

## Adriana Zingone



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**Current Position:** ricercatore II° livello, Senior Scientist

**Current Affiliation:**

Section of Integrated Marine Ecology, Stazione Zoologica Anton Dohrn, Napoli (Italy) and Research Infrastructures for Marine Biological Resources, coordinator of the Monitoring and Environmental Data Analysis Unit (MEDA)

**Education/Training/Experience**

<b>Institute and Location</b>	<b>Degree (if applicable)</b>	<b>Year</b>	<b>Field of Study</b>
University Federico II of Napoli	Honors Master (Laurea)	1976	Phytoplankton cycle in a brackish-water lagoon
University Federico II of Napoli	Honors Master (Laurea)	1982	Mesopelagic fish in offshore Tyrrhenian waters
Private Company CoIPA	contract	1981-1983	Plankton and biological quality of Tyrrhenian waters
Stazione Zoologica Anton Dohrn	fellowship	1984-1988	Phytoplankton Systematics and ecology
Stazione Zoologica Anton Dohrn, Napoli, Italy	ricercatore	1989-2000	Ecology and biodiversity of marine microalgae

Stazione Zoologica Anton Dohrn (trained by Jahn Thronsdén, Norway, visiting scientist at SZN on several periods)		1990-1994	Taxonomy and cultivation of marine flagellates
Stazione Zoologica Anton Dohrn, Napoli, Italy	1° Ricercatore	2000-present	Ecology and biodiversity of marine microalgae

### **Appointments**

Committee member of the “Collegio dei Docenti” for the PhD in Biologia delle Alghe (University of Messina)

Faculty of the Advanced International Phytoplankton Course -Taxonomy and Systematics (APC) in 1995, 1998, 2005, 2008, 2012 and 2015 and Scientific Coordination of the APC in 2005, 2008 and 2015.

1995-2002 Chair (elected three times) of the UNESCO-IOC Intergovernmental Panel on Harmful Algal Blooms

1999-2002 Group of Experts of the IOC Coastal-GOOS panel

2005-2008 Executive Committee of the International Society for the Study of Harmful Algae

2002 Review Panel of Marine Science in Argentina, appointed by the funding agency Antorchas

1995-2002 International Advisory Board of the IOC Science and Communication Centre on Harmful Algae in Copenhagen

1995-present Italian Oceanographic Committee

2005-2007 Italian Delegation at the IOC Executive Council

1998-2002 Scientific Steering Committee of the IOC-SCOR Programme ‘Global Ecology and Oceanography of Harmful Algal Blooms (GEOHAB)

2002-2005 Associate Editor of the international journal ‘Harmful Algae’

2006-2012 Executive Committee of the LTER-Italy network

2009-2012 International Jury of the Ramon Margalef Award in Ecology

2012-2014 Member of the Italian Expert Group for the definition of Descriptor 5, ‘Eutrophication’, within the Marine Strategy Framework Directive (MSFD)

1992- present Italian Delegate at the UNESCO-IOC Intergovernmental Panel on Harmful Algal Blooms

1998 - present Member of the IPHAB Task Team of Algal taxonomy

2009- present SCOR-Working Group 137: Global Patterns of Phytoplankton Dynamics in Coastal Ecosystems: Comparative Analysis of Time Series Observations

2004-present Responsible for the Gulf of Naples site in the Long Term Ecological Research (LTER) networks.

2010 - present Associate Editor of the international journal ‘Mediterranean Marine Science’

2010 - present Scientific Coordination of the Long term Ecological Research program MareChiara in the Gulf of Naples.

2011- present Management committee of the ESFRI LifeWatch-ITA JRU

2013- present Coordination team of the Genomic Observatories network

2012- present Co-coordinator of the Thematic Centre ‘Molecular Biology’ of LifeWatch-ITA

2014- present Core team for the analysis of the Ocean Sampling Day (OSD) samples

2014- present: Coordinator of the Monitoring and Environmental Data Analysis Unit (MEDA) of the Stazione Zoologica Anton Dohrn

2014- present Co-editor of the IOC-OBIS Global HAB Status Report

### Awards

2005 Luigi Provasoli Award Of The Phycological Society Of America (outstanding paper in Journal of Phycology, year 2005).

