

PERSONAL INFORMATION

Family name, First name: **MANINI, ELENA**

Researcher unique identifiers: <https://orcid.org/0000-0002-8990-2929>;
<http://www.researcherid.com/rid/C-2032-2015>

Date of birth: omissis

Nationality: **Italian**

URL for web: <https://scholar.google.com/citations?hl=it&user=tjH2L1AAAAAJ>
<https://www.scopus.com/authid/detail.uri?authorId=6602189233>

• **EDUCATION**

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|-----------|---|
| 1991 | Master's degree in Biological Sciences, University of Urbino (PS) |
| 1996-1997 | Scholarship Consorzio Nazionale Interuniversitario per le Scienze del Mare (CONISMA; Prot. n. PRI/027/96 del 14/5/96), Italy |
| 1997-2000 | PhD in Environmental Sciences: Marine Ecology (XIII°). Thesis title: "Relationship between organic detritus and benthic microbial loop in the Mediterranean sea characterized by different trophic conditions.
Department of Human and Environmental Sciences, University of Pisa, Italy |
| 2000-2001 | PostDoc in Ecology
Science Faculty, University of Ancona, Italy |

• **CURRENT POSITION(S)**

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| 2001 | Permanent Researcher CNR in Microbial Ecology
Institute of Marine Sciences, National Research Council (CNR- ISMAR), Italy |
| 2020 – today | Senior Researcher CNR
Institute for Marine Biological Resources and Biotechnology, National Research Council (CNR-IRBIM), Italy |

• **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

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|-------------|---|
| 2009 – 2021 | 6 Postdoctoral position in Marine Biology (Scientific Responsible) |
| 2006-2009 | 1 PhD Polytechnic University of Marche in Marine Biology (Co-supervisor) |
| 2010-2013 | 1 PhD University of Naples “Federico II” in Microbiology (Co-supervisor) |
| 2011-2014 | 1 PhD University of Parma in Ecology (Co-supervisor) |
| 1998-2020 | 16 Master Students in Marine Biology, Polytechnic University of Marche (Co-tutor) |
| 2011-2012 | 1 Master Student in Marine Biology, University of Padova (Co-tutor) |
| 2016-2017 | 1 Master Student in Environmental Sciences, University of Bologna (Co-tutor) |
| 2019-2021 | 2 Master Students in Microbiology, University of Naples “Federico II” (Co-tutor) |

• **TEACHING ACTIVITIES**

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| 2008 | Master in Ecogovernance on Prokaryotic diversity and functioning in aquatic ecosystem- Polytechnic University of Marche. |
| 2007- 2008 | Course in Environmental monitoring (modulo1) Polytechnic University of Marche- Facoltà di Scienze, Laurea triennale in Tecniche del controllo ambientale e protezione civile. |

- 1999-2000 Master Course on Bioremediation and Biotechnologies – Polytechnic University of Marche.
- 1998-2008 Assistant lectures in the framework of courses in Ecology and Marine biology for undergraduate student - Polytechnic University of Marche.

- **INSTITUTIONAL RESPONSIBILITIES**

- 2017 to 2023 Habilitation for Associate Professor in 05/C1- Ecology (art. 16, comma 1, Legge 240/10)

- **REVIEWING ACTIVITIES**

- 2013 Reviewer of research projects: Grant funding to the New Jersey Agricultural Experiment Station (Rutgers University); proposal February 2015:"action de Recherche Concertée 2015 (Università di Léige_Belgio)".
- From 2011 ANVUR Evaluation Expert Register
- From 2005 Reviewer for Scientific Journal including: Science of the Total Environment; Marine Environmental Research; FEMS Microbiology Ecology; Current microbiology; Extremophiles; Applied and Environmental Microbiology; Deep sea research II; Continental Shelf Research; Frontiers Marine Science; Plos one; Limnology and Oceanography

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

- 2018 Member of Scientific research team of DCO (Deep Carbon Observatory <https://deepcarbon.net>)

- **RESEARCH TOPIC**

Scientific interests mainly concern the study of the microbial ecology and marine biodiversity more in detail the topics are: i) Benthic microbial loop and trophodynamic processes; ii) Microbial ecology in coastal, deep-sea, extreme environments and polar research ; iii) Development of indicators of trophic state, ecological integrity and quality of marine environments; also, the research deals with water quality and bathing and evolution of faecal pathogenic bacteria in aquatic ecosystems iv) Microbial biodiversity and functional relationship; v) Environmental biotechnology (bioremediation, biodegradation) vi) the study of microbiome in marine organisms (i.e., farmed and wild fish species).

