

Literature on the Eastern Mediterranean and Black Sea

The following bibliographic list has been obtained by merging the lists of key references provided by each member (or research group) of IASON from their reference area.

- AA.VV. 1988. Studio ecologico dell'area marina di Porto Cesareo. Congedo editore, 138 pp.
- AA.VV. 1990. Studio per la gestione e valorizzazione della Riserva Naturale Marina "Isole Tremiti". *Mare Vivo*, Vol 1, 2 Rapporto analitico.
- Aarsten, J.J., Carozza, van F., Lindner G., 1990. *Acteocina mucronata* (Philippi, 1849), a recent Red Sea immigrant species in the eastern Mediterranean. *Bulletino di Malacologia* 25: 285-288.
- Abdel-Moati, A. R. and Said, M. A., 1987. Hydrographic structure of the Mediterranean shelf waters of the Egyptian coast during 1983–1986. *Thalassographica*, 10/2, 23–29.
- Abolmasova, G. I., G. A. Finenko and Z. A. Romanova, 2002. Energy Requirements of *Mnemiopsis leidyi* and *Beroe ovata* populations in relation to nutrition conditions in Sevastopol Bay. In: *2nd Int. Conf. on “Oceanography of the Eastern Mediterranean and the Black Sea: Similarities and differences of two interconnected basins”*, 14-18 Oct., 2002, Ankara, Turkey, p.146.
- Achituv, Y. 1969. Studies on the reproduction and distribution of *Asterina burtoni* Gray and *A. wega* Perrier (Asteroidea) in the Red Sea and the Eastern Mediterranean. *Isr. J. Zool.* 18: 329-342.
- Achituv, Y., Safriel, U.N. 1980. *Euraphia depressa* (Poli) (Crustacea, Cirripedia), a recent Mediterranean colonizer of the Suez Canal. *Bull. Mar. Sci.* 30(3): 724-728.
- Afanasyev Ya.D., Kostianoy A.G., Zatsepin A.G. and Poulain P.-M., 2002. Analysis of velocity field in the Eastern Black Sea from satellite data during the “Black Sea-99” Experiment. *J. Geophys. Res.* 107, 8.
- Agur, Z., Safriel, U.N. 1981. Why is the Mediterranean more readily colonized than the Red Sea by organisms using the Suez Canal as a passageway? *Oecologia* 49: 359-361.
- Aleem, A.A. 1984. The Suez Canal as a habitat and pathway for marine algae and seagrasses. *Deep-Sea Res.* 31A: 901-918.
- Aleem, A.A. 1984. The recent migration of Indo-Pacific algae from the Red Sea into the Mediterranean. *New Phytol.* 47: 88-94.
- Alexandrov A.I., 1927. The anchovy of the Azov – Black Sea region, its origin and taxonomic designation. *Trudy Kerch. Nauch. Ryb. Stant.* 1:37-93 (in Russian).
- Alhammoud, B., Béranger, K., Mortier, L., and Crépon, M. 2004. A comparison study between a high resolution numerical model results and observations in eastern Mediterranean Sea. In: *Proc., 2nd Int. Conf. on oceanography of the Eastern Mediterranean and Black Sea* (pp. 344–352), Ankara, 14–18 October 2002.
- Alhammoud, B., K. Béranger, L. Mortier, M. Crépon and I. Dekeyser, 2005. Surface circulation of the Levantine Basin: Comparison of model results with observations. *Progress in Oceanography*, in press.
- Al-Hassan L.A.J. and El-Silini O.A., 1999. Check-list of bony fishes collected from the Mediterranean coast of Benghazi, Libya. *Revista de Biología Marina y Oceanografía*, 34: 291-301.
- Alpar B. and Yüce H., 1998. Sea level variations and their interactions between the Black Sea and the Aegean Sea. *Estuarine, Coastal and Shelf Sciences*, 46, 609-619.
- Alvarado Bremer J.R., Viñas J., Mejuto J., Ely B. and Pla C. 2005. Comparative phylogeography of Atlantic bluefin tuna and swordfish: the combined effects of vicariance, secondary contact, introgression, and population expansion on the regional phylogenies of two highly migratory pelagic fishes. *Molecular Phylogenetics and Evolution* 36:169-187

- Alvarez, A., J. Tintoré, G. Holloway, M. Eby and J. M. Beckers, 1994, Topographic forcing of the circulation of LIW in the Western Mediterranean, in: Seasonal and Interannual Variability of the Western Mediterranean Sea, Coastal and Estuarine Studies, Vol. 46, AGU, 361-369.
- Anastasakis, G. C. and D. J. Stanley, 1986. Uppermost sapropel, eastern Mediterranean: Palaeoceanography and stagnation. National Geographic Research, 2, 179-197.
- Anati, D.A., 1984. A dome of cold water in the Levantine Basin. Deep-Sea Research 31, 1251–1257.
- Angelucci, M.G., Pinardi, N. and Castellari, S. 1998. Air-sea fluxes from operational analyses fields: intercomparison between ECMWF and NCEP analyses over the Mediterranean area. Physics and Chemistry of the Earth 23, 569–574.
- Anninsky, B. E., 1994. Organic matter composition of the jelly-fish *Aurelia aurita* and two species of ctenophores from the Black Sea. Biologya Morya 20 (4): 291–295 (in Russian).
- Anninsky, B.E., 1995. Seasonal dynamics of the chemical composition of organic matter in the ctenophore *Mnemiopsis leidyi* A.Agassiz in the Black Sea. Oceanology (Engl. Transl.), 35, 395-399.
- Anninsky, B.E., Romanova, Z.A., Abolmasova, G.I., Gucu, A.C. and Kideys, A.E., 1998. Ecological and physiological state of the ctenophore *Mnemiopsis leidyi* (Agassiz) in the Black Sea in autumn 1996. In: NATO TU-Black Sea Project: Ecosystem Modeling as a Management Tool for the Black Sea, Symposium on Scientific Results, L. Ivanov and T. Oguz (eds.), Kluwer Academic Publishers, 249-262.
- Antoine, D., Morel, A. and Andre, H.M., 1995. Algal pigment distribution and primary production in the eastern Mediterranean as derived from coastal zone color scanner observations. Journal of Geophysical Research 100(C8), 16,193-16,209.
- Arashkevich, E. G., A. V. Drits, A. G. Timonin and V. V Kremenetskiy. Variability of spatial distribution of zooplankton affected by the water dynamics in the northeastern part of the Black Sea. Oceanology, 42, Suppl.1, S79-S94, 2002.
- Arashkevich, E. G., A. V. Drits, E. I. Musaeva, V. I. Gagarin and P. Yu. Sorokin. Mesozooplankton spatial distribution in relation to circulation pattern in the north-eastern part of the Black Sea. *Multi-disciplinary investigations of the north-east part of the Black Sea* (A. Zatsepin and M. Flint - eds.), NAUKA, Moscow, 257-272, 2002a (in Russian).
- Arashkevich, E., A. Drits and A. Timonin, 2002. How Do the Basin - and Mesoscale Circulations Affect the Plankton Distribution in the Black Sea? Proc., 2nd Int. Conf. “Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins”, 14-18 October, 2002, Ankara, Turkey, p.124
- Arashkevitch, E., Svetlichny, L., Gubareva, E., Besiktepe, S., Gucu, A.C. and Kideys, A.E., 1998. Physiological and ecological studies of *Calanus euxinus* (Hulsemann) from the Black Sea with comments on its life cycle. In: NATO TU-Black Sea Project: Ecosystem Modeling as a Management Tool for the Black Sea, Symposium on Scientific Results, L. Ivanov and T. Oguz (eds.), Kluwer Academic Publishers,351-366.
- Armi, L. and D. M. Farmer. 1985, The internal hydraulics of the Strait of Gibraltar and associated sill and narrows, Oceanol. Acta, 8, 37–46.
- Armi, L. and D. M. Farmer. 1988, The flow of Mediterranean water through the Strait of Gibraltar, Prog. Oceanogr., 21, 1 –105.
- Artale, V., Astraldi, M., Buffoni, G. and G. P. Gasparini, 1994. Seasonal variability of gyre-scale circulation in the northern Tyrrhenian Sea. Journal of Geophysical Research, 99, C7, 14127-14137.
- Artale, V., D. Iudicone, R. Santoleri, V. Rupolo, S. Marullo and F. D'Ortenzio, 2002. Role of surface fluxes in ocean general circulation models using satellite sea surface temperature: Validation of and sensitivity to the forcing frequency of the Mediterranean thermohaline circulation, J. Geophys. Res., 107, C8

- Artegiani, A., Bregant, D., Paschini, E., Pinardi, N., Raicich, F. and Russo, A., 1997. The Adriatic Sea general circulation: Part I. Air– sea interaction and water mass structure: Part II. Baroclinic circulation structure. *J. Phys. Oceanogr.* 27, 1492– 1532.
- Assaf, G. and Hecht, A. 1974 Sea straits: a dynamical model. *Deep-Sea Research* 21, 947-958.
- Astraldi, M., Balopoulos, S., Candela, J., Font, J., Gacic, M., Gasparini, G.P., Manca, B., Theocharis, A. and Tintoré J. 1999. The role of straits and channels in understanding the characteristics of Mediterranean circulation. *Progress in Oceanography* 44 (1– 3), 65–108.
- Astraldi, M., Conversano, F., Civitarese, G., Gasparini, G.P., Ribera D' Alcalá, M. and Vetrano, A. 2002. Water mass properties and chemical signatures in the central Mediterranean region. *Journal of Marine Systems* 33–34, 155–177.
- Astraldi, M., G. P. Gasparini, L. Gervasio and E. Salusti. 2001. Dense water dynamics along the Strait of Sicily, *J. Phys. Oceanogr.*, 31, 3457-3475.
- Astraldi, M., Gasparini, G.P., Sparnocchia, S., Moretti, M. and Sansone, E., 1996. The characteristics of the water masses and the water transport in the Sicily Strait at long time scales. In: Briand, F. (Ed.), *Dynamics of Mediterranean Straits and Channels*, Monaco, Vol. 17, pp. 95–113.
- Astraldi, M., Gasparini, G.P., Vetrano, A. and Vignudelli, S., 2002. Hydrographic characteristics and interannual variability of water masses in the central Mediterranean: a sensitivity test for longterm changes in the Mediterranean Sea. *Deep-Sea Res., Part 1, Oceanogr. Res. Pap.* 49, 661–680.
- Aubrey, D., S. Moncheva, E. Demirov, V. Diaconu and A. Dimitrov 1995. Environmental changes in the Western Black Sea related to Anthropogenic and Natural Conditions, *Journal of Marine Systems* 7, 411-425.
- Avian, M., B. Galil, E. Spanier and L. Rottini Sandrini. 1994. *Rhopilema nomadica* (Cnidaria; Scyphozoa; Rhizostomeae): Un caso di migrazione Lessepsiana. *Biol. Mar. Medit.* 1(1): 137-138.
- Avian, M., E. Spanier and B.S. Galil. 1995. The nematocysts of *Rhopilema nomadica* (Scyphozoa: Rhizostomeae) - An immigrant jellyfish in the Eastern Mediterranean. *J. Morph.* 224: 221-231.
- Azov, Y., 1986. Seasonal patterns of phytoplankton productivity and abundance in nearshore oligotrophic waters of the Levant Basin (Mediterranean). *Journal of Plankton Research*, 8(1), 41-53.
- Bahri-Sfar L., Lemaire C. and Hassine O. K. B. 2000. Fragmentation of sea bass populations in the western and eastern Mediterranean as revealed by microsatellite polymorphism. *Proc., Royal Society of London, Series B* 267:929-935
- Bailey, D.M., P.M. Bagley, A.J. Jamieson, M.A. Collins, A. Cromarty, A. Tselepidis and I.G. Pride. 2005. Life in a warm deep sea: routine activity and burst swimming performance of the shrimp *Acanthephyra eximia* in the abyssal Mediterranean. *Mar. Biol.* 146:1199-1206.
- Bailey, D.M., P.M. Bagley, A.J. Jamieson, M.A. Collins and I.G. Priede. 2003. In situ investigation of burst swimming and muscle performance in the deep sea fish *Antimora rostrata*. *J. Exp. Mar. Biol. Ecol.* 286/6: 295-311.
- Bailey, D.M., A.J. Jamieson, P.M. Bagley, M.A. Collins and I.G. Priede. 2002. Measurement of in situ oxygen consumption of deep-sea fish using an autonomous lander vehicle. *Deep-Sea Res. I* 49: 1519-1529
- Baldazzi, A., Bavestrello G., Belloni S., Boero F., Cattaneo R., Pansini M. and Pronzato R., 1984. Valutazione dello stato di alcune praterie di Posidonia del Mar Ligure sottoposte a diverse coondizioni di inquinamento. *Int. Workshop on Posidonia oceanica beds. Porquerolles (France)* 12-15 Octobre 1983. GIS positidonia, Marseille : 73-78.
- Baldazzi, A., Bianchi C.N., Boero F., Cattaneo-Vietti R., Pansini M. and Sarà M., 1989. The suspension-feeder community of a Mediterranean sea cave. In: J.D. Ros (Ed.). *Topics in Marine Biology Sci. Mar.* 53 2: 387-395.

- Balopoulos, E. Th., A. Theocharis, H. Kontoyiannis, S. Varnavas, F. Voutsinou-Taliadouri, A. Iona, A. Souvermezoglou, L. Ignatiades, O. Gotsis-Skretas and A. Pavlidou, 1999. Major advances in the oceanography of the southern Aegean Sea – Cretan Straits system (eastern Mediterranean). *Progress in Oceanography*, 44, 109-130.
- Balopoulos, E. and M. B. Collins. 1999. The Pelagos project, *Prog. Oceanogr.*, 44(4), v-ix..
- Balss, H. 1927. Cambridge Expedition to the Suez Canal, 1924. XIV: Bericht Uber die Crustacea Decapoda (Natantia und Anomura). (Zoological Results of the Cambridge Expedition to the Suez Canal 1924.) *Trans. Zool. Soc. Lond.* 22: 221-230.
- Bange, H. W., S. Rapsomanikis and M. O. Andreae. 1996. The Aegean Sea as a source of atmospheric nitrous oxide and methane. *Marine Chemistry*, 53, 41-49.
- Barale, V., Mcclain, C. and Malanotte-Rizzoli, P. 1986. Space and time variability of the surface color field in the Northern Adriatic Sea. *Journal of Geophysical Research*, 91, 12957–12974.
- Barash, A. and Danin, Z. 1972. The Indo-Pacific species of Mollusca in the Mediterranean and notes on a collection from the Suez Canal. *Isr. J. Zool.* 21: 301-374.
- Barash, A. and Danin, Z. 1986. Further addition to the knowledge of Indo-Pacific Mollusca in the Mediterranean Sea. *Spixiana* 9: 117-141.
- Bargelloni L., Alarcon J.A., Alvarez M.C., Penzo E., Magoulas A, Palma J, and Patarnello T., 2005. The Atlantic-Mediterranean transition: Discordant genetic patterns in two seabream species, *Diplodus puntazzo* (Cetti) and *Diplodus sargus* (L.). *Molecular Phylogenetics and Evolution* (in press)
- Bargelloni L, Alarcon J.A., Alvarez M.C., Penzo E., Magoulas A, Reis C. and Patarnello T., 2003. Discord in the family Sparidae (Teleostei): divergent phylogeographical patterns across the Atlantic-Mediterranean divide. *Journal of Evolutionary Biology* 16:1149-1158
- Barra Caracciolo A. and Rossi L. 1996 Effetto delle ceneri di carbone sulla ripartizione delle risorse di detritivori bentonici in ambiente salmastro. *S.I.T.E. Atti* 17, pp. 443-445.
- Baschek, B., U. Send, J. G. Lafuente, and J. Candela, 2001. Transport estimates in the Strait of Gibraltar with a tidal inverse model, *J. Geophys.Res.*, 106, 31.
- Basturk O., C. Saydam, t. Salihoglu, L. V. Eremeev, S. Konovalov, A. Stoyanov, A. Dimitrov, A. Cociasu, L. Dorogan and M. Altabet., 1994. Vertical variations in the principal chemical properties of the Black Sea in the autumn of 1991. *Marine Chemistry*, 45, 149-165.
- Basturk O., S. Tugrul, S. Konovalov and I. Salihoglu. 1997. Effects of circulation on the spatial distributions of principle chemical properties and unexpected short- and long-term changes in the Black Sea. NATO-ARW Meeting, 15-19 June, 1997, Sevastopol, Ukraine.
- Basusta, N., Erdem, †. and Sarihan, E. 1997. Lessepsian immigrant fish species in Iskenderum Ban. 9. Symp. Fisheries, SÝleyman Demirel University, Egirdir, 1997. pp. 140-151. [In Turkish].
- Bath, H. 1979. *Omobranchus punctatus* (Valenciennes 1836) neu im Suez-Kanal. (Pisces, Blenniidae). *Senckenb. Biol.* 60: 317-319.
- Bavay, A. 1897. Au sujet de passage d'un mollusque de la Mer Rouge dans la Mediterranee. *Bull. Soc. Zool. France* 22: 199.
- Bayoumi, A.R. 1972. Recent biological investigation in the Red Sea along the A.R.E. coasts. I. On some demersal fishes of economic importance from the Red Sea with notes on migration of fish through the Suez Canal. *Bull. Inst. Oceanogr. Fish. Cairo* 2: 157-183.
- Bayraktar, S. 1994. Distribution of phytoplankton ($>55\mu\text{m}$) along the Turkish coast and at the north-western shelf area of the Black Sea. M. Sc. Thesis, METUMst. Mar. Sci. Icel, Turkiye, 172.
- Beckers, J. M., M. L. Gregoire, J. C. J. Nihoul, E. Stanev, J. Staneva and C. Lancelot. 2002. Modelling the Danube-influenced North-western continental shelf of the Black Sea. I: Hydrodynamical processes simulated by 3-D and box models. *Estua. Coast. and Shelf Sci.*, 54, 453-472.

- Becquevort, S. T. Bouvier, C. Lancelot, G. Cauwet, G. Deliat, V.N. Egorov and V.N. Popovichev. 2002. The seasonal modulation of organic matter in the Danube-Black Sea mixing zone. *Estuarine Coastal and Shelf Science*, 54, 3, 337-354.
- Bedulli D., Bianchi C.N., Zurlini G. and Morri C. 1986 Caratterizzazione biocenotica e strutturale del macrobenthos delle coste pugliesi. ENEA, Indagine amb. Sistema marino costiero della Regione Puglia, pp. 227-255
- Beets, C. 1953. Notes on dredging in the Great Bitter Lake of the Suez Canal. *Zool. Meded.* Rijksmus. Nat. Hist. Leiden 32(10): 97-106.
- Behrendt, H. and Schreiber, H. (2004) Point and diffuse nutrient emissions and loads in the transboundary Danube river basin – a modelling approach. *Limnological Reports*, Vol. 35
- Bellan G. 1970. Policheti della crociera abissale della stazione di biologia marina del Salento (nov. 1969) nel Mar Jonio. *Thalassia Salentina* 4: 117-121.
- Bello G., Marano G., and Vaccarella R. 1982 Molluschi di "matte" morta di *Posidonia oceanica* Delile del litorale barese (Basso Adriatico). *Quaderni Ist. Idrobiol. e Acquacolt. "G. Brunelli"*, 2(3): 23-35.
- Belmonte G. and D. Potenza. 2001. Biogeography of the family Acartiidae (Calanoida) in the Ponto-Mediterranean Province. *Hydrobiologia*, 453/454: 171-176.
- Belmonte G. 2002 Biospeleologia nelle grotte sommerse del Canale d'Otranto. SPELAION Convegno della Soc. Speleologica Regionale Pugliese, Castellana Grotte, 6-8 Dicembre 2002, Grotte e Dintorni, 4: 119-128.
- Belmonte G., Bussotti S., Costantini A., Denitto F., Metrangolo M., Muscogiuri L. and Onorato R. 2003 Indagine faunistica sulle grotte sottomarine del capo di Leuca (Mar Ionio-Puglia). *Biologia Marina Mediterranea*, 10, 647-649
- Belmonte G., Costantini A., Denitto F., Della Tommasa L., Miglietta M.P., Onorato R., Poto M. and Vetere M. 1999 Indagini ecologiche sulla grotta delle Corvine Nardò (Le): dati preliminari. *Biologia Marina Mediterranea*, vol.6 fasc.1 1999 pp. 343-346
- Belmonte G., Costantini A., Forti P., Metrangolo M., Onorato R. and Poto M. 2003 Biocostruzioni stalattitiche nelle grotte sommerse del Capo d'Otranto. *Biologia Marina Mediterranea*, 10 (2)
- Belmonte G., Denitto F., Costantini A., Poto M., Onorato R., Della Tommasa L., Miglietta M.P. and Boero F. 1999. Descrizione delle biocenosi marine costiere dell'area di Porto Selvaggio (Nardò, Le) Progetto 4: Monitoraggio ed azioni di salvaguardia e/o recupero di condizioni ambientali e di particolari risorse naturali del territorio ionico. Capo C "Parco marino di Porto Selvaggio, 53pp
- Belmonte G., Fanelli G., Gravili C. and Rubino F. 2000. Composition, distribution and seasonality of zooplankton in the Taranto Sea System (Ionian Sea, Italy). *Biologia Marina Mediterranea*, 8 (1): 352-362.
- Belmonte G., Onorato R., Denitto F., Costantini A., Bussotti S. and Poto M. 2002. Novità esplorative e biologiche nelle grotte sottomarine del Canale d'Otranto Spelaion 2000, 5°incontro Regionale della Speleologia Pugliese, Atti delle giornate 1-3 dicembre 2000 Altamura (Ba). Unionografica Corcelli Editrice-Bari, pp. 173-180
- Belmonte, G., Mazzocchi, M.G., Prusova, I.Yu., and Shadrin, N.V., 1994. *Acartia tonsa* a species new for the Black Sea fauna. *Hydrobiologia*, 292/293, 9-15.
- Belyaeva, N.V. and Zagorodnyaya, Yu.A. 1988. Zooplankton of the Sevastopol Bay in 1981-1983. *Ecologiya Morya* (Marine Ecology) 29, 77-84 (in Russian).
- Bembo D.G., Carvalho G.R., Cingolani N., Arneri E., Gianetti G. and Pitcher T.J. 1996a. Allozymic and morphometric evidence for two stocks of the European anchovy *Engraulis encrasicolus* in Adriatic waters. *Marine Biology* 126:529-538
- Bembo D.G., Carvalho G.R., Cingolani N. and Pitcher T.J. 1996b. Electrophoretic analysis of stock structure in Northern Mediterranean anchovies, *Engraulis encrasicolus*. *ICES Journal of Marine Science* 53:115-128

- Bembo D.G., Carvalho G.R., Snow M., Cingolani N. and Pitcher T.J. 1995. Stock discrimination among European anchovies, *Engraulis encrasicolus*, by means of PCR-amplified mitochondrial DNA analysis. Fishery Bulletin 94:31-40
- Ben-Eliah M.N., Golani D. and Ben-Tuvia A., 1983. On predation on polychaetes (Annelida) by the squirrelfish *Adioryx ruber* (Holocentridae) with a new polychaete record for the Mediterranean coast of Israel. Tethys, 11(1): 15-19.
- Ben-Eliah, M.N. 1972a. A description of *Hydroides steinitzi* n. sp. (Polychaeta: Serpulidae) from the Suez Canal with remarks on the serpulid fauna of the Canal. Israel J. Zool. 21: 77-81.
- Ben-Eliah, M.N. 1972b. Studies on the migration of the Polychaeata through the Suez Canal. 17e Congr. Intern. Zool. Theme No.3: Conséquences biologiques des canaux inter-océans. 8p.
- Ben-Eliah, M.N. 1972c. Polychaeta Errantia of the Suez Canal. Israel J. Zool. 21(3/4): 189-237.
- Ben-Eliah, M.N. 1989. Lessepsian migration in Nereidae (Annelida: Polychaeta): some case histories. pp. 124-134. In: E. Spanier, E. Steinberger, M. Luria (Eds.). "Environ. Quality and Ecosystem Stability." ISEEQS Publications, Jerusalem, Israel, Vol. IV-B.
- Ben-Eliah, M.N. and Payiatas, G. 1999. Searching for Lessepsian migrant Serpulids (Annelida: Polychaeta) on Cyprus - some results of a recent expedition. Israel J. Zool. 45(1): 101-119.
- Benovic, A., 1977. Hydromedusae (Cnidaria) from two stations in the southern Adriatic and Tyrrhenian Seas in the year 1967-1968. Pubbl. Staz. Zool. Napoli 40 1: 1-10.
- Benovic, A., D. Justic and A. Bender. 1987. Enigmatic changes in the hydromedusan fauna of the northern Adriatic Sea. Nature. 326 6113: 597-600.
- Benovic A. and Lucic D. 1996. Comparison of hydromedusae findings in the northern and southern Adriatic Sea Scientia-Marina. Apr 1996; 60 (1) : pp. 129-135.
- Benovic, A. and Lucic D., 2003. How to use biological time series in Mediterranean ecosystem studies: can hydromedusae be indicator species? CIESM Workshop Monographs 22 : 73-76.
- Benovic, A., Lucic D. and Onofri V. 2000. Does change in an Adriatic hydromedusan fauna indicate an early phase of marine ecosystem destruction? Mar. Ecol. 21 3-4: 221-231.
- Benovic, A., Lucic D., Onofri V., Batistic M. and Njire J., 2005. Bathymetric distribution of medusae in the open waters of the middle and south Adriatic Sea during spring 2002. Journal of Plankton Research 27 1: 79-89.
- Ben-Tuvia A., 1953. Mediterranean fishes of Israel. Bull Sea Fisheries Research Station, Haifa, 8: 1-40.
- Ben-Tuvia A., 1976. Occurrence of Red Sea fishes *Herklotichthys punctatus*, *Autisthes puta* and *Rhonciscus stridens* in the eastern Mediterranean. Israel Journal of Zoology, 25: 212-213.
- Ben-Tuvia, A. 1953. New Erythrean fish from the Mediterranean coast of Israel. Nature 172: 464-465.
- Ben-Tuvia, A. 1955. Two Indo-Pacific fishes, *Dasyatis uarnak* and *Upeneus moluccensis*, in the eastern Mediterranean. Nature. 176: 1177-1178.
- Ben-Tuvia, A. 1964. Two siganid fishes of Red Sea origin in the eastern Mediterranean. Bull. Sea Fish Res. Sta., Haifa 37: 3-9.
- Ben-Tuvia, A. 1966. Red Sea fishes recently found in the Mediterranean. Copeia 2: 254-275.
- Ben-Tuvia, A. 1971a. On the occurrence of a Mediterranean serranid fish *Dicentrarchus punctatus* (Bloch) in the Gulf of Suez. Copeia 4: 741-743.
- Ben-Tuvia, A. 1971b. Revised list of the Mediterranean fishes of Israel. Israel J. Zool. 10(1): 1-39.
- Ben-Tuvia, A. 1972. Immigration of fishes through the Suez Canal. 17e Congr. Intern. Zool. No.3. Les conséquences biologiques des canaux inter-océans. 8
- Ben-Tuvia, A. 1973. Man-made changes in the eastern Mediterranean Sea and their effect on the fishery resources. Mar. Biol. 19(3): 197-203.

- Ben-Tuvia, A. 1975a. Comparison of the fish fauna in the Bardawil Lagoon and the Bitter Lakes. Rapp. Comm. int. Mer Médit. 23(3): 125-126.
- Ben-Tuvia, A. 1975b. Mugilid fishes of the Red Sea with a key to the Mediterranean and Red Sea species. Bamidgeh (Bull. Fish Culture in Israel) 27(1): 14-20.
- Ben-Tuvia, A. 1976. Fish collections from the eastern Mediterranean, the Red Sea and inland waters of Israel. Department of Zoology and Zoological Museum, The Hebrew University of Jerusalem. 32 pp.
- Ben-Tuvia, A. 1977. New records of Red Sea immigrants in the eastern Mediterranean. Cybium, 3: 95-102.
- Ben-Tuvia, A. 1978. Immigration of fishes through the Suez Canal. Fish Bull. (US) 76(1): 249-255.
- Ben-Tuvia, A. and Kissil, G.W. 1988. Fishes of the family Mullidae in the Red Sea with a key to the Red Sea and Mediterranean species. Ichthyol. Bull. J.L.B. Smith Institute. Spec. Publ. 5: 1-16.
- Ben-Tuvia, A. 1985. The impact of the Lessepsian (Suez-Canal) fish migration on the Eastern Mediterranean ecosystem. Pp. 367-375. In: Moraitou-Apostolopaulo, M., Kiortsis, V. (Eds.). Mediterranean Marine ecosystems.
- Béranger, K., L. Mortier and M. Crépon. 2005. Seasonal variability of water transport through the Straits of Gibraltar, Sicily and Corsica, derived from a high-resolution model of the Mediterranean circulation. Progress in Oceanography, in press.
- Berland B.R., Bonin D.J. and Maestrini S.Y. 1980. Azote ou phosphore? Considerations sur le "paradoxe nutritionelle" de la mer Méditerranée. Oceanol. Acta 3: 135-142.
- Berman, T., Azov, Y. and Townsand, D.W., 1984a. Understanding oligotrophic oceans: Can the eastern Mediterranean be a useful model? In: Holm-hansen, O., Bolis L., Gilles, R. (Eds), Marine phytoplankton and productivity, Lecture notes on coastal and estuarine studies 8, Springer Verlag, pp. 101-111.
- Berman, T., Townsand, D.W., El-Sayed, S.Z., Trees, C.C. and Azov, Y., 1984b. Optical transparency, chlorophyll and primary productivity in the Eastern Mediterranean near the Israeli coast. Oceanologica Acta 7 (3), 367-372.
- Berseneva G.P. and N.S. Gevorgiz., 2002. Formation and variability of hydrobiological parameters of phytoplankton of the Sevastopol Bay (on materials 2000-2001), Ankara Conf. 15-17th Oct., 2002, Poster-Chem.Oceanogr., pp 399-400.
- Bertin, D. 1943. Les clupeiformes du Canal de Suez, comparés à ceux de la Mer Rouge et de la Méditerranée. Bull. Mus. Hist. Nat. Paris 2. Ser. 15(6): 386-391.
- Besiktepe, S. 1998. Studies on some ecological aspects of copepods and chaetognaths in the southern Black Sea, with particular reference to *Calanus euxinus*. Ph.D. Thesis, Middle East Technical University, Turkey, 201 pp.
- Besiktepe, S. 2003. Density currents in the two-layer flow: an example of Dardanelles outflow Courants de densité dans un flux à deux couches: l'exemple du courant de sortie des Dardanelles. Oceanologica Acta 26, 243-253.
- Besiktepe, S., E. Ozsoy, and U. Unluata. 1993. Filling the Marmara Sea by the Dardanelles lower layer inflow, Deep-Sea Res. I, 40, 1815-1838.
- Besiktepe, S., Kideys, A.E. and Unsal, M. 1997. In situ grazing rate and diel vertical migration of female *Calanus euxinus* in the Black Sea. Hydrobiologia 363, 323-332.
- Besiktepe, S., Sur, H. I., Özsoy, E., Latif, M. A., Oguz, T., and Ü. Ünlüata. 1994. The Circulation and Hydrography of the Marmara Sea, Prog. Oceanogr., 34, 285-334.
- Bethoux, J. P., B. Gentili, P. Morin, E. Nicolas, C. Pierre, and D. Ruiz-Pino. 1999. The Mediterranean Sea: a miniature ocean for climatic and environmental studies and a key for the climatic functioning of the North Atlantic, Prog. Oceanogr., 44, 131-146.
- Bethoux, J. P., Durieu de Madron, X., Nyffeler, F. and Tailliez D. 2002. Deep water in the western Mediterranean: peculiar 1999 and 2000 characteristics, shelf formation hypothesis,

- variability since 1970 and geochemical inferences. *Journal of Marine Systems* 33– 34, pp. 117– 131.
- Bethoux, J. P. and Gentili, B. 1996. The Mediterranean Sea, coastal and deep-sea signatures of climatic and environmental changes. *Journal of Marine Systems*, 7, 383–394.
- Bethoux, J. P., Gentili, B., Raunet, J. and Taillez, D. 1990. Warming trend in the Western Mediterranean Deep Water. *Nature*, 347, 660-662.
- Béthoux, J. P., Morin, P. and Ruiz-Pino, D. 2002. Temporal trends in nutrient ratios: chemical evidence of Mediterranean ecosystem changes driven by human activity. *Deep-Sea Research II* 49, 2007-2016.
- Bethoux, J.P. 1979. Budgets of the Mediterranean Sea. Their dependence on the local climate and on the characteristics of the Atlantic waters. *Oceanologica Acta* 2, 157–163.
- Bethoux, J.P. 1980. Mean water fluxes across sections in the Mediterranean Sea, evaluated on the basis of water and salt budgets and of observed salinities. *Oceanologica Acta* 3, 79–88.
- Bethoux, J.P. 1989. Oxygen consumption, new production, vertical advection and environmental evolution in the Mediterranean Sea. *Deep-Sea Res.* 36, 769– 781.
- Bethoux, J.P., B. Gentili and D. Tailliez. 1998. Warming and freshwater budget change in the Mediterranean since the 1940s, their possible relation to the greenhouse effect. *Geophys. Res. Lett.*, 25, 1023-1026.
- Bethoux, J.P. and Gentili, B., 1999. Functioning of the Mediterranean Sea: past and present changes related to freshwater input and climate changes. *Journal of Marine Systems*, 20, 33– 47.
- Bethoux, J.P., Morin, P., Chaumery, C., Connan, O., Gentili, B. and Ruiz-Pino, D., 1998. Nutrients in the Mediterranean Sea, mass balance and statistical analysis of concentrations with respect to environmental change. *Mar. Chem.* 63, 155– 169.
- Bethoux, J.P., Morin, P., Madec, C. and Gentili, B., 1992. Phosphorus and nitrogen behaviour in Mediterranean Sea. *Deep-Sea Res.* 39, 1641– 1654.
- Bethoux, J.P. and Tailliez, D., 1994. Deep-water in the western Mediterranean Sea, yearly climatic signature and enigmatic spreading. In: Malanotte-Rizzoli, P., Robinson, A.R. (Eds.), *Ocean Processes in Climate Dynamics: Global and Mediterranean Examples*. Kluwer Academic Publishing, Dordrecht, pp. 355–369.
- Bianchi C. N., Bedulli D., Morri C., Occhipinti and Ambrogi A. 1989. L'herbier de posidonies: écosystème ou carrefour ecoéthologique? International Workshop on *Posidonia oceanica* Beds, Boudouresque C. F., Meinesz A., Fresi E. and Gravez V. (Eds.), G.I.S. Posidonie publ., Fr. 2, pp. 257-272.
- Bianchi C. N., Boero F., Forti S. and Morri C. 1994. La Palude del Capitano: un ambiente salmastro costiero della Penisola Salentina di interesse idrobiologico e speleologico. Istituto Italiano di Speleologia, Memoria 6, s. II, pp. 99-106.
- Bignami, F., S. Marullo, R. Santoleri, and M. E. Schiano, 1995. Longwave radiation budget in the Mediterranean Sea. *J. Geophys. Res.*, 100(C2), 2501 - 2514.
- Bignami, F., Salusti, E. and Schiarini, S., 1990. Observations on a bottom vein of dense water in the Southern Adriatic and Ionian Seas. *J. Geophys. Res.* 95, 7249–7259.
- Bilecenoglu M. and Taskavak E., 1999. Some observations on the habitat of the Red Sea immigrant Sweeper, *Pempheris vanicolensis*, on the Mediterranean coast of Turkey. *Zoology in the Middle East*, 17: 67-70.
- Billard, A. 1926. IV. Rapport sur les Hydroïdes. Cambridge Expedition to the Suez Canal, 1924. *Trans. Zool. Soc. London*, 22: 85-104.
- Blatov, A., S., A. N. Kosarev, and E. V. Stanev. 1987. Numerical experiments on retrieval of hydrological fields in the deep Black Sea. *Meteorologiya i Hidrologiya*, 7, 87-94. (in Russian).
- Bodeanu, N., L. Boichenko and L. Popa., 2002. Evolutions of phytoplankton and algal blooms from the Romanian area of the Black Sea at the limit between the XXth and XXIth

- Centuries., 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey, 348.
- Bodeanu, N., S. Moncheva, G. Ruta and L. Popa, 1998 Cercetari Marine, I.R.C.M., 31, 37-55.
- Boero, F., 1981a. Systematics and ecology of the hydroid population of two *Posidonia oceanica* meadows. Pubbl. Staz. zool. Napoli I, Mar. Ecol. 2 3: 181-197.
- Boero, F., 1981b. Osservazioni ecologiche sugli idroidi della fascia a mitili della Riviera Ligure di Levante. Cah. Biol. mar. 22 1: 107-117.
- Boero, F., 1982. The benthic populations of the submarine reserve of Monaco. 2: Hydroids. Journée étud. aspects scient. récifs artif. et maricult. suspendue, Cannes, 7 déc. 1982.
- Commission Internationale pour l'Exploration scientifique de la Mer Méditerranée : 85-86.
- Boero, F., 1984. The ecology of marine hydroids and effects of environmental factors: a review. Pubbl. Staz. zool. Napoli I, Mar. Ecol. 5 2: 93-118.
- Boero, F., 1985. Hydroid zonation along a marine cave of the Penisola Sorrentina (Gulf of Naples). Rapp. P.-v. Réun. Commn int. Explor. scient. Mer Méditerr. 29 5: 135-136.
- Boero, F., 1987. Evolutionary implications of habitat selection in the hydroids of *Posidonia oceanica* meadows. In: J. Bouillon, F. Boero, F. Cicogna and P.F.S. Cornelius, eds, Modern trends in the Systematics, Ecology and Evolution of Hydroids and Hydromedusae: 251-256.
- Boero, F., 1991. Contribution to the understanding of blooms in the marine environment. Proc., 2nd Workshop on Jellyfish in the Mediterranean Sea. MAP Tech. Rep. Ser. 47 : 72-76.
- Boero F. 1994a. Desertificazione delle coste rocciose del Salento causata dalla pesca del dattero di mare. Ecologia Salento, 4° Corso, Salento Mare, Lecce 1994, pp. 65-75.
- Boero, F., 1994b. Fluctuations and variations in coastal marine environments. Mar. Ecol. 15 1: 3-25.
- Boero, F., 1996. Episodic events: their relevance in ecology and evolution. P.S.Z.N.I.: Mar. Ecol. 17 : 237-250.
- Boero, F., 1999. Community ecology: a life cycle perspective. In: A. Farina (Ed.). Perspectives in Ecology, Bakyus, Leiden : 335-342.
- Boero, F., 2002a. Gelatinous zooplankton - here today and gone tomorrow, but ignored at our peril. Ocean Challenge 12 1: 24-27.
- Boero, F., 2002b. Ship-driven biological invasions in the Mediterranean Sea. CIESM Workshop Monographs 20 : 87-91.
- Boero, F., 2003. State of knowledge of marine and coastal biodiversity in the Mediterranean Sea. UNEP, SPA-RAC: 29 pp.
- Boero, F., A. Balduzzi, G. Bavestrello, B. Caffa and R. Cattaneo Vietti, 1986. Population dynamics of *Eudendrium glomeratum* (Cnidaria: Anthomedusae) on the Portofino promontory (Ligurian Sea). Mar. Biol., Berl. 92 1: 81-85.
- Boero, F., Belmonte G., Fanelli G., Piraino S. and Rubino F., 1996. The continuity of living matter and the discontinuities of its constituents: do plankton and benthos really exist? Trends Ecol. Evol. 11 4: 177-180.
- Boero, F., Belmonte G., Bussotti S., Fanelli G., Fraschetti S., Giangrande A., Gravii C., Guidetti P., Pati A., Piraino S., Rubino F., Saracino O.D., Schmich J., Terlizzi A. and Geraci S., 2004. From biodiversity and ecosystem functioning to the roots of ecological complexity. Ecological complexity 1 : 101-109.
- Boero, F. and J. Bouillon, 1993. Zoogeography and life cycle patterns of Mediterranean hydromedusae (Cnidaria). Biol. J. Linn. Soc. 48 3: 239-266.
- Boero, F. and J. Bouillon, 1994. Ecological and evolutionary implications of medusozoan (mainly Hydromedusae) life cycles. UNEP/FAO: MAP technical Reports Series No. 80: 1-24.

- Boero, F., Bouillon J. and Gravili C., 2000. A survey of *Zanclea*, *Halocoryne* and *Zanclella* (Cnidaria, Hydrozoa, Anthomedusae, Zancleidae) with description of new species. Ital. J. Zool. 67 1: 93-124.
- Boero, F., Bouillon J., Gravili C. and Piraino S., 2003. Who cares about the Hydrozoa of the Mediterranean Sea? an essay on the zoogeography of inconspicuous groups. Biogeographia 24 : 101-113.
- Boero, F., J. Bouillon and S. Kubota, 1997. The medusae of some species of *Hebella* Allman, 1888, and *Anthohebella* gen. nov. (Cnidaria, Hydrozoa, Lafoeidae), with a world synopsis of species. Zool. Verh. Leiden 310 : 1-53.
- Boero, F. and Briand F., 2001. Executive summary. In: gelatinous Zooplankton outbreaks: theory and practice. CIESM Workshop Series 14 : 7-22.
- Boero F., Bussotti S, D'Ambrosio P., Fraschetti S., Guidetti P. and Terlizzi A. in press. Biodiversità ed aree marine protette. Biologia Marina Mediterranea
- Boero, F., L. Chessa, C. Chimenz and E. Fresi, 1985. The zonation of epiphytic hydroids on the leaves of some *Posidonia oceanica* (L.) Delile beds in the central Mediterranean. Pubbl. Staz. zool. Napoli I, Mar. Ecol. 6 1: 27-33.
- Boero F., Fanelli G. and Geraci S. 1993 Desertificazione e ricolonizzazione in ambiente costiero: un modello di sviluppo di biocenosi. Mem. Soc. Tic. Sci. Nat., 4, pp. 219-228.
- Boero F., Fanelli G., Geraci S., Giangrande A. and Gravili C., Imperatrice M., Piccinni M. R., Piraino S., Saracino O. D., Tucci F. 1990 Impact of *Lithophaga lithophaga* fisheries along the Apulian coast (Ionian and Adriatic sea). 25th European Marina Biology Symposium (abstract).
- Boero, F. and E. Fresi, 1986. Zonation and evolution of a rocky bottom hydroid community. Pubbl. Staz. zool. Napoli I, Mar. Ecol. 7 2: 123-150.
- Boero F., Gravili C., Denitto F. and Miglietta M.P. 1998 The rediscovery of *Codonorchis octaedrus* (Hydroidomedusae, Anthomedusae, Pandidae), with an update of the Mediterranean hydroidomedusan biodiversity. Oceanographic literature Review, 45, issue 8, August, 1998, pp. 1395
- Bologa A. S. 1985/1986. Planktonic primary productivity of the Black Sea: A review, Thalassia Jugoslavica, 21/22 (1/2), 1-22.
- Bologa A. S. 2002. Ecological changes in the north-western shelf since 1999. II Int. Conference "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey
- Bologa A. S., H. V. Skolka and P. T. Frangopol. 1984. Annual cycle of planktonic primary productivity off the Romanian Black Sea coast. Marine Ecology - Progr. Ser., 19, 25-32.
- Bologa, A.S., Bodeanu, N., Petran, A., Tiganus, V., Zaitsev and Yu.P., 1995. Major modifications of the Black Sea benthic and planktonic biota in the last three decades., Bull.Inst. Oceanogr.,
- Bombace G., Cinelli F., Colantoni P., Froglio C., and Gallignani P. 1975 Notes on geology and biology of the Manfredonia Gulf (South Adriatic). Rapp. Comm. Int. Mer Medit., 23 (6): pp.47-48.
- Bonin, D.J., Bonin, M.C. and Berman, T. 1989. Mise en evidence experimentale des facteurs nutritifs limitants de la production du microplancton et de l'ultraplancton dans une eau cotiere de la Mediterranee orientale. Aquatic Sciences 51, 129-152.
- Book, J.W., H.T. Perkins, L. Cavaleri, J.D. Doyle and J.D. Pullen. 2005. ADCP observations of the western Adriatic slope current during winter of 2001. Progress in Oceanography, in press.
- Borsa P. 2002. Allozyme, mitochondrial-DNA, and morphometric variability indicate cryptic species of anchovy (*Engraulis encrasicolus*). Biological Journal of the Linnean Society 75:261-269

- Borsa P., Blanquer A. and Berrebi P. 1997. Genetic structure of the flounders *Platichthys flesus* and *P. stellatus* at different geographic scales. *Marine Biology* 129:233-246.
- Borsa P., Collet A. and Durand J-D. 2004. Nuclear-DNA markers confirm the presence of two anchovy species in the Mediterranean. *C.R. Biologies* 327: 1113-1123
- Bosc, E, Bricaud, A. and Antoine, D. 2004. Seasonal and interannual variability in algal biomass and primary production in the Mediterranean Sea, as derived from 4 years of SeaWiFS observations. *Global Biogeochemical Cycles* 18, GB1005.
- Boscolo, R. and H. Bryden, 2001: Causes of long-term changes in the Aegean Sea deep water. *Oceanologica Acta*, 24, 6, 519-527.
- Bouché, V., 2003: About process times in some deepwater formation events in the Mediterranean Sea. *Journal of Marine Systems*, 38, 305– 321.
- Boudouresque C.F. 1996. The Red Sea-Mediterranean link : unwanted effects of canals. Proc., Norway-UN Conference on Alien Species, Sandlund O.T., Schei P.J., Viken A. edit., Norw. Min. Environment publ.: 107-115.
- Boudouresque, C.F. 1999. The Red Sea - Mediterranean link: unwanted effects of canals. pp. 213-228, In: Sandlund, O.T., Schei, P.J., Viken, A. (Eds.) "Invasive species and biodiversity management". Dordrecht/ Boston/ London: Kluwer Academic Publishers. XII, 431pp. (ISBN 0-412-84080-4).
- Bougis, P. and Ruivo, M. 1954. Sur une descente des eaux superficielles en profondeur (cascading) dans le sud du golfe du Lion. *Bull. Inf. COEC* 6, 147–154. Saint Este've, France, pp. 141– 142.
- Bouillon, J., Medel M.D., Pagès F., Gili J.-M., Boero F. and Gravili C., 2004. Fauna of the Mediterranean Hydrozoa. *Sci. Mar.* 68 Suppl. 2: 1-449.
- Boukthir M. and Barnier B. 2000. Seasonal and inter-annual variations in the surface freshwater flux in the Mediterranean Sea from the ECMWF re-analysis project. *J. Mar. Sys.*, 24, 343-354.
- Brandt, P., W. Alpers, and J. O. Backhaus 1996, Study of the generation and propagation of internal waves in the Strait of Gibraltar using a numerical model and synthetic aperture radar images of the European ERS 1 satellite, *J. Geophys. Res.*, 101, 14,237– 14,252.
- Brankart, J. M., and N. Pinardi. 2001. Abrupt cooling of the Mediterranean Levantine Intermediate water at the beginning of the 1980s: Observational evidence and model simulations, *J. Phys. Oceanogr.*, 31, 2307-2320.
- Brankart, J. M. and Brasseur, P. 1998. The general circulation in the Mediterranean Sea: a climatological approach. *Journal of Marine Systems*, 18, 41–70.
- Brasseur, P. 1995. Free data offered to researchers studying the Mediterranean. *EOS Transactions, American Geophysical Union*, 76, 37, 363.
- Brasseur, P., Beckers, J.M., Brankart, J.M. and Schoenauen, R. 1996. Seasonal temperature and salinity fields in the Mediterranean Sea: climatological analyses of a historical data set. *Deep Sea Res.*, 43, 2, 159–192.
- Bray, N. A., J. Ochoa, and T. H. Kinder. 1995. The role of the interface in exchange through the Strait of Gibraltar. *J. Geophys. Res.* 100: 10,755-10,776.
- Brenner S., Rosentraub, Z., Bishop, J. and Krom, M. 1991. The mixed layer/thermocline cycle of a persistent warm core eddy in the eastern Mediterranean. *Dynamics of Atmospheres and Oceans* 15, 457-476.
- Brenner, S. 1989. Structure and evolution of warm core eddies in the eastern Mediterranean Levantine Basin. *Journal of Geophysical Research*, 94, 12593–12602.
- Brenner, S. 1993. Long-term evolution and dynamics of a persistent warm core eddy in the Eastern Mediterranean Sea. *Deep-Sea Research*, 40, 1193–1206.
- Broch, H. 1927. Cambridge Expedition to the Suez Canal, 1924. VII. Report on the Crustacea Cirripedia. *Trans. Zool. Soc. Lond.* 22: 133-138.