2005 Faculty of 1000 highlight (MUST READ)

2010 Faculty of 1000 highlight (RECOMMENDED)

### Other

*Tutor/cotutor of 9 bachelor/master degree thesis and 11 national and international PhD thesis*

*Supervisor of 15 postdoctoral researchers and fellows*

*Member of national and international PhD examination panels*

*More than 40 invited talks in national or international events*

*Author of 75 papers on international referenced journals and 3 book chapters*

### Publications

(last 10 years)

#### 2015

Zingone, A., P. J. Harrison, A. Kraberg, S. Lehtinen, A. McQuatters-Gollop, T. O'Brien, J. Sun & H. H. Jakobsen (2015). Increasing the quality, comparability and accessibility of phytoplankton species composition time-series data. *Estuarine, Coastal and Shelf Science*, **in press**

Massana, R., A. Gobet, S. Audic, D. Bass, L. Bittner, C. Boutte, A. Chambouvet, R. Christen, J. M. Claverie, J. Decelle, J. R. Dolan, M. Dunthorn, B. Edvardsen, I. Forn, D. Forster, L. Guillou, O. Jaillon, W. H. C. F. Kooistra, R. Logares, F. Mahé, F. Not, H. Ogata, J. Pawlowski, M. C. Pernice, I. Probert, S. Romac, T. Richards, S. Santini, K. Shalchian-Tabrizi, R. Siano, N. Simon, T. Stoeck, D. Vaultot, A. Zingone & C. de Vargas (2015). Marine protist diversity in European coastal waters and sediments as revealed by high-throughput 5 sequencing. *Environmental Microbiology* **in press**.

Villar, E., G. K. Farrant, M. Follows, L. Garczarek, S. Speich, S. Audic, L. Bittner, B. Blanke, J. R. Brum, C. Brunet, R. Casotti, A. Chase, J. R. Dolan, F. d'Ortenzio, J.-P. Gattuso, N. Grima, L. Guidi, C. N. Hill, O. Jahn, J.-L. Jamet, H. Le Goff, C. Lepoivre, S. Malviya, E. Pelletier, J.-B. Romagnan, S. Roux, S. Santini, E. Scalco, S. M. Schwenck, A. Tanaka, P. Testor, T. Vannier, F. Vincent, A. Zingone, C. Dimier, M. Picheral, S. Searson, S. Kandels-Lewis, T. O. Coordinators, S. G. Acinas, P. Bork, E. Boss, C. de Vargas, G. Gorsky, H. Ogata, S. Pesant, M. B. Sullivan, S. Sunagawa, P. Wincker, E. Karsenti, C. Bowler, F. Not, P. Hingamp & D. Iudicone (2015). Environmental characteristics of Agulhas rings affect interocean plankton transport. *Science* **348**.

Santamaria, G., L. Cerchia, C. L. Esposito, G. Benvenuto, D. Nanjappa, D. Sarno, A. Zingone, V. De Franciscis & M. Ribera d'Alcala (2015). Aptamers are an innovative and promising tool for phytoplankton taxonomy and biodiversity research. *Chemistry & Ecology* **31**:92-103.

Ruggiero, M. V., D. Sarno, L. Barra, W. H. C. F. Kooistra, M. Montresor & A. Zingone (2015). Diversity and temporal pattern of *Pseudo-nitzschia* species (Bacillariophyceae) through the molecular lens. *Harmful Algae* **42**:15-24.