- **SCIENTIFIC RESPONSIBLE OF RESEARCH UNIT**

- 2009-2011 Scientific Responsible - POR Puglia. Progetto integrato per il miglioramento della pescosità nel Lago di Varano (n.contratto 043/DIR/2009/00047)
- 2007-2010 Principal Investigator (PI) of Research Unit in Italy Eurocores EuroDEEP ESF (06-EuroDEEP-FP-005). BIOFUN Biodiversity and ecosystem functioning in contrasting southern European deep-sea environment: from virus to megafauna.

2006-2008 Scientific Responsible - POR Puglia SFOP-ASSE IV- CAINO Valutazione della Compatibilità Ambientale per l'identificazione di aree idonee a pratiche di maricoltura off-shore nel Golfo di Manfredonia.

2006-2008 Scientific Responsible of Research Unit - POR Puglia SFOP-ASSE IV- MIDAN Messa a punto di metodologie e gestione di aree per il novellame di specie ittiche di interesse commerciale nella laguna di Lesina.

- **SCIENTIFIC RESPONSIBLE OCENOGRAPHIC RESEARCH CRUISE:**

July 2008 and October 2009: N/O Urania ESF-BIOFUN 09 e ESF-BIOFUN 08 funding BIOFUN-Eurocores EuroDEEP ESF (n°06-EuroDEEP-FP-005).

- **COMPONENT OF RESEARCH UNIT IN NATIONAL AND INTERNATIONAL PROJECTS**

- 2021- 2024 ARENA (Antibiotic RESistaNce and Pathogenic Signature in Marine and Freshwater Aquaculture Systems) JPI Aquatic Pollutants

- 2021-2023 Melting-ICE (Impact of climate change-induced permafrost and ice melting on the biodiversity and ecosystem functioning of Arctic environments) -Programma di Ricerche in Artico (PRA) 2018-2020

- 2018-2023 CIRCLE (Controlling mIcRobiomes CircuLations for bETter food Systems) H2020-SFS-2018-2020 Sustainable Food Security

- 2019-2023 ITEM (Innovazione tecnologica per la tutela e la valorizzazione degli ecosistemi marini) CTN Blue Growth –Progetto Cluster “BIG”

- 2019-2021 WATERCARE (Water management solutions for reducing microbial environment impact in coastal areas) INTERREG ITALY-CROATIA

- 2018-2020 CatchUpFish (Sviluppo di metodologie innovative per lo sfruttamento sostenibile delle risorse biologiche nella Laguna di Lesina) FEAMP 2014-2020 Regione Puglia - MISURA 1.44

- 2013-2016 BALMAS (Ballast Water Management System for Adriatic sea protection) ADRIATIC IPA

- 2011-2013 PNRA (Diversity and functioning of prokaryote community pre and post seasonal ice melt in Antarctica);

- 2006-2009 VECTOR MIUR (Vulnerabilità delle Coste e degli ecosistemi marini italiani ai cambiamenti climatici e loro ruolo nei cicli del carbonio mediterraneo)
- 2005-2008 HERMES Eu 6FP (Hotspot Ecosystems Research on the Margins of European Seas)
- 2003-2005 MIUR-FIRB (Biodiversità ed organizzazione delle comunità in differenti contesti ambientali)
- 2003-2005 NITIDA (Nuovi indicatori di stato trofico e di integrità ecologica) MIUR COFIN
- 2001-2004 MEDVEG EU (Effects of nutrient release from Mediterranean fish farms on benthic vegetation in coastal ecosystems)
- 2001-2004 PITAGEM MIUR (Procedure integrate per lo studio dei processi trofici marini e attivazione e gestione di piattaforme attrezzate per il monitoraggio marino)
- 2001-2003 ADIOS EU VFP (Atmospheric Deposition and Impact of Pollutants, key elements and nutrients of the Open Mediterranean Sea)
- 2001-2003 INTERPOL EU VFP (Impact of Natural and Trawling Events on Resuspension, Dispersion and Fate of Pollutants)
- 2000-2003 SINAPSI MIUR (Variabilità stagionale, interannuale e decadale dell'atmosfera, dell'oceano e degli ecosistemi marini)
- 1999 CAT (Produzione, Cambiamento e Vulnerabilità di Ecosistemi Acquatici di Transizione delle Coste dell'Adriatico) Cofin MIUR
- 1999-2002 MAT MIUR (Protezione dell'ambiente marino: Biocenosi Bentoniche e Aree Marine Protette)
- 1999-2001 INTERREG-FESR (Conservazione della biodiversità e gestione sostenibile dei biotopi salmastri delle coste italiane)
- 1998-2000 MIUR-Cofin (High resolution temporal and spatial study on the Benthic biology and Geochemistry of a north-eastern Atlantic abyssal Locality)

