









**PERSONAL INFORMATION** Marina Montresor



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Sex Female | Date of birth 27/01/1956 | Nationality Italian

**APPOINTMENT FOR** Member of the Scientific Council of Stazione Zoologica Anton Dohrn

**EDUCATION AND DEGREES AWARDED**

- 06.04.2017 National scientific habilitation as full professor (I fascia) for Botany (settore concorsuale 05/A1)
- 24.03.1980 Degree in Biological Sciences (Laurea in Scienze Biologiche), University of Padova, Italy (110/110 *cum laude*)

**WORK EXPERIENCE**

- From 10.05.2000 to date: Senior scientist (primo ricercatore, livello 2) Stazione Zoologica Anton Dohrn, Naples (Italy)
- From 01.01.1989 to 09.05.2000: Research scientist (ricercatore, livello 3) Stazione Zoologica Anton Dohrn, Naples (Italy)
- From 04.05.1983 to 31.12.1989: Fellowship at the Marine Botany Laboratory, Stazione Zoologica Anton Dohrn, Naples (Italy)
- 1982 . April 1983: Mathematics and Natural Sciences teacher in secondary public schools (Padova, Italy)
- From November 1980 to October 1981: Fellowship at the Botany and Plant Physiology Institute, University of Padua (Italy)

## APPOINTMENTS at Stazione Zoologica

- From 03.05.2017 to date: Member of the Coordination Committee of the PhD Program Stazione Zoologica - Open University for the curriculum Integrative Marine Ecology
- From 24.09.2014 to 31.08.2017: President of the Seminar Committee
- From 21.04.2008 to 31.11.2014: Head of the Laboratory of Plankton Ecology and Evolution
- From 30.11.2001 to 31.03.2008: Head of the Laboratory of Marine Botany

## OTHER APPOINTMENTS

- January 2016 to date: Member of the Scientific Steering Committee of GLOBALHAB, an international programme sponsored by the Scientific Committee on Oceanic Research (SCOR) and the Intergovernmental Oceanographic Commission (IOC) of UNESCO
- 2017 - 2019: Member of the international panel of the Ramon Margalef Prize in Ecology (Premi Ramon Margalef d'Ecologia)
- September 2017: Member of the Scientific Advisory Board at Observatoire Oceanologique de Banyuls-sur-mer, Laboratoire Arago, UPMC . CNRS (evaluation of candidatures for new positions)
- 2010-2015: Member of GEOHAB (Global Ecology and Oceanography of Harmful Algal Blooms) for the Core Research Project Fjords and Coastal Embayments
- 2000-2008: Member of the faculty of the PhD program Biology of the Algae University of Messina (Italy).
- 2005-2007: Member of the Council of the International Society for the Study of Harmful Algae (ISSHA)
- April 2002: Member of the evaluation panel of the program Polar and Marine Research at the Alfred Wegener Institute for Polar and Marine Research (Bremerhaven, Germany) within the Scientific Council meeting.

## EDITORIAL ACTIVITY

- From August 2019 to date: Member of the Editorial Board of Limnology and Oceanography Letters
- From 2014 to date: Member of the Editorial Advisory Board of Harmful Algae
- From 2009 to 2011: Member of the Editorial Board of Estuaries and Coasts
- From 2007 to 2014: Member of the Editorial Board of Protist
- From 2005 to 2007: Member of the Editorial Board of Journal of Phycology
- From 2000 to 2005: Member of the Editorial Board of Phycologia