Jakobsen, H., J. Carstensen, P. Harrison & A. Zingone (2015). Estimating time series phytoplankton carbon biomass: Inter-lab comparison of species identification and comparison of volume-to-carbon scaling ratios. *Estuarine, Coastal and Shelf Science*, **in press**

- Harrison, P., A. Zingone, M. Mickelson, S. Lehtinen, N. Ramaiah, A. Kraberg, J. Sun, A. McQuatters-Gollop & H. Jakobsen (2015). Cell Volumes of Marine Phytoplankton from Globally Distributed Coastal Data Sets. *Estuarine, Coastal and Shelf Science*, **in press**
- Decelle, J., S. Romac, R. F. Stern, E. M. Bendif, A. Zingone, S. Audic, M. D. Guiry, L. Guillou, D. Tessier & F. Le Gall (2015). PhytoREF: a reference database of the plastidial 16S rRNA gene of photosynthetic eukaryotes with curated taxonomy. *Molecular Ecology Resources*, **in press**
- de Vargas, C., S. Audic, N. Henry, J. Decelle, F. Mahé, R. Logares, E. Lara, C. Berney, N. Le Bescot, I. Probert, M. Carmichael, J. Poulain, S. Romac, S. Colin, J.-M. Aury, L. Bittner, S. Chaffron, M. Dunthorn, S. Engelen, O. Flegontova, L. Guidi, A. Horák, O. Jaillon, G. Lima-Mendez, J. Lukeš, S. Malviya, R. Morard, M. Mulo, E. Scalco, R. Siano, F. Vincent, A. Zingone, C. Dimier, M. Picheral, S. Searson, S. Kandels-Lewis, T. O. Coordinators, S. G. Acinas, P. Bork, C. Bowler, G. Gorsky, N. Grimsley, P. Hingamp, D. Iudicone, F. Not, H. Ogata, S. Pesant, J. Raes, M. E. Sieracki, S. Speich, L. Stemann, S. Sunagawa, J. Weissenbach, P. Wincker & E. Karsenti (2015). Eukaryotic plankton diversity in the sunlit ocean. *Science* **348**.
- Corriero, G., C. Pierri, S. Accoroni, G. Alabiso, G. Bavestrello, E. Barbone, M. Bastianini, A. M. Bazzoni, F. B. Aubry, F. Boero, M. C. Buia, M. Cabrini, E. Camatti, F. Cardone, B. Cataletto, R. C. Vietti, E. Cecere, T. Cibic, P. Colangelo, A. D. Olazabal, G. D'Onghia, S. Finotto, N. Fiore, D. Fornasaro, S. Fraschetti, A. Giangrande, C. Gravili, C. Longo, M. Lorenti, A. Lugliè, P. Maiorano, M. G. Mazzocchi, M. Mercurio, F. Mastrototaro, M. Mistri, M. Monti, C. Munari, L. Musco, C. Nonnis-Marzano, B. M. Padedda, F. P. Patti, A. Petrocelli, S. Piraino, G. Portacci, A. Pugnetti, S. Pulina, T. Romagnoli, I. Rosati, D. Sarno, C. T. Satta, N. Sechi, S. Schiapparelli, B. Scipione, L. Sion, A. Terlizzi, V. Tirelli, C. Totti, A. Tursi, N. Ungaro, A. Zingone, V. Zupo & A. Basset (2015). Ecosystem vulnerability to alien and invasive species: a case study on marine habitats along the Italian coast. *Aquatic Conservation: Marine and Freshwater Ecosystems*.
- Carella, F., A. Sardo, O. Mangoni, D. Di Cioccio, G. Urciuolo, G. De Vico & A. Zingone (2015). Quantitative histopathology of the Mediterranean mussel (*Mytilus galloprovincialis* L.) exposed to the harmful dinoflagellate *Ostreopsis cf. ovata*. *J. Invertebr. Pathol.* **127**:130-40.
- D'Alenio, D., M. G. Mazzocchi, M. Montresor, D. Sarno, A. Zingone, I. Di Capua, G. Franzè, F. Margiotta, M. Saggiomo & M. Ribera d'Alcalà (2014). The green-blue swing: plasticity of plankton food-webs in response to coastal oceanographic dynamics. *Marine Ecology*, **in press**