- 1996-1998 BENGAL, CEE/framework: MAST, 4PQ

-1996-1998 PRISMA Fase 2 - Fondi MURST (Programma di Ricerca e Sperimentazione per la salvaguardia del Mare Adriatico)

- **TEACHING ACTIVITIES AND ACADEMIC TITLE**

-from 06/04/2017 to 06/04/2023 Habilitation for Associate Professor in 05/C1- Ecology (art. 16, comma 1, Legge 240/10)

-from 02/2008 to 04/2008 Teaching activity. Master in ecogovernance on Prokaryotic diversity and functioning in aquatic ecosystem- Polytechnic University of Marche.

- from 10/2007 to 01/2008 Teaching activity. Corso di Monitoraggio ambientale (modulo1) Polytechnic University of Marche- Facoltà di Scienze, Laurea triennale in Tecniche del controllo ambientale e protezione civile.

- from 09/1999 to 03/2000 Teaching activity. Master Course on Bioremediation and Biotechnologies Polytechnic University of Marche.

- from 1998 to 2008 Assistant lectures in the framework of courses in Ecology and Marine biology for undergraduate student - Polytechnic University of Marche.

- **ESPERIENCE IN RESEARCH DIRECTION AND RESEARCH EVALUATION**

- Co-Tutor for 3 Doctoral Scholarship:

- from 2011 to 2014 University of Parma in Ecology. Title: The role of Archaea in the nitrose cycle of coastal lagoon sediments. Student: Claudia Pala

-from 2010 to 2013 University of Naples “Federico II”. Title: Microbial life and metabolism in Mediterranean Sea extreme environments; Student: Donato Giovannelli

- from 2006 to 2009. Polytechnic University of Marche; Title: Prokaryotic community structure and metabolic activities in deep-sea benthic ecosystems. Student: Massimiliano Molari.

- Scientific responsible for 6 Postdoctoral position in biological sciences
- Co-Tutor for 20 Master’s degree from 1998 to 2020 in Biological Sciences

- **ISI LISTED PUBLICATIONS**

Total publications: 46

Indicatori bibliometrici

1. H-Index: 22 - Scopus
2. H-Index: 24 –Google Scholar

Publications:

1. Penna, P., Baldrighi, E., Betti, M., Bolognini L., Campandelli A., Capellacci S., Casabianca S., Ferrarin C., Giuliani G., Grilli F., Intoccia M., Manini E., Moro F., Penna A., Ricci, F., Marini, M. (2021). Water quality integrated system: A strategic approach to improve bathing water management. *Journal of Environmental Management*, 295, 113099
2. Fullerton, K.M., Schrenk, M.O., Yücel, M., Manini E., Basili M., Rogers TJ., Fattorini D., Di Carlo M., d’Errico G., Regoli F., Nakagawa M., Vetriani C., et al. (2021). Effect of tectonic processes on biosphere–geosphere feedbacks across a convergent margin. *Nature Geoscience*, 2021, 14(5), pp. 301–30
3. Quero, G.M., Ape, F., Manini, E., Mirto, S., Luna, G.M. 2020. Temporal Changes in Microbial Communities Beneath Fish Farm Sediments Are Related to Organic Enrichment and Fish Biomass Over a Production Cycle. *Frontiers in Marine Science*, 2020, 7, 524
4. Basili, M., Quero, G.M., Giovannelli, D., Manini E., Vignaroli C., Avio CG., De Marco, R., GM. 2020. Major Role of Surrounding Environment in Shaping Biofilm Community Composition on Marine Plastic Debris. *Frontiers in Marine Science*, 7, 262
5. Barry, P.H., Nakagawa, M., Giovannelli, D., Maarten de Moor L, Schrenk M., Manini E., Fattorini D., di Carlo M., Regoli F., Fullerton, K., Lloyd, K.G. (2019). Helium, inorganic and organic carbon isotopes of fluids and gases across the Costa Rica convergent margin. *Scientific Data*, 6(1), 284 <https://doi.org/10.1038/s41597-019-0302-4>
6. Barry PH, de Moor JM, Giovannelli D, Schrenk M, Hummer DR, Lopez T, Pratt CA, Alpízar Segura Y, Battaglia A, Beaudry P, Bini G, Cascante M, d’Errico G, di Carlo M, Fattorini D, Fullerton K, Gazel E, González G, Halldórsson SA, Iacovino K, Kulongoski JT, Manini E et al. (2019). Forearc carbon sink reduces long-term volatile recycling into the mantle: *Nature*. <https://doi.org/10.1038/s41586-019-1131-5>
7. Ape F, Manini E, Quero GM, Luna GM, Sarà G, Vecchio P, Brignoli P, Ansferri S, Mirto S (2019) Biostimulation of in situ microbial degradation processes in organically-enriched sediments mitigates the impact of aquaculture. *Chemosphere*. doi: 10.1016/j.chemosphere.2019.03.178
8. Luna, G.M., Manini E et al. (2018) Status of faecal pollution in ports: A basin-wide investigation in the Adriatic Sea. *Marine Pollution Bulletin* <https://doi.org/10.1016/j.marpolbul.2018.03.050>
9. Pala C, Molari M, Nizzoli D, Bartoli M, Viaroli P, Manini E (2018) Environmental Drivers Controlling Bacterial and Archaeal Abundance in the Sediments of a Mediterranean Lagoon Ecosystem. *Current Microbiology*. <https://doi.org/10.1007/s00284-018-1503-3>
10. Baldrighi E., Giovannelli D., D’Errico G., Lavaleye M., Manini E. (2017). Exploring the Relationship between Macrofaunal Biodiversity and Ecosystem Functioning in the Deep Sea. doi: 10.3389/fmars.2017.00198

11. Giovannelli D., d'Errico G., Fiorentino F., Fattorini D., Regoli F., Angeletti L., Bakran-Petricioli T., Vetriani C., Yücel M., Taviani M. and Manini E. (2016). Diversity and Distribution of Prokaryotes within a Shallow-Water Pockmark Field. *Frontiers in Microbiology*. <http://dx.doi.org/10.3389/fmicb.2016.00941>
12. Pasotti F., Manini E., Giovannelli D, Wölfl AC, Monien D, Verleyen E, Braeckman U., Abele D., Vanreusel A. (2014) Antarctic shallow water benthos in an area of recent rapid glacier retreat. *Marine Ecology*. 36 (3):716-733; doi: 10.1111/maec.12179
13. Baldrighi E, Manini E 2015. Deep-sea meiofauna and macrofauna diversity and functional diversity: are they related? *Marine Biodiversity*
14. Baldrighi E, Lavaleye M, Aliani S, Conversi A, Manini E (2014) Large spatial scale variability in bathyal macrobenthos abundance, biomass, α - and β -diversity along the Mediterranean continental margins. *PloS one*. doi: 10.1371/journal.pone.0107261
15. D Wall-Palmer, CW Smart, MB Hart, MJ Leng, M Borghini, E Manini, S Aliani, A. Conversi. 2014. Late Pleistocene pteropods, heteropods and planktonic foraminifera from the Caribbean Sea, Mediterranean Sea and Indian Ocean
16. Giovannelli D, Molari M, d'Errico G, Baldrighi E, Pala C, Manini E (2013). Large-scale distribution and activity of prokaryotes in deep-sea surface sediments of the Mediterranean Sea and the adjacent Atlantic Ocean. *PloS one*. doi: 10.1371/journal.pone.0072996
17. Molari M, Manini E, A Dell'Anno (2013). Dark inorganic carbon fixation sustains the functioning of benthic deep-sea ecosystems. *Global Biogeochemical Cycles*. Vol.27(1): 212–221 doi: 10.1002/gbc.20030
18. G d'Errico, D Giovannelli, C Montano, V Milanovic, M Ciani, E Manini (2013). Bioremediation of high organic load lagoon sediments: Compost addition and priming effects. *Chemosphere*
19. E Pape, DOB Jones, E Manini, TN Bezerra, A Vanreusel 2013. Benthic-pelagic coupling: effects on nematode communities along southern European continental margins. *PloS one*
20. D Giovannelli, G d'Errico, E Manini, M Yakimov, C Vetriani 2013. Diversity and phylogenetic analyses of bacteria from a shallow-water hydrothermal vent in Milos island (Greece). *Frontiers in microbiology*
21. E Baldrighi, S Aliani, A Conversi, M Lavaleye, M Borghini, E Manini 2013. From microbes to macrofauna: an integrated study of deep benthic communities and their response to environmental variables along the Malta Escarpment (Ionian Sea). *Scientia Marina*
22. M. Molari, E. Manini 2012. Reliability of CARD-FISH procedure for enumeration of Archaea in deep-sea surficial sediments. *Current microbiology*