## Books and Special Issues

- Ongoing: M. Wells, M. Burford, A. Kremp, M. Montresor, G. Pitcher A Good Practices Manual to investigate the impacts of Climate Change on HABs (book in progress within GLOBALHAB)
- 2010: Garcés E., M. Montresor, J. Lewis, K. Rengefors, D. M. Anderson (2010) Phytoplankton Life Cycles and their Impacts on the Ecology of Harmful Algal Bloomsq Deep-Sea Research Part II Topical Studies in Oceanography
- 2001-2004: Zingone A, Montresor M, Samo D, Eds (2008) WeMP, Website on Mediterranean Phytoplankton [online].
- 2002: Garcés, E., Zingone, A., Montresor, M., Reguera, B. & Dale, B. 2002. LIFEHAB: Life History of Microalgal Species Causing Harmful Blooms. European Commission, Brussels, <http://www.icm.csic.es/bio/projects/lifehab/>, 189 pp.
- 1995: Marino, D. & Montresor, M. (Eds) (1995) Proceedings of the Thirteenth International Diatom Symposium. Biopress Limited, Bristol, 576 pp.
- Reviewer Reviewer for various scientific journals, including Nature, Science, ISME Journal, in the fields of microalgal ecology, taxonomy and diversity.
- Reviewer of scientific research projects for Italian Universities, MIUR (Projects PRIN) and international agencies: ANF (Agence Nationale de la Recherche, Francia), NSF (National Science Foundation, USA), FONDECYT (National Fund for Scientific & Technological Development, Chile), il Research Council of Norway, BONUS (Joint Baltic Sea Research Programme), Research Foundation Flanders (FWO)

## TEACHING ACTIVITY

- 14-18 January 2019: Teaching the Course Diversity and Life Histories of HABsqwithin the Austral Summer Institute XIX (ASI XIX), University of Concepcion (Chile)
- 19 May- 8 June 2019: Member of the faculty of the 12°Advanced Phytoplankton Course: Taxonomy and Systematics, Station Biologique de Roscoff (France)
- 2014-2017: Teaching Biology of the Algaeqwithin the Masterq Degree Course in Biology and Ecology of the Marine Environment and Sustainable Use of the Marine Resourcesq University Federico II, Napoli (Italy)
- 4-24 October 2015: Member of the faculty of the 11<sup>th</sup> Advanced Phytoplankton Course: Taxonomy and Systematics, Stazione Zoologica Anton Dohrn, Napoli (Italy)
- 4-8 February 2013: Member of the faculty of the INCOMMET Training Course on Taxonomy of Mediterranean Toxic AlgaeqStazione Zoologica Anton Dohrn, Napoli (Italy)
- March 2013: Teacher (Diversity of Microalgae) within the Progetto di Formazione PON01\_02740-Sfruttamento integrato di biomasse algali in filiera di qualità (SIBAFEQ) CUP B58F11000880005q
- 12-30 November 2012: Member of the faculty of the 10°Advanced Phytoplankton Course: Taxonomy and Systematics, University of Copenhagen (Denmark).

- 14-25 January 2008: Teacher Training Programme in Biological Oceanography in the framework of Earth System Science National Institute for Oceanography, Goa (India).
- 4-24 April 2008: Member of the faculty of the 9<sup>th</sup> Advanced Phytoplankton Course: Taxonomy and Systematics, Stazione Zoologica Anton Dohrn, Napoli (Italy)
- 25-29 September 2005: Teacher at the Course PEG (Phytoplankton Expert Group) HELCOM (Helsinki Commission), Marine Biology Department, University of Lund, Sweden.
- 5-9 September 2005: Teacher at the Advanced course on methods for taxonomic studies on dinoflagellate cyst in marine recent sediments University of Concepcion (Chile).
- 2-23 April 2005: Member of the faculty of the 8<sup>th</sup> Advanced Phytoplankton Course: Taxonomy and Systematics, Stazione Zoologica Anton Dohrn, Napoli (Italy)
- 2000-2001: Teaching the course Plancton Ecology at the University Parthenope (Faculty of Environmental Sciences), Napoli (Italy)
- 10-30 May 1998: Member of the faculty of the 7<sup>th</sup> Advanced Phytoplankton Course: Taxonomy and Systematics, Vico Equense (Italy)
- 24 September -14 October 1995: Member of the faculty of the 6<sup>th</sup> Advanced Phytoplankton Course: Taxonomy and Systematics, Casamicciola, Ischia (Italy)

## SUPERVISION ACTIVITY

- 1997-to present: Director of Studies of 5 PhD students and Internal Supervisor of 3 PhD students within the Open University-Stazione Zoologica Anton Dohrn PhD program; supervisor/co-supervisor of 5 PhD students within Italian PhD programs
- 2000-present: Supervisor of 10 master students

## PhD DEFENSE PANELS

- 2000-present: Member of PhD defense panels in Finland (1), Australia (3), Portugal (2), Denmark (3), Open University-Stazione Zoologica (5), Sweden (1), France (3), U.K. (1), Norway (1), Spain (1), Belgium (1), Italy (1).