- Browne, E.T. 1926. V. Report on the Medusae. Cambridge Expedition to the Suez Canal. Trans. Zool. Soc. London 22: 105-115.
- Bruce, J. G. and Charnock, H. 1965. Studies in winter sinking of cold water in the Aegean Sea. Rapport Comm. Int. Mer Medit., 18, 773-778.
- Bruno, M., R. Man˜anes, J. J. Alonso, A. Izquierdo, L. Tejedor, and B. Kagan 2000, Vertical structure of the semidiurnal tidal currents at Camarinal Sill, the Strait of Gibraltar, Oceanol. Acta, 23, 15–24.
- Bruun, F.A. 1935. *Parexocoetus*, a Red Sea flying fish in the Mediterranean. Nature 136: 553.
- Bryden, H. L., Candela, J. and Kinder, T.H. 1994. Exchange through the Strait of Gibraltar. Progress in Oceanography 33, 201–248.
- Bryden, H. L., and H. M. Stommel. 1984. Limiting processes that determine basic features of the circulation in the Mediterranean Sea, Oceanol. Acta, 7, 289–296.
- Bryden, H. L., and T. H. Kinder. 1988. The Gibraltar Experiment: A plan for dynamic and kinematic investigations of strait mixing, exchange and turbulence, Oceanol. Acta, 9, 29–40.
- Bryden, H.L. and Kinder, T.H. 1991. Steady two-layer exchange through the Strait of Gibraltar. Deep-Sea Research 38, S445–S463, Suppl. 1.
- Buecher, E. 2001. Erratic fluctuations in abundance of medusoid and ctenophore populations in two systems, Ligurian Sea and Bengula ecosystem: some examples. *CIESM Workshop Series* “Gelatinous zooplankton outburst: theory and practice”, Naples, Italy, 29 August-1st September n.14, pp. 63-66.
- Buia M.C., Petocelli A. and Saracino O.D 1998. *Caulerpa racemosa* spread in the mediterranean sea: first record in the gulf of Taranto. Biologia Marina Mediterranea, vol.5 fasc.1 1998 parte 2 pp. 527-529
- Buljan, M. and Zore-Armanda, M. 1976. Oceanographical properties of the Adriatic Sea. Oceanogr. Mar. Biol., 14, 11–98.
- Bunker, A. F., H. Charnock and R. A. Goldsmith. 1982. A note on the heat balance of the Mediterranean and Red Seas, J. Mar. Res., 40, 73–84.
- Bunker, A. 1972. Wintertime interaction of the atmosphere with the Mediterranean Sea. Journal of Physical Oceanography 2, 226–238.
- Buongiorno Nardelli, B. and Salusti, E. 2000. On dense water formation criteria and their application to the Mediterranean Sea. Deep-Sea Research I, 47, 193-221
- Burton, M. 1926. Cambridge Expedition to the Suez Canal, 1924. III. Report on the sponges. Trans. Zool. Soc. Lond. 22: 71-83.
- Bussotti S., Belmonte G., Fraschetti S., Terlizzi A., D'Ambrosio P., Guidetti P. and Boero F. Stampa Submarine caves along the Otranto Channel (Ionian Sea – SE Italy): priority habitats for conservation purposes. Biologia Marina Mediterranea.
- Bussotti S., Belmonte G., Fraschetti S., Terlizzi A., Metrangolo M., Denitto F., Muscogiuri L. and Boero F. 2002. Spatial distribution patterns of sessile benthos in shallow marine caves of southern Apulia (SE Italy) Ambienti estremi ed aree di transizione. III Convegno Nazionale delle Scienze del Mare. CoNISMa, Bari, 27 - 29 novembre 2002
- Bussotti S., Denitto F., Guidetti P. and Belmonte G. 2002. Fish assemblages in shallow marine caves of the Salento Peninsula (Southern Apulia, SE Italy). Marine Ecology, 23, Supplement 1 (2002), pp.11-20
- Bussotti S., Denitto F., Metrangolo M., Muscogiuri L., Belmonte G. and Boero F. 2001. Distribuzione spaziali di comunità sessili di fondo duro in tre grotte marine della Penisola Salentina (Mar Ionio Puglia Meridionale). 62° Congresso Nazionale dell'Unione Zoologica Italiana, UZI, Sanremo (Im), 79pp (Abstract)
- Bussotti S. and Guidetti P. in press. Distribution patterns of the golden goby, *Gobius auratus*, in Mediterranean sublittoral rocky cliffs. Italian Journal of Zoology.

- Bussotti S., Guidetti P. and Belmonte G. 2003. Distribution patterns of the cardinal fish, *Apogon imberbis*, in shallow marine caves in southern Apulia (SE Italy). Italian Journal of Zoology, 70, 153-157.
- Buzzurro, G. and Greppi, E. 1996. The Lessepsian molluscs of Tasucu (South East Turkey). La Conchiglia 279 Suppl.: 3-22.
- Cabanes, C., A. Cazenave and C. Le Provost, 2001. Sea level rise during past 40 years determined from satellite and in situ observations. Science, 294, 840-842.
- Calman, W.T. 1927a. XII. Report on the crustacea decapoda. Part 2 (11): (Brachyura). Cambridge Expedition to the Suez Canal, 1924. Trans. Zool. Soc. London 22: 211-219.
- Calman, W.T. 1927b. Cambridge Expedition to the Suez Canal 1924. XXVII. Report on the Phyllocarida, Cumacea, and Stomatopoda. Trans. Zool. Soc. Lond. 22: 399-401.
- Calman, W.T. 1927c. Cambridge Expedition to the Suez Canal, 1924. XXVIII. Report on the Pycnogonida. Trans. Zool. Soc. Lond. 22: 403-410.
- Candela, J. 1991. The Gibraltar Strait and its role in the dynamics of the Mediterranean Sea, Dyn. Atmos. Oceans, 15, 267-299.
- Candela, J., C. D. Winant, and H. L. Bryden. 1989. Meteorologically forced subinertial flows through the Strait of Gibraltar, J. Geophys. Res., 94, 12,667– 12,679.
- Candela, J., C. Winant, and A. Ruiz. 1990. Tides in the Strait of Gibraltar, J. Geophys. Res., 95, 7313–7335.
- Cardelluccio N., Annichiarico C., Leone G., Marra C., Paterno P., Piraino S. and Ragone P. 1991. I mari di Taranto: problematiche di impatto ambientale. S.I.T.E. Atti 12, pp. 769-775.
- Cardelluccio N., Marra C. and Ragone P. 1995. Contaminazione da stagno tributilossido in mitili (*Mytilus galloprovincialis*) allevati nell'area costiera di Taranto. Biologia Marina Mediterranea, 2(2), pp. 113-117.
- Cardin, V., M. Gacic, K. Nittis, V Kovacevic, and L. Perini. 2003. Sub-inertial variability in the Cretan Sea from M3A buoy. Annales Geophysicae, 21(1), 89–102.
- Caricchia A. M., Chiavarini S., Cremisini C., Morabito R. and Scerbo R., 1991. Organotin compounds in marine mussels collected from Italian coasts. Analytical Sciences, Vol. 7, Suppl., pp. 1193-1196
- Carlgren, O. 1927. XXXI. Report on the Actiniaria and Ceriantharia. Cambridge Expedition to the Suez Canal, 1924. Trans . Zool. Soc. London 22: 443-445.
- Carlsson J., McDowell J.R., Diaz-Jaimes P., Carlsson J.E.L., Boles S.B., Gold J.R. and Graves J.E. 2004. Microsatellite and mitochondrial DNA analyses of Atlantic bluefin tuna (*Thunnus thynnus thynnus*) population structure in the Mediterranean Sea. Molecular Ecology 13:3345-3356
- Caroppo C., Congestri R. and Bruno M. 2001. Dynamics of *Dinophysis sensu lato species* (Dinophyceae) in a coastal Mediterranean environment (Adriatic Sea). Continental Shelf Research 21, 1839-1854.
- Casavola N., De Martino L. and Martino G. 1986. Caratteristiche talassografiche del basso Adriatico. Nova Thalassia, 8, Suppl. 3, pp. 655-656.
- Casford, J.S.L., Abu-Zied, R., Rohling, E.J., Cooke, S., Boessenkool, K.P., Brinkhuis, H., De Vries, C., Wefer, G., Geraga, M., Papatheodorou, G., Croudace, I., Thomson, J. and Lykousis, V. 2001. Mediterranean climate variability during the Holocene. Mediterranean Marine Science 2/1, 45-55.
- Castellari, S., Pinardi, N. and Leaman, K. 2000. Simulation of water mass formation processes in the Mediterranean Sea: influence of the time frequency of atmospheric forcing. J. Geophys. Res. 105, 24157–24181.
- Castelli A. 1979. Comunità macrobentoniche delle sabbie mediolitorali della costa ionica salentina. Atti Soc. Nat. Mat. di Modena, 110, pp. 61-67.

- Castelli A., Curini Galletti M., Lardicci C., Giangrande A. and Cognetti-Variale A.M. 1988. Comunità zoobentoniche In: Studio ecologico dell'area marina di Porto Cesareo (Lecce). Congedo Editore Galatina: 72-86
- Cazenave A., C. Cabanes, K. Dominh and S. Mangiarotti. 2001. Recent sea level changes in the Mediterranean Sea revealed by TOPEX/POSEIDON satellite altimetry. *Geophys. Res. Lett.*, 28(8), 1607-1610,
- Cecere E. 1990. Sulla presenza nel Golfo di Taranto di una specie nuova per il Mediterraneo: *Soliera filiformis* (Kutzing) Gabrielson (Rhodophyta, Gigartinales) *Oebalia*, vol 16 pp. 629-631
- Cecere E. Cormaci M. Furnari G. Petrocelli A. Saracino O.D and Serio D. 1996. Benthic algal flora of Cheradi Islands (Gulf of Taranto, Mediterranean Sea). *Nova Hedwigia*, vol 62 pp. 191-214
- Cecere E., Cormaci M. and Furnari G. 1991. The marine algae of Mar Piccolo, Taranto (Southern Italy): a re-assessment. *Bot.Mar.* 34, 3, pp. 221-227.
- Cecere E., Cormaci M., Furnari G., Tursi A. and Caciorgna O. 1991. Fouling communities in Mar Piccolo di Taranto (Ionian Sea-southern Italy): vegetal populations in midlittoral level and infralittoral fringe. *Boll. Acc. Gioenia Sc. Nat., Catania* 24 (337): pp. 21-38
- Cecere E. and Matarrese A. 1983. Settlement periods of Barnacles in the Mar Piccolo of Taranto (Southern Italy) from 1972 to 1982. *Oebalia*, Vol. IX, N.S., pp. 105-117.
- Cecere E., Petrocelli A., Saracino O. D. and Caciorgna O. 1989. Il fitobenthos del Mar Piccolo di Taranto: 1920-1987. *Nova Thalassia*, 10, suppl. 1, pp. 579-580.
- Chabanaud, P. 1933b. Sur divers poissons de la Mer Rouge et du Canal de Suez. Description de deux espèces nouvelles. *Bull. Inst. Océanogr. Monaco* 30(627): 1-12.
- Chabanaud, P. 1933a. Contribution à l'étude de la faune ichthyologique du Canal de Suez. *Bull. Soc. Zool. France* 58: 287-292.
- Charnock, H., 1989. Temperature and salinity changes in the deep water of the Western Mediterranean Basin. 3rd POEM Scientific Workshop, Harvard, Cambridge, USA.
- Chashchin A,K, 1996. The Black Sea populations of anchovy. *Sci Mar* 60 (suppl 2): 219-225
- Chasovnikov, V. K., E. V. Yakushev, and Yu. F. Lukashev. 2002. On the influence of eddy dynamics on the hydrochemical structure of the north-eastern part of the Black Sea // *Multi-disciplinary investigations of the north-east part of the Black Sea* (A. Zatsepin and M. Flint - eds.), NAUKA, Moscow, 151–161, (in Russian).
- Cherbonnier, G. 1986. Holothuries de Méditerranée et du Nord de la Mer Rouge. *Bull. Muséum Nat. d'Histoire naturelle*, Sér 4, 8: 43-46. [In French].
- Chiaudani G. and Premazzi G. 1995. Recent technical and scientific initiatives for the management of the Adriatic Sea problems Water-Science-and-Technology. 1995; 32 (9-10) : pp. 357-363.
- Chieppa M. and Tursi A. 1980. Premiers résultats d'un essai d'analyse multivariée sur les peuplements benthiques de le Mar Grande de Taranto. Actes de Journée de Travail sur l'Analyse des Données, INRIA, pp. 195-208.
- Chimenz C., Cottarelli V. and Tosti M. 1993. Taxonomical and ecological observations on the Pycnogonida of the Apulian coast (southern Italy). *Boll. Zool.*, 60: pp. 339-347
- Chimenz C. and Faraglia E. 1993. Contributo allo studio dei Briozi Pugliesi. *Biologia Marina*, suppl. al Notiziario S.I.B.M., 1, pp. 293.
- Chimenz C. and Tosti M. 1989. Popolamento a Picnogonidi del litorale di Brindisi. *Nova Thalassia*, 10, suppl. 1, pp. 581-583.
- Chimenz C., Tosti M. and Cottarelli V. 1993. Taxonomical and ecological observation on Pycnogonida from Apulian coasts (southern Italy). *Boll. Zool.*, 60, pp. 339-347.
- Christaki, U., Giannakourou, A., Van Wambeke, F. and Grégori, G., 2001. Nanoflagellate predation on auto- and heterotrophic picoplankton in the oligotrophic Mediterranean Sea. *Journal of Plankton Research* 23, 1297-1310.

- Christaki, U., Van Wambeke, F. and Dolan, J.R., 1999. Nanoflagellates (mixotrophs, heterotrophs and autotrophs) in the oligotrophic eastern Mediterranean: standing stocks, bacterivory and relationships with bacterial production. *Marine Ecology Progress Series* 181, 297-307.
- Church J.A., J.M. Gregory, P. Huybrechts, M. Kuhn, K. Lambeck, M.T. Nhuan, D. Qin and P.L. Woodworth, 2001. Changes in sea level. Chapter 11 of the Intergovernmental Panel on Climate Change Third Assessment Report, Cambridge University Press.
- Churilova T., G. Berseneva, L. Georgieva, and V. Suslin, 2002. Variations in light absorption by suspended particles in the Black Sea., 2nd Int. Conf., "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey, p. 249.
- CIESM, 2000. The Eastern Mediterranean climatic transient, its origin, evolution and impact on the ecosystem. Trieste, 29 March – 1 April 2000, CIESM workshop series no 10, Monaco.
- CIESM, 2002. Tracking long-term hydrological change in the Mediterranean Sea. In: Briand, F. (Ed.), 2002. CIESM Workshop Series, vol. 16, Monaco.
- Cimmaruta R., Bondanelli P. and Nascetti G. 2005. Genetic structure and environmental heterogeneity in the European hake (*Merluccius merluccius*). *Molecular Ecology* 14:2577-2591.
- Civitarese, G., Boldrin, A., Bregant, D., Gacic, M., Rabitti, S., Souvermezoglou, E. and Vetrano, A., 1998. Biogeochemical fluxes through the Strait of Otranto (Eastern Mediterranean). *Cont Shelf Res.* 18, 773–789.
- Coban-Yildiz, Y., McCarthy, J., Nevins, J. and A. Yilmaz., 2002. Nitrogen cycling in the off-shore waters of the southern Black Sea., II Int. Conference "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey, p. 317.
- Cocco E. 1982. Risultati delle ricerche relative all'area ionica. Atti Convegno Conclusivo del P.F. "Conservazione del Suolo", Roma, pp. 349-353.
- Cociasu A., Diaconu V., Popa L., Buga L., Nae I., Dorogan L. and Malciu V. 1997. The nutrient stock of the Romanian shelf of the Black Sea during the last three decades. In: Sensitivity to change: Black Sea, Baltic Sea and North Sea (E. Ozsoy and A. Mikaelyan, eds): 49 - 63, Kluwer Academic Publ., Dordrecht, 516.
- Cociasu A., L. Dorogan, C. Humborg and L. Popa. 1996. Long-term Ecological Changes in the Romanian Coastal Waters of the Black Sea. *Marine Pollution Bulletin*, 32 (1), 32-38.
- Codispoti L. A., G. E. Friederich, J. W. Murray and C. M. Sakamoto. 1991. Chemical variability in the Black Sea: Implications of Continuous vertical profiles that penetrated the oxic/anoxic interface. *Deep-Sea Res.* 38(2), 1691 -1710.
- Cokacar, T. and E. Ozsoy. 1998. Comparative analyses and modeling for regional ecosystems of the Black Sea. to appear in: NATO ASI Series on the Proc. Symp. on the Scientific Results of the NATO TU-Black Sea Project, Crimea-Ukraine, June 15-19, 1997.
- Collette, B.B. 1970. *Rastrelliger kanagurta*, another Red Sea immigrant into the Mediterranean Sea with a key to the Mediterranean species of Scombridae. *Bull. Sea Fish. Res. Stn Israel* 54: 3-6.
- Complex monitoring of the Azov Sea basin's environment and biota. Volume 6. Apatiti: KSC RAS Publishers, 2004. 369 p.
- Constantinescu, A. and Bakkum, R. 2001: Danube Delta Water Quality Model - Preliminary results; Symposium Deltas and Wetlands, Danube Delta National Institute Scientific Session Tulcea
- Cormaci M. and Furnari G. 1999. Change of the benthic algal flora of the Tremiti Islands (Southern Adriatic) Italy. In: Kain (Jones) J.M., Brown T.M., Lehaye M. (eds) Proc. 16th Int. Seaweed Symp. Hydrobiology 398/399, pp.75-79.

- Cormaci M., Furnari G., Alongi G., Catra M., Pizzuto F., and Serio D. 2001. Spring marine vegetation on rocky substrata of the Tremiti Islands (Adriatic Sea, Italy). F.M. Faranda, L. Guglielmo, G. Spezie (eds) Mediterranean Ecosystems: Structures and Processes, 32: pp.245-254.
- Cormaci M., Furnari G., Alongi G., Serio D., Petrocelli A. and Cecere E. 2001. Censimento delle macroalghe marine bentoniche delle coste pugliesi. *Thalassia salentina* n. 25, pp. 75-158
- Corriero G., Pansini M. and Sarà M. 1984 .Sui poriferi della insenatura della Strea a Porto Cesareo (Lecce). *Thalassia salentina* n. 14, pp. 3-10
- Corriero G. Scalera Liaci L. and Rizzello R. 1996. Osservazioni sulla mortalità di *Ircinia spinulosa* (Scmidt) ed *Ircinia sp.* (Porifera Demospongia) nell'insenatura della Strea di Porto Cesareo (Lecce). *Thalassia salentina* n. 22, pp. 51-62
- Corriero G., Gherardi M., Giangrande A., Longo C., Mercurio M., Musco L. and Nonnis Marzano C. 2004. Inventory and distribution of hard bottom fauna from the Marine Protected Area of Porto Cesareo (Ionian Sea): Porifera and Polychaeta. *Italian Journal of Zoology* 71:237-245
- Corriero G., Longo C., Mercurio M., Nonnis Marzano C., Lembo G. and Spedicato M.T. 2004. Rearing performance of *Spongia officinalis* on suspended ropes off the Southern Italian coast (Central Mediterranean Sea). *Aquaculture* 238, 195-205.
- Corsini M. and Economidis P.S., 1999. Distribution extension of two Lessepsian migrants found in the marine area of the Island of Rhodes (Aegean Sea, Greece). *Cybium*, 23: 195-199.
- Costagliola D., Robertson D.R., Guidetti P., Stefanni S., Wirtz P., Heiser J.B. and Bernardi G. 2004. Ecology and evolution of the coral reef fish genus *Thalassoma* (Labridae): 2. Evolution of the Eastern Atlantic species *Marine Biology* 144: pp.377-383
- Costantino G., Quaranta L., De Zio V., Pastorelli A.M., Rositani L. and Ungaro N. 2002. Sulla recente presenza di *Caulerpa racemosa* (Forsskal) J. Agardh sui fondi costieri dell'Adriatico sud-occidentale. *Biologia Marina Mediterranea*, vol.8 fasc.1 2002 parte 2 pp. 613-615
- Cozzolino G. C. 1995. Distribuzione dei molluschi bivalvi nella Laguna di Lesina. *Biologia Marina Mediterranea*, 2(2), pp. 365-367.
- Cozzolino G. C. 1995. Macrofitobenthos della Laguna di Lesina: cartografia estiva. *Biologia Marina Mediterranea*, 2(2), pp. 361-363.
- Cramp, A. and G. O'Sullivan, 1999. Neogene sapropels in the Mediterranean: a review. *Mar. Geol.*, 153, 11-28.
- Cramp, A. and M. B. Collins, 1988. A Late Pleistocene-Holocene sapropelic layer in the northwest Aegean Sea, eastern Mediterranean. *Geo-Mar. Lett.*, 8, 19-23.
- Crise, A., Allen, J.I., Baretta, J., Crispi, G., Mosetti, R. and Solidoro, C. 1999. The Mediterranean pelagic ecosystem response to physical forcing. *Prog. Oceanogr.* 44 (1– 3), 219– 243.
- Crosnier, A. 1994. Crustacea Decapoda: Les Metapenaeopsis indo-ouest-pacifiques avec un appareil stridulant (Penaeidae). In: A. Crosnier (ed.), *Réultats des Campagnes MUSORSTOM*, Volume 12. Mémoires du Museum national d'Histoire naturelle, Paris (A), 161:255-337. [In French].
- Cullen H.M., Kaplan A., Arkin P.A. and de Menocal P.B., 2002 "Impact of the North Atlantic Oscillation on Middle Eastern climate and stream flow". *Clim. Change* 55, 315-338.
- Deacon, M. (1985) An early theory of ocean circulation: J.S. von Waizt and his explanation of the currents in the Strait of Gibraltar. *Progress in Oceanography*, 14, 89-101.
- Cushman-Roisin, B., and C. E. Naimie, 2002, A 3D finite-element model of the Adriatic tides, *J. Mar. Sys.*, 37, 279-297.
- D'Ambrosio P., Fraschetti S., Terlizzi A., Bussotti S. and Micheli F. 2005. Utilizzo di metodi quantitativi per la pianificazione di un network di aree marine protette. 36° Congresso SIBM, Trieste, 9-13 Maggio, 2005.

- D'Ambrosio P., Guarnirei G., Fraschetti S., Terlizzi A. and Bussotti S. 2004. Mapping distribution of biodiversity in marine reserves. Rapport du 37e Congrès de la Commission Internationale pour l'Exploration Scientifique de la mer Méditerranée, 37, 509.
- Damiani V. 1986. La regione Puglia: esempio di studio regionale dell'ambiente marino costiero. In: Indagine ambientale del sistema marino costiero della regione Puglia. Ed. ENEA serie Ambiente, Roma.
- Damiani V., Bianchi C. N., Ferretti O., Bedulli D., Morri C., Viel M. and Zurlini G. 1988. Risultati di una ricerca ecologica sul sistema marino costiero pugliese. *Thalassia Salentina* n. 18, pp. 153-169.
- Davidov, A. and U. Horstmann, 2002. Pattern of Danube induced phytoplankton distribution in the western Black Sea. 246, II Int. Conference "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey, pp. 318-319
- De Metrio G., Vaccarella R. and Terio E. 1977. Rinvenimento di *Phyllidia pulitzeri* Pruvot-Fol 1962 nelle acque del Salento. Atti Soc. Peloritana Sc. Fis. Mat. e Nat. (Messina), Vol. 23, pp. 95-101.
- De Putter, T., Loutre M.F. and Wansard G., 1998. Decadal periodicities of Nile River historical discharge (A.D. 622-1470) and climatic implications. *Geoph. Res. Lett.*, 25 (16), 3193-3196.
- De Rosa S. 1986. Caratteri socio-economici del territorio pugliese. Indagine ambientale del sistema marino costiero della Regione Puglia, Ed. ENEA, Roma. Ed. ENEA serie Ambiente, Roma.
- De Zio Grimaldi S., Gallo D'Addabbo M., Delucia Morone M.R., Sandulli R., Faienza M.G. and Pietanza R. 1999. First data on subtidal meiofauna of Tremiti Islands. *Biologia Marina Mediterranea*, vol. 6 fasc. 1 1999 pp. 380-382
- Dean, L.M.I. 1929. Cambridge Expedition to the Suez Canal, 1924. XXXVII. Report on the Alcyonaria. *Trans. Zool. Soc. Lond.* 22: 707-712.
- Delalo E. 1966. Zooplankton in eastern part of the Mediterranean Sea (the seas of Sirt and Levant). In: Investigations of plankton in the South Seas. 7, ed. Science, Moscow, 62-81 (in Russian).
- Della Tommasa, L., Belmonte G., Palanques A., Puig P. and Boero F. 2000. Resting stages in a submarine canyon: a component of shallow-deep-sea coupling? *Hydrobiologia* 440 : 249-260.
- Della Vedova, B., Foucher, J.P., Pellis, G., Harmegnies, F., Medriff Consortium. 1995. Heat flow measurements on the Mediterranean ridge indicate transient processes of heat transfer between the sediment and the water column. *Rapport Commission internationale Mer Méditerranée*, 34, 100.
- Della Vedova, B., Pellis, G., Camerlenghi, A., Foucher, J. P. and Harmegnies, F., 2003. Thermal history of deep-sea sediments as a record of recent changes in the deep circulation of the eastern Mediterranean. *Journal of Geophysical Research*, 108, C9, 8110.
- Demirov, E., and N. Pinardi. 2002. Simulation of the Mediterranean Sea circulation from 1979 to 1993: Part I. The interannual variability. *J. Mar. Sys.*, 33-34, 23-50.
- Demirov, E., N. Pinardi, C. Fratianni, M. Tonani, L. Giacomelli, and P. De Mey. 2003. Assimilation scheme of the Mediterranean Forecasting System: operational implementation, *Ann. Geophysicae*, 21, 189-204.
- Demyshev, S.G. and Korotaev, G.K., 1996. Numerical modelling of synoptic variability of the Black Sea with consideration for seasonal boundary conditions. *Atmosphere and Ocean Physics* 32, 108-116.
- Denitto F., Longo C., Belmonte G., Costantini A., Poto M. and Onorato R. 1999. Biocenotica della grotta sottomarina delle Corvine (Cala di Uluzzu, Nardò, Lecce). Itinerari speleologici, 1999, II, 8, pp. 7-16

- Develi, E. E. and A. Kideys. 2002. Effects of wet and dry deposition on phytoplankton (particularly on *Emiliania huxleyi*) in the Northeastern Mediterranean Sea., II Int. Conference “Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins”, 14-18 October, 2002, Ankara, Turkey, p. 130
- Di Geronimo I. 1970. Heteropoda e Pteropoda Thecosomata in sedimenti abissali recenti dello Jonio. *Thalassia Salentina* 4, pp. 41-115.
- Diaz-Almela E., Boudry P., Launey S., Bonhomme F. and Lapègue S. 2004. Reduced female gene flow in the European flat oyster *Ostrea edulis*. *Journal of Heredity* 95:510-516
- Dikarev, S. N., and S. G. Poyarkov. 2000. On the estimate of the water exchange processes in the Black Sea on the basis of the balance model. *Oceanology* (English translation), 40, 5, 639–646.
- Diviacco G. 1988. I Crostacei Anfipodi di alcune praterie di *Posidonia oceanica* pugliesi. *Thalassia salentina*, 18, pp. 131-139.
- Diviacco G. and Somaschini A. 1994. Classification of soft-bottom amphipod communities off the Apulian coast (Mediterranean Sea). *Mar. Life*, 4 (1), pp. 31-39.
- Dobrovolov I. 1992. Study of the intraspecific divergence of anchovy *Engraulis encrasicolus* L. *Comptes rendus de l'Academie bulgare des Sciences* 45:63-65
- Doncheva, V.G., Moncheva, S.P., Malej, A., Fonda-Umani, S., Kamburska, L.T., Slabakov, H. and Christova, O.D. 2002. “An Assessment of Trophic State of Marine Coastal Environment: Case studies - Varna Bay (Western Black Sea) and Gulf of Trieste (Northern Adriatic).” Proc., 2nd Int. Conf., ”Oceanography of the Eastern Mediterranean and the Black Sea: similarities and differences between two interconnected basins” October, 2002, Ankara, Turkey, 500-507.
- Douek J., Barki Y., Gateno D. and Rinkevich B. 2002. Possible cryptic speciation within the sea anemone *Actina equine* complex detected by AFLP markers. *Zoological Journal of the Linnean Society* 136:315-320
- Dowidar, N.M. 1971. Distribution and ecology of *Ceratium egyptiacum* Halim and its validity as indicator of the current regime in the Suez Canal. *Int. Revue ges. Hydrobiol.* 56(6): 957-966.
- Dowidar, N.M. 1984. Phytoplankton biomass and primary productivity of the south-eastern Mediterranean. *Deep-Sea Research* 31(6-8A), 983-1000.
- Dowidar, N.M. 1973. Distribution and ecology of *Ceratium egyptiacum* Halim and its validity as indicator of the current regime in the Suez Canal. *J. Mar. Biol. Assoc. India* 15(1): 335-344.
- Dowidar, N.M. 1976. The phytoplankton of the Suez Canal. *Act. Adriatica* 18: 377-384.
- Dowidar, N.M. 1974. Tintinnids from the Suez Canal. *Rapp. Comm. Int. Explor. Mer. Medit.* 22(9): 123-124.
- Drakopoulos, P. G. and A. Lascaratos. 1998. A preliminary study on the internal tides of the gulfs of Patras and Korinthos, Greece, *Cont. Shelf Res.*, 18, 1517-1529.
- Drakopoulos, P. G. and A. Lascaratos. 1999. Modelling the Mediterranean Sea: climatological forcing, *J. Mar. Sys.*, 20, 157-173.
- Drakopoulos, P. G., S. Poulos and A. Laskaratos. 1998. Buoyancy fluxes in the Aegean Sea. *Rapp. Comm. int. Mer Médit.*, 35, 134-135.
- Dumont, H., T. Shiganova and U. Niermann. 2004. The Ctenophore *Mnemiopsis leidyi* in the Ponto-Caspian and other aquatic invasions - NATO ASI Series, IV Earth and Environmental Sciences VI.35. Kluwer Academic Publishers. 314 p.
- Duran S., Palacín C., Becerro M.A., Turon X. and Giribet G. 2004. Genetic diversity and population structure of the commercially harvested sea urchin *Paracentrotus lividus* (Echinodermata, Echinoidea). *Molecular Ecology* 13:3317-3328
- Durrieu de Madron X. V.Zervakis, A. Theocharis and D. Georgopoulos, 2005. Comments on “Cascades of dense water around the world ocean”, *Progress in Oceanography*, 64, 83–90.

- Durrieu de Madron, X., F. Nyffeler, E. Balopoulos and G. Chronis. 1992. Circulation and distribution of suspended matter in the Sporades Basin (northwestern Aegean Sea, J. Mar. Sys. , 3, 237-248.,
- Eales, N.B.1970. On the migration of tectibranch molluscs from the Red Sea to the Eastern Mediterranean. Proc Malac. Soc. London 39: 217-220.
- Echevin, V., M. Crepon, and L. Mortier. 2003. Interaction of a coastal current with a gulf: Application to the shelf circulation of the Gulf of Lions in the Mediterranean Sea, J. Phys. Oceanogr., 33, 188-206.
- Ecosystem research of the Azov sea and its coast. Volume IV. Apatiti: KSC RAS Publishers. 2002. 450 p.
- Ediger D. and A. Yilmaz. 1996. Characteristics of deep chlorophyll maximum in the North eastern Mediterranean with respect to environmental conditions. J. of Mar. Systems, 9, 291-303.
- Ediger D. and A. Yilmaz, 2002. The primary production and optical status of the Mediterranean and Black Sea, II Int. Conference "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey, p. 272
- Efroimson V.O. and Maderich V.S., 1987. The bulk model of seasonal changes of vertical hydrological structure of the Black sea, Morskoy Gidrofiz. Zh., no. 4, 312-317.
- Eitan, G. 1972. Additions to the bryozoan fauna of the Suez Canal. Israel J. Zool. 21: 377-384.
- Eker, L. Georgieva, L. Senichkina, and A. E. Kideys, 1999. Phytoplankton distribution in the western and eastern Black Sea in spring and autumn 1995. ICES J.Mar. Science, 56:15-22
- El-Din, S. H. S. and A. H. El-Gindy, 1987. Characteristics, spreading and mixing of the Intermediate Water Mass and their seasonal variations in the Eastern Mediterranean, Acta Adriatica, 28, 1-2.
- Elfatih, A. and Eltahir, B., 1996 "El Niño and the Natural Variability in the Flow of the Nile River", Water Resour. Res. 32, 131-137.
- El-Gindy , A. A. H., El-Din, S. and H. Sh., (1986). Water masses and circulation patterns in the deep layer of the eastern Mediterranean. Oceanologica Acta, 9, 3, 239-248.
- El-Komi, M.M. 1980. Ecological studies on the marine fouling of the southern region of the Suez Canal. 141 pp. (Cairo University, M.Sc. Thesis).
- Emeis, K.-C., and Shipboard Scientific Party, 1996. Paleoceanography and sapropel introduction. In: Emeis, K.-C., Robertson, A.H.F., Richter, C., et al., Proc. ODP, Initial Reports 160, 21-28, College Station, TX (Ocean Drilling Program).
- Engel, W. 1995. The prevalent Lessepsian species found along the Turkish coast. (Specie prevalentemente lessepsiane attestate lungo le Coste turche). Boll. Malacol. 30(1-4): 43-50. (ISSN 0394-7149). [In spanish].
- Environment, biota and modelling of the ecological processes in the Azov Sea. Apatiti: KSC RAS Publishers. 2001, 415 p.
- Eremeev V.N., Horton E., Poulain P-M., Poyarkov S.G., Ratner Yu.B., Soloviev D.M., Stanichny S.V., Zatsepин A.G. and Zhurbas V.M. 2002. Black Sea Drifting Buoy Experiment: Results and Perspective. Argos forum. Special Ocean observation. No.59. Ramonville cedex, France.. P.12-17.
- Estrada, M., Henriksen, P., Gasol, J.M., Casamayor, E.O. and Pedros-Alio, C., 2004. Diversity of planktonic photoautotrophic microorganisms along a salinity gradient as depicted by microscopy, flow cytometry, pigment analysis and DNA-based methods. FEMS Microbiology Ecology 49, 281-293.
- Fanelli G., Piraino S. Belmonte G. Geraci S. and Boero F. 1994. Human predation along Apulian rocky coasts (SE Italy): desertification caused by *Lithophaga lithophaga* (Mollusca) fisheries. Biological Conservation, Volume: 76, Issue: 2, 1996, pp. 216

- Fanelli G. and Affinito P. 1994 Il sentiero blu di Castro Marina. Ecologia Salento, 4° Corso, Salento Mare, Lecce 1994, pp. 105-120.
- Fanelli G., Piraino S., Belmonte G., Geraci S. and Boero F. 1994 Human predation along Apulian rocky coasts (SE Italy): desertification caused by *Lithophaga lithophaga* (Mollusca) fisheries. Mar. Ecol. Prog. Ser., Vol. 110, pp. 1-8.
- Farmer, D. M., and L. Armi. 1988. The flow of Atlantic Water through the Strait of Gibraltar, Prog. Oceanogr., 21, 1– 105.
- Faucci, A. and F. Boero. 2000. Structure of an epiphytic hydroid community on *Cystoseira* at two sites of different wave exposure. In: C.E. Mills, F. Boero, A. Migotto and J.M. Gili, eds., Trends in Hydrozoan Biology - IV. Sci. Mar. 64 Supl. 1: 255-264.
- Faurot, L. 1906. Observations au sujet des mollusques testacés recueillis par MM. Tillier et Bavay dans le Canal de Suez. Bull Soc. Zool. France 31: 42-45.
- Fauvel, P. 1927. Cambridge Expedition to the Suez Canal, 1924. XXIX. Rapport sur les Annélides Polychétes Errantes. Trans. Zool. Soc. Lond. 22: 411-439.
- Fekete, B.M., C.J. Vorosmarty and W. Grabs, 1999. Global Composite Runoff Fields on Observed River Discharge and Simulated Water Balances, Tech. Rep. 22, Global Runoff Data Centre, Koblenz, Germany.
- Feliks, Y. and Itzikowitz, S. (1987). Movement and geographical distribution of anticyclonic eddies in the Eastern Levantine Basin. Deep-Sea Research, 34(9), 1499–1508.
- Fenoglio-Marc L., Long-term sea level change in the Mediterranean Sea from multi-satellite altimetry and tide gauges. Physics and Chemistry of the Earth, 27, 1419-1431 (2002).
- Ferdenghini F., Cocito S., Azzaro S., Sgorbini S. and Cinelli F. 2001. Bryozoan bioconstructions in the coralligenous formations of S.M. Leuca (Apulia, Italy). Biologia Marina Mediterranea, vol.8 fasc.1 2001 parte 1 pp. 238-245
- Fernández, V., D. E. Dietrich, R. L. Haney and J. Tintoré , 2005. Mesoscale, seasonal and interannual variability in the Mediterranean Sea using a numerical ocean model. Progress in Oceanography, in press.
- Finenko, B. E. Anninsky, Z. A. Romanova, G. I. Abolmasova and A. E. Kideys 2001. Chemical composition, respiration and feeding rates of the new alien ctenophore, *Beroe ovata*, in the Black Sea. *Hydrobiologia* 451: 177–186
- Finenko, G. A. and Z. A. Romanova, 2000. Population dynamics and energetics of the ctenophore *Mnemiopsis leidyi* in Sevastopol Bay. *Oceanology* 40: 677–685 (in Russian).
- Finenko, G.E., Z.A.Romanova, and G.I.Abolmasova, 2000. The ctenophore *Beroe ovata* is a new invader to the Black Sea. *Ecologiya morya*, 50:19-22 (in Russian)
- Fischthal, J.H. 1980. Some digenetic trematodes of marine fishes from Israel's Mediterranean coast and their zoogeography, especially those from Red Sea immigrant fishes. Zool. Ser. 9: 11-23.
- Forti, A. 1928. Nuove segnalazioni di alghe passivamente transportate a traverso al Canale di Suez, poi naturalizzate. Nuovo F. bot. Ital. N.S. 34(2): 1443-1451.
- Fouda M.M., Hanna M.Y. and Fouda F.M. 1993. Reproductive biology of a Red Sea goby, *Silhouetta aegyptia*, and a Mediterranean goby, *Pomatoschistus marmoratus*, in Lake Timsah, Suez Canal. Journal of Fish Biology, 43: 139-151.
- Fox, H.M. 1924. The migration of a Red Sea crab through the Suez Canal. Nature. 113: 714.
- Fox, H.M. 1925. The biology of the Suez Canal. Nature. 115: 262-263.
- Fox, H.M. 1926. General part. Zoological results of the Cambridge Expedition to the Suez Canal, 1924. Pt.1. General Part. Trans. Zool. Soc. London 22: 1-64.
- Fox, M. 1927. Appendix to the Report on the Crustacea Decapoda (Brachyura). The Zoological Results of the Cambridge expedition to the Suez Canal, 1924. Trans. Zool. Soc. London 22(2).
- Franco, P., Jeftic, L., Malanotte-Rizzoli, P., Michelato, A. and Orlic, M., 1982. Descriptive model of the Northern Adriatic. Oceanologica Acta, 5, 3, 379– 389.