23. M Molari, D Giovannelli, G d'Errico, E Manini. 2012. Factors influencing prokaryotic community structure composition in sub-surface coastal sediments. *Estuarine, Coastal and Shelf Science*.
24. D Giovannelli, A Grosche, V Starovoytov, M Yakimov, E Manini, C Vetriani 2012. *Galenea microaerophila* gen. nov., sp. nov., a mesophilic, microaerophilic, chemosynthetic, thiosulfate-oxidizing bacterium isolated from a shallow-water hydrothermal vent. *International journal of systematic and evolutionary microbiology*
25. TL Maugeri, G Bianconi, F Canganella, R Danovaro, C Gugliandolo F Italiano, V Lentini, E Manini, B Nicolaus. 2010. Shallow hydrothermal vents in the southern Tyrrhenian Sea. *Chemistry and Ecology*
26. Spagnoli, A Dell'Anno, A De Marco, E Dinelli, M Fabiano, MV Gadaleta, MV Gadaleta, C Ianni, F Loiacono, E Manini, M Marini, G Mongelli, G Rampazzo, P Rivaro, L Vezzulli **2010**. Biogeochemistry, grain size and mineralogy of the central and southern Adriatic Sea sediments: a review. *Chemistry and Ecology*
27. Munari C.; Manini E.; Pusceddu A.; Danovaro R.; Mistri M. 2009. Response of BITS (a benthic index based on taxonomic sufficiency) to water and sedimentary variables and comparison with other indices in three Adriatic lagoons. *Marine Ecology*. DOI: 10.1111/j.1439-0485.2009.00297.
28. Danovaro R, Corinaldesi C, Luna G, Magagnini M, Manini E, Pusceddu A 2009. Prokaryote diversity and viral production in deep-sea sediments and seamounts. *Deep-sea research. Part 2. Topical studies in oceanography*. DOI: 10.1016/j.dsr2.2008.10.011
29. Manini E., Luna G.M., Corinaldesi C., Zeppilli D., Bortoluzzi G., Caramanna G., Raffa F., Danovaro R. 2008. Prokaryote diversity and virus abundance in shallow hydrothermal vents of the Mediterranean Sea (Panarea Island) and the Pacific Ocean (North Sulawesi-Indonesia). *Microbial Ecology*. DOI: 10.1007/s00248-007-9306-2
30. Pusceddu A; Gambi C; Manini E; Danovaro R. 2007. Trophic state, ecosystem efficiency and biodiversity of transitional aquatic ecosystems: analysis of environmental quality based on different benthic indicators. *Chemistry and Ecology*. DOI: 10.1080/02757540701760494
31. Manini E., Danovaro R. 2006. Synoptic determination of living/dead and active/dormant bacterial fractions in marine sediments. *FEMS microbiology ecology*. DOI: 10.1111/j.1574-6941.2005.00042.x
32. Danovaro R., Armeni M., Luna G.M., Corinaldesi C., Dell'Anno A., Ferrari C.R., Fiordelmondo C., Gambi C., Gismondi M., Manini E., Mecozzi M., Perrone F.M., Pusceddu A., Giani M. 2005. Exo-enzymatic activities and dissolved organic pools in relation with mucilage development in the Northern Adriatic Sea. *The Science of the Total Environment*
33. Manini E.; Luna G.M.; Danovaro R. 2004. Benthic bacterial response to variable estuarine water inputs. *FEMS Microbiology Ecology*. DOI: 10.1016/j.femsec.2004.06.011