## EVALUATION PANELS

- 2006: Assessment of Applicants for the Post of Associate Professor at the University of Oslo (Norway)
- 2013: Evaluation for promotion to Professor at the University of Gothenburg (Sweden)

## RESEARCH INTERESTS

My main research interests focus on the diversity and ecology of marine phytoplankton, with particular interest in their life cycles and the role they play in species ecology, population dynamics and genetic structure. I have applied classical morpho-taxonomy approaches combined with molecular methods including HTS metabarcoding - to investigate macro- and micro-evolutionary mechanisms that shape the diversity of microalgae. The life cycle of unicellular microalgae includes distinct phases: active growth, dormant or quiescent stages, and sexual reproduction. In collaboration with PhD students, post-docs and various colleagues we investigate the exogenous and/or endogenous factors that regulate the transition between different life phases with integrated approaches spanning from *in situ* observations, laboratory experiments, functional genomic studies (on the marine diatom *Pseudo-nitzschia multistriata*), and modeling.

## RESEARCH PROJECTS

(from year 2005)

- 2019-2021: **DISCO**: Diatom life cycles, molecular controls and contribution to ecosystem dynamics funded by the Gordon and Betty Moore Foundation; role: co-PI
- 2019-2021: **ABBaCo**: Restauro Ambientale e Balneabilità del SIN Bagnoli-Coroglio funded by MIUR (Italian Ministry for University and Research); role: participant in WP4
- 2018-2020: **RITMARE**: La Ricerca Italiana per il Mare funded by MIUR; role: participant in S3-WP4-A4 (Ecological and biogeochemical modelling) and S2-WP1-A2 (Innovative systems to support analysis and monitoring of fish stocks - stock units and food webs)
- 2013-2016: **BIODIVERSITALIA**: Approccio multitaxa allo studio delle risposte della biodiversità italiana al cambiamento climatico FIRB project funded by MIUR; role participant.
- 2012-2016: **GYPSY**: Genetics in *Pseudo-nitzschia* FP7-People ID: 293887 reintegration grant to Maria Immacolata Ferrante; role: participant
- 2011-2015: **Ostreopsis ovata e Ostreopsis spp.**: nuovi rischi di tossicità nei mari italiani funded by Ministero dell'Ambiente, Territorio e del Mare; role: coordinator of WP4.
- 2009-2010: **OHAFEX**: Indo-German iron fertilization experiment funded by National Institute of Oceanography (NIO, Goa, India) and Alfred Wegener Institute for Polar and Marine Research in the Helmholtz Association (Bremerhaven, Germany); role: participant.
- 2009: **MIDTAL**: Microarrays for the Detection of Toxic ALgae FP7- ENVIRONMENT ID: 201724; role: participant.
- 2008-2012: **VECTOR**: Vulnerability of the Italian coastlines and marine ecosystems to climate change funded by MIUR; role: participant.
- 2006-2010: **SEED**: Life cycle transformations among HAB species, and the environmental and physiological factors that regulate them FP6-SUSTDEV ID: 3875; role: coordinator of the SZN team.
- 2005-2007: **ESTTAL**: Expressed Sequence Tags of Toxic Algae FP6-SUSTDEV ID: 511154 role: participant
- 2005-2007:

**PUBLICATIONS on ISI  
JOURNALS**  
(from year 2005)

Google scholar H index= 43; citations = 6526

<https://scholar.google.com/citations?user=qbWLP4AAAAJ&hl=en>

Ferrante, M. I., Entrambasaguas, L., Johansson, M., Töpel, M., Kremp, A., Montresor, M. & Godhe, A. (2019). Exploring Molecular Signs of Sex in the Marine Diatom *Skeletonema marinoi*. *Genes* 10:494.