- Franic, Z. 2005. Estimation of the Adriatic Sea water turnover time using fallout 90Sr as a radioactive tracer. *Journal of Marine Systems*, in press.
- Fraschetti S., Terlizzi A., Belmonte G., Fanelli G., Bussotti S., Pierri C., D'Ambrosio P., Miglietta M.P. and Boero F. 2000. Le comunità marine bentoniche della riserva marina di Porto Cesareo: caratterizzazione e valutazione dello stato di salute. Relazione tecnica, 84pp
- Fraschetti S., Terlizzi A., Fanelli G., Miglietta M.P., Belmonte G., Morri C., Bianchi C.N. and Boero F. 1999. Biodiversità della costa ionica salentina Progetto 5: recupero ambientale e valorizzazione produttiva della fascia costiera salentina. Relazione tecnica 101pp
- Fraschetti S., Bianchi C.N., Boero F., Buia M.C., Della Tommasa L., De Nitto F., Esposito L., Fanelli G., Giangrande A., Miglietta M.P., Morri C., Piraino S. and Rubino F. 1999. Human disturbance and biodiversity along the Apulian Coast. *Biologia Marina Mediterranea*, vol.6 fasc.1 1999 pp. 198-204
- Fraschetti S., Giangrande A., Terlizzi A., Miglietta M.P., Della Tommasa L. and Boero F. 2002. Spatio-temporal variation of hydroids and polychaetes associated with *Cystoseira amantacea* (Fucales: Phaeophyceae). *Marine Biology* (2002) 140: pp.949-957
- Fraschetti S., Terlizzi A., Bussotti S., Guarnieri, G., D'Ambrosio P. and Boero F. 2005. Conservation of Mediterranean seascapes: analyses of existing protection schemes. *Marine Environmental Research*. 59: 309-332.
- Fraschetti S., Terlizzi A., Matinato L., Boero F. 2003. Patterns of assemblage spatial distribution under the *Cystoseira* sp. fringe. *Biologia Marina Mediterranea*, 10 (2): 34-39
- Fraschetti S., Terlizzi, A. and Benedetti-Cecchi L. in press. Patterns of distribution of marine assemblages from rocky shores: evidence of relevant scales of variation. *Marine Ecology Progress Series*
- Fregni E., Faienza M.G., De Zio Grimaldi S., Tongiorgi P. and Balsamo M. 1999 Marine gastrotrichs from the Tremiti archipelago in the southern Adriatic Sea, with the description of two new species Ital. J. Zool., vol.66 pp. 183-194
- Friedrich J., Dinkel C., Friedl G., Pimenov N., Wijsman J., Gomoiu M.-T., Cociasu A., Popa L. and Wehrli B. 2002. Benthic Nutrient Cycling and Diagenetic Pathways in the North-western Black Sea. *Estuarine, Coastal and Shelf Science*, 54: 369 – 383.
- Fuda J. L., G. Etope, C. Millot, P. Favali, M. Calcaro, G. Smriglio and E. Boschi, 2002. Warming, salting and origin of the Tyrrhenian Deep Water. *Geophysical Res. Letters*, 29(19).
- Furnari G., Cormaci M. and Serio D. 1999 Catalogue of the benthic marine macroalgae of the Italian coast of the Adriatic Sea. *Bocconea* 12
- Fusco, G., Manzella, G., Cruzado, A., Gacic, M., Gasparini, G. P. and Kovacevic, V. 2003. Variability of mesoscale features in the Mediterranean Sea from XBT data analysis. *Annales Geophysicae*, 21, 21–32.
- Gacic, M., Civitarese, G., Miserocchi, S., Cardin, V., Crise, A. and Mauri, E. 2002. The open-ocean convection in the Southern Adriatic: a controlling mechanism of the spring phytoplankton bloom. *Cont. Shelf Res.* 22, 1897– 1908.
- Gacic, M., V. Kovacevic, B. Manca, E. Papageorgiou, P. M. Poulain, P. Scarazzato, and A. Vetrano. 1996. Thermohaline properties and circulation in the Otranto Strait, in: Dynamics of Mediterranean straits and channels, F. Briand ed., CIESM Science Series, 2, 117-145.
- Gaillard, F., J.-C. Gascard, and P. Klein. 2000. A methodology for assessing the postconvection mesoscale dynamics in the Gulf of Lion from composite datasets, *J. Phys. Oceanogr.*, 30, 3113-3133.
- Galil, B.S. 1989. Bathymetric distribution and habitat preferences of Lessepsian migrant Decapoda along the Mediterranean coast of Israel, or: do decapods have cold feet? pp. 147-153. In: Spanier, E., Steinberger, Y., Luria, M. (Eds.). "Environmental Quality and Ecosystem Stability" Vol. IV/B. ISEEQS, Bar Ilan Univ. Press, Jerusalem.

- Galil, B.S. 1992. Eritrean Decapods in the Levant. Biogeography in motion. Bull. Inst. Oceanogr., Monaco 9: 115-123.
- Galil, B. 1993. Lessepsian migration: new findings on the foremost anthropogenic change in the Levant basin fauna. Symposium Mediterranean Seas 2000, Univ. Genova, p. 307-322.
- Galil, B.S. 1994. Lessepsian migration - Biological invasion of the Mediterranean. In: Boudouresque, C.F., F. Briand, C. Nolan (eds). Introduced species in European Coastal Waters. Europ. Comm. EUR 15309. Ecosystems Res. Rep. 8: 63-66.
- Galil, B.S. 1997. Two Lessepsian migrant decapods new to the coast of Israel. Crustaceana 70(1): 111-113. (ISSN 0011-216x).
- Galil, B. 1999a. The "silver lining" - the economic impacts of Red Sea invaders in the Mediterranean. pp. 58. (Pederson, J., Compiler). 1st National Conference on Marine Bioinvasions, January 24-27, 1999, Massachusetts Institute of Technology, Cambridge, Mass. USA.(Book of Abstract, Poster).
- Galil, B.S. 1999b. *Melicertus hathor* (Decapoda; Penaeidae) a Red Sea penaeid prawn new to the Mediterranean. Crustaceana, 72(9):1126-1128.
- Galil, B.S. 2000a. *Halimede tyche* Herbst (Decapoda; Xanthoidea; Halimedinae) from the Mediterranean coast of Israel. With a revision of the genus. J. Crust. Biol. 20(2): 329-335.
- Galil, B.S. 2000b. The "Silver lining"- the economic impact of Red Sea species in the Mediterranean. Pp. 265-267. In: Pederson, J. (Ed.). Marine Bioinvasions. Proc. 1st National Conference, January 24-27, 1999. MIT Sea Grant College Program, Cambridge, Mass., USA.
- Galil, B. S. 2000c. A sea under siege - alien species in the Mediterranean. Biological Invasions 2:77-186.
- Galil, B.S., 2004. *Carupa tenuipes* Dana, 1851: An Indo-Pacific swimming crab new to the Mediterranean (Decapoda, Brachyura, Portunidae). Crustaceana 77 (2): 249-251.
- Galil, B.S., 2004. Invasive species in the Mediterranean Sea and pathways of invasion. In: J. Davenport and J. Davenport (eds). The effects of Human Transport on Ecosystems: Cars and Planes, Boats and Trains. 1-14. Royal Irish Academy.
- Galil, B.S. *Dorippe Quadridens* (Crustacea: Decapoda: Dorippidae) – first record of an alien dorippid in the Mediterranean Sea. Crustaceana (in press).
- Galil, B.S. and D. Golani. 1990. Two new migrant decapods from the Eastern Mediterranean. Crustaceana 58(3): 229-236.
- Galil, B.S. and G. Innocenti. 1999. Notes on the population structure of the portunid crab *Charybdis longicollis* Leene, parasitized by the rhizocephalan *Heterosaccus dollfusi* Boschma, off the Mediterranean coast of Israel. Bull. Mar. Sci., 64(3):451-463.
- Galil, B. S. and Kevrekidis, K. 2002. Exotic decapods and a stomatopod off Rhodes Island (Greece) and the Eastern Mediterranean Transient. Crustaceana 75(7): 925-930.
- Galil, B.S. and Ch. Lewinsohn. 1981. Macrofaunal communities of the eastern Mediterranean continental shelf. Mar. Ecol. 2(4): 343-352, figs. 1-5.
- Galil, B.S. and J. Lützen. 1995. Biological observations on *Heterosaccus dollfusi* Boschma (Cirripedia: Rhizocephala), a parasite of *Charybdis longicollis* Leene (Decapoda: Brachyura), a Lessepsian migrant to the Mediterranean. J. Crust. Biol. 15(4): 659-670.
- Galil, B.S., and Lutzen, J.1998. Jeopardy: host and parasite lessepsian migrants from the Mediterranean coast of Israel. J. Nat. Hist. 32: 1549-1551.
- Galil, B.S., E. Spanier and W. Ferguson. 1990. The Scyphomedusae of the Israeli Mediterranean coast, including two lessepsian migrants to the Mediterranean. Zool. Meded. 64(7): 95-105.
- Galil, B.S., S. Pisanty, E. Spanier and M. Tom. 1989. The Indo-Pacific lobster *Panulirus ornatus* (Fabricius, 1798) (Crustacea: Decapoda) - a new Lessepsian migrant to the eastern Mediterranean. Israel J. Zool. 35: 241-243.
- Galil, B. and A. Zenetos. 2002. A sea change – exotics in the eastern Mediterranean. Pages 325-336 in E. Leppäkoski, S. Olenin, and S. Gollasch, editors. Invasive Aquatic Species Of

- Europe : Distributions, Impacts And Management. Kluwer Academic Publishers, Dordrecht, The Netherlands.
- García Lafuente, J. G. 1986. Variabilidad del nivel del mar en el Estrecho de Gibraltar: Mareas y oscilaciones residuales, Ph.D. thesis, 154 pp., Inst.Esp. de Oceanogr., Fuengirola, Málaga, Spain.
- García Lafuente, J., J. Delgado, and F. Criado. 2002. Inflow interruption by meteorological forcing in the Strait of Gibraltar, *Geophys. Res. Lett.*, 29(19), 1914, doi:10.1029/2002GL015446.
- García Lafuente, J., J. M. Vargas, F. Plaza, T. Sarhan, J. Candela and B. Bascheck. 2000. Tide at the eastern section of the Strait of Gibraltar, *J. Geophys. Res.*, 105, 14,197–14,213.
- Gardiner, J.S.1924. The biology of the Suez Canal. *Nature*. 114: 520-521.
- Gargopa Y. M. 2002. Hydrometeorological conditions of forming of the biogens' regime in the Azov sea. Ecosystem research of the Azov sea and its coast. Volume IV. Apatiti: KSC RAS Publishers. P. 167-192.
- Gargopa Y. M. 2002. Modern desalination of the Azov Sea and its connection to the long-term fluctuations of the atmospheric circulation. *Water resources*. Volume 29. №6. P. 747-754.
- Gargopa Y. M. 2003. Periodicity of the Azov Sea ecosystem elements' changes. Proc., Higher education institutes, Northern Caucases, natural sciences. Application №2. P. 27-32.
- Gargopa Y. M. 2000. Changes of the Azov Sea basin's river flow and oceanographical conditions forming its biological resources under the influence of climatic factors. Regularities of the oceanographic and biological processes in the Azov Sea. Apatiti: KSC RAS Publishers, P.10-81.
- Gargopa Y. M. 2003. Conjugacy of the large-scale changes of the Azov Sea biological production and hydrometeorological conditions of its forming. Proc., Higher education institutes, Northern Caucases, natural sciences. 2. P. 78-82.
- Gargopa Y. M. 2001. Regularities of the long-term dynamics of the oceanographic processes and components of the Azov Sea biota // Environment, biota and modelling of the ecological processes in the Azov Sea. Apatiti: KSC RAS Publishers. P. 44-71.
- Garnier, J. G. Billen, E.Hannon, S. Fonborne, Y. Videnina and M. Soulie, 2002. Modelling the transfer and retention of nutrients in the drainage network of the Danube river. *Estuarine Coastal and Shelf Science*, 54, 3, 285-308.
- Garrett C., R. Outbridge and K. Thompson, 1993. Inter-annual variability in Mediterranean heat and buoyancy fluxes. *J. of Climate*, 6, 900-910.
- Garrett, C. J. R., 1983. Variable sea level and strait flows in the Mediterranean: a theoretical study of the response to meteorological forcing, *Oceanol. Acta*, 6, 79-87.
- Garrett, C., 1996. The role of the Strait of Gibraltar in the evolution of Mediterranean water, properties and circulation, in: Dynamics of Mediterranean straits and channels, F. Briand ed., CIESM Science Series, 2, 1-19.
- Garrett, C. and F. Majaess, 1984. Nonisostatic response of sea level to atmospheric pressure in the Eastern Mediterranean, *J. Phys. Oceanogr.*, 14, 656-665.
- Garrett, C., M. Bormans and K. Thompson. 1990. Is the exchange through the Strait of Gibraltar maximal or submaximal?, in The Physical Oceanography of Sea Straits, edited by L. J. Pratt, pp. 271– 294, Kluwer Acad., Norwell, Mass.
- Gascard, J.C., Richez, C. and Jeannin, P.F.,1984. Propriétés hydrologiques et chimiques des eaux du bassin occidental de la Méditerranée, campagne Mediprod 4, 15 octobre – 17 novembre 1981. CNEXO, Ser. Result. Campagnes Mer 26, 71–87.
- Gasparini, G.P., A. Ortona, G. Budillon, M. Astraldi and E. Sansone, 2005. The effect of the Eastern Mediterranean Transient on the hydrographic characteristics in the Strait of Sicily and in the Tyrrhenian Sea. *Deep-Sea Research I* 52 (2005) 915–935

- Gat, G. 1993. *Flabellina rubrolineata* (O'Donoghue) and *Phidiana indica* (Bergh) (Nudibranchia: Aeolidoidea), two new Lessepsian immigrants in the Eastern Mediterranean. *Mollusc. Stud.* 59: 120.
- George C.J., Athanassiou V.A. and Boulos I., 1964. The fishes of the coastal waters of Lebanon. *Miscellaneous Papers in the Natural Sciences*, The American University of Beirut, 4: 1-24.
- Georgopoulos, D. E. Salusti and A. Theocharis, 1992. Dense Water Formation processes in the North Aegean Sea. *Ocean Modelling*, 95, 4-6.
- Georgopoulos, D., G. Chronis, V. Zervakis, V. Lykousis, S. Poulos and A. Iona, 2000. Hydrology and circulation in the Southern Cretan Sea during the CINCS experiment (May 1994–September 1995), *Prog. Oceanogr.* 46 (2–4), 89–112,
- Georgopoulos, D., Theocharis, A. and Zodiatis, G. 1989. Intermediate Water formation in the Cretan Sea (S. Aegean Sea). *Oceanologica Acta*, 12, 4, 353-359.
- Georgopoulos, D., V. Zervakis, A. Theocharis, K. Nittis, L. Perivoliotis and A. Papadopoulos, 2002. The monitoring of the evolution of the hydrological characteristics in the deep basins of the North Aegean Sea, *CIESM Workshop Series* 16, 79– 81
- Georgopoulos, D., 2001. Water masses and dynamic structure in the Aegean, PhD Thesis, Univ. of Patras, Greece, unpublished, p 310
- Geraga, M., St. Tsaila-Monopolis, Chr. Ioakim, G. Papatheodorou and G. Ferentinos, 2000. Evaluation of palaeoenvironmental changes during the last 18,000 years in the Myrtoon basin, SW Aegean Sea. *Palaeoceanography, Palaeoclimatology, Palaeoecology*, 156, 1-17.
- Gertman, I. F., I. M. Ovchinnikov and Yu. I. Popov, 1990. Deep Water Formation in the Aegean Sea. *Rapp. Comm. int. Mer Médit.*, 32, 1, 164.
- Gertman, I., Pinardi,, N., Popov, Y. and Hecht, A.. Aegean Sea water masses during the early stages of the Eastern Mediterranean Climatic Transient (1988-1990). *Journal of Physical Oceanography*, submitted manuscript.
- Gertman, I.F., Ovchinnikov, I.M., Popov, Y.I., 1990. Deep convection in the Levantine Sea. *Rapp. P.v. Reun. Commun. Int. Mer. Medit.* 32, 172.
- Gertman, I.F., Ovchinnikov, I.M., Popov, Yu. I., 1994. Deep convection in the eastern basin of the Mediterranean Sea. *Oceanology* 34 (1), 19– 25.
- GESAMP-1995. Biological Indicators and Their Use in Measurement of the condition of Marine Environment. Reports and Studies 55. (IMO/ FAO/ UNESCO /WMO/WHO/IAEA/UN/UNEP), no. 155, pp. 55.
- Gherardi M. 1973. Ricerche sulle comunità fouling del Mar Piccolo di Taranto. Atti III Simposio Nazionale sulla Conservazione della Natura, Bari 1973, Vol. I, pp. 55-74.
- Gherardi M. 1999. Primi dati sul macrobenthos della Riserva Marina delle isole Tremiti: i policheti. *Biologia Marina Mediterranea*, vol.6 fasc.1 1999 pp. 388-390
- Gherardi M., Giangrande A. and Corriero G. 2001. Epibiotic and endobiotic polychaetes of *Geodia cydonium* (Porifera, Demospongiae) from the Mediterranean Sea. *Hydrobiologia*, 443, issue 1, January 2001, pp. 87-101
- Gherardi M., Gravina M.F. and Giangrande A. 2002. Note tassonomiche ed ecologiche su *Micromaldane ornithochaeta* (Polychaeta, maldanidae), rinvenuta lungo le coste italiane meridionali. *Thalassia salentina* n. 26, pp. 133-143
- Gherardi M. and Lepore E. 1981. Indagine sugli Anellidi Policheti del Mar Grande di Taranto. *Archivio di Oceanologia e Limnologia*, Vol. 20, n. 1, pp. 19-49.
- Gherardi M. and Lepore E. 1982. Distribuzione verticale dei balani nel Mar Piccolo di Taranto. *Naturalista sicil.*, S. IV, VI (Suppl.), 1, pp. 129.
- Gherardi M. and Lepore E. 1974. Insediamenti stagionali delle popolazioni fouling del Mar Piccolo di Taranto. Atti IV Simposio Nazionale sulla Conservazione della Natura, Bari 1974, Vol. 2, pp. 235-258.
- Gherardi M. and Lepore E. 1976. Gli Anellidi Policheti del Mar Piccolo di Taranto. Nota preliminare. *Rivista di Idrobiologia*, Vol. XV, Fasc. 1, pp. 151-166.

- Gherardi M. and Lepore E. 1980 Alcuni dati sulla distribuzione verticale dei balani nelle associazioni bentoniche di substrato duro nel Mar Piccolo di Taranto. *Oebalia*, Vol. VI, pp. 31-39.
- Gherardi M., Lepore E., Muscio A., Padalino C. and Vittorio F. 1974. Studio sulle comunità fouling del porto di Manfredonia (Foggia). *Mem. Biol. Marina e Oceanogr.*, N.S., Vol. IV, n. 4-5-6, pp. 275-287.
- Gherardi M., Lepore E. and Sciscioli M. 1982. Variazioni qualitative e quantitative di un popolamento a Policheti del Mar Piccolo di Taranto. *Mem. Biol. Mar. e Ocean. (N.S.)*, Vol. XII, n. 3, pp. 217-231.
- Gherardi M., Lepore E. and Sciscioli M. 1993. Distribution of the Polychaetous Annelids in the Ionian and lower Adriatic Sea: descriptive analysis. *Oebalia*, Vol. XIX, pp. 27-45.
- Ghobashy, A.F. and Hasssan, A.K. 1980. Notes on the wood boring in the Suez Canal. In: Proc. 5th Intern. Congress Mar. Corrosion and Fouling. International Congress on Marine Corrosion and fouling 5: 93-98. (Madrid).
- Ghobashy, A.F.A., El Komy, M.M. and Ramadan, S.E. 1980. Fouling in the Suez Canal. in: Proc. 5th Intern. Congress Mar. Corrosion and Fouling. *Marine Biology*, p. 75-92 (Madrid).
- Ghobashy, A.F.A. and El Komy, M.M. 1980b. Fouling in the southern region of the Suez Canal. *Hydrobiol. Bull.* 14(3): 179-185.
- Giangrande A. 1994. The genus *Demonax* (Polychaeta, Sabellidae) in the Mediterranean Sea, with description of *D. tommasi*. *Boll. Zool.*, 61, pp. 229-233.
- Giangrande A., Delos A.L., Fraschetti S., Musco L., Licciano M. and Terlizzi A. 2003. Polychaete assemblages of rocky shore along the South Adriatic coast (Mediterranean Sea): pattern of spatial distribution. *Marine Biology*, 143: 1109-1116
- Giangrande A., Delos A.L., Musco L., Licciano M. and Pierri C. 2004. Polychaete assemblages of rocky shore along the South Adriatic coast (Mediterranean Sea). *Cahiers de Biologie Marine* 45:85-95
- Giangrande A., Fraschetti S. and Terlizzi A. 2002. The effect of *Platynereis dumerilii* (Polychaeta: Nereididae) recruitment and population structure and its influence on polychaete assemblage: a regional scale approach. *Italian Journal of Zoology*, 69: 133-139.
- Giangrande A. and Fraschetti S. 1996. Effects of a short term environmental change on a brackish water polychaete community. *P.S.Z.N.I. Mar. Ecol.*, 17 (1-3) : pp. 321-332.
- Giangrande A., Licciano M. and Fanelli G. 2001. Bioturbation behaviour in two Mediterranean Polychaetes. *J. Mar. Biol. Ass. U.K.* 81: 341-342.
- Giangrande A. and Licciano M. 2004. Factors influencing latitudinal pattern of biodiversity: an example using Sabellidae (Annelida, Polychaeta). *Biodiversity and Conservation* 13: 1633-1646
- Giangrande A., Licciano M., Pagliara P. and Gambi M. 2000. Gametogenesis and larval development in *Sabella spallanzanii* (Polychaeta, Sabellidae) from Mediterranean Sea. *Marine Biology*, 136: 847-861.
- Giangrande A. and Montanaro P. 1997. Resource partitioning and habitat selection between two polychaetes from the Acquatina Lake (Lecce, Italy). *Biologia Marina Mediterranea* 4(1), pp. 127-132.
- Giangrande A., Montanaro P. and Castelli A. 1999. On some *Amphicorina* (Polychaete Sabellidae) species from Mediterranean coast, with the description of *A. grahamensis*. *Ital. J. Zool.* 66: 195-203.
- Giangrande A., Montresor M., Cavallo A. and Licciano M. 2002. Influence of *Naineris laevigata* (Polychaeta: Orbiniidae) on vertical grain size distribution, and dinoflagellate resting stages in the sediment. *Journal of Sea Research*, 47, issue 2, march, 2002, pp. 97-108

- Giangrande A. and Petraroli A. 1994. Observations on reproduction and growth of *Sabellaspallanzanii* (Polychaeta, Sabellidae) in the Mediterranean Sea. Mém. Mus. natn. Hist. nat., 162, pp. 51-56.
- Giangrande A. and Rubino F. 1994. I policheti dello stagno salmastro di Acquatina: problematiche della dispersione nelle specie lagunari. *Thalassia Salentina* 20, pp. 77-91.
- Gilles A., Miquelis A., Quignard J-P., and Faure É. 2000. Molecular phylogeography of western Mediterranean dusky grouper *Epinephelus marginatus*. *Comptes Rendus de L'Academie des Sciences Serie III - Sciences de La Vie - Life Sciences* 323:195-205
- Gilman, C. and C. Garrett, 1994. Heat flux parameterizations for the Mediterranean Sea : The role of atmospheric aerosols and constraints from the water budget. *Journal of Geophysical Research*, 99, 5119 - 5134.
- Ginzburg, A. I. 1994. Horizontal exchange processes in the Black Sea near-surface layer Issledovanie Zemli iz kosmosa, 2, 75–83, (in Russian).
- Ginzburg, A. I. 1995. On nonstationary jet-like currents in the southwestern Black Sea. Issledovanie Zemli iz kosmosa, 4, 10–16, (in Russian); *Earth Observ. Remote Sensing* (English translation), 13, 519–528, 1995.
- Ginzburg, A. I., A. G. Kostianoy, and N. A. Sheremet. 2001. On use of satellite data for studying seasonal and interannual variability of the Black Sea surface temperature. Issledovanie Zemli iz kosmosa, 1, 51–61, (in Russian).
- Ginzburg, A. I., A. G. Kostianoy, D. M. Soloviev, and S. V. Stanichny. 2000. Remotely sensed coastal/deep-basin water exchange processes in the Black Sea surface layer. *Satellites, Oceanography and Society*, Ed. D. Halpern, Elsevier Oceanography Series, 63, 273–287,
- Ginzburg, A. I., A. G. Kostianoy, D. M. Soloviev, and S. V. Stanichny. 2000. Evolution of eddies and jets in the northeastern Black Sea in autumn 1997. Issledovanie Zemli iz kosmosa, 1, 3–14, (in Russian).
- Ginzburg, A. I., A. G. Kostianoy, D. M. Soloviev, and S. V. Stanichny. 2000. Mesoscale dynamics in the southeastern Black Sea. Oceanic fronts and related phenomena, Konstantin Fedorov Memorial Symposium, UNESCO, IOC Workshop Report No. 159, GEOS, Moscow, 155–161.,
- Ginzburg, A. I., A. G. Kostianoy, N. P. Nezlin, D. M. Soloviev, and S. V. Stanichny. 2001. Evolution of an anticyclonic eddy in the northeastern Black Sea in summer–autumn 1993 (satellite and ship-borne observations). Issledovanie Zemli iz kosmosa, 2, 69–75, (in Russian).
- Ginzburg, A. I., A. G. Kostianoy, N. P. Nezlin, D. M. Soloviev, and S. V. Stanichny. 2002. Anticyclonic eddies in the northwestern Black Sea. *J. Marine Systems*, 32, 91–106.,
- Ginzburg, A. I., A. G. Kostianoy, N. P. Nezlin, D. M. Soloviev, R. R. Stanichnaya, and S. V. Stanichny. 2000. Anticyclonic eddies over the northwestern Black Sea continental slope and their role in chlorophyll-rich shelf water transport to the deep basin. Issledovanie Zemli iz kosmosa, 3, 71–81, (in Russian).
- Ginzburg, A. I., A. G. Kostianoy, V. G. Krivosheya, N. P. Nezlin, D. M. Soloviev, S. V. Stanichny, and V. G. Yakubenko. 2000. Peculiarities of the Water Dynamics and Chlorophyll *a* Distribution in the Northeastern Part of the Black Sea in Autumn 1997. *Oceanology* (English translation), 40, 3, 316–328.,
- Ginzburg, A. I., A. G. Zatsepin, A. G. Kostianoy, V. G. Krivosheya, A. Yu. Skirta, D. M. Soloviev, S. V. Stanichny, N. A. Sheremet, T.A. Shiganova, V. G. Yakubenko, and M. Gregoire. 2001. Anticyclonic eddies in the deep eastern part of the Black Sea in summer–autumn 1999 (satellite and ship-borne observations). Issledovanie Zemli iz kosmosa, 5, 3–11, (in Russian).
- Ginzburg, A. I., A. G. Zatsepin, A. G. Kostianoy, V. G. Krivosheya, A. Yu. Skirta, D. M. Soloviev, S. V. Stanichny, and V. G. Yakubenko. 2002. Separation of near-shore anticyclonic eddies from the Caucasian shore and their transformation into deep-sea eddies.

- Multi-disciplinary investigations of the north-east part of the Black Sea (A. Zatsepin and M. Flint - eds.), NAUKA, Moscow, 82–91, (in Russian).
- Ginzburg, A. I., E. A. Kontar, A. G. Kostianoy, V. G. Krivosheya, D. M. Soloviev, S. V. Stanichny, and S. Yu. Laptev. 1998. System of mesoscale eddies over a sharp bottom slope on the northwestern part of the Black Sea in summer 1993 (satellite and ship data). Oceanology (English translation), 38, 1, 51–58.
- Glynn, P.W.1972. Isopoda of the Suez Canal. Israel J. Zool. 21: 275-300.
- Godeaux, E.A.1999. The Thaliaceans, a group of animals refractory to Lessepsian migration: an updated survey of their populations in the Levantine Basin and the Red Sea. Israel J. Zool. 45: 91-100.
- Godeaux, J. 1974. Thaliacés récoltés au large des côtes Egyptiennes de la Méditerranée et de la mer Rouge (Tunicata, Thaliacea). Beaufortia 22: 83-103.
- Golani D. and Ben-Tuvia A., 1990. Two Red Sea flatheads (Platycephalidae) immigrants in the Mediterranean. Cybium, 14:57-61.
- Golani D. and Diamant A., 1991. Biology of the sweeper, *Pempheris vanicolensis* Cuvier and Valenciennes, a Lessepsian migrant in the eastern Mediterranean, with comparison to the original Red Sea population. Journal of Fish Biology, 38: 819-827.
- Golani D. and Sonin O. 1992. New records of the Red Sea fishes, *Pterois miles* (Scorpaenidae) and *Pteragogus pelycus* (Labridae) from the eastern Mediterranean Sea. Japanese Journal of Ichthyology, 39(2): 167-169.
- Golani, D. 1987. The Red Sea pufferfish *Torquigener flavimaculosus* a new Suez Canal migrant in the Eastern Mediterranean (Pisces: Tetraodontidae). Senckenberg. Mar. 19: 339-343.
- Golani, D. 1990. Environmentally-induced meristic changes in Lessepsian fish migrants, a comparison of source and colonizing populations. Bull. Inst. oceanogr. Monaco Spec. Issue 7: 143-152.
- Golani, D. 1993a. Trophic adaptation of Red Sea fishes to the eastern Mediterranean environment. review and new data. Isr. J. Zool. 39(4): 391-402. (ISSN 0021 - 2210).
- Golani, D. 1993b. The biology of the Red Sea migrant, *Saurida undosquamis* in the Mediterranean and comparison with the indigenous confamilial *Synodus saurus* (Teleostei: Synodontidae). Hydrobiologia 271(2): 109-117.
- Golani, D. 1998. Distribution of Lessepsian migrant fish in the Mediterranean. Italian J. Zool. 65(Suppl.): 95-99.
- Golani, D. 2000. First record of the bluespotted cornetfish from the Mediterranean Sea. Journal of Fish Biology, 56: 1545-1547.
- Golani, D. and B.S. Galil. 1991. Trophic relationships of colonizing and indigenous goatfishes (Mullidae) in the eastern Mediterranean with special emphasis on decapod crustaceans. Hydrobiologia 218: 27-33.
- Golani, D., A. Ben-Tuvia and B.S. Galil. 1983. Feeding habits of the Suez Canal migrant squirrelfish, *Sargocentron rubrum*, in the Mediterranean Sea. Israel J. Zool. 32: 194-204.
- Golani, D. and Ben-Tuvia, A. 1986. New records of fishes from the Mediterranean coast of Israel, including Red Sea immigrants. Cybium 10: 285-291.
- Golani, D. and Ritte, U. 1999. Genetic relationship in goatfishes (Mullidae: Perciformes) of the Red Sea and the Mediterranean, with remarks on Suez Canal migrants. Scientia Marina 63(2): 129-135.
- Golani, D.1993. The sandy shore of the Red Sea - launching pad for Lessepsian (Suez Canal) migrant fish colonizers of the eastern Mediterranean. J. Biogeogr. 20(6): 579-585.
- Gomoiu M.-T. and Skolka M., 1996. Changements récents dans la biodiversité de la Mer Noire dûs aux immigrants. GEO-ECO-MARINA, 1: 49-65.
- Gomoiu M.-T., 1992. Marine eutrophication syndrome in the north-western part of the Black Sea. Science of the Total Environment. Suppl., Elsevier Science Publishers B.v., Amsterdam: 683-692.

- Gomoiu M.-T., 1995. Conservation des écosystèmes côtières de la mer Noire. Problèmes et perspectives. Les mers tributaires de Méditerranée CIESM Science Series., Monaco, 1: 111-116.
- Gomoiu M.-T., 1998. Some remarks concerning the evaluation of ecological diversity at the Romanian Black Sea Coast – In: Conservation of the Biological Diversity as a Prerequisite for Sustainable Development in the Black Sea Region – V. Kotliakov et al. (Eds), Kluwer Academic Publishers, NATO ASI Series 2 Environmental Security, 46: 77-93.
- Gomoiu M.-T., 1999. Present state of Benthic Ecodiversity in the Black Sea – In: Monitoring Black Sea Environmental Conditions, WG Proc., Workshop 27 February - 4 March 1999, Erice, Italy, Working Group "Water and Pollution. Proceedings Series Volume 3: 127-162.
- Gomoiu M.T., 2001. Impact of naval transport development on marine ecosystems and invasive species problems. Journal of Environmental Protection and Ecology, 2, 2: 475 – 481.
- Gomoiu M.-T., Alexandrov B., Shadrin N. and Zaitsev Yu., 2002. The Black Sea – a Recipient, Donor and Transit Area for Alien Species. E.Lepakoski et al. (eds.), Invasive Aquatic Species of Europe, Kluwer Academic Publishers: 341 – 350
- Gomoiu, M.-T., Secrieru, D., Oaie, Gh., Cristescu, M., Nicolescu, N. and Marinescu, V., 1998. Ecological state of the River Danube ecosystems in 1995. GeoEcoMarina, 3: 37-88.
- Gomoiu, M.-T. and Skolka M., 1998. Evaluation of marine and coastal biological diversity at the Romanian littoral - A Workbook for the Black Sea Ecological Diversity – Analele Univ. "Ovidius" Constanța, Seria Biologie-Ecologie, 2, Supliment: I-XIV, 173 pp.
- Goncharov, V. P., Emelianova, L. P., Mikhailov, O.V. and Tsyplev, Yu. I. 1965. Areas and volumes of the Mediterranean and Black seas. Oceanology, 5, 987-992
- Gordina A.D., Nikolskiy V.N., Niermann U., Bingel F. and Subbotin A.A. 1997. New data on the morphological differences of anchovy eggs (*Engraulis encrasicolus* L) in the Black Sea. Fisheries Research 31:139-145
- Gordina, A.D., E.V.Pavlova, E.I.Ovsyany, J.G.Wilson, R.B.Kemp and A.S. Romanov, 2002. Long-term changes in Sevastopol Bay (the Black Sea) with particular reference to Ichthyoplankton and zooplankton. Estuarine, Coastal and Shelf Science, 52, 1-13.
- Gordina, A.D. and Klimova, T.N., 1996. The dynamics of specific composition and abundance of ichthyoplankton in the coastal and open waters of the Black Sea. In: Modern condition of the Black Sea ichthyofauna. NASU. Kovalevsky Institute of biology of the Southern Seas. Sevastopol, 74-94 (in Russian).
- Gordina, A.D., Niermann, U., Kideys, A.E., Subbotin, A.A., Artyomov, Yu.G. and Bingel, F., 1998. State of summer ichthyoplankton in the Black Sea. In: NATO TU-Black Sea Project: Ecosystem Modeling as a Management Tool for the Black Sea, Symposium on Scientific Results, L. Ivanov and T. Oguz (eds.), Kluwer Academic Publishers, pp.367-380.
- Gordina, A.D., Nikolsky, V.N., Niermann, U., Bingel, F. and Subbotin, A.A., 1997. New data of the morphological differences of anchovy eggs (*Engraulis encrasicolus* L.) in the Black Sea. Fisheries Research 31, 139-145.
- Gordina, A.D., Subbotin, A.A. and Klimova, T.N., 1990. Abundance and peculiarities of ichthyoplankton distribution in the western Black Sea in summer period 1988. Ukr. Acad. Sci. Kovalevsky Institute of biology of the Southern Seas. Sevastopol: 32 p. Dep. in VINITI 19.10.90, N 5410-B90 (in Russian).
- Goren M. and Galil, B.S. Impacts of invading fish on Levantine Inland and marine ecosystems. Journal of Applied Ichthyology. (in press).
- Goren M. and Galil B., 1989. *Petroscirtes aenylodon*: first Lessepsian migrant blenny in the eastern Mediterranean. Israel Journal of Zoology, 36:125-128.
- Goren M. and Galil B.S., 1998. First record of the Indo-Pacific coral reef fish *Abudefduf vaigiensis* (Quoy and Gaimard, 1825) in the Levant. Israel Journal of Zoology, 44: 57-59.
- Gorinshtein S., S. T. Jung, S. Moncheva, P. Arancibia, I. Goshev and S. Trakhtenberg, J. Namiesnik, 2005. Partial Characterization of proteins from Mussels *Mytilus*

- galloprovincialis* as a biomarker of Contamination. Arch. Environ. Contam. Toxicol., 48, 1-8.
- Gorinstein Sh., S. Moncheva, E. Katrich, F. Toledo, P. Arancibia, I. Goshev and S. Trakhtenberg, 2003. Antioxidants in the black mussel (*Mytilus galloprovincialis*) as an indicator of Black Sea coastal pollution Marine Pollution Bulletin, Volume 46, Issue 10, October, 2003, Pages, 1317-1325.
- Goryachkin, Y. N., V.A. Ivanov and A.D. Lisichenok, Short-period internal waves in the frontal zones of non-tidal seas (the Black Sea and the Aegean Sea), Phys. Oceanogr, 1(6), 535-542, 1990.
- Govindarajan A.F., Piraino S., Gravili C. and Kubota S. 2005 Species identification of Bivalve-inhabiting marine hydrozoans of the genus *Eugymnanthea*. Invertebrate Biology, 124: 1-10
- Grant W.S. and Bowen B.W. 1998. Shallow population histories in deep evolutionary lineages of marine fishes: insights from sardines and anchovies and lessons for conservation. *The Journal of Heredity* 89:415-426
- Grauso S. 1986. Schema geo-litologico dell'area pugliese adriatico-ionica e contributo detritico dei corsi d'acqua. In: Indagine ambientale del sistema marino costiero della Regione Puglia. Ed. Viel M., Zurlini G., ENEA, Roma: pp.27-41.
- Gravili, C., F. Boero and J. Bouillon, 1996. *Zanclea* species (Hydroidomedusae, Anthomedusae) from the Mediterranean. In: S. Piraino, F. Boero, J. Bouillon, P.F.S. Cornelius and J.M. Gili, eds, Advances in Hydrozoan Biology. Sci. Mar. 60 1: 99-108.
- Grbec B., M. Morovic and M. Zore-Armanda, 2003. Mediterranean oscillation index and its relationship with salinity fluctuations in the Adriatic Sea. Acta Adriatica, 44, 61-76.
- Gregg M. C. and E. Özsoy, 1999. Mixing on the Black Sea Shelf North of the Bosphorus, Geophysical Research Letters, 26, 1869-1872.
- Gregg M. C., E. Özsoy and M. A. Latif, 1999. Quasi-Steady Exchange Flow in the Bosphorus, Geophysical Research Letters, 26, 83-86.
- Grégoire, M., and E. Stanev, 2001. Ventilation of Black Sea anoxic waters, J. Mar. Sys. 31, 1-2.
- Gregoire, M., J.-M. Beckers, J. C. J. Nihoul, and E. Stanev. 1997. Coupled hydrodynamic ecosystem model of the Black Sea at basin scale. in E. Ozsoy and A. Mikaelyan (eds.), Sensitivity to change: Black Sea, Baltic Sea and North Sea, NATO ASI Series, Vol. 27, Kluwer Academic Publishers, 487-499.
- Gregoire, M., J.-M. Beckers, J. C. J. Nihoul, and E. Stanev. 1998. Reconnaissance of the main Black Sea ecohydrodynamics by means of a 3D interdisciplinary model, J. Mar. Sys., 16, 85-105.
- Gremes Cordero, S., 1999. The use of thermal satellite data in dense water formation studies in the Mediterranean Sea. Journal of Marine Systems 20, 175–186.
- Grimaldi De Zio S., D'Addabbo Gallo M., Morone De Lucia M. R., Vaccarella R. and Grimaldi P. 1982 Quattro nuove specie di Halechiniscidae rinvenute in due grotte sottomarine dell'Italia meridionale. (Tardigrada: Heterotardigrada). Cahiers de Biologie Marine, Vol. 23, pp. 415-426.
- Gruvel, A. 1933b. Sur la distribution de quelques espèces de mollusques dans les lagunes du Lac Timsah (Canal de Suez). C. R. Hebd. Séances Acad. Sci. Paris 197: 349-350.
- Gruvel, A. 1934. Sur quelques unes des causes qui arrêtent la pénétration des espèces animales dans le Canal des Suez. Comm. Acad. Sci. Paris.
- Gruvel, A. 1936. Contribution à l'étude de la bionomie générale et de l'exploration de la faune du Canal de Suez. Mem. Inst. Egypte 35: 1-30.
- Gruvel, A. and Chabanaud, P. 1937. Mission A. Gruvel dans le Canal de Suez. II. Poissons. Mém. Inst. Egypte 29: 1-255.
- Gruvel, A. and Moazzo, G. 1933. Mollusques testacés du Grand Lac Amer (Canal de Suez). (Première liste). Bull. Mus. Natl. Hist. Nat. (France) 5: 143-147.

- Gruvel, A. 1929. De l'influence du percement du Canal de Suez sur la faune marine des cotes de Syrie. Comm. Acad. Sci. Colon. Paris 188: 1697-1699.
- Gruvel, A. 1932. Sur quelques observations au sujet du Grand Lac Amer (Canal de Suez). C. R. Hebd. Séances Acad. Sci., Paris 194: 2333-2334.
- Gruvel, A. 1933a. Abondance du *Branchiostoma lanceolatum* Pallas dans le Canal de Suez. Comm. Acad. Sci. Paris, 197: 92-93.
- Guarniero I., Franzellitti S., Ungaro N., Tommasini S., Piccinetti C. and Tinti F. 2002. Control region haplotype variation in the central Mediterranean common sole indicates geographical isolation and population structuring in Italian stocks. Journal of Fish Biology 60:1459-1474
- Güçü, A. C. 2002. Can overfishing be responsible for the successful establishment of *Mnemiopsis leidyi* in the Black Sea . Estuarine Coastal and Shelf Science, 54, 3, 439-452.
- Güçü, A., 1997. Role of fishing in the Black Sea ecosystem. In: Sensitivity to Change: Black Sea, Baltic Sea and North Sea, E. Ozsoy and A. Mikaelyan (eds.), Kluwer Acad. Publ., pp.149-162.
- Güçü, A.C. and Bingel, F. 1994. Trawlable species assemblages on the Northeastern Levant Sea (Mediterranean) with an emphasis on Lessepsian migration. Acta Adriatica 35(1-2): 83-100.
- Güçü, A.C., Bingel, F., Avsar, D. and Uysal, N. 1994. Distribution and occurrence of Red Sea fishes at the Turkish coast - northern Cilian basin. Acta Adriatica 34(1-2): 103-113.
- Guerricchio A. and Melidoro G. 1986 Problematiche di geologia applicata lungo la fascia costiera ionica del Golfo di Taranto. In: "Evoluzione dei litorali" - ENEA. Pp. 263-294.
- Guibout, P., 1987. Atlas Hydrographique de la Méditerranée, IFREMER, Brest.
- Guidetti P. 2004. Consumers of sea urchins, *Paracentrotus lividus* and *Arbacia lixula*, in shallow Mediterranean rocky reefs. Helgoland Marine Research, 58: 110-116
- Guidetti P. 2004. Trophic cascades and underlying mechanisms in the Mediterranean rocky sublittoral. 14° Congresso SitE, 4-6 Ottobre 2004, Riassunti: 17-18.
- Guidetti P. in press. Cascate trofiche, meccanismi causali e modalità di distribuzione dei barren nel sublitorale roccioso mediterraneo. Atti del 14° Congresso SitE, Siena 4-6 Ottobre 2004.
- Guidetti P. in press. Estimating body size of sea urchins, *Paracentrotus lividus* and *Arbacia lixula*, from stomach contents of *Diplodus sargus*, a Mediterranean predatory fish. Journal of Applied Ichthyology
- Guidetti P. in press. Reserve effect and trophic cascades in Mediterranean sublittoral rocky habitats: a case study at the Marine Protected Area of Torre Guaceto (Southern Adriatic Sea). Biologia Marina Mediterranea
- Guidetti P. and Boero F. 2004. Desertification of Mediterranean rocky reefs caused by date-mussel, *Lithophaga lithophaga* (Mollusca: Bivalvia), fishery: effects on adult and juvenile abundance of a temperate fish. Marine Pollution Bulletin, 48: pp.978-982
- Guidetti P., Bussotti S. and Kovacic M. in press. First record of the large-scaled goby, *Thorogobius macrolepis* (Pisces, Gobiidae) in the Italian seas. Thalassia Salentina. Thalassia Salentina in stampa
- Guidetti P., Bussotti S., Molinari A., Tunisi L. and Cattaneo-Vietti R. 2005. Popolamenti ittici costieri ed aree marine protette: qualche chiave di lettura dei risultati ottenuti in 5 AMP italiane. 36° Congresso SIBM, Trieste, 9-13 Maggio, 2005
- Guidetti P., Bussotti S., Viva C. and Ciccolella A. 2005. Protection of fish biodiversity and target species: the case study of the Torre Guaceto MPA (Southern Adriatic Sea). 36° Congresso SIBM, Trieste, 9-13 Maggio, 2005.
- Guidetti P. and D'Ambrosio P. 2004. Spatial variability in the distribution patterns of *Coris julis* and *Thalassoma pavo* (Pisces, Labridae) along the south-eastern Apulian coast. Thalassia Salentina, 27: 81-90.
- Guidetti P., Fanelli G., Fraschetti S., Terlizzi A. and Boero F. 2002. Coastal fish indicate human-induced changes in the Mediterranean littoral. Marine Environmental Research, vol 53, issue 1, February, 2002, pp. 77-94

- Guidetti P., Fraschetti S., Terlizzi A., Boero F. 2003. Distribution patterns of sea urchins and barrens in shallow Mediterranean rocky reefs impacted by the illegal fishery of the rock-boring mollusc *Lithophaga lithophaga*. *Marine Biology* 143: pp.1135-1142
- Guidetti P., Fraschetti S., Terlizzi A. and Boero F. 2004. Effects of Desertification caused by *Lithophaga lithophaga* (Mollusca) fishery on littoral fish assemblages along rocky coasts of southeastern Italy. *Conservation Biology*, 18: 1417-1423
- Guidetti P., Fraschetti S., Terlizzi A., Falugi C. and Boero F. 2003. Human predation on the sea urchin *Paracentrotus lividus* along the southern Apulian rocky coasts: effects on populations. *Biologia Marina Mediterranea*, 10: 714-717.
- Guidetti P. and Mori M. in press. Morpho-functional defences of Mediterranean sea urchins, *Paracentrotus lividus* and *Arbacia lixula*, against fish predators. *Marine Biology*
- Guidetti P., Terlizzi A. and Boero F. 2004. Effects of the edible sea urchin, *Paracentrotus lividus*, fishery along the Apulian rocky coasts (SE Italy, Mediterranean Sea) *Fisheries Research*, 66: 287-297
- Guidetti P., Terlizzi A., Fraschetti S. and Boero F. 2002. Spatio-temporal variability in fish assemblages associated with coralligenous formations in south eastern Apulia (SE Italy). *Italian Journal of Zoology*, vol.69 pp. 325-331
- Guidetti P., Terlizzi A., Fraschetti S., Boero F. 2003. Changes in Mediterranean rocky-reef fish assemblages exposed to sewage pollution. *Marine Ecology Progress Series*, 253: 269-278
- Guidetti P., Tunesi L., Bussotti S., Molinari A., Salvati E., Greco S., Cattaneo-Vietti R., Boero F. 2003. Conservation benefits of marine reserves for fish: theory and real world. 38th European Marine Biology Symposium (Aveiro, Portugal, 8-13 September 2003), Abstract Book: 198-199.
- Gunnerson, C. G. and E. Ozturgut, 1974. "The Bosphorus" in E. T. Degens and D. A. Ross (eds.) *The Black Sea -- Geology, Chemistry and Biology*, American Association of Petroleum Geologists, Tulsa, , p.103.
- Gurney, R. 1927a. Cambridge Expedition to the Suez Canal, 1924. XV. Report on the larvae of the Crustacea Decapoda. Cambridge Expedition to the Suez Canal, 1924. *Trans. Zool. Soc. London* 22: 231-286.
- Gurney, R. 1927b. Cambridge Expedition to the Suez Canal, 1924. XXIII. Report on the Crustacea: Copepoda (littoral and semi-parasitic). *Trans. Zool. Soc. Lond.* 22: 451-577.
- Gurney, R. 1927c. Cambridge Expedition to the Suez Canal, 1924. IX. Report on the Crustacea Copepoda of brine-pools at Kabret. *Trans. Zool. Soc. Lond.* 22: 173-177.
- Gurney, R. 1927d. Cambridge Expedition to the Suez Canal, 1924. VIII. Report on the Crustacea: Copepoda and Cladocera of the plankton. *Trans. Zool. Soc. Lond.* 22: 139-172.
- Guzzini A., Somaschini A., and Ardizzone G. D. 1992. I Tanaidacei del litorale di Brindisi. *Oebalia*, Vol. XVII, Suppl., pp. 359-361.
- Gysels E.S., Hellemans B., Pampoulie C. and Volckaert F.A.M. 2004. Phylogeography of the common goby, *Pomatoschistus microps*, with particular emphasis on the colonization of the Mediterranean and the North Sea. *Molecular Ecology* 13:403-417
- Gysels E.S., Hellemans B., Patarnello T. and Volckaert F.A.M. 2004. Current and historic gene flow of the sand goby *Pomatoschistus minutus* on the European Continental Shelf and in the Mediterranean Sea. *Biological Journal of the Linnean Society* 83:561-576
- Haas G. and Steinitz H. 1947. Erythrean fishes on the Mediterranean coast of Palestine. *Nature*, 160: 28.
- Hagemann, S., K. Arpe and L. Bengtsson, 2005. Validation of the hydrological cycle of ERA40, Max-Planck-Institute for Meteorology, (in preparation).
- Haines, K. and P. Wu, 1995. A modelling study of the thermohaline circulation of the Mediterranean Sea: water formation and dispersal. *Oceanol. Acta*, 18, 401-417.