34. Pusceddu A., Dell'Anno A., Danovaro R., Manini E., Sarà G., Fabiano M. 2003. Enzymatically hydrolyzable protein and carbohydrate sedimentary pools as indicators of the trophic state of detritus sink system: a case study in a Mediterranean Coastal lagoon. *Estuaries*. DOI: 10.1007/BF02711976
35. Gambi C., Totti C., Manini E. 2003. Impact of organic loads and environmental gradients on microphytobenthos and meiofaunal distribution in a coastal lagoon. *Chemistry and Ecology*. DOI: 10.1080/0275754031000119951
36. Manini E., Luna G.M. 2003. Influence of the mineralogical composition on microbial activities in marine sediments: an experimental approach. *Chemistry and Ecology*. DOI: 10.1080/02757540310001595899
37. Manini E., Fiordelmondo C., Gambi C., Pusceddu A., Danovaro R. 2003. Benthic microbial loop functioning in coastal lagoons: a comparative approach. *Oceanologica acta*. DOI: 10.1016/S0399-1784(02)01227-6
38. Fiordelmondo C., Manini E., Gambi C., Pusceddu A. 2003. Short-term of clam harvesting on sediment chemistry, benthic microbes and meiofauna in the Goro Lagoon (Italy). *Chemistry and Ecology*. DOI: 10.1080/0275754031000119924
39. Danovaro R., Manini E., Dell'Anno A. 2002: Higher abundance of bacteria than viruses in deep Mediterranean sediments. *Applied and environmental microbiology*. DOI: 10.1128/AEM.68.3.1468-1472.2002
40. Luna G.M., Manini E., Danovaro R. 2002. Large fraction of dead and inactive bacteria in coastal marine sediments: comparison of protocols for determination and ecological significance. *Applied and environmental microbiology* DOI: 10.1128/AEM.68.7.3509-3513.2002
41. Danovaro R., Manini E., Fabiano M. 2002. Exoenzymatic activity and organic matter composition in sediments of the Northern Adriatic Sea: Response to a river plume. *Microbial Ecology*. DOI: 10.1007/s00248-002-1023-2
42. Manini E., Danovaro R., Fabiano M. 2002. Benthic-pelagic coupling in frontal system areas of the Northern Adriatic Sea: Analysis of the carbon budgets. *Chemistry and Ecology*. DOI: 10.1080/02757540212682
43. R. Danovaro, M. Armeni, A. Dell Anno, M. Fabiano, E. Manini, D. Marrale, A. Pusceddu, S. Vanucci. 2001. Small-Scale Distribution of Bacteria, Enzymatic Activities, and Organic Matter in Coastal Sediments. *Microbial Ecology*. DOI: 10.1007/s002480000109
44. Manini E., Fabiano M., Danovaro R. 2000. Benthic Response to Mucilaginous Aggregates in the Northern Adriatic Sea: Biochemical Indicators of Eutrophication. *Chemistry and Ecology*. DOI: 10.1080/02757540008037671
45. Danovaro R., Gambi C., Manini E., Fabiano M. 2000. Meiofauna response to a dynamic river plume front. *Marine Biology*. DOI: 10.1007/s002270000353

46. Migani P. Fiorini R., Ferretti E., Manini E., Chimichi S., Monetti G. 1997. Role of guanine nucleotides as endogenous ligands of a kainic acid binding site population in the mammalian cerebellum. *Journal of Neurochemistry*. DOI: 10.1046/j.1471-4159.1997.68041648.x

- **NON ISI LISTED PUBLICATIONS**

1) Validazione dell'Indice Macrobentonico BITS in due lagune Adriatiche: Goro e Lesina

Autori: C Munari, M Mistri, E Manini, A Pusceddu, R Danovaro

Anno pubblicazione: 2008

Rivista: *Biologia Marina Mediterranea*

ISSN Rivista: 1123-4245

Ruolo svolto: Coautore alla pari

Numero citazioni: 1

Fonte citazioni: Google Scholar

Descrizione contenuto: The BITS index, a benthic index based on taxonomic sufficiency, was calculated at 4 sites in the Sacca di Goro and in the Lesina Lagoon (Adriatic Sea) and compared with sediment and water parameters.