## 2014

- Zingone, A. (2014). Harm from the benthos: old and new challenges for HAB research and management. In: Kim, H. G., Reguera, B., Hallegraeff, G., Lee, C. K., Han, M. S. & Choi, J. K. [Eds.] *Harmful Algae 2012. Proceedings of the 15th International Conference on Harmful Algae*. International Society for the Study of Harmful Algae, Changwon, Korea, pp. 26-29.
- Wyatt, T. & A. Zingone (2014). Phytoplankton bloom strategies and constraints on predicting outbreaks. In: Kim, H. G., Reguera, B., Hallegraeff, G., Lee, C. K., Han, M. S. & Choi, J. K. [Eds.] *Harmful Algae 2012. Proceedings of the 15th International Conference on Harmful Algae*. International Society for the Study of Harmful Algae, Changwon, Korea, pp. 78-81.
- Wyatt, T. & A. Zingone (2014). Population dynamics of red tide dinoflagellates. *Deep-Sea Res. II* **101**:231–36.
- Nanjappa, D., G. D'Ippolito, C. Gallo, A. Zingone & A. Fontana (2014). Oxylipin diversity in the diatom family Leptocylindraceae reveals DHA derivatives in marine diatoms. *Mar. Drugs* **12**:368-84.
- Nanjappa, D., S. Audic, S. Romac, W. C. H. F. Kooistra & A. Zingone (2014). Assessment of species diversity and distribution of an ancient diatom lineage using a DNA metabarcoding approach. *PLoS ONE* **9**:e103810.
- Logares, R., S. Audic, D. Bass, L. Bittner, C. Boutte, R. Christen, J.-M. Claverie, J. Decelle, J. R. Dolan, M. Dunthorn, B. Edvardsen, A. Gobet, W. C. H. F. Kooistra, F. Mahé, F. Not, H. Ogata, J. Pawlowski, M. C. Pernice, S. Romac, K. Shalchian-Tabrizi, N. Simon, T. Stoeck, S. Santini, R. Siano, P. Wincker, A. Zingone, T. A. Richards, C. de Vargas & R. Massana (2014). Patterns of rare and abundant marine microbial eukaryotes. *Current Biology* **24**:813-21.