Pelusi, A., Santelia, M. E., Benevenuto, G., Godhe, A. & Montresor, M. 2019. The diatom *Chaetoceros socialis*: spore formation and preservation. *Eur. J. Phycol.*:1-10.

Zingone, A., D'Alelio, D., Mazzocchi, M. G., Montresor, M., Sarno, D. & LTER-MC Team 2019. Time series and beyond: multifaceted plankton research at a marine Mediterranean LTER site. *Nature Conservation* 34:273.

Amato, A., Kooistra, W. H. C. F. & Montresor, M. 2019. Cryptic Diversity: a Long-lasting Issue for Diatomologists. *Protist* 170:1-7.

Stern, R., Kraberg, A., Bresnan, E., Kooistra, W. H. C. F., Lovejoy, C., Montresor, M., Morán, X. A. G., Not, F., Salas, R., Siano, R., Vaulot, D., Amaral-Zettler, L., Zingone, A. & Metfies, K. (2018). Molecular analyses of protists in long-term observation programmes: current status and future perspectives. *J. Plankton Res.* 40:519-36.

Gaonkar, C. C., Piredda, R., Minucci, C., Mann, D. G., Montresor, M., Sarno, D. & Kooistra, W. H. C. F. (2018). Annotated 18S and 28S rDNA reference sequences of taxa in the planktonic diatom family Chaetocerotaceae. *PLoS ONE* 13:e0208929.

Piredda, R., Claverie, J.-M., Decelle, J., de Vargas, C., Dunthorn, M., Edvardsen, B., Eikrem, W., Forster, D., Kooistra, W. H. C. F., Logares, R., Massana, R., Montresor, M., Not, F., Ogata, H., Pawlowski, J., Romac, S., Sarno, D., Stoeck, T. & Zingone, A. 2018. Diatom diversity through HTS-metabarcoding in coastal European seas. *Sci. Rep.* 8:18059.

Russo MT, Vitale L, Entrambasaguas L, Anestis K, Fattorini N, Romano F, Minucci C, De Luca P, Biffali E, Vyverman W, Sanges R, Montresor M, Ferrante MI (2018) Sex determination in a marine diatom. *Nature Communication* 9, 5050 <https://doi.org/10.1038/s41467-018-07496-0>

Bates, S. S., Hubbard, K. A., Lundholm, N., Montresor, M. & Leaw, C. P. (2018). *Pseudo-nitzschia*, *Nitzschia*, and domoic acid: New research since 2011. *Harmful Algae* 79:3-43 <https://doi.org/10.1016/j.hal.2018.06.001>.

Schulz I, Montresor M, Klaas C, Assmy P, Wolzenburg S, Gauns M, Sarkar A, Thiele S, Wolf-Gladrow D, Naqvi W, & Smetacek V (2018) Remarkable structural resistance of a nanoflagellate-dominated plankton community to iron fertilization during the Southern Ocean experiment LOHAFEX. *Mar Ecol Prog Ser* 601, 77-95.

Mordret S, Piredda R, Vaulot D, Montresor M, Kooistra WHCF & Sarno D (2018) DINOREF: A curated dinoflagellate (Dinophyceae) reference database for the 18S rRNA gene. *Molecular Ecology Resources* 0, DOI: 10.1111/1755-0998.12781, doi: doi:10.1111/1755-0998.12781.

Escalera L, Italiano A, Pistocchi R, Montresor M & Zingone A (2018) *Gonyaulax hyalina* and *G. fragilis* (Dinoflagellata), two names associated with  $\neq$  rare sporocyst indicate the same species. *Phycologia* 57, 453-464.

Ruggiero MV, D'Alelio D, Ferrante MI, Santoro M, Vitale L, Procaccini G & Montresor M (2018) Clonal expansion behind a marine diatom bloom. *ISME J* doi:10.1038/ismej.2017.181.

Piredda R, Tomasino M, D'Erchia A, Manzari C, Pesole G, Montresor M, Kooistra W, Sarno D & Zingone A (2017) Diversity and temporal patterns of planktonic protist assemblages at a Mediterranean Long Term Ecological Research site. *FEMS Microbiol Ecol* 93, fiw200.