- Halim Y. and Messih M.A. 1999. The Suez Canal revisited. Changes in the Ascidian fauna of the canal. International conference on "Oceanography of the Eastern Mediterranean and Black Sea" 23-26/2/1999. EU Report, p 367
- Halim, Y. 1990. On the potential migration of Indo-Pacific plankton through the Suez Canal. Bull l'Inst. Océanogr. Monaco, N.S. 7: 11-27.
- Hamad, N., Millot, C. and Taupier-Letage, I. 2004. The surface circulation in the eastern basin of the Mediterranean Sea: new elements. In Proc., 2nd Int. Conf. on oceanography of the Eastern Mediterranean and Black Sea. (pp. 2–9), Ankara, 14–18 October 2002.
- Hamad, N., C. Millot and I. Taupier-Letage, 2005. A new hypothesis about the surface circulation in the eastern basin of the Mediterranean Sea. Progress in Oceanography, in press.
- Hamad, N., Millot, C. and Taupier-Letage, I., 2005. The surface circulation in the eastern basin of the Mediterranean Sea. Scientia Marina, in press.
- Hamza, W., P. Ennet, R. Tamsalu and V. Zalensky, 2003. The 3D physical-biological model study in the Egyptian Mediterranean coastal area. Aquatic Ecology, (37), 307-324.
- Harant, H. 1927. Cambridge Expedition to the Suez Canal, 1924. XXIV. Rapport sur les Tuniciers. Trans. Zool. Soc. Lond. 22: 365-373.
- Hassan, F.A., 1997. Holocene palaeoclimates of Africa, African Archaeological Review 14, 213-230.
- Hastings, A.B. 1927. Cambridge expedition to the Suez Canal, 1924, Pt. 20. Report on the Polyzoa. Trans. zool. Soc. London 22: 331-354.
- Hay B. J., M. A. Arthur, W. E. Dean and E. D. Neff, 1991. Sediment deposition in the late holocene abyssal Black Sea: Terrigenous and biogenic matter, Deep-Sea Res., 38 (suppl.), 5711-5723.
- Hecht, A. and Gertman, I. 2001. Physical Features of the eastern Mediterranean resulting from the integration of POEM data with Russian Mediterranean Cruises. Deep-Sea Research, I, 48, 1847-1876.
- Hecht, A., 1992. Abrupt changes in the characteristics of Atlantic and Levantine Intermediate Waters in the Southern Levantine basin. Oceanol. Acta, 15, 25-42.
- Hecht, A., N. Pinardi, and A. R. Robinson, 1988. Currents, water masses, eddies and jets in the Mediterranean Levantine basin, J. Phys. Oceanogr., 18, 1320-1353.
- Heron-Allen, E. and Earland, A. 1926. Cambridge Expedition to the Suez Canal, 1924. II. Report on the Foraminifera. Trans. Zool. Soc. Lond. 22: 65-70.
- Herzberg A. 1973. A case of toxicity in the Rabbit fish of the Mediterranean coast of Israel. Fisheries and Fishbreeding in Israel, 8(2-3): 57-59 (in Hebrew).
- Hoeger, U. and Mommsen, T.P., 1984. Hydrolitic enzymes in the two North Sea ctenophores *Pleurobrachia pileus* and *Beroe gracilis*. Mar. Biol., 81, 123-130.
- Holthuis, L.B. 1956. Notes on a collection of Crustacea Decapoda from the Great Bitter Lake, Egypt, with a list of the species of Decapoda known from the Suez Canal. Zool. Mede. Rijksmus. Nat. Hist. (Leiden) 34(22): 301-330.
- Holthuis, L.B. and Gottlieb, E. 1958. An annotated list of the decapod Crustacea of the Mediterranean coast of Israel, with an appendix listing the Decapoda of the eastern Mediterranean. Bull. Res. Council Israel 7B: 1-26.
- Hopkins, T. S. 1999. The thermohaline forcing of the Gibraltar exchange. Journal of Marine Systems 20, 1–31.
- Hopkins, T. S., 1978. Physical processes in the Mediterranean basins. In Estuarine Transport Processes, Kjerfve B (ed.). University of South Carolina Press: Columbia, SC; 285–286.
- Hopkins, T., S., 1985. Physics of the Sea, in *Key Environments – Western Mediterranean*, edited by R. Margalef, pp. 116-117, Pergamon Press, Oxford.
- Hopkins, T.S., 1988. Recent observations on the intermediate and deep circulation in the southern Tyrrhenian Sea. Oceanol. Acta 9, 41– 50.

- Horstman U. 2002. The formation of polysaccharides from phytoplankton under stress and its ecological relevance in the Mediterranean Sea., II Int. Conference “Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins”, 14-18 October, 2002, Ankara, Turkey
- Horton, C., J. Kerling, G. Athey, J. Schmitz and M. Clifford, 1994, Airborne expendable bathythermograph surveys of the Eastern Mediterranean, *J. Geophys. Res.*, 99, C5, 9891-9905.
- Hubareva, E., L. Svetlichny, L. Bat and A. Kideys, 2002. Metabolic Rates of Juvenile *Beroe ovata* in the Black Sea, II Int. Conference “Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins”, 14-18 October, 2002, Ankara, Turkey, p.143
- Humborg C., V. Ittekkok, A. Cociasu and B. Bodungen, 1997. Effect of Danube River dam on Black Sea biogeochemistry and ecosystem structure. *Nature*, 386, 385-388.
- Hurrell, J. W., 1995. Decadal trends in the North Atlantic Oscillation regional temperatures and precipitation. *Science*, 269, 676 - 679.
- Huyse T., Houdt J. Van and Volckaert F.A.M. 2004. Paleoclimatic history and vicariant speciation in the “sand goby” group (Gobiidae, Teleostei). *Molecular Phylogenetics and Evolution* 32:324-336
- Hyder, P., J. H. Simpson and S. Christopoulos, 2002. Sea-breeze forced diurnal surface currents in the Thermaikos Gulf, *Cont. Shelf Res.*, 22, 585-601.,
- Hyder, P., J. H. Simpson, S. Christopoulos and Y. Krestenitis, 2002. The seasonal cycle of stratification and circulation in the Thermaikos Gulf ROFI, nort-west Aegean, *Cont. Shelf Res.*, 22, 2573-2597.
- Ibanez, C., Prat, N. and Canicio, A., 1996. Changes in the hydrology and sediment transport produced by large dams on the lower Ebro river and its estuary. *Reg. Riv. Res. and Man.*, 12, 51-62.
- Ibraev, R.A., V.I. Kuksa, and A. Yu. Skirta. 2000. Modeling the transport of pollution by eddy currents of the eastern part of the Black Sea. *Oceanology* (English translation), 40(1), 22 – 29.
- Ignatiades, L., 1998. The productive and optical status of the oligotrophic waters of the Southern Aegean Sea (Cretan Sea), Eastern Mediterranean. *Journal of Plankton Research* 20(5), 985-995
- Ignatiades, L., Psarra, S., Zervakis, V., Pagou, K., Souvermezoglou, E., Assimakopoulou, G. and Gotsis-Skretas, O., 2002. Phytoplankton size-based dynamics in the Aegean Sea (Eastern Mediterranean). *Journal of Marine Systems* 36, 11-28.
- Innocenti, G., N. Pinter and B.S. Galil, 2003 Observations on the agonistic behavior of the swimming crab *Charybdis longicollis* Leene, infected by the Rhizocephalan barnacle *Heterosaccus dollfusi* Boschma. *Canadian Journal of Zoology* 81:173-176.
- Innocenti, G., N. Vannini and B.S. Galil. 1998. Notes on the behaviour of the portunid crab *Charybdis longicollis* Leene, parasitized by the Rhizocephalan *Heterosaccus dollfusi* Boschma. *J. Nat. Hist.* 32: 1577-1585.
- IOC, 1999. Science of the Mediterranean Sea and its Applications. UNESCO, Paris, 155.
- Ivanov L. I., S. Besiktepe and E. Ozsoy, 1997a. Physical Oceanography Variability in the Black Sea Pycnocline. In E. Ozsoy and A. Mikaelyan (eds). Sensitivity to change: Black Sea, Baltic and North Sea, NATO ASI Series, Kluwer Academic Publishers, 27: 264-273.
- Ivanov L. I., S. Besiktepe and E. Ozsoy, 1997b. The Black Sea Cold Intermediate Layer. In E. Ozsoy and A. Mikaelyan (eds). Sensitivity to change: Black Sea, Baltic and North Sea, NATO ASI Series, Kluwer Academic Publishers, 27:253-264.
- Ivanov, P. I., A. M. Kamakim, V. B. Ushivtzev, T. Shiganova, O. Zhukova, N. Aladin, S. I. Wilson, G. R. Harbison and H. J. Dumont, 2000. Invasion of Caspian Sea by the comb jellyfish *M. leidyi leidyi* (Ctenophora). *Biological Invasions* 2: 255-258.

- Izquierdo, A., L. Tejedor, D. V. Sein, J. O. Backhaus, P. Brandt, A. Rubino and B. A. Kagan, 2001. Control variability and internal bore evolution in the Strait of Gibraltar: A 2-D two-layer model study, *Estuarine Coastal Shelf Sci.*, 53, 637– 651.
- Jackson, C.H.N. 1927. Cambridge Expedition to the Suez Canal, 1924. XVII. Report on a new species of Collembola. *Trans. Zool. Soc. Lond.* 22: 289-290.
- Jakovides, C., G. Papaioannou and H. Michalopoulou, 1989. Evaporation over the Aegean Sea using Large-Scale Parameters. *Meteorol. Atmos. Phys.*, 41, 255-260.
- James, D.B. and Pearse, J.S. 1969. Echinoderms from the Gulf of Suez and the northern Red Sea. *J. Mar. Biol. Assoc. India* 11: 78-125.
- Jones, E. G. 1999. Burial at sea; consumption and dispersal of large fish and cetacean food-falls by deep-sea scavengers in the Northeast Atlantic Ocean and Eastern Mediterranean Sea. PhD. University of Aberdeen, Aberdeen.
- Jones, E. G., A. Tselepides, P. M. Bagley, M. A. Collins and I. G. Priede. 2003. Bathymetric distribution of some benthic and benthopelagic species attracted to baited cameras and traps in the eastern Mediteranean. *Marine Ecology Progress Series* 251:75-86.
- Jordan, D.S. and Hubbs, C.L. 1917. Notes on a collection of fishes from Port-Said Egypt. *Ann. Carneg. Mus.* 11: 461-468.
- Jordi, A., A. Orfila, G. Basterretxea and J. Tintoré, 2005. Shelf-slope exchanges by frontal variability in a steep submarine canyon. *Progress in Oceanography*, in press.
- Josey, S. A., 2003. Changes in the Heat and Freshwater Forcing of the Eastern Mediterranean and their Influence on Deep Water Formation, *Journal of Geophysical Research*, 108(C7), 3237.
- Josey, S. A., E. C. Kent and P. K. Taylor, 1999: New insights into the ocean heat budget closure problem from analysis of the SOC air-sea flux climatology. *J. Climate*, 12, 2856 - 2880.
- Kahya E. and Karabörk M. Ç. 2001. The analysis of El Niño and La Niña signals in streamflows of Turkey. *Int. J. Climatol.* 21: 1231–1250.
- Kalnin V.V. and Kalnina O.V. 1984. Gene differentiation and relations between the Azov and Black Sea races of the European anchovy. *Genetics* 20:309-313 (in Russian).
- Kamburska L., 2002. Post invasion effect of *Beroe ovata* on gelatinous and zooplankton dynamic along the Bulgarian Black Sea coast.” Caspian Environment Programme, NATO ARW Conference “The invasion of the Black, Mediterranean and Caspian Seas by the American Ctenophore *Mnemiopsis leidyi* Agassiz: a Multidisciplinary Perspective”, NATO *Mnemiopsis* Advisory Group Workshop, 24-26 June, Baku, Azerbaijan (in print).
- Kamburska L., Moncheva S., A. Konsulov, A. Krastev and K. Prodanov, 2003. The Invasion of *Beroe ovata* in the Black Sea a warning signal for ecosystem concern? *Oceanology, IO-BAS*, v. 4, 111-123.
- Karamfilov, V. K., T. W. Fileman, K. M. Evans and R. F. C. Mantoura 1996. Determination of dimethoate and fenitrothion in estuarine samples by C-18 solid-phase extraction and high-resolution gas-chromatography with nitrogenphosphorus detection. *Analytica Chimica Acta* 335(1-2), 51-61.
- Karamfilov, V., K. Istilyanov and S. Naumova, 1997. Impact of chronic oil pollution on microorganisms in sea coastal bottom sediments. In Proc., 8th Scientific Session of the Biological Faculty, Sofia University, Sofia, pp. 164.
- Kastanos, N. and G. Ferentinos, 1991. Mesoscale current variability in the Otranto Straits, Adriatic Sea, *J. Geophys. Res.*, 96, 8741-8754.
- Katz, E. J., 1972. The Levantine Intermediate Water between the Strait of Sicily and the Strait of Gibraltar, *Deep-Sea Res.*, 15, 507-520.
- Kaya M., Bilecenoglu M. and Golani D., 2000. New record of a Lessepsian migrant *Pteragogus pelucus* Randall, 1981 (Teleostei: Labridae) for northern Cyprus. *Zoology in the Middle East*, 20: 65-68.

- Keller, C. 1882. Die Fauna im Suez-Kanal und die Diffusion der mediterranen und erythreischen Tierwelt. N. Denkschr. Schweiz. Naturforsch. Ges. 28(3): 1-38.
- Keller, C. 1888. Die Wanderung der marinen Tierwelt im Suezkanal. Zool. Anz. 9: 359-364, 389-395.
- Kevrekidis, K. and B. S. Galil, 2003. Decapoda and Stomatopoda (Crustacea) of Rodos island (Greece) and the erythrean expansion NW of the Levantine Sea. Mediterranean Marine science 4(1): 57-66.
- Kevrekidis, K., B.S. Galil and T. Kevrekidis. 1998. Three lessepsian migrant penaeids (Decapoda) in Rodas Island (Greece). Crustaceana 71(4): 474-478.
- Kidd, R. B., M. B. Cita and W. B. F. Ryan, 1978. Stratigraphy of eastern Mediterranean sapropel sequences recovered during DSDP Leg42A and their palaeoenvironmental significance. Proc. ODP, Initial Reports 42A, 421-443, College Station, TX (Ocean Drilling Program).
- Kideys A.E., Gordina A.D., Niermann U., Z.Uysal,, Shiganova T.A. and Bungel F. 1998. Distribution of eggs and larvae of anchovy with respect to ambient conditions in the southern Black Sea during 1993 and 1996. In: NATO TU-Black Sea Project: Ecosystem Modeling as a Management Tool for the Black Sea, Symposium on Scientific Results, L. Ivanov & T. Oguz (eds.), Kluwer Academic Publishers, pp.189-198.
- Kideys A. E., G. A. Finenko, B. E. Anninsky, T. Shiganova, A. Roohi, M. R. Tabari, M. Youseffyan, M. T. Rostamiyan, H. Rostami and H. Negarestan 2004 Physiological characteristics of the *Beroe ovata* in the Caspian water. Marine ecology Progress series. Vol.266:111-121
- Kideys, A., G. A. Finenko, B. E. Anninsky, T. A. Shiganova, A. Roohi, M. Roushan Tabari and H. Negarestan, 2002. Can the Ctenophore *Beroe* from the Black Sea Halt *Mnemiopsis* Impact in the Caspian Sea?: Results from Laboratory Experiments, 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey, p.141,
- Kideys, A.E., 1994. Recent dramatic changes in the Black Sea ecosystem: The reason for the sharp decline in Turkish anchovy fisheries. J. Marine Systems 5, 171-181.
- Kideys, A. E., 2002. Fall and rise of the Black Sea ecosystem. Science, 297, 1482-1483.
- Kideys E.A., Kovalev A.V., Shulman G., Gordina A. and Bingel F., 2000. A review of zooplankton investigations of the Black Sea over the last decade. Journal of Marine Systems, 24, 355-375.
- Killworth, P.D., 1979. The mixing and spreading phase of MEDOC 1. Prog. Oceanogr. 7, 59–90.
- Kimor, B. 1990. Microplankton of the Red Sea, the Gulf of Suez and the Levantine basin of the Mediterranean. Bull. Inst. Océanogr. Monaco, N.S. 7: 29-38.
- Kinder, T.H. and Parilla, G., 1987. Yes, some of the Mediterranean outflow does come from great depth. J. Geophys. Res. 92, 2901– 2906.
- Klein, B, Roether, W., Manca, B. B., Bregant, D., Beitzel, V., Kovacevic, V. and Luchetta, A., 1999. The large deep water transient in the Eastern Mediterranean. Deep-Sea Research I, 46, 371–414.
- Klein, B., Roether, W., Civitarese, G., Gacic, M., Manca, B. B. and Ribera D'alcala, M., 2000. Is the Adriatic returning to dominate the production of Eastern Mediterranean Deep Water? Geophysical Research Letters, 27, 20, 3377-3380.
- Knight-Jones P. and Giangrande A. 2003. Two new species of an atypical group of *Pseudobranchiomma* Jones (Polychaeta, Sabellidae). Hydrobiologia, 494: 95-103.
- Koleva, E. K., L. Krastev, E. L. Peneva, and E. V. Staney 1997. Verification of high-resolution climatic simulations for the area of Bulgaria. Part I: The state of the climate for the period 1960-1990. Bulg. J. Meteorol. and Hydrol., 7, 73-83.
- Konovalov, S.K., G.W. Luther, III, G.E. Friederich, D.B. Nuzzio, B.M. Tebo, J.W. Murray, T. Oguz, B. Glazer, R.E. Trouwborst, B. Clement, K. J. Murray, and A.S. Romanov, 2003.

- Lateral injection of oxygen with the Bosphorus plume: fingers of oxidizing potential in the Black Sea, Limnology and Oceanography 48(6): 2369-2376.
- Konsulov A., Tz. Konsulova, K. Prodanov, S. Moncheva, K. Dencheva, L. Kamburska and A. Velikov. 1998. State of the art and tendencies for changes in the Black sea biodiversity in front of the Bulgarian coast. In: Conservation of the biological diversity as a prerequisite for sustainable development in the Black Sea Region, NATO ASI Series, 2. Environment, Kluwer Academic Publ., 46, 101-128.
- Konsulov, A. and Kamburska, L., 1997. Sensitivity to anthropogenic factors of the plankton fauna adjacent to the Bulgarian coast of the Black Sea. In: Sensitivity to Change: Black Sea, Baltic Sea and North Sea, E. Ozsoy and A. Mikaelyan (eds.), Kluwer Acad. Publ., pp.95-104.
- Konsulov, A. and L. Kamburska, 1998. Black Sea zooplankton structural dynamic and variability off the Bulgarian Black Sea coast during 1991-1995. NATO ASI Series, 2.Environment-vol.2/27, "Ecosystem Modeling as a Management Tool for the Black Sea, Symposium on Scientific Results", L. Ivanov and T. Oguz (eds.), v. 1, (Kluwer Academic Publishers), 281-293.
- Konsulova Ts., 2004. State of the marine ecosystems along Bulgarian Black Sea coast. In: Hens L., Stoyanov S., Boyadjiev Ch. (eds.), Environmental management for port areas. Capacity building among port authorities and societal stakeholders in Bulgaria. Flanders-Bulgarian project BUL/017/02: 135-147
- Konsulova Ts., Konsulov A., Velikov A. and Kambusrka L., 1997. Biota recent state in the adjacent marine zone to reserve Kaliakra. BSBCP, Bulgarian Switzerland Program for Biodiversity Conservation in Bulgaria, Scientific reports, vol. 1, 77 - 87.
- Konsulova Ts., Tasev V., Todorova V. and Konsulov A., 2003. The effect of bottom trawling on mussel beds along the Bulgarian Black Sea coast. Proc. 2nd Int. Conf. on Oceanography of the Eastern Mediterranean and Black Sea: Similarities and Differences of Two Interconnected Basins", 14-18 October 2002, Ankara, Turkey, 888-896.
- Konsulova Ts., Todorova V. and Konsulov A., 2001. Investigations on the effect of ecological method for protection against illegal bottom trawling in the Black Sea – preliminary results". Rapp. Comm. int. Mer. Medit., 36, 287.
- Konsulova Ts. and Tokmakov J., 1995. Biodiversity of "Cocketrice" sandy bank (Black Sea) – a prerequisite for its conservation as a protected area. Rapp. Comm. Int. Mer. Medit., 34, 34.
- Kontoyiannis, H., A. Theocharis, E. Balopoulos, S. Kioroglou, V. Papadopoulos, M. Collins, A. F. Velegakis and A. Iona, 1999. Water fluxes through the Cretan Arc Straits, Eastern Mediterranean Sea: March 1994 to June 1995. Progress in Oceanography, 44, 511-529.
- Kontoyiannis, H., E. Balopoulos, O. Gotsis-Skretas, A. Pavlidou, G. Assimakopoulou and E. Papageorgiou, 2005. The hydrology and biochemistry of the Cretan Straits (Antikithira and Kassos Straits) revisited in the period June 1997–May 1998. Journal of Marine Systems, 53, 1-4, 37-57
- Korneeva G.A., Shiganova T.A., Vedernikov V.I. and Romankevich E.A. 1997. Natural dynamics of enzyme destruction of organic matter in the Black Sea in relation to a settlement of ctenophore *Mnemiopsis leidyi*. Report on the symposium on scientific results of NATO TU Black Sea project «Science for stability» p.48-51
- Korneeva, G. A. and Shiganova T. A. 1995. Influence of jelly-bodied organisms on the proteoid formation in seawater. Oceanology, 35, 1, p. 82-87 (in Russian).
- Korres, G., A. Lascaratos, E. Hatziapostolou and P. Katsafados, 2002. Towards an ocean forecasting system for the Aegean Sea, Global Atmos. Ocean Syst., 8, 191-218.
- Korres, G. and Lascaratos, A., 2001. A climatological atmospheric forcing data set for use with general circulation models of the Mediterranean Sea. Rapp. Comm. Int. Mer Medit. 36, 71.

- Korres, G., Pinardi, N. and Lascaratos, A., 2000. The ocean response to low frequency interannual atmospheric variability in the Mediterranean Sea: Part I. Sensitivity experiments and energy analysis. *J. Climate* 13, 705– 731.
- Kosswig, C. 1950. Erythrëische Fische im Mittelmeer und an der Grenze der Ageis. *Sylleg. biol. Festschr. Kleinschmidt*, pp. 203-212.
- Kotoulas G., Bonhomme F. and Borsa P. 1995. Genetic structure of the common sole *Solea vulgaris* at different geographic scales. *Marine Biology* 122:361-375.
- Kotoulas G., Magoulas A., Tsimenides N. and Zouros E. 1995. Marked mitochondrial DNA differences between Mediterranean and Atlantic populations of the swordfish, *Xiphias gladius*. *Molecular Ecology* 4:473-481
- Kourafalou V. and E. V. Stanev, 2001. Modelling the impact of atmospheric and terrestrial inputs on the Black Sea coastal dynamics. *Annales Geophysicae*, 19,245-256.
- Kourafalou, V. H., H. Kontoyiannis, Y. Krestenitis and K. A. Barbopoulos, 1999. The Northwestern Aegean shelf: observations and modelling, XXV Conference of EGS,Geophysical Research Abstracts, 1(2), 391.,
- Kourafalou, V. H. and K. A. Barbopoulos, 2001. A study of the North Aegean Sea circulation with a high resolution nested model, XXVII Conference of EGS,Geophysical Research Abstracts, GRA3, 3512.
- Kourafalou, V. H. and K. A. Barbopoulos, 2003. High resolution simulations on the North Aegean Sea seasonal circulation, *Annales Geophysicae*, 21, 511-265.
- Kourafalou, V. H. 2001. River plume development in semi-enclosed Mediterranean regions: North Adriatic Sea and Northwestern Aegean Sea, *J. Mar. Sys.*, 30, 181-205.
- Kovacevic V., Gacic, M. and Poulain, P.-M., 1999. Eulerian current measurements in the Strait of Otranto and in the Southern Adriatic. *Journal of Marine Systems*, 20, 255–278.
- Kovalev A.V. and Shmeleva A.A. 1982. Fauna of Copepoda in the Mediterranean. *Ekologiya Morya* 8: 82-87 (in Russian).
- Kovalev, A.V., Besiktepe, S., Zagorodnyaya, Yu.A. and Kideys, A.E., 1998a Mediterraneanization of the Black Sea zooplankton is continuing. In: NATO TU-Black Sea Project: Ecosystem Modeling as a Management Tool for the Black Sea, Symposium on Scientific Results, L. Ivanov and T. Oguz (eds.), Kluwer Academic Publishers, pp.199-208.
- Kovalev, A.V., Bingel, F., Kideys, A.E., Niermann, U., Skryabin, V.A., Uysal, Z. and Zagorodnyaya, Yu.A., 1998b. The Black Sea zooplankton: history of investigations, composition, and spatial/temporal distribution. *Turkish J. of Zoology*.
- Kovalev, A.V. and Gubanova, A.D., 1995. Long-term dynamics of the Sevastopol Bay zooplankton of the shelf zone of the Azov-Black Sea Basin. NAS of Ukraine, MHI, Sevastopol, 96-99 (in Russian).
- Kovalev, A.V., Gubanova, A.D., Kideys, A.E., Melnikov, V.V., Niermann, U., Ostrovskaya, N.A., Skryabin, V.A., Uysal, Z. and Zagorodnyaya, Yu.A., 1998c. Long-term changes in the biomass and composition of fodder zooplankton in coastal regions of the Black Sea during the period 1957-1996. In: NATO TU-Black Sea Project: Ecosystem Modeling as a Management Tool for the Black Sea, Symposium on Scientific Results, L. Ivanov and T. Oguz (eds.), Kluwer Academic Publishers, 209-220.
- Kovalev, A.V., Niermann, U., Melnikov, V.V., Belokopitov, V., Uysal, Z., Kideys, A.E., Unsal, M. and Altukhov, D. 1998d. Long-term changes in the Black Sea zooplankton: The role of natural and anthropogenic factors. In: NATO TU-Black Sea Project:Ecosystem Modeling as a Management Tool for the Black Sea, Symposium on Scientific Results, L. Ivanov and T. Oguz (eds.), Kluwer Academic Publishers, pp.221-234.
- Krahmann, G. and Schott, F., 1998. Longterm increases in Western Mediterranean salinities and temperatures: anthropogenic and climatic sources. *Geophysical Research Letters*, 25, 22, 4209-4212.

- Krasakopoulou, E., E. Souvermezoglou, A. Pavlidou and H. Kontoyiannis, 1999. Oxygen and nutrient fluxes through the Straits of the Cretan Arc (March 1994–January 1995), *Prog. Oceanogr.*, 44(4), 601-624.,
- Krasakopoulou, E., V. Zervakis, E. Souvermezoglou and D. Georgopoulos, 2002. North-eastern Aegean sea: an effort to estimate steady-state N and P budgets, *Mediterranean Marine Science.*, 3(1), 43-54.,
- Krefft, G. 1963. *Platycephalus indicus* (Linnaeus 1758), ein neues Faunenelement der Egyptischen Mittelmeerkuste. *Arch. FischWiss.* 14(3): 148-152.
- Kress, N. and Herut, B., 2001. Spatial and seasonal evolution of dissolved oxygen and nutrients in the Southern Levantine Basin (Eastern Mediterranean Sea): chemical characterisation of the water masses and inferences on the N:P ratios. *Deep-Sea Research I* 48, 2347-2372.
- Krestenitis, Y. N. and L. A. Valioulis, 1994. Investigation of deep water mass formation in the N. Aegean Sea basin, in: *Free Surface Flow and Hydraulic Software*, Eds. W. R. Blaine and K. L. Katsifakis, *Hydr. Engin. Soft.* Vol. 2, 107-114.,
- Kristoffersen J.B. and Magoulas A.. Investigating anchovy (*Engraulis encrasicolus* L.) population structure in the Mediterranean Sea using multiple methods. Submitted to *Marine Biology*
- Krivosheya V. G., I. M. Ovchinnikov and A. Yu. Skirta, 2002. Interannual variability of the Cold Intermediate Layer renewal in the Black Sea. Multi-disciplinary investigations of the north-east part of the Black Sea (A. Zatsepin and M. Flint - eds.), NAUKA, Moscow, 27–39, (in Russian).
- Krivosheya, V. G., F. Nyffeler, V. G. Yakubenko, I. M. Ovchinnikov, R. D. Kos'yan and E. A. Kontar. 1998. Experimental studies of eddy structures within the Rim Current zone in the north-eastern part of the Black Sea, *Ecosystem Modeling as a Management Tool for the Black Sea* (L. I. Ivanov and T. Oguz - eds.), Kluwer Academic Publishers, 2, 131–144.,
- Krivosheya, V. G., I. M. Ovchinnikov, V. B. Titov, V. G. Yakubenko and A. Yu. Skirta, 1998. Meandering of the Main Black Sea Current and eddy formation in the northeastern part of the Black Sea in summer 1994, *Oceanology* (English Translation), 38, 4, 492–498.,
- Krivosheya, V. G., L. V. Moskalenko, I. M. Ovchinnikov and V. G. Yakubenko. 1997. Features of water dynamics and hydrological structure in the northeastern Black Sea in autumn 1993, *Oceanology* (English Translation), 37, 3, 321–326,
- Kroiss H., Lampert C. and Zessner M. 2004. New Challenges for Nutrient Management in the Danube Basin, International Workshop on Measures Against Diffuse Pollution on Water Environment, Kyoto, Japan, Proceedings, Ritsumeikan University, Japan, (2004), S. 26 - 37.
- Kroiss H., Lampert C. and Zessner M. 2004. New challenges for nutrient management in the Danube Basin European Conference on Coastal Zone Research: an ELOISE Approach, Portoroz, Slovenia, Book of Abstracts, European Land Ocean Interaction Studies (ELOISE), (2004), S.32.
- Kroiss H., Zessner M. and Lampert C. 2002. Nutrient Management in the Danube Basin and Its Impact on the Black Sea; Proceeding EWA-conference “River Basin Management - From Experience to Implementation” Conference in Amsterdam 2-4 October 2002.
- Kroiss H., Zessner M., Lampert C. 2003. Nutrient Management in the Danube Basin and Its Impact on the Black Sea, *Journal of Coastal Research*, Vol.19 (No 4): 898 – 906
- Kroiss, H., Lampert, C. and Zessner, M. 2001. Nutrient management in the Danube Basin and its impact on the Black Sea; ELOISE 4th open Science Meeting 5-7 September 2001 Rende, Italy; Book of Abstracts, p. 20-21
- Krom, M. D., Groom, S. and Zohary, T., 2003. The Eastern Mediterranean. In: *The Biogeochemistry of Marine Systems* (Eds. K.D. Black and G.B. Shimmield), p. 91-126. Oxford Blackwell.

- Krom, M.D., Brenner, S., Kress, N., Neori, A. and Gordon, L.I., 1993. Nutrient distributions during an annual cycle across a warm-core oceanic eddy from the E. Mediterranean Sea. *Deep-Sea Research* 40, 805-825.
- Krom, M.D., Kress, N., Brenner, S. and Gordon, L.I., 1991. Phosphorus limitation of primary productivity in the eastern Mediterranean. *Limnology and Oceanography*. *Limnology and Oceanography* 36, 424-432.
- Ksiunin, G. and B. S. Galil, 2003. A new record of an Indo-West Pacific crab (Crustacea: Decapoda) from the Mediterranean coast of Israel. *Israel Journal of Zoology*. 49(4): 316-317.
- Ktari, F. and Ktari, M.H. 1974. Présence dans le golfe de Gabès de *Siganus luridus* (Ruppel, 1828) et de *Siganus rivulatus* (Forsskal, 1775) (Poissons Siganidés) parasités par *Pseudohaliotrematoides polymorphus*. *Bull. Inst. Ocean. Péche Salammbò (Tunisie)* 3: 95-98.
- Ktari-Chakroun, F. and Bouhal, M. 1971. Capture de *Siganus luridus* (Ruppel) dans le Golfe de Tunis. *Bull. Inst. Ocean. Péche Salammbò, Tunisie* 2(1): 49-52.
- Kukla, G. J. and R. K. Matthews, 1972. When will the present interglacial end? *Science*, 178, 190-191.
- Kukla, G. J., J. F. McManus, D. D. Rousseau and I. Chuine, 1997. How long and how stable was the last interglacial? *Quaternary Science Reviews*, 16, 1-10.
- Kuksa V. I. and Gargopa Y. M. 2004. Modern evaluation of the hydrological conditions of the Azov Sea biological production forming. *Water resources.. Volume 31, №4. P. 489–497.*
- La Fuente, J. G., Delgado, J., Vargas, J. M., Vargas, M., Plaza, F. and Sarhan, T. 2002. Low-frequency variability of the exchanged flows through the Strait of Gibraltar during CANIGO. *Deep-Sea Research II* 49, 4051–4067.
- La Violette, E.P., 1990. The Western Mediterranean Circulation Experiment (WMCE). *J. Geophys. Res.* 95 (C2), 1511 –1635.
- Lacombe, H. and P. Tchernia, 1958. Température et salinité profondes en Méditerranée en période d' été (fin juin – octobre). *Bulletin information comité central d' océanographie et d' étude des côtes*, 10.
- Lacombe, H. and P. Tchernia, 1960. Quelques traits généraux de l' hydrologie Méditerranéenne. *Cahiers océanographiques*, 20, 8, 528-547.
- Lacombe, H. and Tchernia, P., 1974. Les zones de formation d'eau profonde océanique, caractères, processus, problèmes. *Colloq. Int. C.N.R.S., Processus de formation des eaux profondes*, No. 215, pp. 249– 262.
- Lacombe, H., and Tchernia, P. 1972. Caractères hydrologiques et circulation des eaux en Méditerranée. In D. Stanley (Ed.), *Mediterranean Sea* (pp. 25–36). Stroudsburg: Dowden, Hutchinson and Ross.
- Lacombe, H. and C. Richez 1982. The regime of the Strait of Gibraltar, in *Hydrodynamics of Semi-enclosed Seas*, edited by J. C. J. Nichol, pp. 13–74, Elsevier Sci., New York.
- Lacombe, H., P. Tchernia and G. Benoist, 1958. Contribution à l' étude de la Mer Egée en période d' été. *Bull. Inf. COEC X*, 8, 454-468.
- Lacombe, H., Tchernia, P. and Gamberoni, L., 1985. Variable bottom water in the western Mediterranean Basin. *Progress in Oceanography*, 14, 319–338.
- Ladoukakis E.D., Saavedra C., Magoulas A. and Zouros E. 2002. Mitochondrial DNA variation in a species with two mitochondrial genomes: the case of *Mytilus galloprovincialis* from the Atlantic, the Mediterranean and the Black Sea. *Molecular Ecology* 11:755-769
- Lafargue F., Tursi A. 1975. Contribution a la connaissance des Didemnidæ (Ascidies composées) des côtes des Pouilles (Mer Jonienne et Mer Adriatique). *Vie et Milieu*, XXV,IB, pp. 33-47.
- Lampert C., van Gils J., Zessner M. and Kroiss H. 2004. Anthropogenic and natural impacts on the Si-flows in the Danube catchment and the Western Black Sea, European Conference on

- Coastal Zone Research: an ELOISE Approach, Portoroz, Slovenia, Book of Abstracts, European Land Ocean Interaction Studies (ELOISE), S. 63.
- Lancelot, C. L., J. V. Staneva, D. Van Eeckhout, J.-M. Beckers and E. V. Stanev 2002. Modelling the Danube-influenced North-western continental shelf of the Black Sea. Ecosystem response to changes in nutrient delivery by the Danube River after its damming in 1972. *Estua. Coast and Shelf Sci.*, 54, 473-499.
- Lancelot, C., J.M. Martin, N. Panin and Y.Zaitsev, 2002. The North-western Black Sea : A pilot sight to understand the complex interaction between human activities and the coastal environment. *Estuarine Coastal and Shelf Science*, 54, 3, 279-284.
- Larnicol G., LeTraon P.Y., Ayoub N. and DeMey P., 1995. Mean sea level and surface circulation variability of the Mediterranean Sea from 2 years of TOPEX/POSEIDON altimetry. *J. Geophys. Res.*, 100 (C12): 25163-25177.,
- Larnicol, G., Ayoub, N. and Le Traon, P. Y. 2002. Major changes in Mediterranean Sea level variability from 7 years of TOPEX/POSEIDON and ERS-1/2 data. *Journal of Marine Systems*, 33–34, 63–89.
- Larwood, H.J.C.1954. LXIX. Crustacea Tanaidacea and Isopoda from the Suez Canal. *Ann. Mag. Nat. Hist. London (Ser.12)*, 7(80): 561-577.
- Lascaratos, A. 1993. Estimation of deep and intermediate water mass formation rates in the Mediterranean Sea. *Deep-Sea Research II*, 40, 1327–1332.
- Lascaratos, A., 1992. Hydrology of the Aegean Sea. In: Winds and currents of the Mediterranean Basin, ed. H. Charnock, NATO Advanced Science Institute: atmospheric and oceanic circulation in the Mediterranean Basin, Reports in Meteorology and Oceanography, Harvard University no. 40, 1, 314-334.
- Lascaratos, A., E. Salusti and G. Papageorgaki, 1989, Wind induced upwelling and currents in the gulfs of Patras, Nafpaktos and Korinthos, Western Greece, *Oceanol. Acta*, 12, 159-164.
- Lascaratos, A. and Nittis, K. 1998. A high resolution 3-D numerical study of intermediate water formation in the Levantine Sea. *Journal of Geophysical Research*, 103, 18497–18511.
- Lascaratos, A., Roether, W., Nittis, K. and Klein, B., 1999. Recent changes in deep water formation and spreading in the Mediterranean Sea: a review. *Progress in Oceanography* 44 (1–3), 5 – 36.
- Lascaratos, A., Williams, R. and Tragou, E. 1993. A mixed layer study of the formation of Levantine intermediate water. *Journal of Geophysical Research*, 98, 739–749.
- Latif, M.A., E. Ozsoy, T. Oguz and U.Unluata, 1991. Observations of the Mediterranean inflow into the Black Sea.*Deep-Sea Res.*, 38, Suppl.2, S711-S723.
- Lausi D., Cristofolini G., Tarabocchia M. and De Cristini P. 1967. Attività fotosintetica di alghe marine nella Grotta delle Viole (Isola S. Domino-Tremiti). *Giornale Botanico italiano*, 101. pp. 167-178.
- Le Vourch, J., Millot, C., Castagné, N., Le Borgne, P. and Olry, J. P. 1992. Atlas of thermal fronts of the Mediterranean Sea derived from satellite imagery. *Mémoires de l'Institut Océanographique*, Monaco, 16.
- Leaman, K.D. and Schott, F.A., 1991. Hydrographic structure of the convection regime in the Gulf of Lions: winter 1987. *Journal of Physical Oceanography*, 21, 575–598.
- Lepore E. and Gherardi M. 1977. Osservazioni sul fouling del porto di Brindisi (Adriatico meridionale). *Oebalia III*, pp. 65-84.
- Lepore E. and Gherardi M. 1976. Osservazioni sugli Anellidi Policheti del nuovo porto di Taranto. *Oebalia II(1)*, pp. 121-129.
- Leppakoski, E. and Mihnea, P.E., 1996. Enclosed seas under man-induced change: A comparison between the Baltic and Black Seas. *Ambio*, 25, 380-389.
- Lermusiaux, P. F. J.,and Robinson, A. R. 2001. Features of dominant mesoscale variability, circulation patterns and dynamics in the Strait of Sicily. *Deep-Sea Research I*, 48(9), 1953–1997.