- Keeling, P. J., F. Burki, H. M. Wilcox, B. Allam, E. E. Allen, L. A. Amaral-Zettler, E. V. Armbrust, J. M. Archibald, A. K. Bharti, C. J. Bell, B. Beszteri, K. D. Bidle, C. T. Cameron, L. Campbell, D. A. Caron, R. A. Cattolico, J. L. Collier, K. Coyne, S. K. Davy, P. Deschamps, S. T. Dyhrman, B. Edvardsen, R. D. Gates, C. J. Gobler, S. J. Greenwood, S. M. Guida, J. L. Jacobi, K. S. Jakobsen, E. R. James, B. Jenkins, U. John, M. D. Johnson, A. R. Juhl, A. Kamp, L. A. Katz, R. Kiene, A. Kudryavtsev, B. S. Leander, S. Lin, C. Lovejoy, D. Lynn, A. Marchetti, G. McManus, A. M. Nedelcu, S. Menden-Deuer, C. Miceli, T. Mock, M. Montresor, M. A. Moran, S. Murray, G. Nadathur, S. Nagai, P. B. Ngam, B. Palenik, J. Pawlowski, G. Petroni, G. Piganeau, M. C. Posewitz, K. Rengefors, G. Romano, M. E. Rumpho, T. Ryneerson, K. B. Schilling, D. C. Schroeder, A. G. B. Simpson, C. H. Slamovits, D. R. Smith, G. J. Smith, S. R. Smith, H. M. Sosik, P. Stief, E. Theriot, S. Twary, P. E. Umale, D. Vaultot, B. Wawrik, G. L. Wheeler, W. H. Wilson, Y. Xu, A. Zingone & A. Z. Worden (2014). The Marine Microbial Eukaryote Transcriptome Sequencing Project (MMETSP): Illuminating the Functional Diversity of Eukaryotic Life in the Oceans through Transcriptome Sequencing. *PLoS Biology* **12**.
- Italiano, A., D. D. Cioccio, M. Borra, E. Biffali, G. Procaccini & A. Zingone (2014). AFLP reveals intraspecific variations in geographically diverse *Ostreopsis* cf. *ovata* populations. In: Kim, H. G., Reguera, B., Hallegraeff, G., Lee, C. K., Han, M. S. & Choi, J. K. [Eds.] *Harmful Algae 2012. Proceedings of the 15th International Conference on Harmful Algae*. International Society for the Study of Harmful Algae, Changwon, Korea, pp. 63-66.
- Escalera, L., G. Benvenuto, E. Scalco, A. Zingone & M. Montresor (2014). Ultrastructural features of the benthic dinoflagellate *Ostreopsis* cf. *ovata* (Dinophyceae). *Protist* **165**:260–74.
- Di Cioccio, D., M. C. Buia & A. Zingone (2014). Ocean acidification will not deliver us from *Ostreopsis*. In: Kim, H. G., Reguera, B., Hallegraeff, G., Lee, C. K., Han, M. S. & Choi, J. K. [Eds.] *Harmful Algae 2012. Proceedings of the 15th International Conference on Harmful Algae*. International Society for the Study of Harmful Algae, Changwon, Korea, pp. 85-88.
- Davies, N., D. Field, L. Amaral-Zettler, M. S. Clark, J. Deck, A. Drummond, D. P. Faith, J. Geller, J. Gilbert, F. O. Glöckner, P. Hirsch, J.-A. Leong, C. Meyer, M. Obst, S. Planes, C. Scholin, A. P. Vogler, R. D. Gates, R. Toonen, V. Berteaux-Lecellier, M. Barbier, K. Barker, S. Bertilsson, M. Bicak, M. J. Bietz, J. Bobe, L. Bodrossy, A. Borja, J. Coddington, J. Fuhrman, G. Gerdt, R. Gillespie, K. Goodwin, P. C. Hanson, J.-M. Hero, D. Hoekman, J. Jansson, C. Jeanthon, R. Kao, A. Klindworth, R. Knight, R. Kottmann, M. S. Koo, G. Kotoulas, A. J. Lowe, V. T. Marteinsson, F. Meyer, N. Morrison, D. D. Myrold, E. Pafilis, S. Parker, J. J. Parnell, P. N. Polymenakou, S. Ratnasingham, G. K. Roderick, N. Rodriguez-Ezpeleta, K. Schonrogge, N. Simon, N. J. Valette-Silver, Y. Springer, G. N. Stone, S. Stones-Havas, S.-A. Sansone, K. M. Thibault, P. Wecker, A. Wichels, J. C. Wooley, T. Yahara, A. Zingone & GOs-COS (2014). The founding charter of the Genomic Observatories Network. *GigaScience* **3**.

## 2013

- Smetacek, V. & A. Zingone (2013). Green and golden seaweed tides on the rise. *Nature* **504**:84-88.
- Percopo, I., R. Siano, R. Rossi, V. Soprano, D. Sarno & A. Zingone (2013). A new potentially toxic *Azadinium* species (Dinophyceae) from the Mediterranean Sea, *A. dexteroporum* sp. nov. *J. Phycol.* **49**:950–66.
- Nanjappa, D., W. H. C. F. Kooistra & A. Zingone (2013). A reappraisal of the genus *Leptocylindrus* (Bacillariophyta), with the addition of three species and the erection of *Tenuicylindrus* gen. nov. *J. Phycol.* **49**:917–36.
- Montresor, M., C. Di Prisco, D. Sarno, F. Margiotta & A. Zingone (2013). Diversity and germination patterns of diatom resting stages at a coastal Mediterranean site. *Mar. Ecol.-Prog. Ser.* **484**:79-95.
- Klöpper, S., U. John, A. Zingone, O. Mangoni, W. H. C. F. Kooistra & A. Cembella (2013). Phylogeny and morphology of a *Chattonella* (Raphidophyceae) species from the Mediterranean Sea: what is *C. subsalsa*? *European Journal of Phycology* **48**:79–92.
- Furlan, M., M. Antonioli, A. Zingone, A. Sardo, C. Blason, A. Pallavicini & S. Fonda Umani (2013). Molecular identification of *Ostreopsis* cf. *ovata* in filter feeders and putative predators. *Harmful Algae* **21-22**:20-29.