- Piredda R, Sarno D, Lange CB, Tomasino MP, Zingone A & Montresor M (2017) Diatom resting stages in surface sediments: a pilot study comparing Next Generation Sequencing and Serial Dilution Cultures. *Cryptogam Algal* 38, 31-46.
- Laglera LM, Tovar-Sánchez A, Iversen MH, González HE, Naik H, Mangesh G, Assmy P, Klaas C, Mazzocchi MG, Montresor M, Naqvi, S. W. A., Smetacek, V. & Wolf-Gladrow, D. A. (2017) Iron partitioning during LOHAFEX: Copepod grazing as a major driver for iron recycling in the Southern Ocean. *Mar Chem* 196, 148-161
- Gaonkar CC, Kooistra WHCF, Lange CB, Montresor M & Sarno D (2017) Two new species in the *Chaetoceros socialis* complex (Bacillariophyta): *C. sporotruncatus* and *C. dichatoensis*, and characterization of its relatives, *C. radicans* and *C. cinctus*. *J Phycol* 53, 889-907, doi: 10.1111/jpy.12554.
- Berdalet E, Montresor M, Reguera B, Roy S, Yamazaki H, Cembella A & Raine R (2017) Harmful algal blooms in fjords, coastal embayments, and stratified systems: Recent progress and future research. *Oceanography* 30, 46-57.
- Berdalet E, Kudela R, Urban E, Enevoldsen H, Banas NS, Bresnan E, Burford MA, Davidson K, Gobler CJ, Karlson K, Lim, P. T., Mackenzie, L., Montresor, M., Trainer, V. L., Usup, G. & Yin, K. (2017) A New Program to Promote International Research, Observations, and Modeling of Harmful Algal Blooms in Aquatic Systems. *Oceanography* 30, 70-81.
- Basu S, Patil S, Mapleson D, Russo MT, Vitale L, Fevola C, Maumus F, Casotti R, Mock T, Caccamo M, M., Montresor, M., Sanges, R. & Ferrante, M. I. (2017) Finding a partner in the ocean: molecular and evolutionary bases of the response to sexual cues in a planktonic diatom *New Phytol* doi: 10.1111/nph.14557.
- Scalco E, Amato A, Ferrante M & Montresor M (2016) The sexual phase of the diatom *Pseudo-nitzschia multistriata*: cytological and time-lapse cinematography characterization. *Protoplasma* 253, 1421. 1431,
- McNamee SE, Medlin LK, Kegel J, McCoy GR, Raine R, Barra L, Ruggiero MV, Kooistra WHCF, Montresor M, Hagstrom J, Blanco, E. P., Graneli, E., Rodríguez, F., Escalera, L., Reguera, B., Dittami, S., Edvardsen, B., Taylor, J., Lewis, J. M., Pazos, Y., Elliott, C. T. & Campbell, K. (2016) Distribution, occurrence and biotoxin composition of the main shellfish toxin producing microalgae within European waters: A comparison of methods of analysis. *Harmful Algae* 55, 112-120.
- Forster D, Dunthorn M, Mahé F, Dolan J, Audic S, Bass D, Bittner L, Boutte C, Christen R, Claverie J, Decelle, J., Edvardsen, B., Egge, E., Eikrem, W., Gobet, A., Kooistra, W. C. H. F., Logares, R., Massana, R., Montresor, M., Not, F., Ogata, H., Pawlowski, J., Pernice, M. C., Romac, S., Shalchian-Tabrizi, K., Simon, N., Richards, T. A., Santini, S., Sarno, D., Siano, R., Vulot, D., Wincker, P., Zingone, A., De Vargas, C. & Stoeck, T. (2016) Benthic protists: the under-charted majority. *FEMS Microbiol Ecol* 92, fiw120, doi: 10.1093/femsec/fiw120.
- Bastianini M, Totti C, Penna A, De Lazzari A & Montresor M (2016) Dinoflagellate cyst production in the north-western Adriatic Sea. *Medit Mar Sci* 17, 751-765,
- Ruggiero MV, Sarno D, Barra L, Kooistra WHCF, Montresor M & Zingone A (2015) Diversity and temporal pattern of *Pseudo-nitzschia* species (Bacillariophyceae) through the molecular lens. *Harmful Algae* 42, 15-24.
- Patil S, Moeys S, von Dassow P, Huysman MJJ, Mapleson D, De Veylder L, Sanges R, Vyverman W, Montresor M & Ferrante MI (2015) Identification of the meiotic toolkit in diatoms and exploration of meiosis-specific SPO11 and RAD51 homologs in the sexual species *Pseudo-nitzschia multistriata* and *Seminavis robusta*. *BMC Genomics* 16, doi: 10.1186/s12864-12015-11983-12865.
- Di Dato V, Musacchia F, Petrosino G, Patil S, Montresor M, Sanges R & Ferrante MI (2015) Transcriptome sequencing of three *Pseudo-nitzschia* species reveals comparable gene sets and the presence of Nitric Oxide Synthase genes in diatoms. *Sci Rep* doi:10.1038/srep12329.