- Lerner-Seggev, R. 1972. Contributions of the knowledge of Suez Canal migration: Ostracoda of the Suez Canal. Israel J. Zool. 21: 239-248.
- Lewinsohn, Ch. and B.S. Galil. 1982. Notes on species of *Alpheus* (Crustacea, Decapoda) from the Mediterranean coast of Israel. Quaderni Lab. Tecnol. Pesca Ancona 3(2-5): 207-210.
- Li, K.W., Zohary, T., Yacobi, Y.Z. and Wood, A.M., 1993. Ultraphytoplankton in the eastern Mediterranean Sea: towards deriving phytoplankton biomass from flow cytometric measurements of abundance, fluorescence and light scatter. Marine Ecology Progress Series 102, 79-87.
- Licciano M., Caforio S. e Giangrande A. 2002. Anellidi policheti come indicatori di qualità ambientale. In: Le ricerche Scientifiche: Ambiente, Energia, Innovazione tecnologica, sanità. Progetto Interreg II Italia-Grecia. Pensa ed.: 35-47.
- Lipiatou, E., Heussner, S., Mosetti, R., Tintore', J. and Tselepidis, A. (Eds.), 1999. Progress in oceanography of the Mediterranean Sea. Spec. Issue, Prog. Oceanogr., vol. 44, p. 468.
- Lipkin, Y. 1972. Contributions to the knowledge of Suez canal migration. Marine algal and sea-grass flora of the Suez canal. Israel J. Zool. 21: 405-446.
- Lipkin, Y. 1975. *Halophila stipulacea*, a review of a successful immigration. Aquat. Bot. 1: 203-215.
- Lipskaya, N.Ya. and Luchinskaya, T.N. 1990. The biology of jelly-fish-*Mnemiopsis*. Rybnoe Hozyaistvo. 9, 36-38 (in Russian).
- Longo, A., M. Manzo and S. Pierini, 1992. A model for the generation of nonlinear internal tides in the Strait of Gibraltar, Oceanol. Acta, 15, 233-243.
- López-López A., Bartual S.G., Stal L., Onyshchenko O. and Rodríguez-Valera F. 2005. Genetic analysis of housekeeping genes reveals a deep-sea ecotype of *Alteromonas macleodii* in the Mediterranean Sea. Environmental Microbiology 7:649-659
- Lourie, A. and Ben-Tuvia, A. 1970. Two Red Sea fishes, *Pelates quadrilineatus* (Bloch) and *Crenidens crenidens* (Forsskal) in the Eastern Mediterranean. Israel J. Zool. 19(4): 203-207.
- Lundberg B. and Lipkin Y., 1993. Seasonal grazing site and fish size effects on pattern of algal consumption by the herbivorous fish, *Siganus rivulatus*, at Mikhamoret (Mediterranean, Israel). Natural Science and Technology, 27: 413-419.
- Lundberg, B. and Golani, D. 1995. Diet adaptation of Lessepsian migrant rabbitfishes. *Siganus luridus* and *S. rivulatus*, to the algal resources of the Mediterranean coast of Israel Mar. Ecol. 16: 73-89.
- Lundberg, B., Payiatis, G. and Argyrou, M. 1999. Notes on the diet of the Lessepsian migrant herbivorous fishes, *Siganus luridus* and *S. rivulatus*, in Cyprus. Israel J. Zool. 45(1): 127-134.
- Lundberg, B., R. Ogorek, B.S. Galil and M. Goren, 2004. Dietary choices of siganid fish at Shiqmona reef, Israel. Israel J. Zoology 50: 39-53.
- Lykousis, V., G. Chronis, A. Tselepidis, N. B. Price, A. Theocharis, I. Sikou-Frangou, F. Van Wambeke, R. Danovaro, S. Stavrakakis, G. Duineveld, D. Georgopoulos, L. Ignatiades, A. Souvermezoglou and F. Voutsinou-Taliadouri, 2002. Major outputs of the recent multidisciplinary biogeochemical researches undertaken in the Aegean Sea. Journal of Marine Systems, 33-34, 313-334.
- Lykousis, V., Theocharis, A., Krassakopoulou, E., Price, B., Pates, J., Christaki, U., Giannakouru, A., Van Wanbeke, F., Christou, E., Siokou, I., Zervoudaki, S., Gotsis-Skreta, O., Pagou, K., Bouloubassi, I., Polychronaki, T., Podaras, I., Lampadariou, N., Marrale, D. and Masque, P., 1999. MTP-II MATER Transmediterranean cruise (June 99). Proc., 4th MTP-MATER Workshop, Perpignan, 28– 30 October. Presses Littéraires, Saint Estève, France, pp. 141– 142.

- Macdonald, A., J. Candela and H. L. Bryden, 1994. An estimate of the net heat transport through the Strait of Gibraltar. In: La Violette, P. E. (Ed.), Coastal Estuarine Studies, 46, 13-32, AGU, Washington, D. C.
- MacDonald, R. 1933. An examination of plankton hauls made in the Suez Canal during the year 1928. Notes Mem. Fish. Res. Div. Cairo 3: 1-8.
- Macrì G. 1981. Molluschi del porto di Otranto. Carta biocenotica. Thalassia Salentina, 11: 121-131
- Madec, G., M. Chartier, and M. Crepon, 1991. The effect of thermohaline forcing variability on deep water formation in the Western Mediterranean Sea: a high-resolution three-dimensional numerical study, *Dyn. Atmos. Oceans*, 15, 301-332.
- Maderich V. 1998. Modelling of the Mediterranean System: Changes under Climate Variations and Man-made Impact. *J. Environmental Modeling and Software*, 13 (5-6), 405-412
- Maderich V., 1999. Reconstruction and prediction of the radionuclide transport in the Mediterranean seas chain. *J. Environmental Radioactivity*, 43, No.2, 205-219.
- Maderich V. and Konstantinov S. 2002. Seasonal dynamics of the system sea-strait: Black Sea-Bosphorus case study. *Estuarine, Coastal and Shelf Sciences*, 55, 183-196.
- Maderich V.S. and Efroimson V.O. 1986. The simple model of the sea with strait. *Oceanology*, 36, no. 3 p.402-408.
- Magni, P., Malej, A. and Moncheva, S. 2004. Common discussion and synthesis: summary, in: Magni, P. et al. (Ed.) (2004). Electronic conference on 'The Southern and Eastern Mediterranean Sea and the Black Sea: new challenges for marine biodiversity research and monitoring': summary of discussions, 6 - 24 September, 2004. pp. 100-102
- Magoulas A., Tsimenides N. and Zouros E. 1996. Mitochondrial DNA phylogeny and the reconstruction of the population history of a species: The case of the European anchovy (*Engraulis encrasicolus*). *Molecular Biology and Evolution* 13:178-190
- Maillard, C., Balopoulos, E., Fichaut, M., Giorgetti, A., Iona, A., Latrouite, A. and Manca, B. 2001. Mater Data Manual Version 3, Vol. 1: Data Management Structure, Inventories, Formats and Codes, Quality Assurance. Rap. Int. IFREMER/TMSI/IDM/ SISMER/01-058, 67 pp.
- Maillard, C. and Fichaut, M., MEDAR/MEDATLAS Group, 2001. MEDAR-MEDATLAS Protocol (V3) Part I: Exchange Format and Quality Checks for Observed Profiles; Rap. Int. IFREMER, Brest. TMSI/IDM/SISMER/SIS00-084.
- Majarova A.A. 1934. A taxonomic position of the anchovy fished out off Georgia. Trudy Nauch. Ryb. Stant. Gruzii 1:7-19 (in Russian)
- Majarova A.A. 1951. Biology and fishery of the Black Sea anchovy. Simferopol. (in Russian)
- Majarova A.A. and Chugunova M.I. 1954. Biology, distribution and estimate of productivity on Black Sea anchovy. *Proc. Azov-Black Sea Mar. Sc.i Res. Inst. Fish. Oceanogr.* 28:5-33
- Malanotte-Rizzoli, P. 1991. The Northern Adriatic Sea as a prototype of convection and water mass formation on the continental shelf. In: Chu, P.C., Gassard, J.C. (Eds.), Deep Convection and Deep Water Formation in the Oceans. Elsevier Oceanogr. Ser. 57, pp. 229-239.
- Malanotte-Rizzoli, P. and A. Bergamasco, 1989, The circulation of the Eastern Mediterranean (Part I), *Oceanol. Acta*, 12, 335-351.
- Malanotte-Rizzoli, P. and A. Bergamasco, 1991, The wind and thermally driven circulation of the Eastern Mediterranean Sea. Part II: the baroclinic case, *Dyn. Atmos. Oceans*, 15, 355-419.
- Malanotte-Rizzoli, P. and Hecht, A. 1988. Large-scale properties of the eastern Mediterranean: A review. *Oceanologica Acta*, 11, 323-335.
- Malanotte-Rizzoli P., Manca B. B., Ribera D' Alcala M., Theocharis A, Brenner S, Budillon G. and Özsoy E. 1999. The eastern Mediterranean in the 80s and in the 90s: the big transition in the intermediate and deep circulations. *Dynamics of Atmospheres and Oceans*, 29, 365-395.

- Malanotte-Rizzoli, P., Manca, B. B., Ribera D' Alcala, M., Theocharis, A., Bergamasco, A., Bregant, D., Budillon, G., Civitarese, G., Georgopoulos, D., Michelato, A., Sansone, E., Scarazzato, P. and Souvermezoglou, E. 1997. A synthesis of the Ionian hydrography, circulation and water mass pathways during POEM—Phase I. *Progress in Oceanography*, 39, 153–204.
- Malashev, V.I. and Archipov, A.G., 1992. The Ctenophore *Mnemiopsis leidyi* in the West Part of the Black Sea. *Hydrobiologia Journ. IBSS*, 28/1, 34-39 (in Russian).
- Manca, B., A. Theocharis, S. Brenner, H. Kontoyiannis and E. Sansone, 1999. Water masses and transports between the Aegean and Levantine basins during LIWEX '95, NATO Science Series - Environmental Security: The Eastern Mediterranean as a laboratory Basin for the Assessment of Contrasting Ecosystems, 51, Kluwer Academic Publishers, 483-494.
- Manca, B., Burca, M., Giorgetti, A., Coatanoan, C., Garcia, M.-J. and Iona, A. 2004. Physical and biochemical averaged vertical profiles in the Mediterranean regions: an important tool to trace the climatology of water masses and to validate incoming data from operational oceanography. *Journal of Marine Systems*, 48, 1-4, 83-116.
- Manca, B. and Giorgetti, A., 1998. Thermohaline properties and circulation patterns in the Southern Adriatic Sea from May 1995 to February 1996. In: Piccazzo, M. (Ed.), *Atti 12° Congr. Associazione Italiana di Oceanologia e Limnologia, Isola di Vulcano*, 1996, vol. II, A.I.O.L., Genova, pp. 399– 414.
- Manca, B.B., Kovacevic, V., Gacic, M. and Viezzoli, D., 2002. Dense water formation in the Southern Adriatic sea and spreading into the Ionian Sea in the period 1997– 1999. *Journal of Marine Systems*, 33–34, 133–154.
- Mankovski, 1996 Mankovsky V. I., V. L. Vladimirov, E. I. Afonin, A. V. Mishonov, M. V. Solov'ev, B. E. Anninsky, L. V. Georgievna and O. A. Yunev 1996. Long-term variability of the Black Sea water transparency and factors determined its strong decrease in the late 1980s early 1990s. ECOSI-Gidrofizika, Sevastopol.
- Manzella, G. M. R., Cardin, V., Cruzado, A., Fusco, G., Gacic, G. and Galli, C. 2001. EU-sponsored eVort improves monitoring of circulation variability in the Mediterranean. *EOS, Transactions, AGU*, 82(43), 497–504.
- Marano G. Vaccarella R. Amato E. DeZio V. Rositani L. and Pastorelli A.M. 1992. Indagini preliminari sul parco marino delle isole Tremiti. *Oebalia*, Vol. 17 pp. 509-515
- Marano G., Bello G., Pastorelli A. M. and Motolese G. 1982. Ottopodi dell'Adriatico pugliese (Mollusca, Cephalopoda). *Naturalista sicil.*, S. IV, VI (Suppl.), 1, pp. 132-133.
- Marano G., Casavola N., Paparella P., Rizzi E., De Zio V., Martino G., Rositani L. and Sgobba A. 1992. Monitoraggio dell'Adriatico pugliese: nota preliminare. Conferenza Internazionale su "Problemi Ambientali e Sanitari di Suolo ed Acque Costiere nell'Area Mediterranea", Napoli 1992, pp. 96.
- Marano G., Casavola N., Saracino C. and Rizzi E. 1990. Ciclo riproduttivo di *Lithophaga lithophaga* (L.) (Mollusca: Mitilidae) nell'Adriatico pugliese. *Oebalia*, Suppl., Vol. XVI-2, pp. 697-699.
- Marano G., Casavola N., Vaccarella R., Bello G., De Martino L., Pastorelli A.M. and Rizzi E. 1985. Banchi naturali a Bivalvi del litorale pugliese: classificazione delle acque 1984. *Oebalia*, 11(3), N.S.: pp.887-889.
- Marano G., Pastorelli A.M., and Ungaro N. 1998. Canale d'Otranto ambiente e comunità biologiche. *Biologia Marina Mediterranea*, vol.5 fasc.1 1998 parte 1 pp. 1-11
- Marano G. and Vaccarella R. 1970. Fauna sessile delle foglie di *Posidonia oceanica* (L.). *Pubbl. Staz. Zool. Napoli*, Vol. 38, suppl.I, pp. 45-50.
- Marano G., Vaccarella R. and Casavola N. 1977. Bacino portuale di Bari - Nota 1. Comunità bentoniche. Atti V Simposio Nazionale sulla Conservazione della Natura, Bari 1975, Vol. II, pp. 411-430.

- Marano G., Vaccarella R., Iaffaldano D. and Bello G. 1976. Bacino portuale di Bari: comunità del bentos sessile. *Oebalia*, Vol. 2(2), pp. 55-70.
- Marano G., Vaccarella R. and Pastorelli A. M. 1996. Raccolta di *Lithophaga lithophaga* (L.) e degrado costiero. *Biologia Marina Mediterranea* 3(1), pp. 246-251.
- Marano G., Vaccarella R., Pastorelli A. M. and Rositani L. 1980. Osservazioni sul popolamento a *Mytilus galloprovincialis* Lam. nel Porto di Bari. *Oebalia*, Vol. VI, pp. 41-51.
- Marano G., Vaccarella R., Pastorelli A. M. and Rositani L. 1995. Raccolta e consumo degli Echinodermi in Puglia. *Biologia Marina Mediterranea*, 2(2), pp. 393-394.
- Marcus, N.H. and F. Boero, 1998. Mini-review: The importance of benthic-pelagic coupling and the forgotten role of life cycles in coastal aquatic systems. *Limnol. Oceanogr.* 43 5: 763-768.
- Marcuzzi G. and Dalla Venezia L. 1970. Osservazioni biocenologiche sulla malacofauna pugliese. *Archivio Botanico e Biogeografico Italiano*, pp. 2-8.
- Margat J., 1992: L'eau dans le bassin méditerranéen. Vol.6, Economica, 196pp.
- Mariotti, A., M. V. Struglia, N. Zeng and K.-M. Lau, 2002: The Hydrological Cycle in the Mediterranean Region and Implications for the Water Budget of the Mediterranean Sea. *J. Climate*, 15, 1674 - 1690.
- Marsigli, L.F. (1681). Osservazioni Intomo al Bosforo Tracio o vero Canale di Constantinopoli rappresentate in lettera alla Sacra Real Maesta di Cristina Regina di Svezia Nicolb Angelo Tinassi, Rome. Reprinted in: *Bollettino di pesca, di piscicoltura e di idrobiologia*. Anno XI, Fast. 5, Settembre-Ottobre 1935, 734-758.
- Martin, J.M. and Milliman, J.D. 1997. EROS 2000 European River Ocean System . The western Mediterranean: an introduction. *Deep-Sea Research*, 44, 521–529.
- Marullo, S., Santoleri, R., Malanotte-Rizzoli, P. and Bergamasco, A., 1999a. The sea surface temperature field in the Eastern Mediterranean from advanced very high resolution radiometer AVHRR data - Part I. Seasonal variability. *Journal of Marine Systems*, 20, 63–81.
- Marullo, S., Santoleri, R., Malanotte-Rizzoli, P. and Bergamasco, A. 1999b. The sea surface temperature Weld in the Eastern Mediterranean from the advanced very high resolution radiometer (AVHRR) data Part II. Interannual variability. *Journal of Marine Systems*, 20, 83–112.
- Mastrototaro F., Matarrese A. and Tursi A. 2002. Un mare di coralli in Mar Ionio. *Biologia Marina Mediterranea*, vol.8 fasc.1 2002 parte 2 pp. 616-619
- Mastrototaro F. and Tursi A. 2001. Ascidiacei del fondo a *Cladophora* della riserva marina di Porto Cesareo (Le). *Biologia Marina Mediterranea*, vol.8 fasc.1 2001 parte 2 pp. 613-616
- Matarrese A., D'Onghia G., Panetta P. and Tursi A. 1990. Le biocenosi dei fondi strascicabili del Mar Jonio. *Oebalia*, Suppl., Vol. XVI-2, pp. 701-704.
- Matarrese A., Panza M., Mastrototaro F. and Costantino G. 2000. Preliminare rappresentazione cartografica dei fondali dell'arcipelago delle isole Tremiti (Mar Adriatico). *Biologia Marina Mediterranea*, Vol.7 fasc.1 2000 parte 2 pp. 590-593
- Matarrese A., Sciscioli M. and Tursi A. 1982. Aspetti biocenotici dell'inquinamento cloacale del Mar Grande di Taranto. Atti VIII Simposio Nazionale sulla Conservazione della Natura, Bari 1979, pp. 71-78.
- Matarrese A., Tursi A. and Scalera Liaci L. 1980. Fenomeni d'insediamento di alcuni Ascidiacei presenti nel Mar Piccolo di Taranto. *Oebalia*, VI, pp. 53-62.
- Matarrese A., Tursi A., Scalera Liaci L., Montanaro C. and Cecere E. 1980. Variazioni di biomassa nell'Ascidiofauna presente sui substrati duri del Mar Piccolo di Taranto. *Oebalia*, VI, pp. 63-79.
- Matishov G. G., Abramenko M. I., Gargopa Y. M., andBufetova M. V. 2003. The newest ecological phenomena in the Azov Sea (last half of 20th century). Apatiti: KSC RAS Publishers. 441 p.

- Matishov G. G. and Gargopa Y. M. 2003. Conjugacy of the long-term fluctuations of the hydrometeorological conditions and biological production of the Azov Sea. Reports of RAS. Volume 388. 1. Oceanology. P.113-115.
- Matishov G. G. and Gargopa Y. M. 2003. Modern peculiarities of the hydrometeorological conditions of the Azov Sea biological production forming. Reports of RAS. April. Volume 389. 4. Geography. P.535-537.
- Maximenko, N. A., P. P. Niiler, A. L. Sybrandy and A. I. Kharlamov, 1993. Drifter experiment in the Black Sea. Oceanology (English Translation), 33, 445–449,
- May, P. W., 1982. Climatological flux estimates in the Mediterranean Sea: Part 1. Winds and wind stresses, Naval Ocean research and Development Activity, Rep. 54, NSTL Station, Mississippi, 53 pp.
- May, P. W. 1983. Climatological flux estimates in the Mediterranean Sea, Part 2. Air-sea fluxes, Naval Ocean research and Development Activity, Rep. 58, NSTL Station, Mississippi, 65 pp.
- Mayewski, P.A., Meeker, L.D., Twickler, M.S., Whitlow, S., Yang, Q., Lyons, W.B. and Prentice, M., 1997. Major features and forcing of high-latitude northern hemisphere atmospheric circulation using a 110,000-year-long glaciochemical series, Journal of Geophysical Research 102, 26345-26366.
- Mazzocchi M.G., Christou E.D., Fragopoulou N. and Siokou-Frangou I. 1997. Mesozooplankton distribution from Sicily to Cyprus (Eastern Mediterranean): I. General aspects. Oceanologica Acta, 20 (3): 521-535.
- McGill, D.A., 1965. The relative supplies of phosphate, nitrate and silicate in the Mediterranean Sea. Comm. Int. Expl. sci. Mer. Medit., Rapp. et P.V. Reunions 18, 737-744.
- McGill, D.A., 1969. A budget for dissolved nutrient salts in the Mediterranean Sea. Cahiers Oceanographiques 21, 543-554.
- MEDAR Group, 2002. MEDATLAS 2002 Mediterranean and Black Sea database of temperature, salinity and biochemical parameters climatological atlas, 4 CD-ROM. European Commission Marine Science and Technology Programme (MAST). Ed. IFREMER (sismar@ifremer.fr), Brest. 1997.
- MEDATLAS Group, 1997. MEDATLAS 1997 database and climatological atlas of temperature and salinity. Three CD-ROMs and WWW server, IFREMER Ed.
- MEDOC Group, 1970. Observation of formation of deep water in the Mediterranean Sea, 1969. Nature 227, 1037– 1040.
- Mee, L., 1992. The Black Sea in crisis: A need for concerted international action/ AMBIO, vol. 21, 4, 278-286
- Mee L. and G. Topping, 1999. Black Sea pollution assessment. Black Sea environmental series, Vol.10, UN Publications, NY.
- Mee L. and R. Mihnea, 2002. Eutrophication in the Black Sea. Uncertainties and adaptive management. II Int. Conference “Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins”, 14-18 October, 2002, Ankara, Turkey.
- Mercurio M., Scalera Liaci L. and Corriero G. 2001. La fauna a poriferi del bacino La Strea di Porto Cesareo (Le). Biologia Marina Mediterranea, vol.8 fasc.1 2001 parte 1 pp. 403-412
- Mertens C. and F. Schott, 1998. Interannual variability of deep water formation in the Northwestern Mediterranean Sea. J. Phys. Oceanogr.28, 1410-1424.
- Michelato, A. and V. Kovacevic, 1991. Some dynamic features of the flow through the Otranto Strait, Boll. Oceanol. Theor. Applic., 9, 39-51.
- Miglietta A., Belmonte G. and Grasso M. 1994. Rapporto preliminare sull'introduzione di *Tapes philippinarum* (Bivalva, Veneridae) nel lago salmastro di Acquatina (Basso Adriatico). Thalassia Salentina 20, pp. 61-66.

- Miglietta, M.P., L. Della Tommasa, F. Denitto, C. Gravili, P. Pagliara, J. Bouillon and F. Boero, 2000. Approaches to the ethology of hydroids and medusae (Cnidaria, Hydrozoa). In: C.E. Mills, F. Boero, A. Migotto and J.M. Gili, eds., Trends in Hydrozoan Biology - IV. Sci. Mar. 64 Supl. 1: 63-71.
- Mihnea, P.E., 1984. Phytoplankton indicator species-effect of pollution on phytoplankton species. Rapp. Comm. Int. Mer. Medit. 29, 9, 85-88.
- Mihnea, P.E., 1986. The optical aspects of marine eutrophicated sea water and the phytoplanktonic organic carbon. Pontus euxinus, III, 53-61.
- Mihnea, P.E., 1997. Major shifts in the phytoplankton community (1980-1994) in the Romanian Black Sea. Oceanologica Acta, 20, 119-129.
- Mikaelyan A, G.Ludmila, L.Senichkina, T. Zavyalova and D. Altuchov, 2002. Influence of mesoscale dynamics on phytoplankton communities in the Black sea. Ankara
- Mikaelyan, A. S. 1996. Winter bloom of diatom *Nitzschia delicatissima* in the open waters of the Black Sea, Mar. Ecol. Progr. Ser., 129, 241-251.
- Mikaelyan, A. S. 1997. Long term variability of phytoplankton communities in open Black Sea in relation to environmental changes. *In press* Sensitivity to Change: Black Sea, Baltic Sea and North Sea ed. E. Ozsoy and A. Mikaelyan, NATO ASI Series, 2. Environment - Vol. 27, pp. 105-116, Kluwer Academic Publishers, London.
- Mikaelyan, A. S., G. A. Belyaeva, L. V. Georgieva, T. A. Zav'yalova and L. G. Senichkina, 2002. Influence of mesoscale dynamics on the Black Sea phytoplankton community. Multi-disciplinary investigations of the north-east part of the Black Sea (A. Zatsepin and M. Flint -eds.), NAUKA, Moscow, 248–256, (in Russian).
- Miller, A. R., 1963. Physical oceanography of the Mediterranean Sea: a discourse, Extrait des Rapports et Proces-Verbaux des Reunions de la CIESM, 17, 857–871
- Miller, A.R., 1974. Deep convection in Aegean Sea. *In:* Processus de formation des eaux oceaniques profondes, en particulier en Mediterranee Occidentale, Colloques Internationaux du CNRS, 215, 155–163, 1974.
- Miller, A.R., Tchernia, P., Charnock, H. and Mc Gill, D.A., 1970. Mediterranean Sea Atlas of temperature, salinity, oxygen profiles and data from cruises of R.V. Atlantis and R/V chain with distribution of nutrient chemical properties. Woods Hole Oceanographic Institution Atlas Series, Vol. 3. Woods Hole Oceanographic Instit., Woods Hole, MA.
- Miller, L. and B.C. Douglas, 2004. Mass and volume contributions to twentieth-century global sea level rise, Nature, 428, (6981), 406 – 409.
- Millot, C., 1991. Mesoscale and seasonal variabilities of the circulation in the western Mediterranean. Dyn. Atmos. Ocean. 15, 179–214.
- Millot, C. 1992. Are there major differences between the largest Mediterranean Seas? A preliminary investigation. Bulletin de l' Institut Océanographique, Monaco, 11, 3–25.
- Millot, C., 1995. PRIMO-0 and related experiments. Oceanol. Acta 18, 137–138. 15, 215–240.
- Millot, C., 1999. Review paper circulation in the Western Mediterranean Sea. J. Mar. Syst. 20, 423–442.
- Millot, C., Benzohra, M. and Taupier-Letage, I. 1997. Circulation of Algeria inferred from the mediprod-5 current meters. Deep Sea Research, 44(9), 1467–1495.
- Millot, C. and I. Taupier-Letage, 2005. Additional evidence of LIW entrainment across the Algerian subbasin by mesoscale eddies and not by a permanent westward flow. Progress in Oceanography, *in press*.
- Millot, C. and Taupier-Letage, I., 2005. Circulation in the Mediterranean Sea. Handbook of environmental chemistry (Vol. 1). The Natural Environment and the Biological Cycles., *in press*.
- Minicheva G.G., 1993. Structure-functional peculiarities of macrophytobenthic communities formation. Algology, vol.3., 1,3-12.(in Russian).

- MODB Group (The), 1996. Climatological Atlas of the Mediterranean Sea. Scientific Report of the MAST-MODB initiative for ocean data and information management, Contr. No. MAS2.0093.0075. BE, University of Liège, Liège.
- Molcard, A., Gervasio, L., Griffa, A., Gasparini, G. P., Mortier, L. and Özgökmen, T. 2002. Numerical investigation of the Sicily Channel dynamics: density current and water mass advection. *Journal of Marine Systems*, 36(3–4), 219–238.
- Molcard, A., N. Pinardi, M. Iskandarani and D. B. Haidvogel, 2002. Wind driven general circulation of the Mediterranean Sea simulated with a Spectral Element Ocean Model, *Dyn. Atmos. Oceans*, 35, 97-130.
- Möller, L. 1928. Alfred Merz' hydrographische untersuchungen in Bosphorus und Dardanellen. Veroff. Inst. Meerskunde Univ. Berlin. Neue Folge, A., 18, 284 pp
- Monaco, A. and Peruzzi, S., 2002. The Mediterranean targeted project MATER—a multiscale approach of the variability of a marine system—overview. *J. Mar. Syst.* 33–34, 3 – 21.
- Moncheva, S. 1991. On the Toxicity of *Exuviaella cordata* Ost. Blooming in Black Sea. *Rev. Internationale d’Oceanographie Medicale*, 101-102-103-104, 124-126.
- Moncheva, S. 1992. Cysts of blooming dinoflagellates from Black Sea. *Rapp. Comm. int Mer Medit*, 33, 261.
- Moncheva, S., 2004. Indicators of pollution of coastal and transitional waters. NATO ARW, Galati, Romania
- Moncheva S. and V. Doncheva, 2000. Eutrophication Index (TRIX) – an operational tool for Black Sea coastal water ecological quality assessment and monitoring. Collected papers SCSEIO - Int. Symposium "The Black Sea Ecological problems", Odessa/SCEIO, 2000.,178-185.
- Moncheva S., Dontcheva V., Shtereva G., Kamburska L., Ruseva D. and Gorinstein S., 2002. Application of eutrophication indices for assessment of the Bulgarian Black Sea coastal ecosystem ecological quality. *Water Science and Technology*, 46,8,19-28.
- Moncheva S., V. Doncheva and L.Kamburska, 2001. On the long-term response of harmful algal blooms to the evolution of eutrophication off the Bulgarian Black Sea coast: are the recent changes a sign of recovery of the ecosystem - the uncertainties. In: Proc., IX Int. Conf. on "Harmful Algal Blooms", Hobart, Tasmania; G.M.Hallegraff et al., Eds. (UNESCO-IOC, Paris, 2001), pp. 177-182.
- Moncheva S., V. Doncheva, G. Shtereva and L. Kamburska. 2002. Application of Eutrophication Indices for Assessment of the Bulgarian Black Sea Coastal Ecosystem Ecological Quality. *Water Science and Technology Water Science and Technology*, 46,8,19-28.
- Moncheva S., V. Doncheva, G. Stereva, A. Konsulov, E. Kozuharov, 1995. Phytoplankton in the particulate matter flux in Varna Bay (Black Sea) *Rapp. Comm.int.Mer.Medit.*, 34, 123.
- Moncheva S., Sh. Gorinstein, G. Shtereva, E. Katrich, F. Toledo, P. Arancibia, I. Goshev and S. Trakhtenberg, 2003. Biomass, protein –and carbohydrate composition of phytoplankton in Varna Bay, Black Sea. *Hydrobiologia*, 501: 23-28.
- Moncheva S., Sh. Gorinstein, G. Shtereva, E. Katrich, F. Toledo, P. Arancibia, I. Goshev and S. Trakhtenberg, 2003. Seasonal variability of phytoplankton in Varna Bay. *Phytochemical Analysis*, 14, 245-250.
- Moncheva S., O. Gotsis-Skretas, K. Pagou and A. Krastev, 2001. Phytoplankton blooms in Black Sea and Mediterranean coastal ecosystems subjected to anthropogenic eutrophication: similarities and differences. *Estuarine Coastal and Shelf Science* , 53:281-295.
- Moncheva, S. and Kamburska, L, 2002. Black Sea plankton stowaways- why a crucial issue to safeguard Black Sea biodiversity, CIESM Workshop Monographs no 20, 136 pp, Monaco.
- Moncheva S. and A. Krastev. 1997. Some aspect of phytoplankton long-term alterations off Bulgarian Black Sea shelf. In: E. Ozsoy, A. Mikhaelian [ed.] *Sensitivity to Change: Black Sea, Baltic Sea and North Sea*. NATO ASI Series, 2.Environment - vol.27, Kluwer Academic Publ., 79 - 94.

- Moncheva S., V. Petrova-Karadjova and A. Palasov. 1995. Harmful Algal Blooms along the Bulgarian Black Sea Coast and Possible patterns of fish and zoobenthic mortalities. In: Harmful Marine Algal Blooms, P Lassus, G. Arzul, E. Denn, P. Gentien [eds], Lavoisier Publ. Inc., 193-198.
- Moncheva, S. and Velikova, V., 1999. Phytoplankton blooms - a key ecological problem of the Bulgarian Black Sea and possibilities for management. 46 p. (in Bulgarian and English).
- Montanaro C., Tursi A. 1983 Settlement of Bryozoans in the Mar Piccolo of Taranto (Southern Italy) from 1972 to 1982. Oebalia, IX, N.S., pp. 91-103.
- Moore, M.N., Lowe D.M., Wedderburn R.J., Wade T., Balashov G., and Moncheva S. 1999. International Mussel Watch (UNESCO/IOC) in the Black Sea: A pilot study for biological effects and contaminant residues. Environmental degradation of the Black Sea: Challenges and remedies. Sh. Besiktepe, U. Unluata and A. Bologa [eds], NATO Science Series, Kluwer Academic Publishers, 2. Environmental Security, vol.56, 273-290.
- Morcos, S. A. 1972. Sources of Mediterranean intermediate water in the Levantine Sea. In A. L. Gordon, Studies in physical oceanography (Vol. 2) (pp. 185–206). New York: Gordon and Breach.
- Morcos, S.A. 1967. The chemical composition of sea water from the Suez Canal region, Part I: the major anions. Kieler Meeresforsch. 23: 80-91.
- Morcos, S.A. 1980. Seasonal changes in the Suez Canal following its opening in 1869: newly discovered hydrographic records of 1870-1872. pp. 290-305. In: Sears, M., Merriman, D. (Eds.). "Oceanography: the Past ". Springer Verlag, New York.
- Mori M. and Cocito S. 1994. Notes on two crabs species collected on a coralligenous bottom of the Ionian Sea. Annali del Mus. Civ. St. Nat. "G. Doria", Vol. XC, pp. 1-7.
- Morozov, E. G., K. Trulsen, M. G. Velarde and V. I. Vlasenko 2002. Internal tides in the Strait of Gibraltar, J. Phys. Oceanogr., 32, 3193–3206.
- Morri C. 1980. Contributo alla conoscenza degli Idrozoi lagunari italiani: Idropolipi di alcune lagune pugliesi. Mem. Biol. Mar. Ocean., Suppl., Vol. X , pp. 419-420.
- Morselli I. and Mari M. 1980. Osservazioni su Alacaridi della Costa Jonica del Salento. Mem. Biol. Mar. Ocean., Suppl., Vol. X , pp. 421-422.
- Moscatello S., Belmonte G. and Mura G. 2001. The co-occurrence of *Artemia parthenogenetica* and *Branchinella spinosa* in a salt water pond of South Eastern Italy. Hydrobiologia, 486: 201-206
- Moscatello S. and Belmonte G. 2003. Zooplankton species composition and seasonal evolution in a hypersaline temporary pond of the Mediterranean coast (the "Vecchia Salina", Torre Colimena, SE Italy). Scientia Marina, 68 (Suppl. 1): 85-102.
- Moscatello, S., Rubino F., Saracino O.D., Fanelli G., Belmonte G. and Boero F., 2004. Plankton biodiversity around the Salento peninsula (South East Italy): an integrated water/sediment approach. Sci. Mar. 68 Suppl. 1: 85-102.
- Mosetti, F., 1983. Fundamental features of the Adriatic Sea hydrology. In: Universita' degli studi di Trieste (Ed.), Atti del convegno internazionale 'I problemi del mare Adriatico', Trieste, 26– 27 Settembre 1983. Universita' degli studi di Trieste, Trieste, pp. 209– 239.
- Motyzhev S. V., P.-M. Poulaing, A. G. Zatsepин, C. Fayos, A. G. Kostianoy, N. A. Maximenko, S. G. Poyarkov, D. M. Soloviev and S. V. Stanichny. 2000. New phase of drifter experiment in the Black Sea // *Global Drifting Buoy Observations-2000: A DBCP Implementation Strategy*. DBCP Technical Document Series, №16. WMO, Geneva.
- Mouneimne N. 1977. Liste des poissons de la cote du Liban (Méditerranée orientale). Cybium, 1: 37-66.
- Mouneimne N., 1979. Poissons nouveaux pour les cotes Libanaises. Cybium, 6: 105-110.
- Mounier, F., V. Echevin, L. Mortier and M. Crépon, 2005. Analysis of the mesoscale circulation in the occidental Mediterranean Sea during winter 1999–2000 given by a regional circulation model. Progress in Oceanography, in press.

- Moutin, T., Raimbault, P., Poggiale and J.-C., 1999. Production primaire dans les eaux de surface de la Méditerranée occidentale. Calcul de la production journalière. C. R. Acad. Sci. Paris 322, 651-659.
- Musco L., Cinar M.H. and Giangrande A. in press. A new species of *Sphaerosyllis* (Polychaeta: Syllidae: Exogoninae) from the coasts of Italy and Cyprus (eastern Mediterranean Sea). Italian Journal of Zoology.
- Musco L., Giangrande A. & Cavallo A. 2004. I Sillidi (Annelida, Polychaeta) del litorale brindisino: possibilità di un loro impiego come indicatori di qualità dell'ambiente. Thalassia Salentina, 27: 161-174.
- Musco L. and Giangrande A. in press. A new sponge-associated species, *Syllis mayeri* n.sp. (Polychaeta: Syllidae), with a discussion on the status of *S. armillaris* (Muller, 1776). Scientia Marina
- Mutlu, E., 1996. Distribution of *Mnemiopsis leidyi*, *Pleurobrachia pileus* (Ctenophora) and *Aurelia aurita* (Scyphomedusae) in the western and southern Black Sea during 1991-1995 period: Net sampling and acoustical application. Ph.D Thesis, Middle East Technical University, Turkey, 265 pp.
- Mutlu, E., 2002. Acoustical Implication and Innovations on the Distribution of a Copepod Species, *Calanus Euxinus*, in the Black Sea, 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey, p.136,
- Mutlu, E., Bingel, F., Gucu, A.C., Melnikov, V.V., Niermann, U., Ostr, N.A. and Zaika, V.E., 1994. Distribution of the new invader *Mnemiopsis* sp. and the resident *Aurelia aurita* and *Pleurobrachia pileus* populations in the Black Sea in the years 1991-1993. ICES Journal of Marine Science, 51, 407-422.
- Myers, P. G. and K. Haines, 2000. Seasonal and interannual variability in a model of the Mediterranean under derived flux forcing, J. Phys. Oceanogr., 30, 1069-1082.
- Myers, P. G. and K. Haines, 2002. Stability of the Mediterranean's thermohaline circulation under modified surface evaporative fluxes, J. Geophys. Res., 107, C3, 10.1029/2000JC000550.
- Myers, P. G., K. Haines and S. Josey, 1998. On the importance of the choice of wind stress forcing to the modeling of the Mediterranean Sea circulation, J. Geophys. Res., 103, 15729-15749.
- Nair, R., Dell'Amico, F., Rossi, G., Aliani, S., Di Rosa, G., Di Martino, G., Morgigni, M. and Gasparini, G.P., 1994. Hydrological and chemical fields in the Sicily – Sardinia opening, southern Tyrrhenian Sea. In: Albertelli, G., De Maio, A., Picazzo, M. (Eds.), XI Congresso AIOL. Associazione Italiana di Oceanografia e Limnologia, Genova, pp. 615– 624.
- Napolitano, E., G. Sannino, V. Artale and S. Marullo, 2003. Modeling the baroclinic circulation in the area of the Sicily channel: The role of stratification and energy diagnostics, J. Geophys. Res., 108(C7), 3230, doi:10.1029/2002JC001502.
- Nesterova, D. A. 1987. Peculiarities of phytoplankton successions in the northwestern part of the Black Sea, Hydrobiologichesky Zhurnai 23, No. 1, 16-21 (in Russian).
- Nesterova, D.A., 2001. Water bloom in the North-western part of the Black Sea (Review). Algologia, vol.11, 4:502-513 (In Russian)
- Nielsen, J. N., 1912. Hydrography of the Mediterranean and Adjacent Waters, in Report of the Danish Oceanographic Expedition 1908-1910 to the Mediterranean and Adjacent Waters, Volume 1, edited by J. Schmidt, pp. 72-191, Andr. Fred Høst and Søn, Copenhagen.
- Niermann U., Kideys A.E., Kovalev A.V., Melnikov V. and Belokopytov V., 1999. Fluctuations of pelagic species of the open Black Sea during 1980-1995 and possible teleconnections. In: Environmental Degradation of the Black Sea: Challenges and Remedies, NATO ASI Series, 2. Environmental Security, v. 56, S.Besiktepe, U.Unluata and A.Bologa, eds. (Kluwer Academic Publishers), 147-175.

- Niermann, U., Bingel, F., Gorban, A., Gordina, A.D., Gücü, A.C., Kideys, A.E., Konsulov, A., Radu, G., Subbotin, A.A. and Zaika, V.E., 1994. Distribution of anchovy eggs and larvae (*Engraulis encrasicolus* Cuv.) in the Black Sea in 1991-1992. ICES J. of Marine Science 51, 395-406.
- Niermann, U. and Greve, W., 1997. Distribution and fluctuation of dominant zooplankton species in the southern Black Sea in comparison to the North Sea and Baltic Sea. In: Sensitivity to Change: Black Sea, Baltic Sea and North Sea, E. Ozsoy and A. Mikaelyan (eds.), Kluwer Acad. Publ., pp.65-78.
- Niermann, U. and Kideys, A.E., 1995. Assessment of the Phyto-and Zooplankton investigations during the CoMSBlack 1993 and the joint TU-Black Sea-CoMSBlack cruises 1994 and future plans.- Report on the meeting of Biologists in Erdemli, Turkiye (20.Feb.- 3.March). Institute of Marine Science, Middle East Technical University, 33731 Erdemli, ICEL, Turkey: 100 pp.
- Niermann, U., Kideys, A.E., Kovalev, A.V., Melnikov, V.V. and Belokopytov, V. 1998.. Long-term fluctuation of the zooplankton of the open Black Sea in comparison to other regions of the world. In: Environmental Degradation of the Black Sea: Challenges and Remedies, Constanta, Romania, October 6-10, 1997, A. BOLOGA, editor, Kluwer Acad. Publ..
- Nikula R. and Väinölä R. 2003. Phylogeography of *Cerastoderma glaucum* (Bivalvia: Cardiidae) across Europe: a major break in the Eastern Mediterranean. Marine Biology 143:339-350
- Nittis, K., A. Lascaratos and A. Theocharis, 2003. Dense water formation in the Aegean Sea: Numerical simulations during the Eastern Mediterranean Transient. Journal of Geophysical Research, 108 C9, 8120, doi: 10.1029/2002JC001352, 2003.
- Nittis, K., C. Tziavos, I. Thanos, P. Drakopoulos, V. Cardin, M. Gacic, G. Petihakis and R. Basana, 2003. The Mediterranean Moored Multi-sensor Array (M3A): System Development and initial results, Annales Geophysicae, 21(1), 75-88.
- Nittis, K. and L. Perivoliotis, 2002. Circulation and hydrological characteristics of the North Aegean Sea: a contribution from real-time buoy measurements, Mediterranean Marine Science, 3(1), 21-31.
- Nittis, K. and Lascaratos, A. 1998. Diagnostic and prognostic numerical studies of LIW formation. Journal of Marine Systems, 18, 179-195.
- Nittis, K., N. Pinardi and A. Lascaratos, 1993. Characteristics of the summer 1987 flow field in the Ionian Sea, J. Geophys. Res., 98, 10171-10184.
- Nittis, K., V. Zervakis, E. Papageorgiou and L. Perivoliotis, 2002. Atmospheric and oceanic observations from the Poseidon buoy network: Initial results, Global Atmos. Ocean Syst., 8, 87-99.
- Nittis, K., V. Zervakis, L. Perivoliotis, A. Papadopoulos and G. Chronis, 2001. Operational monitor and forecasting in the Aegean Sea: system limitations and forecasting skill evaluations, Mar. Pollut. Bull., 43, 154-163.
- Nonnis Marzano C., Scalera Liaci L., Fianchini A., Gravina F., Mercurio M. and Corriero G. 2003. Distribution, persistence and change in the macrobenthos of the lagoon of Lesina (Apulia, southern Adriatic Sea). Oceanologica Acta, 26 , 57-66
- Norman, J.R. 1927. XXV. Report on the Fishes. Cambridge Expedition to the Suez Canal, 1924. Trans. Zool. Soc. London 22: 375-390.
- Norman, J.R 1929. Note on the fishes of the Suez Canal. Proc. Zool. Soc. Lond. 1929: 615-616.
- Nunneri C., K.Turner, A. Cieslak, A. Kannen, R. Klein, L. Leboux, J. Marquenie, L. Mee, S. Moncheva, R. Nicholls, W. Salomons, R. Sarda, M. Stive and T. Vellinga, 2005. Integrated assessments and future scenarios for the coast. In: Managing European Coasts-Past, present and future, , J. Vermaat, L. Bouwer, K. Turner and W. Salomons [edits}, Springer, 271-289.
- Occhipinti Ambrogi A. 1986. Osservazioni sul popolamento a Briozi in praterie di *Posidonia oceanica* del litorale pugliese. Boll. Mus. Ist. Biol. Univ. Genova, 52 suppl., Orel G., Vio

- E., Princi M., Del Piero D., Aleffi F. 1986 Stati di anossia dei fondali, popolamenti bentonici e pesca. *Nova Thalassia*, 8, Suppl. 3, pp. 267-280.
- Ogüz T., V. S. Latun, M. A. Latif, V. V. Vladimirov, H. I. Sur, A. A. Markov, E. Ozsoy, B. B. Kotoshchikov, V. V. Eremeev and U. Unliata, 1993. Circulation in the surface and intermediate layers of the Black Sea. *Deep-Sea Res.* 40(8), 1597-1612.
- Ogüz, T, Ducklow H.W., Pursell J.E. and Malanotte-Rizzoli P. Modelling the response of top-down control exerted by gelatinous carnivores on the Black Sea pelagic food web. *J. Geophys. Res.*, in press.
- Ogüz, T., D. G. Aubrey, V. S. Latun, E. Demirov, L. Koveshnikov, V. Diaconu, H. I. Sur, S. Besiktepe, M. Duman, R. Limeburner and V. Eremeev, 1993b. Mesoscale Circulation and Thermohaline Structure of the Black Sea Observed during HydroBlack91, *Deep-Sea Res.*, 41, 603-628.
- Ogüz, T., Sur, H.I. 1989. A two-layer model of water exchange through the Dardanelles Strait. *Oceanologica Acta* 12, 23-31.
- Ogüz, T., T. Cokacar, P. Malanotte-Rizzoli and H.W. Ducklow. 2003. Climatic warming and accompanying changes in the ecological regime of the Black Sea during 1990s, *Global Biogeochemical Cycles*, 17(3), 1088, doi:10.1029/2003GB002031.
- Oksnebjerg B, Enzenross R and Enzenross L., 1997. First record of Rhizocephala (Crustacea; Cirripedia) from Turkish waters, with notes on lessepsian migration. *Stuttgarter Beiträge zur Naturkunde (Biologie)* 557: 1-7
- Oliverio M 1995. The status of the living Mediterranean *Strombus*, or: What is a lessepsian migrant? *Notiziario del CISMA* 16: 35-40
- Oliverio M., 1994. On the record of a living lessepsian pyramidellid from Turkey (Heterobranchia, Heterostropha). *Notiziario del CISMA*, 15: 79-82
- Onorato R., Denitto F. and Belmonte G. 1999. Le grotte marine del Salento: classificazione, localizzazione e descrizione. *Thalassia salentina* n. 23, pp. 67-116
- Onorato R., Forti P., Belmonte G., Poto M. and Costantini A. 2003. Grotta sottomarina de lu Lampiùne: novità esplorative e prime indagini ecologiche. *Thalassia Salentina*, 26 Suppl.: 55-64.
- Onorato R. and Palmisano P. 1988. La grotta sottomarina delle Corvine Itinerari speleologici, vol.2 pp. 21-26
- Oren, O.H. 1969. Oceanographic and biological influence of the Suez Canal, the Nile and the Aswan Dam on the Levant basin. *Progr. Oceanogr.* 5: 161-167.
- Orfila, A., A. Álvarez, J. Tintoré, A. Jordi and G. Basterretxea, 2005. Climate teleconnections at monthly time scales in the Ligurian Sea inferred from satellite data. *Progress in Oceanography*, in press.
- Orlic M. and M. Pasaric, 2000. Sea-level changes and crustal movements recorded along the east Adriatic coast. *Il Nuovo Cimento*, 23, 351-364.
- Orlic, M., M. Gacic and P. E. LaViolette, 1992. The currents and circulation of the Adriatic Sea, *Oceanol. Acta*, 15, 109– 124.
- Orsi Relini L., 1990. *Synagrops japonicus* (Steindachner e Doderlein, 1884) (Pisces, Acropomatidae) nel Mediterraneo: un migrante lessepsiano? *Oebalia*, 16-1: 217-223.
- Ostrovskaya, N.A., Cubanova, A.D., Kideys, A.E., Melnikov, V.V., Niermann, U. and Ostrovsky, E.V., 1998. Production and biomass of *Acartia clausi* in the Black Sea during summer before and after *Mnemiopsis* outburst. In: NATO TU-Black Sea Project: Ecosystem Modeling as a Management Tool for the Black Sea, Symposium on Scientific Results, L. Ivanov and T. Oguz (eds.), Kluwer Academic Publishers, pp.163-170.
- Ovchinnikov I. M., 1974. “On the Water Balance of the Mediterranean Sea” *Izv. Acad. Sci. USSR Oceanol.*, 14, 198-202.
- Ovchinnikov, I. M. 1966. Circulation in the surface and intermediate layers of the Mediterranean. *Oceanology*, 6, 48-59.