## 2012

- Zingone, A., E. Berdalet, P. Bienfang, H. Enevoldsen, J. Evans, R. Kudela & P. Tester (2012). Harmful algae in benthic systems: A GEOHAB core research program. *Cryptogam. Algal.* **33**:225-30.
- Scalco, E., C. Brunet, F. Marino, R. Rossi, V. Soprano, A. Zingone & M. Montresor (2012). Growth and toxicity responses of Mediterranean *Ostreopsis* cf. *ovata* to seasonal irradiance and temperature conditions. *Harmful Algae* **17**:25-34.
- Iermano, I., G. Liguori, D. Iudicone, B. Buongiorno Nardelli, S. Colella, A. Zingone, V. Saggiomo & M. Ribera D'Alcalà (2012). Filament formation and evolution in buoyant coastal waters: observation and modelling. *Prog. Oceanogr.* **106**:118-37.
- Huseby, S., M. Degerlund, A. Zingone & E. Hansen (2012). Metabolic fingerprinting reveals differences between northern and southern strains of the cryptic diatom *Chaetoceros socialis*. *European Journal of Phycology* **47**:480–89.
- Degerlund, M., S. Huseby, A. Zingone, D. Sarno & B. Landfald (2012). Functional diversity in cryptic species of *Chaetoceros socialis* Lauder (Bacillariophyceae). *J. Plankton Res.* **34**:416-31.
- Berdalet, E., P. Tester & A. Zingone 2012. GEOHAB Core Research Project: HABs in Benthic Systems. *Global Ecology and Oceanography of Harmful Algal Blooms*. IOC of UNESCO and SCOR, Paris and Newark, pp. 62.
- Berdalet, E., I. Bravo, J. Evans, S. Fraga, S. Kibler, R. M. Kudela, J. Larsen, W. Litaker, A. Penna, P. Tester, M. Vila & A. Zingone 2012. GEOHAB Core Research Project: HABs in Benthic Systems. In: Berdalet, E., Tester, P. & Zingone, A. [Eds.]. IOC of UNESCO and SCOR, Paris and Newark, pp. 1-62.

## 2011

- Zingone, A., D. Sarno, R. Siano & D. Marino (2011). The importance and distinctiveness of small-sized phytoplankton in the Magellan Straits. *Polar Biol.* **34**:1269-84.
- Zingone, A., G. Forlani, I. Percopo & M. Montresor (2011). Morphological characterization of *Phaeocystis antarctica* (Prymnesiophyceae). *Phycologia* **50**:650-60.
- Zenetos, A., S. Gofas, M. Verlaque, M. E. Cinar, J. E. García Raso, C. N. Bianchi, C. Morri, E. Azzurro, M. Bilecenoglu, C. Frogli, I. Siokou, D. Violanti, A. Sfriso, G. San Martín, A. Giangrande, T. Katağan, E. Ballesteros, A. Ramos-Esplá, F. Mastrototaro, O. Ocaña, A. Zingone, M. C. Gambi & N. Strefitaris (2011). Errata to the Review Article (Medit. Mar. Sci. 11/2, 2010, 381-493): Alien species in the Mediterranean Sea by 2010. A contribution to the application of European Union's Marine Strategy Framework Directive MSFD). Part I. Spatial distribution. *Medit. Mar. Sci.* **12**:509-14.
- Wyatt, T. & A. Zingone (2011). Tangles and threads. *Harmful Algae* **43**:1-7.
- Percopo, I., R. Siano, F. Cerino, D. Sarno & A. Zingone (2011). Phytoplankton diversity during the spring bloom in the northwestern Mediterranean Sea. *Bot. Mar.* **54**:243–67.
- Huseby, S., M. Degerlund, A. Zingone, B. Landfald & E. Hansen (2011). Functional diversity in cryptic species of *Chaetoceros socialis* Lauder. *European Journal of Phycology* **46**:92-92.