D'Alelio D, Mazzocchi MG, Montresor M, Sarno D, Zingone A, Di Capua I, Franzè G, Margiotta F, Saggiomo M & Ribera d'Alcalà M (2015) The green-blue swing: plasticity of plankton food-webs in response to coastal oceanographic dynamics. *Marine Ecology* 36, 1155-1170, doi: 10.1111/maec.12211.

Tesson SVM, Montresor M, Procaccini G & Kooistra WHCF (2014) Temporal changes in population structure of a marine planktonic diatom. *PLoS One*, doi: 10.1371/journal.pone.0114984.

Scalco E, Stec K, Iudicone D, Ferrante MI & Montresor M (2014) The dynamics of sexual phase in the marine diatom *Pseudo-nitzschia multistriata* (Bacillariophyceae). *J Phycol* 50, 817-828.

Keeling PJ, Burki F, Wilcox HM, Allam B, Allen EE, Amaral-Zettler LA, Armbrust EV, Archibald JM, Bharti AK, Bell CJ, Beszteri B, Bidle K. D., Cameron C. T., Campbell L, Caron D. A., Cattolico R. A., Collier J. L., Coyne K., Davy S. K., Deschamps P., Dyhrman S. T., Edvardsen B., Gates R. D., Gobler C. J., Greenwood S. J., Guida S. M., Jacobi J. L., Jakobsen K. S., James E. R., Jenkins B., John U., Johnson M. D., Juhl A. R., Kamp A., Katz L. A., Kiene R., Kudryavtsev A., Leander B. S., Lin S., Lovejoy C., Lynn D., Marchetti A., McManus G., Nedelcu A. M., Menden-Deuer S., Miceli C., Mock T., Montresor M., Moran M. A., Murray S., Nadathur G., Nagai S., Ngam P. B., Palenik B., Pawlowski J., Petroni G., Piganeau G., Posewitz M. C., Rengefors K., Romano G., Rumpho M. E., Rynearson T., Schilling K. B., Schroeder D. C., Simpson A. G. B., Slamovits C. H., Smith D. R., Smith G. J., Smith S. R., Sosik H. M., Stief P., Theriot E., Twary S., Umale P. E., Vault D., Wawrik B., Wheeler G. L., Wilson W. H., Xu Y., Zingone A. & Worden A. Z. (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, doi: org/10.1371/journal.pbio.1001889-

John U, Litaker W, Montresor M, Murray S, Brosnahan ML & Anderson DM (2014) Proposal to reject the name *Gonyaulax catenella* (*Alexandrium catenella*) (Dinophyceae). *Taxon* 63, 932-933.

John U, Litaker W, Montresor M, Murray S, Brosnahan M & Anderson DM (2014) Formal revision of the *Alexandrium tamarense* species complex (Dinophyceae) taxonomy: the introduction of five species with emphasis on molecular-based (rDNA) classification. *Protist* 165, 779-804.

Godhe A, Kremp A & Montresor M (2014) Genetic and microscopic evidence for sexual reproduction in the centric diatom *Skeletonema marinoi*. *Protist* 165, 401-416.