- Ovchinnikov, I. M. 1984. Formation of Intermediate Waters in the Mediterranean Sea. *Oceanology*, 24, 2, 217–255.
- Ovchinnikov, I. M. and V. B. Titov. 1990. Anticyclonic vorticity of the currents in the coastal zone of the Black Sea. *Doklady AN SSSR*, 314, 1236–1239, (in Russian).
- Ovchinnikov, I. M. and Yu. I. Popov. 1984. On the cold intermediate layer formation in the Black Sea. *Doklady AN SSSR*, 274, 986–989, (in Russian).
- Ovchinnikov, I. M. and Plakhin, Ye. A., 1984. Formation of the Intermediate Waters of the Mediterranean Sea in the Rhodes Cyclonic Gyre. *Oceanology*, 24, 3, 317-319.
- Ovchinnikov, I. M., Popov, Yu. I. and Gertman, I. F., 1990. Investigation of the formation of deep waters in the eastern Mediterranean Sea during the 36th cruise of the R/V Ya. Gakkel' 22 January–13 April 1990. *Oceanology*, 30, 6, 769–771.
- Ovchinnikov, I. M., V. B. Titov, V. G. Krivosheya and Yu. I. Popov. 1993. Major fluid dynamical processes and their role in the ecology of waters of the Black Sea. *Oceanology* (English Translation), 33, 6, 707–712.
- Ovchinnikov, I.M., Zats, V.I., Krivosheya, V.G. and Uddodov, A.I., 1985. Formation of Deep Eastern Mediterranean waters in the Adriatic Sea. *Oceanology* 25 (6), 704–707.
- Ovchinnikov, I.M., Zets, V.I., Kroshaye, V.G., Menirovsk, M.S. and Uddodov, A.I., 1987. Winter convection in the Adriatic and formation of deep eastern Mediterranean water. *Oceanoglogica Acta*, 5B, 89–92.
- Ozsoy, E. and U. Unluata 1997. Oceanography of the Black Sea: A Review of Some Recent Results, *Earth Sci. Rev.*, 42(4), 231-272.
- Ozsoy, E., Hecht, A. and Unluata, Ü., 1989. Circulation and hydrology of the Levantine Basin. Results of POEM Coordinated Experiments 1985-1986. *Progress in Oceanography*, 22, 125–170.
- Ozsoy, E., Hecht, A., Unluata, U., Brenner, S., Oguz, T. and Bishop, J. 1991. A review of the Levantine Basin circulation and its variability during 1985–1988. *Dynamics of Atmospheres and Oceans*, 15, 421–456.
- Ozsoy, E., Hecht, A., Unluata, U., Brenner, S., Sur, H. I. and Bishop, J. 1993. A synthesis of the Levantine Basin circulation and hydrography 1985–1990. *Deep-Sea Research*, 40, 1075–1119.
- Özsoy, E. and Latif, M.A., 1996. Climate variability in the Eastern Mediterranean and the great Aegean outflow anomaly. In: Denis, M. (Ed.), (Ed.), POEM-BC Workshop, Molitg les Bains, France, 1 –5 July 1996. Centre d’Océanologie de Marseille, Marseille, pp. 69–86.
- Özturgut, E. 1976. The source and spreading of the Levantine intermediate water in the Eastern Mediterranean. Saclant Antisubmarine Warfare Res. Cen. Memor. SM-92, La Spezia, Italy, 45 pp.
- Painter, S. C. and Tsimplis, M. N., 2003. Temperature and salinity trends in the upper waters of the Mediterranean Sea as determined from the MEDATLAS dataset. *Continental Shelf Research*, 23, 1507–1522.
- Palanques, A., E. García-Ladona, D. Gomis, J. Martín, M. Marcos, A. Pascual, P. Puig, J.-M. Gili, M. Emelianov, S. Monserrat, J. Guillén, J. Tintoré, M. Segura, A. Jordi, S. Ruiz, G. Basterretxea, J. Font, D. Blasco and F. Pagès, 2005. General patterns of circulation, sediment fluxes and ecology of the Palamo's (La Fonera) submarine canyon, northwestern Mediterranean. *Progress in Oceanography*, in press.
- Palombi, A.1927. Notizie faunistiche sul Canale di Suez. Ann. R. Liceo. Scient. Avellino, 94 pp.
- Palombi, A.1928. Report on the Terobellaria. Cambridge Expedition to the Suez Canal, 1924. Trans. Zool. Soc. London 22: 579-631.
- Pancucci-Papadopoulou, M. A., I. Siokou-Frangou, A. Theocharis and D. Georgopoulos, Zooplankton vertical distribution in relation to the hydrology in the NW Levantine and the SE Aegean seas (spring 1986), *Oceanol. Acta.*, 15, 365-381, 1992

- Panetta P. 1980. Importanza dei Molluschi nella definizione delle biocenosi del Mar Grande di Taranto. *Mem. Biol. Mar. Ocean.*, Suppl., Vol. X , pp. 423-424.
- Panetta P. 1981. I Molluschi del Mar Grande di Taranto. *Quad. Lab. Tecnol. Pesca*, 3 (1 suppl.), pp. 577-586.
- Panetta P. Mastrototaro F. and Matarrese A. 2002. Molluschi del fondo a *Cladophora prolifera* della riserva marina di Porto Cesareo (Le). *Biologia Marina Mediterranea*, Vol.8 fasc.1 2002 parte 2 pp. 632-635
- Panetta P. and Dell'Angelo B. 1977. I Molluschi dei fondi detritici costieri del Golfo di Taranto. *Atti IX Congr. S.I.B.M.*, Lacco Ameno d'Ischia (Napoli) 1977, Cinelli F., Fresi E. and Mazzella L. (Edit.), pp. 303-314.
- Panetta P., Mastrototaro F. and Maiorano P., 2000. La malacofauna delle Isole Tremiti *Biologia Marina Mediterranea*, Vol.7 fasc.1 2000 parte 2 pp. 707-712
- Panin, N. and Jipa, D. C, 2002. Danube river sediment input and its interaction with north-western Black Sea. *Estuarine Coastal and Shelf Science*, 54, 3, 551-562.
- Panin, N., Jipa, D. C., Gomoiu, M.-T. and Secrieru, D. 1999. Importance of sedimentary processes in environmental changes: Lower River Danube - Danube Delta - Western Black Sea System. In: Environmental Degradation of the Black Sea: Challenges and Remedies – Besiktepe et al. Eds. – Kluwer Academic Publishers: 23-41.
- Papaconstantinou, C. 1987. Distribution of the Lessepsian fish migrants in the Aegean Sea. *Biologia Gallo-Hellenica* 13: 15-20.
- Papaconstantinou, C. 1990. The spreading of Lessepsian fish migrants into the Aegean Sea (Greece). *Sci. Mar.* 54(4): 313-316.
- Papadopoulos L.N., Peijnenburg K.T.C.A. and Luttikhuijzen P.C. Phylogeography of the calanoid copepods *Calanus helgolandicus* and *C. euxinus* suggests Pleistocene divergences between Atlantic, Mediterranean, and Black Sea populations. In press in *Marine Biology*
- Papageorgiou, E., A. Theocharis, G. Zodiatis and D. Georgopoulos, 1990. Water exchanges between the SE Aegean and Levantine basins through the eastern straits of the Cretan Arc (October 1987), EGS-XV General Assembly Copenhagen, 23–27 April 1990, *Annales Geophysicae*, Special Issue, 189–190
- Paparella P., Vaccarella R., Sarcinella V. and Marano G. 1996. Gli Ascidiacei indicatori di contaminazione organica. *S.I.T.E. Atti* 17, pp. 391-393.
- Papenfuss, G.F. 1968. A history, catalogue, and bibliography of Red Sea benthic algae. *Bull. Sea Fish. Res. Stn Israel* 50: 1-118.
- Parenzan P. 1969. Il fondo a *Cladophora prolifera* Kutz nel golfo di Taranto e possibilità di una sua valorizzazione economica. *Thalassia Salentina*, 3: pp. 35-46
- Parenzan P. 1969. Il Mar Piccolo e il Mar Grande di Taranto: carta biocenotica. *Thalassia Salentina*, 3: pp. 19-34
- Parenzan P. 1980. La carta ecologica dei mari pugliesi. *Thalassia salentina*, 10: pp. 99-104.
- Parrilla, G., S. Neuer, P.-Y. Le Traon and E. Fernández 2002. Topical studies in oceanography: Canary Islands Azores Gibraltar Observations (CANIGO), vol. 2, Studies of the Azores and Gibraltar regions, Deep Sea Res., Part II, 49, 3951– 3955.
- Pasaric M. and M. Orlic, 2001. Long-term meteorological preconditioning of the North Adriatic coastal floods. *Cont. Shelf Research*, 21(3) 263-278.
- Pasaric, M., Z. Pasaric, and M. Orlic, 2000. Response of the Adriatic sea level to the air pressure and wind forcing at low frequencies (0.01-0.1 cpd), *J. Geophys. Res.*, 105, C5, 11423-11439.
- Paskoff R.P., 2004. Potential implications of sea level rise for France. *J. Coastal res.* 20(2), 424-434.
- Pasteur R., Berdugo V. and Kimor B. 1976. The abundance, composition and seasonal distribution of epizooplankton in coastal and offshore waters of the Eastern Mediterranean. *Acta adriatica*, 18 (4): 55-80.

- Pastore M. 1981. I popolamenti dell'infralitorale di substrato roccioso lungo la costa Salentina (Golfo di Taranto). I crostacei decapodi. *Thalassia Salentina* 11, pp. 137-155.
- Pastore M. 1981. Osservazioni preliminari sull'infralitorale di substrato roccioso lungo la costa Salentina (Golfo di Taranto). *Thalassia Salentina* 11, pp. 81-104.
- Pastore M., Panetta P. and Tursi A. 1977 Preliminari sulle condizioni ambientali di una zona del Golfo di Taranto soggetta a scarichi industriali. Atti V Simposio Nazionale sulla Conservazione della Natura, Bari 1975, Vol. II, pp. 273-283.
- Pastore M. and Vaccarella R. 1977 Crostacei Decapodi del porto di Bari. *Oebalia*, Vol. III, pp. 33-63.
- Pastore M. and Vannelli M. A. 1983. Biologia del cistoseireto nell'infralitorale superiore lungo la costa neretina (Golfo di Taranto). *Thalassia Salentina* 13, pp. 82-117.
- Paterno P., Cardelluccio N., Leone G., Marra C. and Piraino S. 1991. Mercury and tin distribution in *Posidonia oceanica* in the Gulf of Taranto. *Oebalia*, Vol. XVII(1), pp. 265-277.
- Paterno P., Cardelluccio N., Marra C. and Leone G. 1992. Distribuzione di elementi metallici in *Posidonia oceanica* (L.) Delile del Golfo di Taranto. *Oebalia*, Vol. XVII, Suppl., pp. 583-585.
- Pati, A.C., Belmonte G., Ceccherelli V.U. and Boero F., 1999. The inactive temporary component: An unexplored fraction of meiobenthos. *Mar. Biol.* 134 3: 419-427.
- Pati A.C., Giangrande A., Boero F. and Fanelli G. 1997. Biotic interactions during primary settlement on artificial substrates. *Biologia Marina Mediterranea* 4(1), pp. 140-146.
- Pavlova E.V., Ovsjanyi E.I., Gordina A.D., Romanov A.S. and Kemp R.B. 1999. Modern state and tendencies of change in Sevastopol bay ecosystem. In. Sevastopol aquatory and coast: ecosystem processes and services for human society. Sevastopol, Aquavita Publ., p.70-94 (in Russian).
- Paz G., Douek J., Mo C., Goren M. and Rinkevich B. 2003. Genetic structure of *Botryllus schlosseri* (Tunicata) populations from the Mediterranean coast of Israel. *Marine Ecology Progress Series* 250:153-162
- Peijnenburg K.T.C.A. 2005. Structure at open sea. Genetics of zooplankton populations. PhD thesis, Universiteit van Amsterdam
- Peijnenburg K.T.C.A., Breeuwer J.A.J., Pierrot-Bults A.C., Menken S.B.J. 2004. Phylogeography of the planktonic chaetognath *Sagitta setosa* reveals isolation in European seas. *Evolution* 58:1472-1487
- Peijnenburg K.T.C.A., Fauvelot C., Breeuwer J.A.J. and Menken S.B.J. Population structure at different spatial scales of the planktonic *Sagitta setosa* (Chaetognatha) in European seas, as revealed by mitochondrial and nuclear DNA. Manuscript in preparation
- Peneva, E. L., E. V. Stanev, E. K. Koleva, L. Krastev and J. V. Staneva 1997. Verification of high-resolution climatic simulations for the area of Bulgaria. Part II: Intercomparison between UKMO, HIRHAM and ARPEGE simulations and climatic data for the period 1961-1990. *Bulg. J. Meteorol. and Hydrol.*, 7, 84-102.
- Peneva, E., E. Stanev, V. Belokopytov and P.-Y. Le Traon 2001. Water transport in the Bosphorus Straits estimated from hydro-meteorological and altimeter data: seasonal to decadal variability, *J. Mar. Sys.* 31, 21-33.
- Perissaratis, C. and D. J. W. Piper, 1992. Age, regional variation, and shallowest occurrence of S1 sapropel in the North Aegean Sea. *Geo-Mar. Lett.*, 12, 49-53.
- Person, R., 1974. Un exemple de descente des eaux superficielles du plateau continental dans un canyon du golfe du Lion. Colloq. Int. C.N.R.S., Processus de formation des eaux profondes, No. 215, pp. 175– 189.
- Peterson, R. G., L. Stramma and G. Kortum, 1996. Early concepts and charts of ocean circulation. *Progress in Oceanography*, 37, 1-115.

- Petran, A. and Moldoveanu, M., 1997. Post-invasion ecological impact of the Atlantic ctenophore *Mnemiopsis leidyi* Agassiz, 1865 on the zooplankton from the Romanian Black Sea waters. *Cercetari marine*, 27-28, 135-157.
- Petretti A., Di Natale A., Cantoro L., Chiantore V., Giardini M., Medagli P. and Salvatici B. 1988. Torre Guaceto (Brindisi): indagini preliminari per l'istituzione della Riserva Marina. W.W.F.-Italia, rapporto al Ministero della Marina Mercantile, Ispettorato Centrale per la Difesa del Mare, Roma, 2 vol., pp. 1-304.
- Petrova D., Velikova V. and G. Shtereva 2004. Nutrients, Chlorophyll_a and Phytoplankton in the Bulgarian Black Sea (Cape Kaliakra), BALWOIS Conference, 25-29 May, 2004, Ohrid, FY Republic of Macedonia, Proc., BALWOIS Conference "Water bodies protection and ecohydrology", 2004, p: 1-7.
- Petrova-Karadjova and S. Moncheva 1998. Biological Diversity of the Pelagic ecosystem in the Bulgarian Black Sea - Phytoplankton. In: Konsulov A. Black Sea Biological diversity in Bulgaria, UN Publications, New York, Black Sea Environmental series, Vol.5, 10-12, 52-58.
- Picco, P., 1990. Climatological Atlas of the Western Mediterranean. ENEA, Roma. 224 pp.
- Pierini, S. 1989. A model for the Alboran Sea internal solitary waves, J. Phys. Oceanogr., 19, 755– 772.
- Pignatti S., De Cristini P. and Rizzi L. 1967 Le associazioni algali della grotta delle Viole nell'isola di S. Domino (Is. Tremiti). *Giornale Botanico italiano*, 101: pp. 117-126.
- Pinardi N., Arneri E., Crise A., Ravaioli M. and Zavatarelli M., 2005. "The physical, sedimentary and ecological structure and variability of shelf areas in the Mediterranean", The Sea Vol.14 in press.
- Pinardi, N., Korres, G., Lascaratos, A., Roussenov, V. and Stanev, E., 1997. Numerical simulation of the interannual variability of the Mediterranean Sea upper ocean circulation. *Geophysical Research Letters*, 24, 4, 425-428.
- Pinardi, N. and Masetti E., 2000. Variability of the large scale general circulation of the Mediterranean Sea from observations and modelling: a review. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 158, 153–173.
- Pinot, J.-M. and A. Canachaud, 1999. The role of winter intermediate waters in the spring-summer circulation of the Balearic Sea. 1. Hydrography and inverse box modeling, *J. Geophys. Res.*, 104, C12, 29843-29864.
- Piraino S., Bouillon J. and Boero F. 1992. *Halocorine epizoica* (Cnidaria, Hydrozoa), a hydroid that 'bites'. In Bouillon J., Boero F., Cicogna F., Gili J.M. and Huges R.G., eds, *Aspect of hydrozoan biology Scientia Marina* vol. 56, 2-3, pp. 141-147
- Piraino S., Cardelluccio N., Caroppo C., Paterno P., Annichiarico C., Leone G., Marra C., Ragone P. and De Nicola Giudici M. 1991. Caratterizzazione ecotossicologica del Golfo di Taranto. Qualità biologica delle acque e biodosaggi di crescita di idroidi coloniali e microalghe. S.I.T.E. Atti 12, pp. 221-226.
- Piraino S., Todaro C., Geraci S., Boero F. 1994. Ecology of the bivalve - inhabiting hidroid *Eugymnanthea inquilina* in the coastal sounds of Taranto (Ionian Sea, SE Italy). *Mar. Biol. Berl.* Vol. 118, v, pp. 695-703
- Pirazzoli P.A. and A. Tomasin, 2002. Recent evolution of surge-related events in the northern-Adriatic Sea, *J. Coast. Res.* 18(3) 537-554.
- Pirazzoli P.A. and Tomsin. 2003. Recent near-surface wind changes in the central Mediterranean and Adriatic areas. *Int. J. Climatology*, 23(8), 963-973.
- Piscitelli G. and Barone G 2000. Prima nota sui picnogonidi delle Isole Tremiti. *Biologia Marina Mediterranea*, vol.7 fasc.1 2000 parte 2 pp. 718-722
- Pitta, P. and Giannakourou, A., 2000. Planktonic ciliates in the oligotrophic Eastern Mediterranean: vertical, spatial distribution and mixotrophy. *Marine Ecology Progress Series* 194, 269-282.

- Pitta, P., Giannakourou, A. and Christaki, U., 2001. Planktonic ciliates in the oligotrophic Mediterranean Sea: longitudinal trends of standing stocks, distributions and analysis of food vacuole contents. *Aquatic Microbial Ecology* 24, 297-311.
- Plag H.-P. and M.N. Tsimplis, 1999. Temporal variability of the seasonal sea-level cycle in the North Sea and Baltic Sea in relation to climate variability, *Global and Planetary Change*, 20, 173-203.
- Plakhin, Ye. A. 1971. Formation of distinct deep water in the Mediterranean by convective mixing. *Oceanology* 11, 4, 524–529.
- Plakhin, Ye. A., 1972. Vertical winter circulation in the Mediterranean. *Oceanology*, 12, 3, 344–351.
- Platt, T., 1985. Phytoplankton production in oligotrophic marine ecosystems: the Mediterranean Sea. In: Moraitou-Apostolopoulou, M., Kiortsis, V. (Eds.), *Mediterranean Marine Ecosystems*. Plenum Press, New York, pp. 231– 246.
- POEM GROUP, 1992. General circulation of the Eastern Mediterranean. *Earth-Science Review*, 32, 285–309.
- Polishchuk, L. N., Nastenko, E.V. and Garkavaya, G. P. 1984. The present condition of the Black Sea pelagic and neiston communities. *Ecology of the Sea*. Kiev, Naukova Dumka, 18, p. 25-34 (in Russian).
- Pollak, M. I., (1951). The sources of deep water in the eastern Mediterranean Sea. *Journal of Marine Research*, 10, 128–152.
- Poluzzi A., Rosso A. 1988. I tipi zoariali di un'associazione a Briozi del Mar Jonio. *Acta Naturalia de l'Ateneo Parmense* 24, pp. 83-108.
- Por, F.D. 1969. The Canuellidae (Copepoda, Harpacticoida) in the waters around the Sinai Peninsula and the problem of "lessepsian" migration of this family. *Israel J. Zool.* 18: 169-178.
- Por, F.D. 1969. One hundred years of Suez Canal - a century of Lessepsian migration: Retrospect and viewpoints. *Syst. Zool.* 20: 138-159.
- Por, F.D. 1973. The nature of the Lessepsian migration through the Suez Canal. *Rapp. P.-v. Re. Commn int. Explor. scient. Mer Mediterr.* 21: 679-682.
- Por, F.D. 1978. Lessepsian migration. The influx of Red Sea biota into the Mediterranean by way of the Suez Canal. Springer Verlag, Berlin/ Heidelberg, 205 pp. (Ecological Studies Vol 23).
- Por, F.D. 1990. Lessepsian migration. An appraisal and new data. *Bull. Inst. Oceanogr. Monaco Spec. Vol.* 7: 1-10.
- Por, F.D., Marcus, A. 1972. Copepoda harpacticoida of the Suez Canal. *Israel J. Zool.* 21: 249-274.
- Porumb, F., 1992. Evolution du zooplankton des eaux du plateau continental Roumain de la mer Noire au cours de trois décennies. *Rap. proc.- verb. Reun. Comm. Int. explor. Sci. Mediterr.* Monaco, 33, 266.
- Poulain, P. M., 1998. Lagrangian measurements of surface circulation in the Adriatic and Ionian seas between November 1994 and March 1997. *Rapports de la Commission Internationale pour l'Exploration Scientifique de la mer Méditerranée*, 35, 190–191.
- Poulain, P. M., 1999. Drifter observations of surface circulation in the Adriatic Sea between December 1994 and March 1996, *J. Mar. Sys.* 20, 231-253.
- Poulain, P. M., M. Gacic and A. Vetrano, 1996. Current measurements in the strait of Otranto reveal unforeseen aspects of its hydrodynamics, *EOS*, 77, [STRAIT-MED - 0159].
- Poulain, P.-M., 2001. Adriatic Sea surface circulation as derived from drifter data between 1990 and 1999. *Journal of Marine Systems*, 29, 3 –32.
- Poulos, S. E., P. G. Drakopoulos and M. B. Collins, 1997. Seasonal variability in sea surface oceanographic conditions in the Aegean Sea (Eastern Mediterranean): an overview. *Journal of Marine Systems*, 13, 225-244.

- Priede, I. G. and P. M. Bagley. 2000. In situ studies on deep-sea demersal fishes using autonomous unmanned lander platforms. Oceanography and marine biology: An annual review 38:357-392.
- Prieur, L. and Sournia, A., 1994. 'Almofront-1' (April–May 1991): an interdisciplinary study of the Almaria-Oran geostrophic front, SW Mediterranean Sea. J. Mar. Syst. 3 –5, 187– 203.
- Prodanov K., S. Moncheva, A. Konsulov, L. Kamburska, Ts. Konsulova and K. Dencheva. 2001. Recent ecosystem trends along the Bulgarian Black Sea coast. Oceanology, IO-BAS, v.3, 110-127
- Puillat, I., Taupier-Letage, I. and Millot., C. 2002. Algerian Eddies lifetime can near 3 years. Journal of Marine Systems, 31, 245–259.
- Pujolar J.M., Roldán M.I. and Pla C. 2001. Allozyme differentiation of bonito in the Mediterranean Sea. *Journal of Fish Biology* 59:169-174
- Purcell J. E. Shiganova T.A. Decker M. B. and Houde E.D. 2001. The ctenophore *Mnemiopsis leidyi* in native and exotic habitats: U. S. estuaries versus the Black Sea basin // Hydrobiologia. 451. Eds. J.E.Purcell, W.M.Graham and H.J.Dumont, Kluwer Acad. Pub., P.145-176 .
- Pusanov I.I. 1936. The anchovy. Uchanyia zapiski Gorgovskogo Gos unta (in Russian)
- Rachev N. H., and E. V. Stanev 1997. Eddy processes in semi-enclosed seas. A case study for the Black Sea. J. Phys. Oceanogr., 27, 1581-1601.
- Rachev, N. H. and E. V. Stanev 1998. Rossby modes in semienclosed basins. Their relevance to dissipation and mixing in the Black Sea, in: L. Ivanov and T. Oguz (eds.), Ecosystem modelling as a management tool for the Black Sea, Vol. 2, 163-177. Kluwer Academic Publishers.
- Ragueneau, O. C. Lancelot and V. Egorov. 2002.Biogeochemical transformations of inorganic nutrients in the mixing zone between the Danube river and the north-western Black Sea. Estuarine Coastal and Shelf Science, 54, 3, 321-336.
- Raicich F. 1996. On the fresh water balance of the Adriatic Sea. Journ. Mar. Sys. 9 (1996) 305-319.
- Raicich F., 2003. Recent evolution of sea-level extremes at Trieste (Northern Adriatic), Continental Shelf Research, 23, 225-235
- Reid, J.L., 1979. On the contribution of the Mediterranean Sea outflow to the Norwegian – Greenland Sea. Deep-Sea Res., 26A, 1199.
- Reshke, S., V. Itekkot and N. Panin, 2002. The nature of organic matter in the Danube river particlesand north-western Black Sea sediments. Estuarine Coastal and Shelf Science, 54, 3, 563-574.
- Rhein, M., 1995. Deep water formation in the western Mediterranean, J. Geophys.Res., 100, 6943-6959.
- Rhein, M., Send, U., Klein and B., Krakmann, G., 1999. Interbasin deep water exchange in the western Mediterranean. J. Geophys. Res. 104 (C10), 23495– 23508.
- Richez, C. 1994. Airborne synthetic aperture radar tracking of internal waves in the Strait of Gibraltar, Prog. Oceanogr., 33, 93– 159.
- Riemann, F. and Rachor, E. 1972. Freibleibende Nematoden aus dem Suezkanal. Israel, (Free-living marine nematodes in the Suez Canal.) J. Zool. 21(3-4): 167-187.
- Rixen, M., J.-M. Beckers, S. Levitus, J. Antonov, T. Boyer, C. Maillard, M. Fichaut, E. Balopoulos, S. Iona, H. Dooley, M.-J. Garcia, B. Manca, A. Giorgetti, G. Manzella, N. Mikhailov, N. Pinardi, M. Zavatarelli and the Medar Consortium, 2005. The Western Mediterranean Deep Water: a proxy for climate change. Geophysical Research Letters, Vol.32 LI 2608.
- Rizzi Longo L. 1972 La flora sottomarina delle Isole Tremiti. Atti Ist. Veneto Sci. Lett. Arti Venezia 130: pp. 329-376.

- Robarts, D.R., Zohary, T., Waiser, M.J. and Yacobi, Y.Z., 1996. Bacterial abundance, biomass, and production in relation to phytoplankton biomass in the Levantine Basin of the southeastern Mediterranean Sea. *Marine Ecology Progress Series* 137, 273-281.
- Robinson, A. R. and M. Golnaraghi, 1994. The physical and dynamical oceanography of the Mediterranean Sea, In: Ocean Processes in Climate Dynamics: Global and Mediterranean Examples, P. Malanotte-Rizzoli and A. R. Robinson eds., Kluwer Academic Publishers, Netherlands, 255-306.
- Robinson, A.R., Golnaraghi, M., Leslie, N., Artegiani, A., Hecht, A., Lazzone, E., Michelato, A., Sanzone, E., Theocharis, A. and Unluata, U., 1991. Structure and variability of the Eastern Mediterranean general circulation. *Dynamics of Atmospheres and Oceans*, 15, 215–240.
- Robinson, A.R., Leslie, W., Theocharis, A. and Lascaratos, A., 2001. Mediterranean Sea circulation. *Encyclopedia of Ocean Science*, Vol. 3. Academic Press, San Diego, CA, pp. 1689– 1705.
- Robinson, A.R. and Malanotte-Rizzoli, P. (Eds.), 1993. Physical Oceanography of the Eastern Mediterranean Sea. Deep-Sea Res., Part II, Vol. 40. Pergamon, Oxford, 300 pp.
- Robles, F. L. E., M. B. Collins and G. Ferentinos, 1983. Water masses in Thermaikos Gulf, north-western Aegean Sea, *Estuarine Coastal Shelf Sci.*, 16, 363-378.
- Rochelle E., Klein, R., R., Nicholls, K. Barret, L., Leboux, S. Moncheva, P. Moshella, M. Steve and J. Vermaat., 2005. Global change and the European coast- climate change and economic development. In: Managing European Coasts-Past, present and future, , J. Vermaat, L. Bouwer, K. Turner and W. Salomons [edits}, Springer, 239-254.
- Rodwell, M. J., D. P. Rodwell and C. K. Folland, 1999. Oceanic forcing of the wintertime North Atlantic Oscillation and European Climate. *Nature*, 398, 320-323.
- Roether, W. and Klein, B., 1998. The Great Eastern Mediterranean Deep-Water Transient. Rapport Commission internationale Mer Méditerranée, 35, 12-16.
- Roether, W., Klein, B., Beitzel, V. and Manca, B.B., 1998. Property distributions and transient-tracer ages in Levantine Intermediate Water in the Eastern Mediterranean. *J. Mar. Syst.* 18, 71– 87.
- Roether, W., Manca, B. B., Klein, B., Bregant, D., Georgopoulos, D., Beitzel, V., Kovacevic, V. and Luchetta, A. 1996. Recent changes in eastern Mediterranean deep waters. *Science*, 271, 333–335.
- Roether, W., Roussenov, V.M. and Well, R., 1994. A tracer study of the thermohaline circulation of the Eastern Mediterranean. In: Malanotte-Rizzoli, P., Robinson, A.R. Eds., Ocean Processes in Climate Dynamics:Global and Mediterranean Examples, Vol. 419, NATO ASI Series C. Kluwer Academic Publisher, pp. 371–394.
- Roether, W. and Schlitzer, R., 1991. Eastern Mediterranean deep water renewal on the basis of chlorofluoromethane and tritium data. *Dynamics of Atmospheres and Oceans*, 15, 3–5 , 333–354.
- Roether, W., V. Beitzel, J. Sueltenfuss and A. Putzka, 1999. The Eastern Mediterranean tritium distribution in 1987, *J. Mar. Syst.*, 20, 49–61.
- Roether, W. and Well, R., 2001. Oxygen consumption in the Eastern Mediterranean. *Deep-Sea Res.*, Part 1, *Oceanogr. Res. Pap.* 48, 1535– 1551.
- Rohling, E.J., 1994. Review and new aspects concerning the formation of eastern Mediterranean sapropels. *Mar. Geol.*, 122, 1-28.
- Rohling, E.J. and Bryden, H.L., 1992. Man-induced salinity and temperature increases in Western Mediterranean deep water. *Journal of Geophysical Research*, 97, 11191–11198.
- Rohling, E. J. and H. L. Bryden, 1994. Estimating past changes in the Eastern Mediterranean freshwater budget, using reconstructions of sea level and hydrography, *Proc. Kon. Ned. Akad.* 97, 201-217.
- Ross, T., C. Garrett and P.-Y. Le Traon, 2000. Western Mediterranean sea-level rise: changing exchange flow through the Strait of Gibraltar, *Geophys. Res. Lett.*, 27, 2949-2952.

- Rossignol-Strick, M. and M. Paterne, 1999. A synthetic pollen record of the eastern Mediterranean sapropels of the last 1 Ma: implications for the time-scale and formation of sapropels. *Mar. Geol.*, 153, 221-237.
- Rossignol-Strick, M., 1985. Mediterranean Quaternary sapropels, an immediate response of the African monsoon to variations of insolation. *Palaeogeogr., Palaeoclimatol., Palaeoecol.*, 49, 237-263.
- Roussenov, V. and E. V. Stanev 1986. Two-dimensional numerical model of wind driven circulation in the Burgas Bay. *Bulg. Geoph. J.* 12, 2, 106-113.
- Roussenov, V., Stanev, E., Artale, V. and Pinardi, N., 1995. A seasonal model of the Mediterranean Sea general circulation. *Journal of Geophysical Research*, 100, 13515-13538.
- Rubino F., Moscatello S., Saracino O.D., Fanelli G. and Belmonte G. 2001. Plankton derived resting stages in marine coastal sediments along the Salento Peninsula (Apulia, Southern Italy). *Mar. Ecol.P.S.Z.N.I*, 23, Suppl.: 329-339.
- Sachs, J.P. and Repeta, D.J., 1999. Oligotrophy and nitrogen fixation during eastern Mediterranean sapropel events. *Science* 286, 2485-2488
- Safriel, U. and Lipkin, Y. 1975. Patterns of colonization of the eastern Mediterranean intertidal zone by Red Sea immigrants. *J. Ecol.* 63(1): 61-63.
- Safriel, U.N. and Ritte, U. 1986. Suez Canal migration and Mediterranean colonization: their relative importance in Lessepsian migration. *Rapp. Proc.-verbeaux Rèunions Com. intern. Explor. scient. Méditerranée.* 29: 259-263.
- Safriel, U.N. and Ritte, U. 1986. Population biology of Suez Canal migration - which way, what kind of species, and why. pp. 561-582. In: S. Karlin and E. Nevo (Eds.). *Evolutionary processes and theory*. Academic Press, New York.
- Sala I., Fontana P. and Ambrogi R. 1995 Fermo pesca e popolamento macrobentonico. *Biologia Marina Mediterranea*, 2(2), pp. 407-408.
- Salah, M. and Tamas, G. 1970. General preliminary contribution to the plankton of Egypt. *Bull. Inst. Oceanogr. Fish. UAR.* 1: 306-337.
- Salas, J., Millot, C., Font, J. and García-Ladona, E. (2002). Analysis of mesoscale phenomena in the Algerian basin observed with drifting buoys and infrared images. *Deep-Sea Research I*, 49, 245–266.
- Salat, J. and Font, J., 1987. Water mass structure near and offshore the Catalan coast during the winters of 1982 and 1983. *Ann. Geophys.* 1B, 45–54.
- Samuel, S., K. Haines, S. Josey and P. G. Myers, 1999. Response of the Mediterranean Sea thermohaline circulation to observed changes in the winter wind stress field in the period 1980-1993. *Journal of Geophysical Research*, 104, C4, 7771-7784.
- Sandulli R., Carriglio D. and Mei M.L. 2001. Preliminary investigations on the effects of offshore fish farming on the meiofauna and sediments in the Porto Cesareo area (Lecce, Italy). *Biologia Marina Mediterranea*, Vol.8 fasc.1 2001 parte 2 pp. 626-629
- Sandulli R., De Zio Grimaldi S., Gallo D'Addabbo M., Calo' L. and Bressan E. 2002. Aspetti della biodiversità della meiofauna lungo il litorale pugliese. *Biologia Marina Mediterranea*, vol.8 fasc.1 2002 parte 1 pp. 484-493
- Sandulli R., Gallo D'Addabbo M., De Lucia Morone M.R., D'Addabbo R., Pietanza R., De Zio Grimaldi S. 1999. Preliminary investigations on meiofauna of two caves in San Domino island (Tremiti archipelago, Adriatic sea). *Biologia Marina Mediterranea*, Vol.6 fasc.1 1999 pp. 437-440
- Sannino, G., A. Bargagli and V. Artale 2002. Numerical modeling of the mean exchange through the Strait of Gibraltar, *J. Geophy. Res.*, 107(C8), 3094, doi:10.1029/2001JC000929.
- Sannino, G., A. Bargagli and V. Artale 2004. Numerical modeling of the semidiurnal tidal exchange through the Strait of Gibraltar, *J. Geophy. Res.*, 107(C8), 109, C05011, doi:10.1029/2003JC002057.

- Sapozhnikov, V. V., Biohydrochemical barrier along the border of shelf waters of the Black Sea // *Oceanology (English Translation)*, 31, 4, 417–423, 1991.
- Sarà M. 1968. Un coralligeno di piattaforma lungo il litorale pugliese. Archivio di Oceanologia e Limnologia, suppl. 15: pp. 139-150.
- Sarà M. 1969. Il coralligeno pugliese e suoi rapporti con l'ittiofauna. Boll. Mus.Ist. Biol. Univ. Genova, 37: pp. 28-37.
- Sarà M. 1969. Research on coralligenous formations: problems and perspectives. P.S.Z.N.I. Mar. Ecol., 37: pp 124-134.
- Sarà M. 1971. Le peuplement du coralligène des Pouilles. Rapport de la Commission Internationale de la Mer Méditerranée, 20: pp. 235-237.
- Sarà M. 1971. Un biotopo da proteggere: il coralligeno pugliese. Atti I seminario sulla conservazione della natura. Bari: pp. 145-151.
- Sarà M. 1972. I popolamenti bentonici marini e gli effetti dell'inquinamento. Atti del II Simposio Nazionale sulla Conservazione della Natura, Bari 1972, pp. 17-31.
- Sarà M. 1974. Il popolamento delle grotte marine e sua protezione. Atti IV Simposio Nazionale sulla Conservazione della Natura, Bari 1974, Vol. I, pp. 51-60.
- Sarà M. 1978. Il popolamento delle grotte marine e sua protezione. Pubbl. Staz. Zool. Napoli, Vol. 40: pp. 502-505
- Saracino O. D. and Cecere E. 1991. La componente vegetale marina macrobentonica: alterazioni e sue possibili utilizzazioni in ambienti inquinati. Atti del Convegno Nazionale Ambiente Marino: Salvaguardia e Valorizzazione, Lecce 1991, pp. 115-126.
- Sarda F., Bas C., Roldán M.I., Pla C. and Lleonart J. 1998. Enzymatic and morphometric analyses in Mediterranean populations of the rose shrimp, *Aristeus antennatus* (Risso, 1816). *Journal of Experimental Marine Biology and Ecology* 221:131-144
- Saydam A. C. and H.Z. Senyuva, 2002. Can we control the global climate change? II Int. Conference “Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins”, 14-18 October, 2002, Ankara, Turkey, p.43
- Scalera Liaci L. 1980. Cenni sull'opportunità di sviluppare una politica di protezione e di valorizzazione delle coste in Puglia. Atti del VI Simposio Nazionale sulla Conservazione della Natura, Bari 1976, pp. 143-148.
- Scalera Liaci L. 1973. Proposta di tutela biologica di un tratto di costa della penisola salentina (Castro Marina - Porto Tricase). Atti del III Simposio Nazionale sulla Conservazione della Natura, Vol. II, Bari 1973, pp. 227-231.
- Scalera Liaci L. 1985. Valorizzazione dell'ambiente costiero in Puglia. *Oebalia*, Vol. XI-2, N.S., pp. 451-460.
- Scalera Liaci L. and Corriero G. 1993. Distribution of the sponge fauna from the Mar Piccolo and Mar Grande (Taranto, Ionian Sea). *Biologia Marina*, suppl. al Notiziario S.I.B.M., 1, pp. 317-318.
- Scalera Liaci L., Mercurio M., Palladino F., Massari S. and Corriero G. 1999. L'allevamento di spugne commerciali nella Riserva Marina di Porto Cesareo (Le). *Biologia Marina Mediterranea*, Vol.6 fasc.1 1999 pp. 110-118
- Scardi M. and Fresi E. 1985. Cartographic representation of data in marine benthology. Rapport du 29° Congrès de la Commission Internationale pour l'Exploration Scientifique de la mer Méditerranée, Vol. 29, n. 6, pp. 217-219.
- Scardi M. and Fresi E. 1986. Interpolation techniques in benthological mapping: a comparison between trend-surface analysis and kriging. Rapport du 30° Congrès de la Commission Internationale pour l'Exploration Scientifique de la mer Méditerranée, Vol. 30(2).
- Schellenberg, A. 1928. Zoological results of the Cambridge expedition to the Suez Canal, 1924. 35: Report on the Amphipoda. *Trans. Zool. Soc. London* 22(5): 633-692.
- Schellenberg, A. 1929. Der Suezkanal, seine Besiedlung und seine Bedeutung für den Faunenaustausch. *Naturforscher* 6: 201-205.