2) The Lagoon of Lesina (Puglia region, Italy)

Autori: Manini E; Breber P; D'Adamo R; Spagnoli F; Danovaro R

Anno pubblicazione: 2005

Rivista: *LOICZ reports & studies*

Attiva dal: 1995

Editore: LOICZ International Project, Netherlands Institute for Sea Research - Geesthacht

ISSN Rivista: 1383-4304

Ruolo svolto: Autore principale, Primo autore, Corresponding author

Numero citazioni: 12

Fonte citazioni: Google Scholar

Descrizione contenuto: The key objectives of the Land-Ocean Interactions in the Coastal Zone (LOICZ) are to: gain a better understanding of the global cycles of the key nutrient elements carbon (C), nitrogen (N) and phosphorus (P) in Lesina lagoon; understand how Lesina lagoon affects material fluxes through biogeochemical processes; characterize the relationship of these fluxes to environmental change, including human intervention

3) The Lagoon of Varano (Puglia region, Italy)

Autori: Manini E, Breber P, D'Adamo R, Spagnoli F, Danovaro R

Anno pubblicazione: 2005

Rivista: *LOICZ reports & studies*

Attiva dal: 1995

Editore: LOICZ International Project, Netherlands Institute for Sea Research - Geesthacht

ISSN Rivista: 1383-4304

Ruolo svolto: Autore principale, Primo autore, Corresponding author

Numero citazioni: 2

Fonte citazioni: Google Scholar

Descrizione contenuto: The key objectives of the Land-Ocean Interactions in the Coastal Zone (LOICZ) are to: gain a better understanding of the global cycles of the key nutrient elements carbon (C), nitrogen (N) and phosphorus (P) in Varano lagoon; understand how Varano lagoon affects

material fluxes through biogeochemical processes; characterize the relationship of these fluxes to environmental change, including human intervention

4) First data on cellulolytic enzyme activity in polychaete borers associated to *Posidina oceanica* sheaths

Autori: Cigliano M., Manini E., Gambi M.C.

Anno pubblicazione: 2003

Rivista: *Biologia Marina Mediterranea*

ISSN Rivista: 1123-4245

Ruolo svolto: Coautore alla pari

Numero citazioni: 4

Fonte citazioni: Google Scholar

Descrizione contenuto: The activity of the enzymes B-1,4 Glucanase and B-Glucosidase was tested for two species of polychaetes, *Lysidice ninetta* and *L. collaris*, borers of the sheaths of *Posidonia oceanica*.

5) Impact of clam fishing on microbial loop and meiofauna in the Sacca di Goro (Ferrara, Italy).

Autori: C Fiordelmondo, A Pusceddu, E Manini, C Gambi, R Danovaro

Anno pubblicazione: 2003

Rivista: *Biologia Marina Mediterranea*

ISSN Rivista: 1123-4245

Ruolo svolto: Coautore alla pari

Numero citazioni: 0

Fonte citazioni: Google Scholar

6) Meiobenthic grazing rate on bacteria and microphytobenthos in the northern Adriatic Sea: preliminary results

Autori: Manini E., Gambi C., Danovaro R., Fabiano M.

Anno pubblicazione: 2000

Rivista: *Biologia Marina Mediterranea*

ISSN Rivista: 1123-4245

Ruolo svolto: Autore principale, Primo autore

Numero citazioni: 4

Fonte citazioni: Google Scholar

Descrizione contenuto: Meiofaunal grazing rates on bacteria and microphytobenthos were measured in June 1997 and February 1998, in a coastal area of north-western Adriatic Sea characterised by the frontal system due to the Po river plume.

7) Early diagenesis of sedimentary organic matter and bacterial response in a frontal system of the Adriatic Sea: preliminary results

Autori: Manini E., Danovaro R., Fabiano M.