Escalera L, Benvenuto G, Scalco E, Zingone A & Montresor M (2014) Ultrastructural features of the benthic dinoflagellate *Ostreopsis cf. ovata* (Dinophyceae). *Protist* 165, 260-274.

Assmy P, Cisewski B, Henjes J, Klaas C, Montresor M & Smetacek V (2014) Response of the protozooplankton assemblage during the European Iron Fertilization Experiment (EIFEX) in the Antarctic Circumpolar Current. *J Plankton Res* 36, 1175-1189.

Adelfi MG, Borra M, Sanges R, Montresor M, Fontana A & Ferrante MI (2014) Selection and validation of reference genes for qPCR analysis in the pennate diatoms *Pseudo-nitzschia multistriata* and *P. arenysensis*. *J Exp Mar Biol Ecol* 451, 74-81.

Tesson SVN, Legrand C, van Oosterhout C, Montresor M, Kooistra WHCF & Procaccini G (2013) Mendelian Inheritance Pattern and High Mutation Rates of Microsatellite Alleles in the Diatom *Pseudo-nitzschia multistriata* *Protist* 164, 89-100.

Montresor M, Di Prisco C, Sarno D, Margiotta F & Zingone A (2013) Diversity and germination patterns of diatom resting stages at a coastal Mediterranean site. *Mar Ecol Prog Ser* 484, 79-95.

Medlin LK, Montresor M, Graneli E, Reugera B, Raine R, Edvardsen B, Lewis J, Elliott C, Pazos Y & Maranda L (2013) MIDTAL (Microarrays for the Detection of Toxic Algae). *Phyotaxa* 127, 201-210.

Lamari N, Ruggiero MV, d'Addato G, Kooistra WHCF, Fontana A & Montresor M (2013) Specificity of Lipoxygenase Pathways Supports Species Delineation in the Marine Diatom Genus *Pseudo-nitzschia*. *PLoS ONE* 8, e73281, doi: 10.1371/journal.pone.0073281.

Guillou L, Bachar D, Audic S, Bass D, Berney C, Bittner L, Boutte C, Burgaud G, de Vargas C, Decelle J, del Campo, J., Dolan, J. R., Dunthorn, M., Edvardsen, B., Holzmann, M., Kooistra, W. H. C. F., Lara, E., Le Bescot, N., Logares, R., Mahe, F., Massana, R., Montresor, M., Morard, R., Not, F., Pawlowski, J., Probert, I., Sauvadet, A.-L., Siano, R., Stoeck, T., Vaulot, D., Zimmermann, P. & Christen, R.. (2013) The Protist Ribosomal Reference database (PR2): a catalog of unicellular eukaryote Small Sub-Unit rRNA sequences with curated taxonomy. *Nucleic Acids Res* 41, D597-D604, doi: 10.1093/nar/gks1160.

Fuchs N, Scalco E, Kooistra WCHF, Assmy P & Montresor M (2013) Genetic characterization and life cycle of the diatom *Fragilariopsis kerguelensis*. *Eur J Phycol* 48, 411-426.

Botte V, Ribera D'Alcalà M & Montresor M (2013) Hydrodynamic interactions at low Reynolds number: an overlooked mechanism favouring diatom encounters. *J Plankton Res* 35, 914-918.

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## PATENT

Medlin L., Montresor M., Graneli E., Reguera B., Raine R., Edvardsen B., Lewis J., Microarray slide and method for detecting toxic algae (WO 2015008011 A1)  
<http://www.google.com/patents/WO2015008011A1?d=en>