- Schiano, M. E., 1996. Insolation over the western Mediterranean Sea: A comparison of direct measurements and Reed's formula, J. Geophys. Res., 101, 3831– 3838.
- Schiano, M. E., M. Borghini, S. Castellari and C. Lutazzi, 2000. Climatic features of the Mediterranean Sea detected by the analysis of the longwave radiative bulk formulae. Ann. Geophysicae, 18, 1482-1487.
- Schilling C., Behrendt H., Blaschke A., Danilescu S., Dimova G., Gabriel O., Heinecke U., Kovacs A., Lampert C., Postolache C., Schreiber H., Strauss P. and Zessner M. 2004. Lessons Learned from Investigations on Case Study Level for Modelling of Nutrient Emissions in the Danube Basin, 4th Black Sea Int. Conf. "Environmental Protection Technologies for Coastal Areas", Varna, Bulgaria; Proc., Bulgarian National Association on Water Quality (BNAWQ), (2004), S. 423 - 433.
- Schlitzer, R., Roether, W., Oster, H., Junghans, H., Hausmann, M., Johannsen, H. and Michelato A., 1991. Chlorofluoromethane and oxygen in the Eastern Mediterranean. Deep-Sea Research, 38, 1531– 155
- Schneider, G., 1989. Zur chemischen Zusammensetzung der Ctenophore *Pleurobrachia pileus* in der Kieler Bucht. Helgoland. Meeresuntersuch., 43, 67-76.
- Schott G., 1915. Die Gewässer des Mittelmeeres. Annal. Der Hydrographie und maritimen Meteorologie. Deutsche Seewarte, 43, 1-18, 63–79.
- Schott, F., Visbeck, M., Send, U., Fisher, J., Stramma, L., and Desaubies, Y., 1996. Observations of deep convection in the Gulf of Lions, Northern Mediterranean, during the Winter of 1991/92. J. Phys. Oceanogr. 26, 505–524.
- Schreiber H. and Behrendt H., 2004. Harmonised land cover data for the estimation of nutrient inputs in European river systems – The example of Danube River. UBA-Texte 04/04
- Schrum, C., J. Staneva, E. Stanev and E. Özsoy 2001. Air-sea exchange in the Black Sea estimated from atmospheric analysis for the period 1979-1993. J. Mar. Sys., 31, 3-19.
- Sellschopp, J. and R. Onken, 2000. Lenses of extremely cold water in the central Ionian Sea, Oceanol. Acta, 23, 117-128.
- Send U., F. Schott. F. Gaillard and Y. Desaubies, 1995. Observation of deep water convection regime with acoustic topography. J. Geophys. Res., 100, 6927-6941.
- Send U., J. Font, G. Krahmann, C. Millot, M. Rhein and J. Tintore, 1999. Recent advances in observing the physical oceanography of the western Mediterranean Sea. Progress in Oceanogr., 44, 37-64.
- Send, U. and B. Baschek, 2001, Intensive shipboard observations of the flow through the Strait of Gibraltar, J. Geophys. Res., 106, C12, 31017-31032
- Send, U., Font, J. and Mertens, C., 1996. Recent observation indicates convection's role in deep water circulation. EOS 77, 61– 65.
- Seravin L.N., Shiganova T. and Luppova N.E. 2002. The history of study of ctenophore *Beroe ovata* (Ctenophora, Atentaculata, Beroida) and some features of morphology of its Black Sea representative. Zoolog. Jour. 81, 10:1193-1201.
- Shiganova T. A., Mirzoyan Z. A., Studenikina E. A., Volovik S. P., Siokou-Frangou I., Zervoudaki S., Christou E. D., Skirta A. Y. and Dumont H. 2001. Population development of the invader ctenophore *Mnemiopsis leidyi* in the Black Sea and other seas of the Mediterranean basin. Marine Biol. 139: 431-445.
- Shiganova T. A., Christou E. D, J. V. Bulgakova J. V., Siokou-Frangou I., Zervoudaki S., Siapatis A. 2003. Study on the distribution and biology of the invader *M.leidyi* in the northern Aegean Sea, comparison with indigenous species *Bolinopsis vitrea*. Eds. Dumont, H., T. Shiganova and U. Niermann – The Ctenophore *Mnemiopsis leidyi* in the Ponto-Caspian and other aquatic invasions - NATO ASI Series, 2. Environment-. Kluwer Academic Publishers: 113-135.
- Shiganova T.A. 1993 Ctenophore *Mnemiopsis leidyi* and ichthyoplankton in the Sea of Marmara in October of 1992. Oceanology . 33 (6), p.900-903

- Shiganova T.A. 1997. *Mnemiopsis leidyi* abundance in the Black Sea and its impact on the pelagic community. In "Sensitivity of the North, Baltic Sea and Black Sea to anthropogenic and climatic changes" Sp. Volume. Ed. E. Ozsoy and A. Mikaelyan. Kluwer Acad. Pub.p.117-130.
- Shiganova T.A. 1998. Invasion of the Black Sea by the ctenophore *Mnemiopsis leidyi* and recent changes in pelagic community structure. Fisheries Oceanography –Globec Special Issue Ed. Steeve Coombs.p.305-310
- Shiganova T.A. 2005. Review. The changes in appendicularian *Oikopleura dioica* abundance caused by invasion of ctenophores in the Black Sea. J.Mar.Biol.Ass.UK.85. 477-494.
- Shiganova T.A. and Bulgakova Y.V. 2000 Effect of gelatinous plankton on the Black and Azov Sea fish and their fish resources. ICES Journal of Marine Science 57: 641-648.
- Shiganova T.A., B.Ozturk, A.Dede 1994. Distribution of the ichthyo, jelly- and zooplankton in the Sea of Marmara. FAO Fisheries Report No 495. P. 141-145
- Shiganova T.A., Dumont H. J. D. Mikaelyan A. , Glazov D. M. 2004. Interaction between the Invading Ctenophores *Mnemiopsis leidyi* (A. Agassiz) and *Beroe ovata* Mayer 1912, and their Influence on the Pelagic Ecosystem of the Northeastern Black Sea Eds. Dumont, H., T. Shiganova and U. Niermann 2003: The Ctenophore *Mnemiopsis leidyi* in the Ponto-Caspian and other aquatic invasions - NATO ASI Series, 2. Environment-. Kluwer Academic Publishers: 33-70
- Shiganova T.A.,Dumont H.,Sokolsky A.F., Kamakin A. M. , Tinenkova D. and Kurasheva E. K. 2004. Population dynamics of *Mnemiopsis leidyi* in the Caspian Sea, and effects on the Caspian ecosystem. Eds. Dumont, H., T. Shiganova and U. Niermann – The Ctenophore *Mnemiopsis leidyi* in the Ponto-Caspian and other aquatic invasions - NATO ASI Series, 2. Environment-. Kluwer Academic Publishers: 71-111
- Shiganova T.A.,U.Niermann, A.C.Gugu, A.Kideys and V.S.Khoroshilov 1998. Changes of species diversity and their abundance in the main components of pelagic community after *Mnemiopsis leidyi* invasion . “NATO Scientific Affairs Division” Kluwer Academic Publishers ed. L.Ivanov and T.Oguz. p.171-188
- Shiganova T.A.,U.Niermann, A.C.Gugu, A.Kideys and V.S.Khoroshilov 1997. Changes of species diversity and their abundance in the main components of pelagic community after *Mnemiopsis leidyi* invasion Report on the symposium on scientific results of NATO TU Black Sea project «Science for stability»: 126-133.
- Shiganova T. A., Kamakin A.M., Zhukova .P., Ushivtzev V., Dulimov A.B. and Musaeva E.I. 2001. Invader in the Caspian Sea -ctenophore *Mnemiopsis* and initial results of its effect on the pelagic ecosystem// Oceanology, 41, 4 :542-549.
- Shiganova, T. A., V. V. Sapognikov, E. I. Musaeva, M. M. Domanov and Y. V. Bulgakova, 2003. Factors that determine pattern of distribution and abundance *Mnemiopsis leidyi* and its effect on ecosystem in the Northern Caspian. Oceanology. 43, 5: 716-733.
- Shiganova, T. A.,, E. I. Musaeva, L.A. Pautova and Y. V. Bulgakova 2005. The problem of invaders in the Caspian Sea in connection with new findings of the Black Sea species Biological Bulletin. N 1. :78-87 (in Russian)
- Shiganova, T. A.,, E. I. Musaeva and Y. V. Bulgakova, 2003. Ctenophores invaders *Mnemiopsis leidyi* (A.Agassiz) and *Beroe ovata* Mayer 1912, and their effect on the pelagic ecosystem of the northeastern Black Sea. Biological Bulletin 2: 225-235.
- Shiganova, T. A, 1997. *Mnemiopsis leidyi* abundance in the Black Sea and its impact on the pelagic community. *NATO ASI Series*, 2.Environment-vol.2/27, “Ecosystem Modeling as a Management Tool for the Black Sea, Symposium on Scientific Results”, L. Ivanov and T. Oguz (eds.), v. 1, (Kluwer Academic Publishers), 117-129.
- Shiganova, T.A., 1998. Invasion of the Black Sea by the ctenophore *Mnemiopsis leidyi* and recent changes in the pelagic community structure. Fisheries Oceanography 7, 305-310.

- Shiganova, T.A., Kideys, A.E., Gucu, A.C., Niermann U. & Khoroshilov, V.S., 1998. Changes in species diversity and abundance of the main components of the Black Sea pelagic community during the last decade. In: NATO TU-Black Sea Project: Ecosystem Modeling as a Management Tool for the Black Sea, Symposium on Scientific Results, L. Ivanov and T. Oguz (eds.), Kluwer Academic Publishers, pp.171-188.
- Shiganova, T.A., Z.A.Mirzoyan E.A. Studenikina, S.P.Volovik, I.Siokou-Frangou, S.Zervoudaki, E.D. Christou, A.Y.Skirta, and H.J.Dumont, 2001a. Population development of the invader ctenophore *Mnemiopsis leidyi*, in the Black Sea and other seas of the Mediterranean basin. *Marine Biology*, 139: 431-445.
- Shiganova, TA., Bulgakova JV, Volovik SP, Mirzoyan ZA and Dudkin SI. 2001. A new invader, *Beroe ovata* Mayer 1912 and its effect on the ecosystems of the Black and Azov Seas. *Hydrobiologia*.451. Eds. J.E.Purcell, W.M.Graham and H.J.Dumont: Kluwer Ac.pub 451.P.187-197.
- Shorthouse C. A. and Arnell N. W., 1997 "Spatial and temporal variability in European river flows and the North Atlantic oscillation", Proc. FRIEND '97-Regional Hydrology: Concepts and Models for Sustainable Water Resource Management Postojna, Slovenia, IAHS Publ. No. 246, 77-85.
- Shulman, G.E., Yuneva, T.V., Yunev, O.A., Svetlichny, L S., Anninsky, B.E., Romanova, Z.A., Arashkevich, E.G., Kideys, A.E., Bingel, F., Uysal, Z. and Yilmaz, A., 1998. A biochemical approach for the estimation of food provision for heterotrophic organisms of the Black Sea. In: NATO TU-Black Sea Project: Ecosystem Modeling as a Management Tool for the Black Sea, Symposium on Scientific Results, L. Ivanov and T. Oguz (eds.), Kluwer Academic Publishers, pp.263-280.
- Shushkina, E. A., Nikolaeva, G. G. and Lukashova, T. A. 1990. Structural changes of the Black Sea plankton community related to ctenophore *Mnemiopsis leidyi* (A. Agassiz) development. *Journal of General Biology*, v. 51, #1, p. 54-60 (in Russian).
- Shushkina, E. A., Viniogradov, M. E. 1991. Multiyear changes of plankton biomass in the Black Sea. *Oceanology*, v. 31, #6, p. 973-980 (in Russian).
- Shushkina, E.A. and Musaeva, E.I., 1983. Role of medusae in plankton community energetics. *Oceanology* 23, 125-130.
- Simeonov, J., E. V. Stanev, J. Backhaus, J. Jungclaus, and V. Roussenov (1997). Heat and salt intrusions in the pycnocline from sinking plumes. Test case for the entrainment in the Black Sea. in E. Ozsoy and A. Mikaelyan (eds.), Sensitivity to change: Black Sea, Baltic Sea and North Sea, NATO ASI Series, Vol. 27, Kluwer Academic Publishers, 417-438.
- Simmons, A.J. and J.K. Gibson, 2000. The ERA-40 project plan. ERA-40 Project Report Series, Tech. Rep. 1, European Centre for Medium-Range Weather Forecasts, Reading, U.K.
- Simonov A.I. and E.N. Altman (Eds.), 1991. Hydrometeorology and Hydrochemistry of the USSR Seas. The Black Sea Vol. IV Gidrometeoizdat, St. Petersburg, 430 pp.
- Siokou-Frangou I., Christou E.D., Fragopoulou N. and Mazzocchi M.G. 1997. Mesozooplankton distribution from Sicily to Cyprus (Eastern Mediterranean): II. Copepod assemblages. *Oceanologica Acta*, 20 (3): 537-548.
- Siokou-Frangou I., T. Shiganova, E. Christou, A. Gubanova, L. Kamburska, A. Konsulov, E. Musaeva , V. Skryabin and V. Khoroshilov, 2004. Mesoplankton communities in the Aegean and the Black Seas: a comparative study. *Marine biology*.144: 1111-1128
- Skliris, N. and Lascaratos, A., 2004. Impacts of the Nile River damming on the thermohaline circulation and water mass characteristics of the Mediterranean Sea. *Journal of Marine Systems*, 52, 121– 143.
- Slava D. 2004. Long-term evolution of the hydrological and hydrochemical parameters in the Bulgarian Black Sea waters, 4th Int. Black Sea Conference "Environmental Protection Technologies for Coastal Areas", BNAWQ, June 8-9, 2004, Varna, Bulgaria, Proc., BNAWQ Conference, 2004.

- SNAMPROGETTI 1991. Mappatura delle praterie di *Posidonia oceanica* lungo le coste delle regioni Liguria, Toscana, Lazio, Basilicata e Puglia. Relazione per il Ministero della Marina Mercantile - Ispettorato Centrale per la Difesa del Mare.
- Snovsky, Z. and B.S. Galil. 1990. The occurrence of the American blue crab, *Callinectes sapidus* Rathbun, in the Sea of Galilee. Bamidgeh 42(2): 62-63.
- Sokolova, E., E. V. Stanev, V. Yakubenko, I. Ovchinnikov and R. Kosyan (2001). Synoptic variability of the Black Sea. Analysis of hydrographic survey and altimeter data, J. Mar. Sys. 31, 45-63.
- Solazzi A., Totti C. and Marzocchi M. 1994 Epifitismo in *Halimeda tuna* (El. Et Sol.) Lam. (Chlorophyceae, Siphonales) Isole Tremiti, Adriatico Meridionale. Nova Thalassia 12: pp. 69-79.
- Solazzi A., Zocco M., Volpe S. and Marzocchi M. 1985. Osservazioni sull'epifitismo in alghe bentoniche. Boll. Acc. Gioenia Sci. Nat., Vol. 18, n. 326, pp. 443-454.
- Sournia, A., 1973. La production primaire planctonique en Mediterranee, Essai de mise en jour. Bull. Et. Comm. Medit., 5(no sp.): 128.
- Souvermezoglou, E. and E. Krasakopoulou, 2002. High oxygen consumption rates in the deep layers of the North Aegean Sea. Mediterranean Marine Sciences, 3, 1, 55-64.
- Soydemir, N., A. Kideys and G. Ekinger., 2002. Phytoplankton composition of the western Black Sea during May-June, 2001., 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey, 360.
- Spall, M. A., 2004. Boundary currents and water mass transformation in marginal seas. Journal of Physical Oceanography, 34(5), 1197–1213.
- Spanakis E., Tsimenides N. and Zouros E. 1989. Genetic differences between populations of sardine, *Sardina pilchardus*, and anchovy, *Engraulis encrasicolus*, in the Aegean and Ionian seas. *Journal of Fish Biology* 35: 417-437.
- Spanier, E. and B.S. Galil. 1991. Lessepsian migration - a continuous biogeographical process. Endeavour 15(3): 102-106.
- Spanier, E. and Goren, M. 1988. An Indo-Pacific trunkfish *Tetrosomus gibbosus* (Linneus): first record of the family Ostracionidae in the Mediterranean. J. Fish Biol. 32: 797-798.
- Sparnocchia, S., Gasparini, G.P., Astraldi, M., Borghini, M., Pistek, P. 1999. Dynamics and mixing of the Eastern Mediterranean outflow in the Tyrrhenian Sea. In: Gacic, M., Astraldi, M., La Violette, P.E. (Eds.), The Mediterranean Sea, Circulation, Strait Exchange and Dense Water Formation. J. Mar. Syst., pp. 301–332.
- Sparnocchia, S., Manzella, G.M. and La Violette, P. 1994. The interannual and seasonal variability of the MAW and LIW core properties in the Western Mediterranean. In: La Violette, P.E. (Ed.), The Seasonal and Interannual Variability of the Western Mediterranean Sea. Coastal and Estuarine Studies, vol. 46., AGU, Augsburg, pp. 177–194.
- Spicer I.J.1931. Fisheries. In: Report of the Department of Agriculture and Forests for the years 1927-30. pp. 159-160, Printing Office, Russian Building, Jerusalem.
- Stamatis C., Triantafyllidis A., Moutou K.A. and Mamuris Z. 2004. Mitochondrial DNA variation in Northeast Atlantic and Mediterranean populations of Norway lobster, *Nephrops norwegicus*. Molecular Ecology 13:1377-1390
- Stanev, E. V. 1987. One-dimensional model of oxygen and hydrogen sulphide propagation in the Black Sea, Marine Hydroph. J. (Sevastopol), 3, 35-40, (in Russian).
- Stanev, E. V. 1988. Numerical study on the Black Sea circulation. Mitteilungen des Instituts für Meereskunde der Universität, Hamburg, 28, 232 pp.
- Stanev, E. V. 1989. Numerical modelling of the circulation and hydrogen sulphide and oxygen distribution in the Black Sea. Deep-Sea Res., 36, 1053-1065.

- Stanev, E. V. 1989. On the response of the Black Sea eddy field to seasonal forcing. In: Mesoscale/Synoptic coherent structures in geophysical turbulence. J. C. J. Nihoul and B. M. Jamart (editors), Elsevier, 423-433.
- Stanev, E. V. 1990a. The general circulation of the Black Sea: An indicator of climatic changes. Part I. The numerical model. Bulg. J. Meteorology and Hydrology, 1, 3-4, 180-189.
- Stanev, E. V. 1990b. The General circulation of the Black Sea: an indicator of climatic changes. Part II. Model sensitivity studies to different forcing, Bulg. J. Meteorology and Hydrology, 1, 3-4, 201-211.
- Stanev, E. V. 1990c. On the mechanisms of the Black Sea circulation. Earth-Science Reviews, 28: 285-319.
- Stanev, E. V. 2005. Understanding Black Sea Dynamics: Overview of recent modelling, Oceanography (In press)
- Stanev, E. V. and J. M. Beckers 1999a. Barotropic and baroclinic oscillations in strongly stratified ocean basins. Numerical study for the Black Sea. J. Mar. Sys., 19, 65-112.
- Stanev, E. V. and J. M. Beckers 1999b. Numerical simulations of seasonal and interannual variability of the Black Sea thermohaline circulation. J. Mar. Sys., 22, 241-267.
- Stanev, E. V., J. M. Beckers, Ch. Lancelot, J. V. Staneva, P. Y. Le Traon, E. L. Peneva, and M. Gregoire 2002. Coastal-open ocean exchange in the Black Sea: Observations and modeling. Estua. Coast and Shelf Sci., 54, 601-620.
- Stanev, E. V., M. J. Bowman, E. L. Peneva and J. V. Staneva 2003. Control of Black Sea intermediate water mass formation by dynamics and topography: comparisons of numerical simulations, survey and satellite data. J. Mar. -Res., 61, 59-99.
- Stanev, E. V., K. O. Buesseler, J. V. Staneva and H. D. Livingston 1999. The fate of Chernobyl 90Sr in the Black Sea. Validation of numerical simulations against observed data. Journal of Envir. Radioactivity, 43,2, 187-203.
- Stanev, E. V., E. H. Donev and T. Z. Dzioev 1980. On the impact of turbulence and bottom relief on the Black Sea currents, Meteorologiya i Hidrologiya, 1, 69-76, (in Russian).
- Stanev, E. V., G. Floeser and J.-O. Wolff 2003. First- and higher-order dynamical controls on water exchanges between tidal basins and the open ocean. A Case Study for the East Frisian Wadden Sea, Ocean Dynamics, 53: 146-165.
- Stanev, E. V., P. Y. Le Traon and E. L. Peneva 2000. Seasonal and interannual variations of sea level and their dependency on meteorological and hydrological forcing. Analysis of altimeter and surface data for the Black Sea. J. Geoph. Res., Vol. 105, c7, 17203-17216.
- Stanev, E. V., L. I. Milenova, V. M. Roussenov and E. K. Roumenina 1986. Dynamics of the western Black Sea: Remote sensing and modeling. Issledowania Zemli iz kosmossa (Moscow), 1, 26-31, (in Russian).
- Stanev, E.V. and E.L. Peneva 2002. Regional sea level response to global climatic change: Black Sea examples. Global and Planetary Change 32: 33-47.
- Stanev, E. V. and N. H. Rachev 1999. Numerical study on the planetary Rossby waves in the Black Sea. J. Mar. Sys., 21, 283-306.
- Stanev, E.V., J.A Simeonov, and E.L. Peneva 2001. Ventilation of Black Sea pycnocline by the Mediterranean plume. Journal of Marine Systems, 31: 77-97.
- Stanev, E. V. and J. V. Staneva 2000. The impact of the baroclinic eddies and basin oscillations on the transitions between different quasi-stable states of the Black Sea circulation. J. Mar. Sys., 24,1-2,3-26.
- Stanev, E. V. and J. V. Staneva 2001. The sensitivity of the heat exchange at ocean surface to meso and sub-basin scale eddies. Model study for the Black Sea. Dyn. Atmos. and Oceans, 33, 163-189.
- Stanev, E. V., J. Staneva, J. L. Bullister and J. W. Murray 2004. Ventilation of the Black Sea Pycnocline. Parameterization of Convection, Numerical Simulations and Validations against Observed Chlorofluorocarbon Data. Deep-Sea Res. 51/12, 2137-2169.

- Stanev, E. V., J. V. Staneva and I. G. Gospodinov 1998. Numerical tracer model of surface and intermediate water formation in the Black Sea, In: L. Ivanov and T. Oguz (eds.), Ecosystem modelling as a management tool for the Black Sea, Vol. 2, 197-219. Kluwer Academic Publishers.
- Stanev, E. V., J. V. Staneva and V. M. Roussenov 1997. On the Black Sea water mass formation. Model sensitivity study to atmospheric forcing and parameterization of physical processes. *J. Mar. Sys.* 13, 245-272.
- Stanev, E. V., D. I. Trukhachev and V. M. Roussenov 1988. The Black Sea circulation and numerical modeling of the Black Sea currents. Sofia University Press, 240 pp. (in Russian).
- Stanev, E. V., J. -O. Wolff, H. Burchard, K. Bolding and G. Floeser 2003a. On the Circulation in the East Frisian Wadden Sea: Numerical modeling and data analysis. *Ocean Dynamics*, 53, 27-51.
- Staneva, J. V., K. O. Buesseler, E. V. Stanev and H. D. Livingston 1999. Application of radiotracers to study Black Sea circulation: Validation of numerical simulations against observed weapon testing and Chernobyl 137Cs data. *J. Geoph. Res.*, 104, 11099-11114.
- Staneva, J. V., D. Dietrich, E. Stanev and M. Bowman 2001. Rim current and coastal eddy mechanisms in an eddy-resolving Black Sea general circulation model. *J. Mar. Sys.* 3, 137-157.
- Staneva, J. and Kourafalou, V. 2002. Modelling the response of the northwestern Black Sea shelf ecosystem to the atmospheric conditions and the Danube river discharge; European Geophysical Society XXVII General Assembly; Conference proceeding
- Staneva, J. Kourafalou V., Tsiaras K. and Stanev E. 2002. The response of the Black Sea ecosystem to changes in physical conditions and nutrient discharge from Danube River; Proc., Int. Conf. on Oceanography of the Eastern Mediterranean and Black Sea: Similarities and differences of two interconnected basins, October 2002, Ankara, Turkey.
- Staneva, J. V.,and E. V. Stanev 1997. Cold water mass formation in the Black Sea. Analysis on numerical model simulations. in E. Ozsoy and A. Mikaelyan (eds.), Sensitivity to change: Black Sea, Baltic Sea and North Sea, NATO ASI Series, Vol. 27, Kluwer Academic Publishers, 375-393.
- Staneva J. V. and E. V. Stanev 1998. Oceanic Response to Atmospheric Forcing Derived from Different Climatic Data Sets. Intercomparison Study for the Black Sea *Oceanol Acta*, 21, 393-417.
- Staneva, J. V. and E.V. Stanev 2002. Water mass formation in the Black Sea during 1991-1995. *J. Mar. Sys.*, 32, 199-218.
- Staneva, J., Stanev and E. Kourafalou V.H. 2002. Ecosystem Response to Nutrient Loading and Climate Changes. A Case Study for the Black Sea; IMEMS 2002, Conf. Proc., 6th Int. Marine Environmental Modelling Seminar Sept., 2002, Trondheim, Norway.
- Staneva, J. V., E. V. Stanev and N. H. Rachev, 1995. Heat balance estimates using atmospheric analysis data. A case study for the Black Sea. *J. Geoph. Res.* 100, C9, 18581-18596.
- Stashchuk, N. and K. Hutter, 2001. Modelling of water exchange through the Strait of Dardanelles, *Cont. Shelf Res.*, 21, 1361-1382.
- Stefanni S. and Thorley J.L. 2003. Mitochondrial DNA phylogeography reveals the existence of an Evolutionary Significant Unit of the sand goby *Pomatoschistus minutus* in the Adriatic (Eastern Mediterranean). *Molecular Phylogenetics and Evolution* 28:601-609
- Steinfeldt, R., 2004. Ages and age spectra of Eastern Mediterranean Deep Water. *Journal of Marine Systems*, 48, 1-4, 67-81.
- Steinitz W., 1927. Beitrage zur Kenntnis der Kustenfauna Palestinas. I. Pubblicazioni della Stazione Zoologica di Napoli, 8(3-4): 311-353.
- Steinitz, W. 1929. Die Wanderung indopazifischer Arten ins Mittelmeer seit Beginn der Quartärperiode. (The migration of Indo-Pacific species into the Mediterranean Sea since the beginning of the quaternary.) *Intern. Revue Hydrobiol.* 22: 1-90.

- Steinitz, H. 1967. A tentative list of immigrants via the Suez Canal. Israel J. Zool. 16(3): 166-169.
- Steinitz, H. 1970. Critical list of immigrants via the Suez Canal. The Hebrew Univ. - Smithsonian Inst. Joint Progr.: Biota of the Red Sea and the Eastern Mediterranean, Progr. Report Dept. Zool. Hebrew Univ. Jerusalem p. 64-74.
- Stelmakh L. V., 1995. Sezonnye izmenenia pervichnoy produktsii Cemogo morya (Seasonal changes of primary production in the Black Sea). In: Kompleksnye ekologicheskie issledovaniya Chemogo morya (Complex ecological research of the Black Sea), Sevastopol, 111-120.
- Stelmakh L.V., I.I. Babich and S.V. Lyashenko, 2002. Seasonal variability of the carbon:chlorophyll-a ratio in phytoplankton of the coastal waters of the Black Sea., 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey, 390.
- Stelmakh L.V. and O.V. Krivenko, 2002. Seasonal variability of "NEW" Primary production in the open part of the Black Sea, 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey, 275.
- Stelmakh,L., Yunev, O. and Z. Finenko, 1998. Peculiarities of seasonal variability of primary production in the Black Sea. NATO TU-Black Sea Project: Ecosystem Modeling as a Management Tool for the Black Sea, Symposium on Scientific Results, L. Ivanov and T. Oguz (eds.), Kluwer Academic Publishers 1, 93-104
- Stereva, G., Moncheva S., Doncheva V, Christova O. and I. Shterev, 1999. Changes of the chemical parameters in the close coastal Black Sea area (Bulgarian part) as indication of the ecological characteristic of the environment. Water Science and Technology, vol. 39, 8, 37-45. IWA Publishing Ltd., UK.
- Stergiou K.I., 1988. Feeding habits of the Lessepsian migrant *Siganus luridus* in the eastern Mediterranean, its new environment. Journal of Fish Biology, 33: 531-543. .
- Stergiou, K. I., E. D. Christou, D. Georgopoulos, A. Zenetos and E. Souvermezoglou, 1997. The Hellenic Sea: their physics, chemistry, biology and fisheries. Oceanography and Marine Biology, 35, 415-538.
- Stevcic, Z. and B. Galil. 1994. Checklist of the Mediterranean brachyuran crabs. Acta Adriatica 34(1/2): 65-76.
- Stommel H., Deep winter-time convection in the Western Mediterranean Sea. Studies in Physical Oceanography, Vol.2 edited by A.L. Gordon, Gordon and Breach, New York, 207-218 1972.
- Stoykov S., Kolarov P., Stanev Ts., Murdjeva D., Atanasova V., Kolemanova K., 1994. Ecological state of the biota in Burgas bay. Proc. of the Inst. Fish. – Varna, 25, 153-174. (in Bulgarian)
- Stoykov, S., Petrova, E. 2001a. Dynamics of macrozoobenthos in Varna Bay (the Black Sea) during 2000; Stock-farming Sciences; Vol. 26. 121-130Stoykov S., Petrova E, 2001b. Investigations on macrozoobenthic communities in Varna bay in 2000. Stock-breeding science, XXVIII (5), 45-49. (in Bulgarian)
- Stoykov S. and Uzunova S., 1999. Dynamics of macrozoobenthos from the Bourgas bay (Bulgarian Black Sea coast) during the period 1993-1995. Proc., Inst. Fish. – Varna, 25, 153-174.
- Stoykov, S. and Uzunova, S. 2001. Dynamics of macrozoobenthos in the Southern Bulgarian Black Sea coastal and open-sea areas; Mediterranean Marine Science; Vol. 2/1, 27-35
- Stratford, K. and K. Haines, 2002. Modelling changes in Mediterranean thermohaline circulation 1987-1995. J. Marine Systems, 33-34, 51-62.
- Struglia, M. V., A. Mariotti and A. Filograsso, 2004. River Discharge into the Mediterranean Sea: Climatology and Aspects of the Observed Variability, J. Climate, 17, 4740-4751.

- Studenikina, E.I., Volovik', S.P. and Mirzoyan, Z.A., 1991. Comb Jelly *Mnemiopsis leidyi* in the Azov Sea, Okeanologiya, Vol. 31, no. 6: 722--725.
- Sukhanova, I.N., Flint, M.V., Hibaum, G., Karamfilov, V., Kopylov, A.I., Matveeva, E., Rat'kova, T.N. and Sazhin, A.F., 1988. *Exuvia cordata* red tide in Bulgarian coastal waters (May to June 1986). Mar. Biol., 99: 1-8.
- Sur, H. I., E. Ozsoy and U. Unluata. 1994. Boundary current instabilities, upwelling, shelf mixing and eutrophication processes in the Black Sea, Prog. Oceanogr., 33, 249-302.
- Sur, H. I., E. Ozsoy, Y. P. Ilyin and U. Unluata ,1996. Coastal/deep interactions in the Black Sea and their ecological / environmental impacts, J. Mar. Systems, 7, 293-320.
- Sur, H.I., Özsoy, E. and Ünluata, Ü., 1992. Simultaneous deep and intermediate depth convection in the northern Levantine Sea, winter 1992. Oceanol. Acta 16, 33– 43.
- Suzuki N., Nishida M., Yoseda K., Stundag C. U., Sahin T. and Amaoka K. 2004. Phylogeographic relationships within the Mediterranean turbot inferred by mitochondrial DNA haplotype variation. Journal of Fish Biology 65:580-585
- Sverdrup, H. U., Johnson, M. W. and Flemming, R. H. 1947. The Oceans. Their physics, chemistry and general biology. Prentice-Hall Inc, Englewood Cliffs, N. J., Modern Asia edition, 1961, p. 647.
- Svetlichny, L., A. Kideys, S. Besiktepe and E. Hubareva, 2002. *Calanus euxinus* in the Black and Marmara Seas: Morphology, Ecology and Energetic Development Strategy. Proc., 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey p.137
- Tardent P., 1959. Capture d'un *Abudefduf saxatilis* vaigiensis Q. und G. (Pisces, Pomacentridae) dans le Golfe de Naples. Revue Suisse de Zoologie, 66: 347-351.
- Tasev V. and Tasev S., 2002. An estimate of the covered area with mussel fields using sonar survey. In: Proc., 6th Int. Conf. on Marine Science and Technology "Black Sea - 2002", October 10-12, 2002, Varna, Bulgaria. vol. 1, 330-335.
- Taskavak E., Bilecenglu M., Basusta N. and Mater S., 2000. Occurrence of *Pteragogus pelycus* Randall, 1981 (Tetoste: Labridae) and *Petroscirtes aenylodon* Ruppell, 1838 (Teleoste: Blennidae) at the eastern Mediterranean coast of Turkey. Acta Adriatica, 41: 53-58.
- Taskavak, E., Mater, S. and Bilecenoglu, M. 1998. The distribution of Red Sea immigrant fishes in the eastern Mediterranean coast (Mersin-Samandag) and their impacts on the regional fisheries. East Anatolia Region III. Symposium on Fisheries, Erzurum, 1998. p. 151-162. (mimeographed) [In Turkish].
- Taupier-Letage, I., Puillat, I., Raimbault, P. and Millot, C. (2003). Biological response to mesoscale eddies in the Algerian Basin. Journal of Geophysical Research, 108(C8), 3245.
- Temniskova, D. S. Moncheva and K. Kiriakov, 2005. Biodiversity of Algae in Bulgaria: present state, problems and perspective", Edit. Petrova, In: State of the art of Biodiversity in Bulgaria, Publ. Drakon, Sofia (in Bulgarian).
- Terlizzi A., Fraschetti S., D'Ambrosio P., De Pippo T., Terlizzi F., Donadio C., Vaglio C., Guarnieri G. and Boero F. 2002. Le comunità bentoniche della Riserva Marina di Torre Guaceto: profilo ecotipologico e carta bionomica. Relazione tecnica, 32pp
- Terlizzi A., Fraschetti S., D'Ambrosio P., Petrosillo I., Terlizzi F. and Boero F. 2001. L'ambiente marino antistante il Canale del Rio (Tricase, Lecce): profilo morfo-batimetrico e caratterizzazione bionomica. Relazione tecnica, 22 pp
- Terlizzi A., Geraci S. and Minganti E. 1998. Tributyltin (TBT) pollution in the coastal waters of Italy as indicated by Imposex in *Hexaplex trunculus* (Gastropoda, Muricidae). Marine Pollution Bulletin, Vol.36, 9, pp.749-752
- Terlizzi A. and Russo G. F. 1995. Variabilità strutturale del popolamento a molluschi di alcune praterie di *Posidonia oceanica* del Mediterraneo. Biologia Marina Mediterranea, 2(2), pp. 423-426.

- Terlizzi A., Scuderi D., Fraschetti S., Guidetti P. and Boero F. 2003. Molluscs on subtidal cliffs: patterns of spatial distribution. *J. Mar. Biol. Ass. U.K.* (2003), 83, pp. 165-172
- Terlizzi A.. Fraschetti S.. Guidetti P. and Boero F. 2002. The effects of sewage discharge on shallow hard substrate sessile assemblages. *Marine Pollution Bulletin*, Vol 44, Issue: 6, June, 2002, pp. 544-550
- Terlizzi, A., Benedetti-Cecchi, L., Bevilacqua, S., Fraschetti, S., Guidetti, P. and Anderson, M. J. 2005. Multivariate and univariate asymmetrical analyses in environmental impact assessment: a case study of Mediterranean subtidal hard substrate sessile assemblages. *Marine Ecology Progress Series* 289, 27-42.
- Terzic, S., M. Ahel, T. Djakovac and D. Degobbis, 2002. Phytoplankton Response to Nutrient Dynamics in the Northern Adriatic as Reflected by Biomarker Pigments, Proc., 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey p.123.
- Testor, P. and J. C. Gascard, 2003, Large-scale spreading of deep waters in the western Mediterranean Sea by submesoscale coherent eddies, *J. Phys. Oceanogr.*, 33, 75-87.
- Testor, P. and J.-C. Gascard, 2005. Large scale flow separation and mesoscale eddy formation in the Algerian Basin. *Progress in Oceanography*, in press.
- The Liwex Group, 2003. The Levantine Intermediate Water Experiment (Liwex) Group, (2003) Levantine basin—A laboratory for multiple water mass formation processes, *Journal of Geophysical Research*, 108, C9, 8101.
- Theocharis A., 1992. Deep water formation and circulation in the Aegean Sea. In: Winds and currents of the Mediterranean basin, W'shop Proc., Santa Teresa, La Spezia, Italy, NATO Advanced Science Institute (ASI): Atmospheric and Oceanic Circulation in the Mediterranean Basin, 7–14 September (1983, H. Charnock), Harvard University Report in Meteorology and Oceanography 41, 1, 335–359.
- Theocharis, A., Balopoulos, E., Kioroglou, S., Kontoyiannis, H. and Iona, A. 1999. A synthesis of the circulation and hydrography of the South Aegean Sea and the Straits of the Cretan Arc (March 1994 – January 1995). *Progress in Oceanography*, 44, 469-509.
- Theocharis, A., Gacic, M. and Kontoyiannis, H., 1998. Physical and dynamical processes in the coastal and shelf areas of the Mediterranean. In: *The Sea*, 11, edited by A. R. Robinson and K. H. Brink, John Wiley and Sons, Inc., ISBN 0-471-11545-2, pp. 863-887.
- Theocharis A. and Georgopoulos D. 1993. Dense water formation over the Samothraki and Lemnos plateaux in the north Aegean Sea (eastern Mediterranean Sea). *Continental Shelf Research* 13(8–9): 919–939.
- Theocharis A, Georgopoulos D., Lascaratos A. & Nittis, K., 1993. Water masses and circulation in the central region of the Eastern Mediterranean: Eastern Ionian, South Aegean and Northwest Levantine, 1986-1987. *Deep Sea Research II*, 40, 6, 1121–1142.
- Theocharis, A., D. Georgopoulos, P. Karagevrekis, A. Iona, L. Perivoliotis and N. Charalambidis, 1992. Aegean influence in the deep layers of the Eastern Ionian Sea (October 1991), *Rapp. Comm. Int. Mer Medit.*, 33, 235.
- Theocharis, A., D. Georgopoulos and G. Zodiatis G., 1988. Late winter hydrological characteristics and circulation of the Cretan Sea (S. Aegean), EGS XIII General Assembly, Bologna, Italy, March, 1988, *Annales Geophysicae*, Special Issue, 70.
- Theocharis, A., Klein, B., Nittis, K. and Roether, W., (2002). Evolution and status of the Eastern Mediterranean Transient (1997–1999) *Journal of Marine Systems*, 33–34, 91– 116.
- Theocharis, A., H. Kontoyannis, S. Kioroglou and V. Papadopoulos, 1999c: Climatic changes in the Aegean Sea influence the Eastern Mediterranean thermohaline circulation (1986-1997). *Geophys. Res. Lett.*, 26, 1617-1620.
- Theocharis, A., Lascaratos, A. and Sofianos, S., 2002. Variability of sea water properties in the Ionian, Cretan and Levantine seas during the last century. In: Briand, F. (Ed.), *Tracking*

- long-term hydrological change in the Mediterranean Sea. CIESM Workshop Series, vol. 16, pp. 73– 76.
- Theocharis, A., Nittis, K., Kontoyiannis, H., Papageorgiou and E. Balopoulos, E., 1999. Climatic changes in the Aegean Sea influence the Eastern Mediterranean thermohaline circulation. *Geophysical Research Letters*, 26, 11, 1617-1620.
- Theocharis, A., E. Papageorgiou, and Zodiatis, G., 1990. Flows and water mass exchanges between the Aegean and Ionian Seas through the Straits of Kithira and Antikithira (late summer 1987), *Rapp. Comm. Int. Mer Medit.*, 32, 174.
- Theodorou, A. J., 1992. Physical oceanographic studies for the design of the Athens Sea outfall (Saronikos Gulf, Greece), *Water Sci. Technol.*, 25(9), 31-40.
- Theodorou, A., A. Theocharis and E. Balopoulos, 1997a. Circulation in the Cretan Sea and adjacent regions in late winter 1994, *Oceanol. Acta*, 20(4), 585-596.
- Theodorou, A., A. Theocharis and E. Balopoulos, 1997b. Hydrological structure of the Cretan Sea and adjacent regions in late winter 1994, *Boll. di Ocenografia Teoritica ed Applicata*, 38, 103-118.
- Theoharatos, G. A. and I. G. Tselepidaki, The temperature of the sea-surface in the region of the Aegean and its relation to air temperature, *Theor. Appl. Climatol.*, 42, 117-119, 1990.
- Therianos, A. D., Rainfall and geographical distribution of river runoff in Greece, *Bull. Geol. Soc. Greece*, XI, 28-58, 1974 [in Greek].
- Thingstad, T.F. and Rassoulzadegan, F., 1999. Conceptual models for the biogeochemical role of the photic zone microbial food web, with particular reference to the Mediterranean Sea. *Progress in Oceanography* 44(1-3), 271-286.
- Thorson, G. 1971. Animal migrations through the Suez Canal in the past recent years and the future. (A preliminary report). *Vie Milieu* 21: 841-846.
- Thunell, R. C. and D. F. Williams, 1989: Glacial-Holocene salinity changes in the Mediterranean Sea: hydrographic and depositional effects. *Nature*, 338, 493-496.
- Tillier, J.B. 1901. Note sur la penetration de deux especes de poissons de la mer Rouge dans les eaux du canal de Suez. *Bull. Soc. Aquic.*, Paris 25: 90-92..
- Tillier, J.B. 1902. Le canal de Suez et sa faune ichthyologique. *Mem. Soc. zool. France* 15: 279-318.
- Tillier, J.B., Bavay 1905. Les mollusques testaces du canal de Suez. *Bull. Soc. Zool. France* 30: 170-181.
- Tillier, J.B., Bavay 1906. Au sujet des mollusques testaces du canal de Suez. *Bull. Soc. Zool. France* 31: 129-131.
- Tinti F., Di Nunno C., Guarneri I., Talenti M., Tommasini S., Fabbri E. and Piccinetti C. 2002. Mitochondrial DNA sequence variation suggests the lack of genetic heterogeneity in the Adriatic and Ionian stocks of *Sardina pilchardus*. *Marine Biotechnology* 4:163-172
- Titov, V. B., Structure of the geostrophic currents in the northeastern Black Sea // *Oceanology (English Translation)*, 39, 1, 38–41, 1999.
- Tixeront J., 1971 “Le bilan hydrologique de la mer Noire et de la mer Méditerranée” Cah. *Oceanogr.*, 22 (3), 227-237.
- Tkach, A.V., Gordina, A.D., Kideys, A.E., Niermann, U. and Zaika, V.E., 1998. Changes in larval nutrition of the Black Sea fishes with respect to plankton. In: NATO TU-Black Sea Project: Ecosystem Modeling as a Management Tool for the Black Sea, Symposium on Scientific Results, L. Ivanov and T. Oguz (eds.), Kluwer Academic Publishers, pp.235-248.
- Todaro M.A., Balsamo M., Masci D. and Tongiorgi P. 2001. Emergenze meiobentoniche di una grotta marina del litorale salentino (Le). 62° Congresso Nazionale dell'Unione Zoologica Italiana, UZI, Sanremo (Im), pp 49 (Abstract)
- Todorova V., 2005. Ecological state of zoobenthic communities from sublittoral sediments of the North-western and Bulgarian Black Sea shelf. PhD thesis, 206 pp.