## 2010

- Zingone, A., C. Totti, D. Sarno, M. Cabrini, C. Caroppo, M. G. Giacobbe, A. Lugliè, C. Nuccio & G. Socal 2010. Fitoplancton: metodiche di analisi quali-quantitativa. In: Socal, G., Buttino, I., Cabrini, M., Mangoni, O., Penna, A. & Totti, C. [Eds.] *Metodologie di studio del plancton marino*. ISPRA, Roma, pp. 204-28.
- Zingone, A., E. J. Philips & P. A. Harrison (2010). Multiscale variability of twenty-two coastal phytoplankton time series: a global scale comparison. *Estuaries and Coasts* **33**:224–29.
- Zingone, A., L. Dubroca, D. Iudicone, F. Margiotta, F. Corato, M. Ribera d'Alcalà, V. Saggiomo & D. Sarno (2010). Coastal phytoplankton do not rest in winter. *Estuaries and Coasts* **33**:342-61.

- Zingone, A., F. Cerino & I. Percopo 2010. Colture di Diluizione Seriale (SDC). *In: Socal, G., Buttino, I., Cabrini, M., Mangoni, O., Penna, A. & Totti, C. [Eds.] Metodologie di studio del plancton marino*. ISPRA, Roma, pp. 239-44.
- Zingone, A. 2010. Harmful algal blooms in the Mediterranean Sea: a historical overview. *In: Briand, F. [Ed.] Phytoplankton responses to Mediterranean environmental changes*. CIESM, Monaco, pp. 19-24.
- Zenetos, A., S. Gofas, M. Verlaque, M. E. Cinar, J. E. García Raso, C. N. Bianchi, C. Morri, E. Azzurro, M. Bilecenoglu, C. Frogli, I. Siokou, D. Violanti, A. Sfriso, G. San Martín, A. Giangrande, T. Katağan, E. Ballesteros, A. Ramos-Esplá, F. Mastrototaro, O. Ocaña, A. Zingone, M. C. Gambi & N. Streftaris (2010). Alien species in the Mediterranean Sea by 2010. A contribution to the application of European Union's Marine Strategy Framework Directive MSFD). Part I. Spatial distribution. *Medit. Mar. Sci.* **11**:381-493.
- Siokou-Frangou, I., U. Christaki, M. G. Mazzocchi, M. Montresor, M. Ribera D'Alcalà, D. Vaqué & A. Zingone (2010). Plankton in the open Mediterranean Sea: a review. *Biogeosciences* **7**:1-44.
- Sarno, D., A. Zingone & M. Montresor (2010). A massive and simultaneous sex event of two *Pseudo-nitzschia* species. *Deep-Sea Res Pt II* **57**:248-55.
- Rossi, R., V. Castellano, E. Scalco, L. Serpe, A. Zingone & V. Soprano (2010). New palytoxin-like molecules in Mediterranean *Ostreopsis* cf. *ovata* (dinoflagellates) and in *Palythoa tuberculosa* detected by liquid chromatography-electrospray ionization time-of-flight mass spectrometry. *Toxicon* **56**:1381-87.
- Honsell, G., M. Montresor, T. Romagnoli, D. Sarno, C. Totti & A. Zingone 2010. Osservazione del fitoplancton al microscopio elettronico a scansione (SEM) e a trasmissione (TEM). *In: Socal, G., Buttino, I., Cabrini, M., Mangoni, O., Penna, A. & Totti, C. [Eds.] Metodologie di studio del plancton marino*. ISPRA, Roma, pp. 235-41.
- Danovaro, R., C. Corinaldesi, A. Zingone & P. Del Negro 2010. Abbondanza Virale. *In: Socal, G., Buttino, I., Cabrini, M., Mangoni, O., Penna, A. & Totti, C. [Eds.] Metodologie di studio del plancton marino*. ISPRA, Roma, pp. 119-25.
- D'Alélio, D., M. Ribera d'Alcalà, L. Dubroca, D. Sarno, A. Zingone & M. Montresor (2010). The time for sex: a biennial life cycle in a marine planktonic diatom. *Limnol. Oceanogr.* **55**:106-14.

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