## ORGANIZATION

### Courses-Workshops

- 2018-2019; Co-chair of the International Scientific Committee for the organization of the 7th European Phycological Congress (Zagreb, Croatia) 25-30 August 2019 (<http://epcseven.biol.pmf.hr/>)
- 2015, 2008, 2005, 1998, 1995: Member of the organizing committee of Advanced Phytoplankton Courses: Taxonomy and Systematics held at Stazione Zoologica Anton Dohrn
- 2012; Member of the organizing group of the Open Science Meeting "Progress in interpreting Life History and Growth Dynamics of Harmful Algal Blooms in Fjords and Coastal Environments" (Victoria, Canada, May 2012)
- April 2012: Organizer (with M. V. Ruggiero and Lucia Barra) of the final meeting of the EU project MIDTAL and the workshop on the MIDTAL microarray for the detection of harmful species at Stazione Zoologica Anton Dohrn
- 2010: Organizer (with Peter von Dassow) of the session "Unveiling the secrets of phytoplankton life cycles" at the ASLO-AGU Ocean Sciences Meeting Portland, Oregon, USA 22-26 February 2010
- 1994: Member of the organizing committee of the 13th International Diatom Symposium (Acquafredda di Maratea 1-9 September 1994)

## INVITED LECTURES

(from year 2005)

- 20-24 June 2018; Plenary lecture at the VI International Symposium on Marine Sciences, Vigo (Spain)
- 3-6 July 2018: Invited lecture at the meeting of the Society for Experimental Biology, Firenze (Italy)
- 9-13 July 2017: Invited lecture at the International Conference "Molecular Life of Diatoms" Kobe (Japan)
- 14-16 March 2017: Invited lecture at the PHYCOTOX meeting, Gif-sur-Yvette (France)
- 9-15 October 2016: Plenary lecture at the 17th International Conference on Harmful Algae, Florianopolis (Brasil)
- 5-10 September 2015: Invited lecture at the VII ECOP . ISOP Joint Meeting; Sevilla (Spain)
- 27-29 August 2014: Invited lecture at the workshop PRODIVERSA, Tjarno (Sweden)
- 23 - 25 April 2013: Invited lecture at the 9th Assembly of the Centre for Marine Evolutionary Biology (CeMEB), Tjämö (Sweden)
- 26-31 August 2012: Invited lecture at the 22nd Diatom Symposium, Ghent (Belgium)
- 2-8 September 2010: Invited lecture at the XXVIII National Congress of the Italian Protistologica Society, Pisa (Italy)
- March 1<sup>st</sup> 2010: Invited lecture at the Texas A&M University, College Station (USA)

- 9-11 October 2009: Invited lecture at the EMBO Workshop: Evo-Devo meets Marine Ecology, Stazione Zoologica, Ischia (Italy)
- 26-29 May 2009: Invited lecture at the 40° Conference of the Italian Society for Marine Biology, Livorno (Italy)
- 13-18 July 2008: Invited lecture at the Gordon Research Conference on Marine Microbes, Il Ciocco, Lucca (Italy)
- 8-12 October 2007: Invited lecture at the Chapman Conference on Long Time-Series Observations in Coastal Ecosystems: Comparative Analyses of Phytoplankton Dynamics on Regional to Global Scales, Rovinj (Croatia)
- 25-27 June 2007: Invited lecture at the workshop  $\pounds$ Comparative genomics and functional significance of the sexual phase in eukaryotic organized within Marine Genomics Europe, ICM-CSIC, Barcelona (Spain)
- 3-7 July 2006: Invited lecture at the XVII Congress of the Italian Association for Oceanography and Limnology, Napoli (Italy)

**MEMBER OF SCIENTIFIC SOCIETIES**

Associated member of the Centre for Marine Evolutionary Biology (CeMEB) at the University of Gothenburg

Member of the International Phycological Society

Member of the International Society for the Study of Harmful Algae

**PERSONAL SKILLS**

Mother tongue(s) Italian

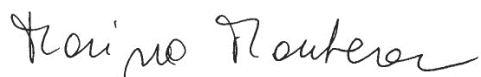
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
German	B1	B2	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

La sottoscritta Marina Montresor, consapevole che ai sensi degli artt. 46 e 47 del Decreto del Presidente della Repubblica n. 445/2000 e successive modificazioni ed integrazioni e consapevole della responsabilità penale prevista dall'articolo 76 del medesimo Decreto del Presidente della Repubblica, per le ipotesi di falsità in atti e dichiarazioni mendaci, dichiara che le informazioni incluse nel presente Curriculum vitae composto di n 13 pagine corrispondono al vero.

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

Napoli, 30 September 2019



Marina Montresor