- Todorova V. and Konsulova Ts., 2000. Long term changes and recent state of Macrozoobenthic communities along the Bulgarian Black Sea coast. Mediterranean Marine Science,,1/1, 123-131.
- Todorova V. and Konsulova Ts., 2003. Community Pattern And Differentiation of Soft Sediments Macrofauna of the Bulgarian Black Sea Shelf. *Acta zoologica bulgarica*, 55 (3), 81-96.
- Tolmazin, D., 1985. Changing coastal oceanography of the Black Sea. I: Northwestern shelf. *Progress in Oceanography*, 15, 217-276.
- Tom, M. and B.S. Galil. 1991. The faunal associations of Haifa Bay, Mediterranean coast of Israel. *Mar. Ecol. 12(1)*: 75-86.
- Torchio, M. 1969. Minacce per l'ittiofauna Mediterranea: Le forme esotiche. *Atti. Soc. Ital. Sci. Natur Mus. Civ. Stor. Natur Milano* 109(1): 91-96.
- Torcu, H. and Mater, S. 2000. Lessepsian fishes spreading along the coasts of the Mediterranean and the Southern Aegean Sea of Turkey. *Turk. J. Zool.* 24: 139-148.
- Tortonese, E. 1952. Some field-notes on the fauna of the Suez Canal (Timsah and Bitter Lakes). *Hydrobiologi Istanbul (Ser. B)* 1(1): 1-6.
- Tortonese, E. 1953. Su alcuni pesci indo-pacifici immigrati nel Mediterraneo orientale. *Boll. Mus. Zool. Anat. Comp. Torino* 20(4-6): 73-81.
- Tortonese, E. 1973. Facts and perspectives related to the spreading of Red Sea organisms into the Eastern Mediterranean. *Ann. Mus. civico Storia Nat Genova* 79: 322-329.
- Tragou E., Zervakis V., Papadopoulos A., Maderich V.S., Georgopoulos D. and Theocharis, A., 2002. Buoyancy transport through the Aegean Sea. Proc., 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and Black Sea: Similarities and Differences of Two Interconnected Basins", Ankara, Turkey, 14 – 18 October 2002, pp. 38-46.
- Tragou, E. and A. Lascaratos, 2003. The role of aerosols on the Mediterranean solar radiation. *J. Geophys. Res.*, Vol. 108(C2), 3025,
- Trigo R.M., Pozo-Vazquez D., Osborn T.J., Castro-Diez J., Gamiz-Fortis S. and Esteban-Parra M.J. 2004. North Atlantic Oscillation influence on precipitation, river flow and water resources in the Iberian Peninsula. *Int.J.Climatol.* 24, 8, 925-944.
- Trukhchev, D. and E. V. Stanev 1983. Numerical model of sea currents in the western part of Black Sea. *Oceanologiya*, 23, 1, 17-22, (in Russian).
- Trukhchev, D., E. V. Stanev, G. D. Balashov, G. D. Miloshev and V. M. Roussenov 1985. Some singularities of meso-scale structure of hydrological fields in the western part of the Black Sea. *Oceanologiya*, 25, 4, 572-577, (in Russian).
- Tsichon-Lukanina, E.A., Reznichenko, O.G. and Lukashova, T.A., 1992. The feeding of ctenophora *Mnemiopsis* in coastal waters of the Black Sea, *Oceanology*, Engl. Transl., 32, 724-729.
- Tsichon-Lukanina, E.A., Reznichenko, O.G. and Lukashova, T.A., 1995. Nutrition of Ctenophora *Mnemiopsis*. *Fishery*, 14, 46-48 (in Russian).
- Tsikhon-Lukanina, E. A. and Reznichenko, O. G. 1991. Specific features of feeding of ctenophore *Mnemiopsis leidyi* in the Black Sea. *Oceanology*, v. 31, 3, p. 442-446 (in Russian).
- Tsikhon-Lukanina, E. A., Reznichenko, O. G. and Lukashova, T. A. 1993. Peak of ctenophore *Mnemiopsis* development. *Rybnoe khozyastvo*, 4, p. 41-43.
- Tsimplis, M.N., Woolf, D.K., Osborn, T.J., Wakelin, S., Wolf, J., Flather, R., Shaw, A.G.P., Woodworth, P., Challenor P., Blackman, D., Pert F., Yan, Z. and Jerjeva, S. Towards a vulnerability assessment of the UK and northern European coasts: the role of regional climate variability. *Philos. Trans. Royal Soc.* (in press)
- Tsimplis, M. N., and Baker, T. F. 2000. Sea level drop in the Mediterranean Sea: An indicator of deep water salinity and temperature changes? *Geophysical Research Letters*, 27, 12, 1731–1734.

- Tsimplis M.N. and D.Blackman, 1997. Extreme sea level distribution and return periods in the Aegean and Ionian Seas. *Estuarine Coastal and Shelf Science*, 44, 79-89
- Tsimplis, M. N., and Bryden, H. L. 2000. Estimation of the transports through the Strait of Gibraltar. *Deep-Sea Research I*, 47, 2219-2242.
- Tsimplis, M. N. and S. Josey, 2001. Forcing of the Mediterranean Sea by atmospheric oscillations over the North Atlantic. *Geophysical Research Letters*, 28, 5, 803-806.
- Tsimplis, M. N., S. A. Josey, M. Rixen and E. V. Stanev 2004, On the forcing of sea level in the Black Sea, *J. Geophys. Res.*, 109, C08015,
- Tsimplis, M. N., R. Proctor and R. A. Flather, 1995. A two-dimensional tidal model for the Mediterranean Sea, *J. Geophys. Res.*, 100, 16,223–16,239.
- Tsimplis, M. N. and M. Rixen, 2002. Sea level in the Mediterranean Sea: The contribution of temperature and salinity changes. *Geophysical Research Letters*, 29, 23, 2136, doi: 10.1029/2002GL015870.
- Tsimplis M.N and N.E.Spencer, 1997. Collection and analysis of monthly mean sea level data in the Mediterranean and Black Sea. *Journal of Coastal Research*, 13(2), 534-544
- Tsimplis M.N., A.F. Velegrakis , A. Theocharis and M.B.Collins, 1997. Low frequency current variability at the straits of Crete, Eastern Mediterranean. *Journal of Geophysical Research* , 102(C11), 25005-25020.
- Tsimplis M.N., A.F. Velegrakis, P.G. Drakopoulos, A. Theocharis and M.B. Collins, 1999. Cretan Deep Water Outflow in the Eastern Mediterranean, *Progress in Oceanography* (44)4 pp.531-551
- Tsimplis, M. N., and G. N. Vlahakis, 1994. Meteorological forcing and sea level variability in the Aegean Sea, *J. Geophys. Res.*, 99, 9879–9890.
- Tsimplis M.N. and P.L. Woodworth, 1994. The global distribution of the seasonal sea level cycle calculated from coastal tide-gauge data. *Journal of Geophysical Research*, 99(C8), 16031-16039.
- Tsurnamal, M. 1969. Sponges of Red Sea origin on the Mediterranean coast of Israel. *Israel J. Zool.* 18(2-3): 149-155.
- Tudela S., García-Marín J.L. and Pla C. 1999. Genetic structure of the European anchovy, *Engraulis encrasicolus* L., in the north-west Mediterranean. *Journal of Experimental Marine Biology and Ecology* 234:95-109
- Turley M., (1999) The changing Mediterranean Sea – a sensitive ecosystem? *Progress in Oceanography*, 44, 387-400.
- Turley, C.M., Bianchi, M., Christaki, U., Conan, P., Harris, J. R. W., Psarra, S., Ruddy, G., Stutt, E.D., Tselepides, A. and Van Wambeke, F., 2000. Relationship between primary producers and bacteria in an oligotrophic sea - the Mediterranean and biogeochemical implications. *Marine Ecology Progress Series* 193, 11-18.
- Tursi A. 1971. Primo contributo allo studio delle Ascidi del fondo a *Cladophora* di Porto Cesareo (Lecce). *Thalassia Salentina*, 5, pp. 31-38.
- Tursi A. 1976. Ascidies de la Mer Joni  ne des parages du nouveau port Italsider (Taranto), premi  re note: Campagne 1975. *Oebalia*, II, 1, pp.153-163.
- Tursi A. 1976. On four Ascidians species new in the Ionian sea. *Bull. Mus. Nat. Hist. Nat.*, Paris, 3,401, 278, pp. 975-986.
- Tursi A., Costantino G., Mastrototaro F. and Scardi M. 2001. Variazioni del grado di epifitismo in due praterie di *Posidonia oceanica* della riserva marina della riserva marina delle Isole Tremiti (Mar Adriatico). *Biologia Marina Mediterranea*, Vol.8 fasc.1 2001 parte 2 pp. 636-640
- Tursi A., Gherardi M. and Lepore E. 1974. Andamento stagionale di alcuni Ascidiacei del Mar Piccolo di Taranto: dati preliminari. *Mem. Biol. Marina e Oceanogr.*, N.S., Vol. IV, n. 4-5-6, pp. 421-434.

- Tursi A., Gherardi M., Lepore E. and Chieppa M. 1976. Settlements and growth of Ascidiarians on experimental panels in two harbours of Southern Italy. Proc. IV Cong. Int. Fouling, Antibes Juan-Les-Pins, pp. 535-543.
- Tursi A., Matarrese A., Cecere E. and Lenti M. 1985. Sviluppo di popolazioni bentoniche su pannelli fouling nel Mar Grande di Taranto. S.I.T.E. Atti 5, pp. 585-589.
- Tursi A., Matarrese A., Cecere E. and Ribecco N. 1985. Confronto tra l'accrescimento di *Mytilus galloprovincialis* Lam. Nel Mar piccolo e Mar Grande di Taranto Nova Thalassia, 7, Suppl. 3, pp. 367-372.
- Tursi A., Matarrese A., Costantino G., Pollicoro R. and Cecere E. 1990. Settlement periods of mussels larvae on artificial substrata dipped in the "Mar Piccolo" and the "Mar Grande" of Taranto (Southern Italy). Oebalia , Vol. XVI, N.S., pp. 87-97.
- Tursi A., Matarrese A., Montanaro C. and Cecere E. 1984. Ricolonizzazione di un banco di mitili nel Mar Piccolo di Taranto. Nova Thalassia, 6, Suppl., pp. 591-602.
- Tursi A., Matarrese A., Piscitelli G. and Gherardi M. 1981. Biocenosi del Mar Grande di Taranto. Quad. Lab. Tecnol. Pesca, 3 (1 suppl.), pp. 563-576.
- Tursi A., Matarrese A., Scalera Laci L., Cecere E., Montanaro C. and Chieppa M. 1985. Struttura della popolazione di *Mytilus galloprovincialis* (Lam.) presente nei banchi naturali del Mar Piccolo di Taranto. Quaderni del Lab. Tecnologia della Pesca, Ancona IV, 2, pp. 183-203.
- Tursi A., Matarrese A., Scalera Laci L., Costantino G., Cavallo R. and Cecere E. 1985. Colonizzazione di substrati duri artificiali immersi in una biocenosi coralligena ed in un posidonieto. Oebalia, Vol. XI-1, N.S., pp. 401-416.
- Tursi A., Matarrese A., Scalera Laci L., Gherardi M., Lepore E., Sciscioli M., Piscitelli G. and Chieppa M. 1980. Associazioni bentoniche del Mar Grande di Taranto: primi risultati di una analisi multivariata. Mem. Biol. Mar. Ocean., Suppl., Vol. X , pp. 333
- Tursi A., Matarrese A., Sciscioli M., Vaccarella R. and Chieppa M. 1982. Biomasse bentoniche nel Mar Piccolo di Taranto e loro rapporto con i banchi naturali di Mitili. Naturalista sicil., S. IV, VI (Suppl.), 2, pp. 263-268.
- Tursi A., Pastore M. and Panetta P. 1974. Aspetti ecologici del Mar Piccolo di Taranto: Ascidi, Crostacei Decapodi e Molluschi. Atti IV Simposio Nazionale sulla Conservazione della Natura, Bari 1974, Vol. 2, pp. 93-117.
- Tursi A. and Scalera Laci L. 1983. Settlement periods of Ascidiarians in the Mar Piccolo of Taranto in the ten years 1972-1982. Oebalia, IX, N.S., pp. 65-80.
- Tursi A., Vaccarella R. and Matarrese A. 1979. Distribuzione degli Ascidiacei nel porto di Bari. Mem. Biol. Mar. e Oceanogr., N.S., IX, 6, pp. 185-202.
- Ungaro N. 1995. Gli echinodermi dei fondi strascicabili dell'Adriatico Pugliese. Biologia Marina Mediterranea, vol.2 fasc.1 1998 parte 2 pp. 427-429
- Unluata, U., Oguz, T., Latif, M.A. and Ozsoy, E., 1990. On the physical oceanography of the Turkish Straits. In: Pratt, J. (Ed.), The Physical Oceanography of Sea Straits. NATO-ASI series, Kluwer Academic Publishers, The Netherlands, pp. 5-60.
- Uysal Z. 2002. On the formation of net phytoplankton patches in the southern Black Sea during the spring. Proc., 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey
- Uysal Z., Kideys A. E., Shmeleva A. A., Zagorodnyaya and Gubanova A. D. 2002. Checklist of copepods (Calanoida and Podopela) from the northern Levantine basin shelf waters. Hydrobiologia, 482: 15-21.
- Uysal, Z. and Sur, H. I. (1995) Net phytoplankton discriminating patches along the southern Black Sea coast in winter 1990. Oceanologica Acta, 18, 6, 639-647.
- Uysal, Z., A. E. Kideys., L. Senichkina., L. Georgieva., D. Altukhov., L. Kuzmenko., L. Manjos., E. Mutlu and E. Eker. (1997) Phytoplankton patches formed along the southern

- Black Sea coast in the spring and summer of 1996. NATO TU-Black Sea Assessment Workshop- 15-19 June 1997, Crimea
- Vaccarella R., Marano G. and Casavola N. 1977. I Balani del porto di Bari. Atti IX Congr. S.I.B.M., Lacco Ameno d'Ischia (Napoli) 1977, Cinelli F., Fresi E. e Mazzella L. (Edit.), pp. 451-462.
- Vaccarella R., Marano G. and Pastorelli A. M. 1985. Valutazione e distribuzione dei banchi a bivalvi nel Golfo di Manfredonia. Nova Thalassia, 7, Suppl. 3, pp. 361-366.
- Vaccarella R. and Pastorelli A. M. 1982. Bacino portuale di Bari: Policheti sedentari. Oebalia, Vol. VIII, pp.49-62.
- Valioulis, I., Y. Krestenitis, 1994. Modelling the water mass circulation in the Aegean Sea, Part I. Wind stress, thermal and haline fluxes, Ann. Geophys., 12, 794–807.
- Valsecchi E., Pasolini P., Bertozzi M., Garoia F., Ungaro N., Vacchi M., Sabelli B. and Tinti F. 2005. Rapid Miocene-Pliocene dispersal and evolution of Mediterranean rajid fauna as inferred by mitochondrial gene variation. Journal of Evolutionary Biology 18:436-446
- Vasilev, V., S. Naumova and N. Chipev 1997. General primary productivity assessment of the lake Pomoriysko. In Proc., 8th Scientific Session of the Biological Faculty, Sofia University, Sofia, pp. 66.
- Vaughan, S. L. and K. D. Leaman, 1995. The role of small-scale cells in the Mediterranean convection process, J. Phys. Oceanogr., 25, 2423-2436.
- Vedernikov V. I., 1987. Pervichnaya produktsya v Chemom more vesnoy 1984 g. (Primary production of the Black Sea during spring 1984), in Sovremennoe sostoianie ekosistemy Chemogo morya (Contemporary State of the Black Sea Ecosystem), Nauka, Moscow, 105-118.(in Russian).
- Vedernikov V.I., 1989. Pervichnaya produktsya i khlorofill v Chernom more v letne-osennii period (Primary production and chlorophyll in the Black Sea during the summer-autumn period). In: Struktura i produktionnye kharakterisliki planktonnykh soobshchestv Chemogo morya (Structure and productive characteristics of plank-tonic communities of the Black Sea), M.E.Vinogradov (Ed.), Nauka, Moscow, 65-83.
- Vedernikov V. I., 1991. Osobennosti raspredeleniya pervichnoy produktsii i khlorofilla v Chemom more v vesenniy i letniy periody (Peculiarities of primary production and chlorophyll distribution in the Black Sea in spring and summer). In: Izmenchivnosti ekosistemy Chemogo morya: estestvennye i antropogennye faktory (Variability of the Black Sea Ecosystem: Natural and Anthropogenic Factors), M.V. Vinogradov (Ed.), Nauka, Moscow, 128-147.(in Russian)
- Vedernikov V. I. and A. B. Demidov. 1992. Seasonal variability of primary production and chlorophyll in open parts of the Black Sea, In: Zimneye sosioyaniye ekosistemy otkrytoj chasti Chemogo morya (The Winter Condition of the Ecosystem in the Open Black Sea), Institute of Oceanology, Russian Academy of Sciences, pp. 77-89.
- Vedernikov, V.I. and A.B. Demidov. 1993. Primary production and chlorophyll in deep regions of the Black Sea., Oceanology (English translation), 33, 2, 193-199.
- Vedernikov V. I. and A. B. Demidov. 1997. The vertical distribution of primary production and chlorophyll during different seasons in the deep regions of the Black Sea, Oceanology (English Translation), 37(3), 376-384.
- Vedernikov, V. and A. Demidov, 2002. Seasonal and long-term variability of surface chlorophyll and primary production in the eastern regions of the Black Sea., Proc., 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey, 128.
- Vedernikov V. I., A. B. Demidov and G. A. Korneeva, 1996. Some features of phytoplankton production characteristics and rate of hydrolysis of natural polymers in the Black Sea in autumn, Oceanology (English Translation), 36(2), 250-250.

- Vedernikov V. I., B. V. Konovalov and O. I. Koblents-Mishke , 1983. Seasonal variations of phytoplankton pigment in the near-shore waters of the north eastern Black Sea, In: Sezonnye iyneneniya c/ernomorskogo planktona (Seasonal Variations of Black Sea Plankton), Nauka Moskow, pp.66-84 (In Russian).
- Velaoras, D. and A. Lascaratos, 2005. Deep water mass characteristics and interannual variability in the North and Central Aegean Sea. Journal of Marine Systems, 53, 1-4, 59-85.
- Velegrakis, A. F., E. Oikonomou, A. Theocharis, M. B. Collins, H. Kontoyiannis, V. Papadopoulos, G. Voulgaris, T. Wells and E. Balopoulos, Internal waves revealed by Synthetic Aperture Radar (SAR) imagery in the vicinity of the eastern Cretan Arc Straits (Eastern Mediterranean), Prog. Oceanogr., 44(4), 553-572, 1999.
- Vélez-Belchí, P., M. Vargas-Yáñez and J. Tintoré, 2005. Observation of a western Alborán gyre migration event. Progress in Oceanography, in press.
- Velikova., V. 1994. Basic criteria of assessment of anthropogenic influence on the functioning of marine ecosystems. Proc., Int. Conf. on Black sea'94, Varna,54-57,pp(inRussian)
- Velikova, V. 1998. Long-term study of red tides in the Western part of the Black sea and their ecological modeling. -In: Harmful Algae (eds. Reguera,.B, et al), Xunta de Galicia and Intergovernmental Oceanographic Commission of Unesco.
- Velikova V., Atanasova V., Manasieva S. and Daskalov G. 1996. Some aspects regarding the recent state of the Black Sea ecosystem. Proc., Institute of Fisheries - Varna, V. XXIV, pp. 105-116 (in Bulgarian).
- Velikova V., L. Boicenco, A. Cociasu, L. Popa, A. Davidov and D. Petrova 2004. The Black Sea phytoplankton community in a period of reduced anthropogenic pressure, 11th International Harmful Algal Blooms Conference (HAB), 15-19 November, 2004, Cape Town, South Africa, Proc., HAB Conference, 2004.
- Velikova, V., Manasieva, S. and Atanasova, V. 1994. Dynamics of abiotic factors and planktoceonosis in Bourgos Bay (Western Black sea). In: Proc., Varna Institute of Fishing Resources, XXIV, (in Bulgarian).
- Velikova V., Moncheva S. and D. Petrova , 1999. Phytoplankton dynamics and red tides (1987-1997) in the Bulgarian Black Sea. Water Science and Technology, Vol. 39, 8, 27-36.
- Velikova, V., Petrova, D., Mihneva, V., Dineva, S. and Ouzounova, S. 2001: Recent state of the Bulgarian Black Sea – signs of improvement of the ecosystem; 5th Int. Conf. on the Mediterranean Coastal Environment; Conf. Proc.V.2, p. 893-905.
- Vidoussi, F., Claustre H., Manca B.B., Luchetta, A. and Marty, J.C., 2001. Phytoplankton pigment distribution in relation to upper thermocline circulation in the eastern Mediterranean. Journal of Geophysical Research 106 (C9), 19.939-19.956.
- Viel M. and Zurlini G. 1986. Indagine ambientale dei sistemi marini costieri. Acqua and Aria n. 6, pp. 587-598.
- Viel M. and Zurlini G. 1986. Indagine ambientale del sistema marino costiero della regione Puglia. Elementi per la definizione del piano delle coste. Serie Studi Ambientali ENEA, Direzione Centrale Relazioni, pp. 277.
- Vignudelli S., G.P. Gasparini, M. Astraldi and M.E. Schiano, 1999. A possible influence of the North Atlantic Oscillation on the circulation of the Western Mediterranean Sea. Geophys. Research Let., 26, 623-626.
- Vigo I., D. García and B. F. Chao, 2005. Change of Sea Level Trend in Mediterranean and Black Seas, Journal of Marine Research.
- Vilibic, I., 2002. Long term changes in Adriatic thermohaline properties. CIESM Workshop Ser. 16, 56– 59.
- Vilibic, I. and Orlic, M., 2001. Least-squares tracer analysis of water masses in the South Adriatic (1967– 1990). Deep-Sea Res., I 48, 2297– 2330.
- Viñas J., Alvarado Bremer J. and Pla C. 2004. Phylogeography of the Atlantic bonito (*Sarda sarda*) in the northern Mediterranean: the combined effects of historical vicariance,

- population expansion, secondary invasion, and isolation by distance. Molecular Phylogenetics and Evolution 33:32-42
- Vinogradov, M.E., E.A. Shushkina and S.V. Vostokov, 2001. Gelatinous macroplankton (Jellyfish *Aurelia aurita*, ctenophores *Mnemiopsis leidyi* and *Beroe ovata*) in the Black Sea ecosystem (Important aspects for the Caspian Sea modern ecology). Abstracts, Caspian Environmental Programme (CEP) *Mnemiopsis* Advisory Group First Workshop, Baku, December, 2001
- Vinogradov, M.E., Flint, M.V. and Shushkina, E.A., 1985. Vertical distribution of mesoplankton in the open area of the Black Sea. Marine Biology, 89, 95-107.
- Vinogradov, M.E., Sapozhnikov, V.V., Shushkina, E.A., 1992. The Black Sea Ecosystem. Moscow, Russia, Nauka, 112 pp. (in Russian).
- Vinogradov, M.E., Shiganova, T. A. and Khoroshilov, V. S. 1995. State of the basic elements of the Black Sea plankton community. Oceanology, v. 35, 3, p. 418-422. (in Russian).
- Vinogradov, M.E., Shushkina, E. A. and Nikolaeva, G. G. 1990. Bloom of ctenophore *Mnemiopsis leidyi* as a factor of anthropogenic influence on the sea ecosystem. In: Practical ecology of marine regions. The Black Sea. Kiev: Naukova Dumka, p. 94-102. (in Russian).
- Vinogradov, M.E. and Shushkina, E.A., 1987. Functioning of plankton communities in epipelagic zone of the Ocean. Nauka, Moscow, 240 p. (in Russian).
- Vinogradov, M.E., Shushkina, E.A., Musaeva, E.I. and Sorokin, P. Y., 1989. New Settler in the Black Sea-Comb Jelly *Mnemiopsis leidyi* (Agassiz), Okeanologiya, vol. 29, no. 2: 293--299.
- Vinogradov, M.E., Shushkina, E.A., Musaeva, E.I., Sorokin and P.Yu., 1989. Ctenophore *Mnemiopsis leidyi* (A. Agassiz) (Ctenophora: Lobata) - a new settler in the Black Sea. Oceanology 29, 293-298 (in Russian).
- Vinogradov, M.Ye., Shushkina, E.A. and Nikolaeva, G.G., 1993. The state of zoocoene in the open areas of the Black Sea during late summer 1992, Oceanologiya, 33, 382-387. (In Russian).
- Vlahakis, G. N. and R. S. Pollatou, Temporal variability of and spatial distribution of sea surface temperatures in the Aegean Sea, Theor. Appl. Climatol., 47, 15-23, 1993.
- Vlasenko, V. I., N. M. Stashchuk, V. A. Ivanov, E. G. Nikolaenko, O. Uslu and H. Benli, Influence of the water exchange through the Dardanelles on the thermohaline structure of the Aegean Sea, Bull. Inst. Oceanogr., Monaco, 17, 147-165, 1996.
- Vlora A., Marzano M.C. and Strippoli G. 2000. Abbondanza, demografia e morfometria di *Astropecten irregularis pentacanthus* (Delle Chiaje, 1825) Echinodermata-Astroidea nell'Adriatico occidentale. Biologia Marina Mediterranea, Vol.7 fasc.1 2000 parte 2 pp. 748-751
- Volkov I. I., A. Yu. Skirta, P. N. Makkaveev, T. P. Demidova, A. G. Rozanov and E. V. Yakushev. On physical and chemical homogeneity of deep-water in the Black Sea, Multi-disciplinary investigations of the north-east part of the Black Sea (A. Zatsepin and M. Flint - eds.), NAUKA, Moscow, 161-169, 2002 (in Russian).
- Volovik, G. S. 1997. Elaboration and Research of Simulation Models of the zooplankton community. Oceanology, v. 35, 3, 418 -422. (in Russian).
- Volovik, G. S., Volovik, S.P. and Myrzoyan Z. A. 1995. Modelling of the *Mnemiopsis* sp. population in the Azov Sea. ICES. J. Mar. Science, 52, p. 735-746.
- Volovik, S. P. and Dakhno, V. D. The Azov Sea ichthyofauna composition under conditions of salination of the water body. In: Theses of the report on the regional scientific conference. Rostov-on-Don, AzNIIRKH, 21-22 (in Russian).
- Wadie, W. F., (1984). The effect of regulation of the Nile River discharge on the oceanographic conditions and productivity of the southeastern part of the Mediterranean Sea. Acta Adriatica, 25, 29-43.
- Waitz J.S. v. (1755) Undersökning om orsaken, hvarföre vatnet i Atlantiska hafvet altid strömar in uti medelhafvet genom Sundet vid Gibraltar. Kungliga Svensk.a Vetenskupsakademiens Handlingar, 16, 27-50.

- Waitz, J. S. v., 1755. The Manuscript Atlases of Batista Agnese. The papers of the Bibliographical Society of America, 25, 110.
- Wakelin, S. L., Woodworth, P. L., Flather, R. A. and Williams, J. A., 2003. Sea-level dependence on the NAO over the NW European Continental Shelf. *Geophys. Res. Lett.*, 30 (7), doi: 10.1029/2003GL017041
- Wald, L. and D. Georgopoulos, 1984. Atmospheric lee waves in the Aegean Sea and their possible influence on the sea surface, *Boundary-Layer Meteor.*, 28, 309-315
- Wang, D. P. 1989. Model of mean and tidal flows in the Strait of Gibraltar, *Deep Sea Res., Part I*, 36, 1535–1548.
- Wang, D. P. 1993. The Strait of Gibraltar Model: Internal tide, diurnal inequality and fortnightly modulation, *Deep Sea Res., Part I*, 40, 1187–1203.
- Wehausen, R. and H. J. Brumsack, 2000. Chemical cycles in Pliocene sapropel-bearing and sapropel-barren eastern Mediterranean sediments. *Palaeogeogr., Palaeoclimatol., Palaeoecol.*, 158, 325-352.
- Weisse T. and Gomoiu, M.-T., 2000. Significance and size structure of the scyphomedusa *Aurelia aurita* in the northwestern Black Sea during spring and summer. *Journal of Plankton Research*, 22: 223-239.
- Weisse T., Gomoiu, M.-T., Scheffel and Brodrecht F., 2001. Biomass and size composition of the comb jelly *Mnemiopsis sp.* in the northwestern Black Sea during spring 1997 and summer 1995. *Estuarine, Coastal and Shelf Science*, 54(3): 423-437.
- Wijsman, J. W. M., Herman, P. M. J. and Gomoiu, M.-T., 1999. Spatial trends in sediment structure and benthic activity in relation to the Danube plume on the Black Sea continental shelf – *Marine Ecology Progress Series*, 181: 25-39.
- Woodworth P.L., 2003. Some comments on the long sea level records from the Northern Mediterranean, *Journal of Coastal Research*, Vol. 19, N.1,
- Woodworth, P.L. and R. Player, 2003. The Permanent Service for Mean Sea Level: an update to the 21st century. *Journal of Coastal Research* 19 (2): 287-295,
- Woolf, D., A. Shaw and M. Tsimplis, 2003. The influence of the North Atlantic Oscillation on sea level variability in the North Atlantic Region. *The Global Atmosphere and Ocean System*, 9(4), 145-167.
- Wu, P., Haines, K., 1998. The general circulation of the Mediterranean Sea from 100-year simulation. *J. Geophys. Res.* 103, 1121–1135.
- Wu, P., Haines, K. and Pinardi, N., 2000. Toward an understanding of deep-water renewal in the Eastern Mediterranean. *Journal of Physical Oceanography*, 30, 443–458.
- Wüst, G. 1961. On the vertical circulation of the Mediterranean Sea. *Journal of Geophysical Research*, 66, 3261–3271.
- Wüst, G., 1959. Remarks on the circulation of the intermediate and deep water masses in the Mediterranean Sea and the methods of their further exploration, In: *Annali dell'Istituto Universitario Navale di Napoli*, Vol. VIII, 28, 343–355.
- Yacobi, YZ, Zohary, T., Kress, N., Hecht, A., Robarts, R.D., Waiser, M. and Wood, A.M., 1995. Chlorophyll distribution throughout the southeastern Mediterranean in relation to the physical structure of the water mass. *Journal of Marine Systems* 6(3), 179-190.
- Yilmaz A., O. Yunev, V. Vedernikov, S. Moncheva, A. Bologa, A. Cociasu and D. Ediger 1998. Unusual Temporal Variations in the Spatial Distribution of Chlorophyll a in the Black Sea during 1990 - 1996. In: *Ecosystem Modeling as a Management Tool for the Black Sea, Scientific Results, NATO ASI Series*, Kluwer Academic Publ., L. Ivanov and T. Oguz [eds.] vol.1, 105-120.
- Yilmaz A., S. Tugrul, C. Polat, D. Ediger, Y. Qoban and E. Morkoc 1998. On the production, elemental composition (C,N,P) and distribution of photosynthetic organic matter in the southern Black Sea, *Hydrobiologia*.

- Yilmaz, A. and Tugrul, S., 1998. The effect of cold- and warm-core eddies on the distribution and stoichiometry of dissolved nutrients in the northeastern Mediterranean. *J. Mar. Syst.* 16, 253–268.
- Yilmaz, A., Coban-Yildiz, Y., E. Morkoc and A. Bologa, 2002. A surface and midwater sources of organic carbon by photo- and chemo-autotrophic production in the Black Sea: new data from the KNORR 2001 cruise., Proc., 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey , 318-319.
- Yokes, B. and Galil, B.S., New records of alien decapods (Crustacea) from the Mediterranean coast of Turkey, with a description of a new palaemonid species. *Zoosystema* (in press).
- Yuce H., 1996. Mediterranean Water in the Strait of Istanbul (Bosphorus) and the Black Sea Exit. *Estuarine, Coastal and Shelf Science*, 43, no. 5, pp. 597-616(20)
- Yuksek, A., E. Okuş, A. Uysal and N. Yilmaz, 2002. Distribution of *Mnemiopsis Leidyi* in the Sea of Marmara and Black Sea and Influence of Environmental Parameters, Proc., 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey p.142.
- Yuksek, A., N. Yilmaz, E. Okuş, Z. Uysal, A. A. Shmeleva, A.D. Gubanova, D. Altukhov and S. C. Polat-Beken, 2002. Spatio-Temporal Variations in Zooplankton Communities and Influence of Environmental Factors on them in SW Black Sea and the Sea of Marmara, Proc., 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey, p.125.
- Yunev O. A., V. I. Vedernikov , O. Basturk , A. Yilmaz, A. E. Kideys, S. Moncheva and S. K. Konovalov, 2002. Long-term variations of surface chlorophyll *a* and primary production in the open Black Sea. *Mar Ecol Prog Ser.*, 230: 11–28, 2002
- Yunev O.A., 1989. Spatial distribution of chlorophyll-a and phaeophytin-a in the western part of the Black Sea during winter. *Oceanology*, 29 (3), 363-361.
- Yunev O.A., Suetin V., Suslin V. and Moncheva S., 2003. Long-term changes in the Black Sea surface chlorophyll *a* according to in situ and modern satellite data. In: Dahlin H., Flemming N.C., Nittis K., Petersson S.E. (eds) Building the European Capacity for Operational Oceanography. Proc., 3rd Int. Conf. on EuroGOOS, 3-6 December 2002, Athens, Greece. Elsevier Oceanography Series, 69. Elsevier, Amsterdam, p. 166-173.
- Yunev O.A., Vedernikov V.I., Basturk O., Yilmaz A., Kideys A.E., Moncheva S. and Konovalov S.K. 2002. Long-term variations in surface chlorophyll-*a* and primary production in the open Black Sea: changes in the pelagic ecosystem over the last decades. *Mar. Ecol. Prog. Series* , vol. 230, .11-28..
- Yunev, O., A. Yilmaz, M. Shokurov, A. Haliulin and S. Konovalov, 2002. Long-term variability of vertical chlorophyll profile in the open Black Sea during warm months: consequences of anthropogenic eutrophication or climatic changes, Proc., 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey, p. 276
- Yunev, O., V. Vedernikov, A. Yilmaz, A. Kideys, S. Moncheva and S. Konovalov, 2002. Outstanding changes in the Black Sea pelagic ecosystem over the last decades, Proc., 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey pp.388-389
- Yuneva, T.V., Svetlichny, L.S., Yunev, O.A., Georgieva, L.V. and Senichkina, L.G., 1997. Spatial variability of the lipid content in *Calanus euxinus* in relation to the chlorophyll concentration and phytoplankton biomass. *Oceanology* 37, 745-752.
- Zagorodnyaya, Yu.A. and Skryabin, V.A., 1995. Current trends in the zooplankton evolution in the Black Sea coastal areas of the shelf zone of the Azov-Black Sea Basin. NAS of Ukraine, MHI, Sevastopol, 87-95 (in Russian).

- Zahit Y., 2002. Vertical distribution of marine cyanobacteria *Synechococcus* spp. in the Black Marmara, Aegean and mediterranean Seas., Proc., 2nd Int. Conf. "Oceanography of the Eastern Mediterranean and the Black Sea – Similarities and differences of two interconnected basins", 14-18 October, 2002, Ankara, Turkey, p.361.
- Zaika, V. E., Sergeeva, H.G. 1991. Daily variation of the population structure and vertical distribution of the ctenophore *Mnemiopsis mccradyi* MYEK (Ctenophora). Kiev, 27, 2, p. 15-19 (in Russian).
- Zaitsev, Yu. P, 1993. The impact of eutrophication on the Black Sea fauna. In: Studies and Reviews, 364, CFCM, FAO, Rome, p.58-87.
- Zaitsev, Yu.P., 1992. Recent changes in the trophic structure of the Black Sea. Fisheries Oceanography 1, 180-189.
- Zaitsev, Yu.P. and Aleksandrov, B.G., 1997. Recent man-made changes in the Black Sea ecosystem. In: Sensitivity to Change: Black Sea, Baltic Sea and North Sea, E. Ozsoy and A. Mikaelyan, editors, Kluwer Acad. Publ., pp. 25-32.
- Zaitsev, Yu.P. and Polischuk, L.N., 1984. Outburst of *Aurelia aurita* in the Black Sea. Marine Ecology, 17, 35-46 (in Russian).
- Zaitzev Yu.P. and V.P.Mamaev, 1997. GEF, Black Sea Environmental Series, vol.3.UN PublicationsSales, no 95111.B6.New York.
- Zardoya R., Castilho R., Grande C., Favre-Krey L., Caetano S., Marcato S., Krey G. and Patarnello T. 2004. Differential population structuring of two closely related fish species, the mackerel (*Scomber scombrus*) and the chub mackerel (*Scomber japonicus*), in the Mediterranean Sea. Molecular Ecology 13:1785-1798
- Zatsepин A. G., A. I. Ginzburg, A. G. Kostianoy, V. V. Kremenetskiy, V. G. Krivosheya, S. G. Poyarkov, Yu. B. Ratner, A. Yu Skirta, D. M. Soloviev, S. V. Stanichny, O. Yu. Stroganov, N. A. Sheremet and V. G. Yakubenko. 2002. Variability of water dynamics in the north-eastern Black Sea and its effect on water exchange between near-shore and off-shore parts of the basin. Oceanology, 42, Suppl.1, S1-S15.
- Zatsepин A.G., Arashkevich E.G. and Kremenetskiy V.V. 2003. Water dynamics in the area of Caucasian continental slope of the Black Sea and its effect on the zooplankton spatial distribution. In: Actual problems of Oceanology (acad. N.P. Laverov – ed.). Moscow, "Nauka". P. 152-164. (In Russian).
- Zatsepин A.G., Ginzburg, A. I., Kostianoy, A.G., Kremenetskiy, V.V., Krivosheya, V.G., Poulaи P.- M. and Stanichny S.V. 2003 .Observation of Black Sea mesoscale eddies and associated horizontal mixing. JGR, V.108, NoC8, 3246, 1-27.
- Zatsepин, A. G., A. I. Ginzburg, M. A. Evdoshenko, A.G. Kostianoy, V. V. Kremenetskiy, V. G., Krivosheya, S. V., Motyzhev, S. G. Poyarkov, P.- M. Poulaи , A. Yu. Skirta, D. M. Soloviev, S. V. Stanichny, N. A. Sheremet, and V. G. Yakubenko. 2002. Mesoscale eddies and horizontal exchange in the Black sea. Multi-disciplinary investigations of the north-east part of the Black Sea (A. Zatsepин and M. Flint - eds.), NAUKA, Moscow, 55–81, (in Russian).
- Zatsepин, A. G., 2001. On peculiarities and similarities of the coherent structure formation in stratified and rotating fluid. Turbulent Mixing in Geophysical Flows (P .F Linden and J. M. Redondo - eds.) International Centre for Num. Methods in Engineering, Barcelona, Spain, 277-300,
- Zatsepин, A. G., V. V. Kremenetskii, S. G. Poyarkov, P.-M. Poulaи, Yu. B. Ratner and S. V. Stanichny. 2002. Influence of wind field on the water dynamics of the Black Sea. Multi-disciplinary investigations of the north-east part of the Black Sea (A. Zatsepин and M. Flint - eds.), NAUKA, Moscow, 91–105, (in Russian).
- Zatsepин, A.G., Ginzburg, A. I., Yu.V. Grigorieva, Eremeev, V.N., Evdoshenko, M. A., Horton E., Kostianoy, A.G., Kremenetskiy, V.V., Krivosheya, V.G., Motyzhev, S. V., Poulaи P.- M., Poyarkov, S.G., Ratner, Yu. B., Sheremet, N.A., Skirta, A.Yu., Soloviev, D. M.,

- Stanichny S.V., Stroganov, O. Yu., Yakubenko V.G. and Zhurbas V.M. 2003. Variability of water dynamics in the northeastern Black Sea and its dependence on wind forcing. In: Proc., 2nd Int. Conf. on Oceanography of the Eastern Mediterranean and Black Sea: Similarities and Differences of Two Interconnected Basins”, 14-18 October, 2002, Ankara, Turkey, P.67-74.
- Zavatarelli, M, 1999. Mediterranean Sea multiscale variability and environmental management issues: a scientific perspective. *Progress in Oceanography*, 44, 401-409.
- Zavatarelli, M. and N. Pinardi, 2003. The Adriatic Sea modelling system: a nested approach, *Ann. Geophysicae*, 21, 345-364.
- Zavatarelli, M. and Mellor, G.L. 1995. A numerical study of the Mediterranean Sea circulation. *Journal of Physical Oceanography*, 25, 1385–1414.
- Zavatarelli, M., N. Pinardi, V. H. Kourafalou, and A. Maggiore, 2002. Diagnostic and prognostic model studies of the Adriatic Sea general circulation: Seasonal variability, *J. Geophys. Res.*, 107, C1, 10.1029/2000JC000210.
- Zavatarelli, M., Raicich, F., Bregant, D., Russo, A. and Artegiani, A., 1998. Climatological biochemical characteristics of the Adriatic Sea. *J. Mar. Syst.* 18, 227–263.
- Zervakis, V. and D. Georgopoulos, 2002. Hydrology and Circulation in the North Aegean (eastern Mediterranean) throughout 1997-1998. *Mediterranean Marine Sciences*, 3, 1, pp. 7-21.
- Zervakis, V., D. Georgopoulos and P. G. Drakopoulos, 2000. The role of the North Aegean in triggering the recent Eastern Mediterranean climatic changes. *Journal of Geophysical Research*, 105, C11, pp. 26103-26116.
- Zervakis, V., E. Krasakopoulou, D. Georgopoulos and E. Souvermezoglou, 2003. Vertical diffusion and oxygen consumption during stagnation periods in the deep North Aegean. *Deep Sea Research I*, 50, pp. 53-71.
- Zervakis, V., Georgopoulos, D., Karageorgis, A. P. and Theocharis, A., 2004. On the response of the Aegean Sea to climatic variability: A review. *International Journal of Climatology*, 24, 1845–1858.
- Zervakis, V., Nittis, K., Perivoliotis, L. and C. Tziavos, 2002. A comparison of model predictions to observations of seasonal variability and circulation in the Eastern Mediterranean. In: The Global Atmosphere and Ocean System, special issue – POSEIDON: An Integrated Operational Oceanographic System, Vol. 8, 2-3, pp. 141-162.
- Zervakis, V., Papadoniou, G., Tziavos, C. and Lascaratos, A., 2003. Seasonal variability and geostrophic circulation in the Eastern Mediterranean as revealed through a repeated XBT transect. *Annales Geophysicae*, 21, 1–15.
- Zessner M., Kroiss H. and Lampert C. 2004. The Relation between Nutrient Management in the Danube Basin and Eutrophication Problems in Receiving Black Sea Coastal Waters 4th IWA World Water Congress and Exhibition, Marrakech, Morocco.
- Zessner M., Lampert C. and Kroiss H. 2004. Nutrient Management in the Danube Basin and its Impact on Black Sea Coastal Area, EWA Conference “Nutrient Management: European Experiences and Perspectives”, Amsterdam, Proc., European Water Association (EWA), 2004. S. 111 - 129.
- Zessner M., van Gils J. 2002: Nutrient fluxes from the Danube basin to the Black Sea; *Water Science and Technology*; Vol 46, No 8 , pp 9-17.
- Zhurbas, V. M., A. G. Zatsepин and P.-M. Poulaиn. 2002. Statistical analysis of current's velocity in the Black Sea based on drifter data, Multi-disciplinary investigations of the north-east part of the Black Sea (A. Zatsepин and M. Flint - eds.), NAUKA, Moscow, 105–118, (in Russian).
- Zibrowius, H. 1991. Ongoing modification of the Mediterranean marine fauna and flora by the establishment of exotic species. *Mesogee Bull. Mus. Hist. Nat. Marseille*, Vol. 51, 83-107.

- Zodiatis, G. and E. Balopoulos, 1993. Structure and characteristics of fronts in the North Aegean Sea. *Bulletino di Oceanologia Teorica ed Applicata*, 11, 2, 113-124.
- Zodiatis, G., 1992. On the seasonal variability of the water masses circulation in the NW Levantine Basin-Cretan Sea and flows through the eastern Cretan Straits. *Annales Geophysicae*, 10, 12-24.
- Zodiatis, G., 1993a. Circulation of the Cretan Sea water masses (Eastern Mediterranean Sea). *Oceanologica Acta*, 16, 2, 107-114.
- Zodiatis, G., 1993b. Water mass circulation between the SE Ionian – W. Cretan basins through the Western Cretan Arc straits. *Bulletino di Oceanologia Teorica ed Applicata*, 11, 1, 61-75.
- Zodiatis, G., 1994. Advection of Black Sea water in the north Aegean Sea, *Global Atmos. Ocean Syst.*, 2(1), 41-60
- Zodiatis, G. and Gasparini, G.P., 1996. Thermohaline staircase in the Tyrrhenian Sea. *Deep-Sea Res.* 43, 655– 678.
- Zodiatis, G., S. Alexzandri, P. Pavlakis, L. Jonsson, G. Kallos, A. Demetropoulos, G. Georgiou, A. Theodorou and E. Balopoulos, 1996. Tentative study of flow patterns in the North Aegean Sea using NOAA-AVHRR images and 2D model simulation, *Ann. Geophysicae*, 14, 1221-1231.
- Zodiatis, G., Theodorou, A. and Demetropoulos, A., 1998. Hydrography and circulation south of Cyprus in late summer 1995 and in spring 1996. *Oceanologica Acta*, 21, 447–458.
- Zohary, T., Brenner, S., Krom, M.D., Angel, D.L., Kress, N., Li, W.K.W., Neori, A. and Yacobi, Y.Z., 1998. Buildup of microbial biomass during deep winter mixing in a Mediterranean warm-core eddy. *Marine Ecology Progress Series* 167, 47-57.
- Zohary, T. and Robarts, R.D., 1992. Bacterial numbers, bacterial production, and heterotrophic nanoplankton abundance in a warm core eddy in the Eastern Mediterranean. *Marine Ecology Progress Series* 84, 133-137.
- Zohary, T. and Robarts, R.D., 1998. "Experimental study of microbial P limitation in the eastern Mediterranean." *Limnology and Oceanography* 43, 387-395.