Anno pubblicazione: 1999

Rivista: *Atti della Associazione Italiana di Oceanologia e Limnologia*

ISSN Rivista: 1129-5589

Ruolo svolto: Autore principale, Primo autore

Descrizione contenuto: The biochemical composition of sedimentary organic matter (lipids, proteins, carbohydrates, nucleic acids and photosynthetic pigments) and the bacterial parameters (density,

biomass, secondary production and eso-enzymatic activity) were studied in June 1996 and February 1997 in two areas of the northern Adriatic differently influenced by the Po river plume.

8) Biochemical composition of sedimentary organic matter and bacterial dynamics in sandy and seagrass sediments of the NW Mediterranean.

Autori: Manini E., Danovaro R., Pusceddu A., Fabiano M.

Anno pubblicazione: 1996

Rivista: Atti della Associazione Italiana di Oceanologia e Limnologia

ISSN Rivista: 1129-5589

Ruolo svolto: Primo autore

Descrizione contenuto: The elemental and biochemical composition of sedimentary organic matter in relation to the bacterial dynamics were studied, during a year cycle, in two stations of the Ligurian Sea characterized by different trophic and hydrological conditions: Zoagli (sandy sediments, 10 m depth) and Prelo (*Posidonia oceanica* meadow, 4 m depth). The TWINSpan applied to the sedimentary parameters pointed out that the two stations primarily differed in terms of biopolymeric carbon content, discriminating the main biological and physical processes occurring in the study areas.

9) Short-term changes in the biochemical composition of particulate organic matter in a Mediterranean shallow sound (western Sicily).

Autori: Pusceddu A., Sarà G., Manini E., Puccia E.

Anno pubblicazione: 1996

Rivista: Atti della Associazione Italiana di Oceanologia e Limnologia

ISSN Rivista: 1129-5589

Ruolo svolto: Coautore alla pari

Fonte citazioni: Google Scholar

Descrizione contenuto: Water samples were collected in the Stagnone di Marsala Sound (Western Sicily) in two stations on January, April, July and November 1994. Samples were collected every four hours and covered an entire daily cycle. The study site appears as a "pulsing" ecosystem in which short-term fluctuations of the main environmental variables may drastically change the physical scenery of the whole basin.

• - BOOKS

1) Methods for the Study of Deep-Sea Sediments, Their Functioning and Biodiversity

Editore: R. Danovaro - Francis and Taylor group

Co-autore: E. Manini di 7 capitoli (12 - Prokaryotic Abundance; 13 - Fluorescence In Situ Hybridization and Catalyzed Reporter Deposition for Benthic Prokaryote Assemblage Structure ; 30 - Degradation and Turnover of Organic Matter in Marine Sediments, 34 - Determination of Living/Dead and Active/Dormant Bacterial Fractions in Marine Sediments; 35 - Prokaryotic Biomass in Marine Sediments, 36 - Benthic Prokaryotic Heterotrophic Production Using the Leucine Incorporation Method, 41 - Meiobenthic Predation on Prokaryotes)

Anno pubblicazione: 2010

Codice identificativo (ISBN): 978-1-4398-1137-5

2) Metodologie di studio del plancton marino

Edito da G. Socal, I. Buttino, M. Cabrini, O. Mangoni, A. Penna, C. Totti - ISPRA
Capitolo: 13 - Metodi per lo studio della biomassa del batterio plancton mediante conteggio su piastra, microscopia ad epifluorescenza e quantificazione lipopolisaccaridica (pag 131-148).
Co-Autore alla pari: La Ferla R., Maimone E., Manini E., Zacccone R., Zoppini A.
Anno pubblicazione: 2010
Codice identificativo (ISBN): 978-88-448-0427-5

3) Mediterranean Ecosystems: Structures and Processes

Edito: Faranda F.M., Guglielmo L., Spezie G. eds. - Springer-Verlag Italy
Capitolo: 57 - Distribution and biochemical composition of suspended and sedimentary organic matter in the northern Adriatic (pag. 447-454)
Autori: Fabiano M., Misic C., Manini E., Chiatti S., Povero P., Danovaro R.
Anno pubblicazione: 2001
Codice identificativo (ISBN): 978-88-470-2162-4
DOI: 10.1007/978-88-470-2105-1_57