



XXVII Congresso A.I.O.L.
26 - 30 giugno 2023, Napoli

Noi siamo acqua

Conoscere gli ecosistemi acquatici per riconnettersi alla natura

PROGRAMMA

Lunedì 26 giugno 2023 (Sala Polifunzionale Museo Darwin Dohrn, Villa Comunale)

13:00-14:45. RegISTRAZIONI e visita al Darwin Dohrn Museum.

14:45-15:00. Apertura del congresso e saluti istituzionali.

15:00-18:00. Sessione tematica *Environmental and resource management at the land-sea interface* (Domenico D'Alelio, Vincenzo Saggiomo). Parte I: Innovazione, sviluppo e sostenibilità nel settore della pesca e dell'acquacoltura per la Regione Campania.

15:15-15:30. Vincenzo Saggiomo. *Il progetto FEAMP-IISPA.*

15:30-16:15. Relazione plenaria a invito di Giovanna Marino, Dirigente di ricerca ISPRA. *A step by step approach to identify Allocated Zone for Aquaculture (AZA) in marine waters: the case study of Campania region (Italy).*

16:15-16:30. Alberto Colletti, Antonia Chiarore, Sara de Benedictis, Simone Farina, Laura Tamburello, Chiara Silvestrini, Erika FabbriZZi, Giulio Franzitta, Francesco Terlizzi, Simone Musumeci, Roberto Gallia, Beatrice Savinelli, Simonetta Frascchetti. *Effectiveness of protection in the Marine Protection Areas of the Campania Region.*

16:30-16:45. Erika FabbriZZi*, Salvatore Valente, Francesco Colloca, Simonetta Frascchetti. *How can we protect 30% of oceans by 2030? Insights from the Campania Region case study.*

16:45-17:00. Giacomo Milisenda, Marco Barra, Pietro Battaglia, Antonio Di Cintio, Alberto Colletti, Antonio Di Franco, Simonetta Frascchetti, Paolo Giarletta, Teresa Romeo, Chiara Silvestrini, Anna Nora Tassetti, Serena Zampardi, Francesco Colloca. *The exploitation of marine resources in Campania: current trends and strategies for long-term ecological sustainability.*

17:00-17:15. Louise Merquiol, Maria Grazia Mazzocchi, Isabella D'Ambra. *The planktonic food web in the Gulf of Naples: buffering natural variability in a dynamic coastal system.*

17:15-17:30. Daniele Bellardini*, Luca Russo, Viviana Di Tuccio, Pasquale De Luca, Daniele De Luca, Gabriele Del Gaizo, Gianpaolo Zampicinini, NEREA Team, Paolo Vassallo, Domenico D'Alelio. *Plankton and fish community changes investigated by environmental DNA metabarcoding at spatio-temporal scales along the Campania coast (Italy).*

17:30-17:45. Graziella Orso, Gianluca Rinaldi, Giuseppina Forgiione, Roberta Imperatore, Marina Paolucci. *Monitoring of the fish fauna health state of Campania region rivers.*

17:45-18:00. Vincenzo Donnarumma*, Federica Laface, Francesca De Domenico, Teresa Romeo, Raffaella Casotti. *Microplastic concentrations and attached microbial communities as water quality indicators for potential aquaculture sites.*

18:00-18:15. Pausa caffè e sessione poster:

Viviana Di Tuccio*, Luca Russo, Gabriele Del Gaizo, Daniele Bellardini, Daniele De Luca, Gianpaolo Zampicinini, Francesca Margiotta, Pasquale De Luca, Domenico D'Alelio, Maria Saggiomo, the NEREA team. *Environmental DNA as a tracer of river input along the Campania coast.*

Andrea Li Vorsi, Massimiliano Bottaro, Maria Rita Amico, Manfredi Madia, Eric Díaz-Delgado, Michele Gristina, Lorenzo Minoia, Ilaria Di Lauro, Mauro Sinopoli. *Mediterranean MPAs: threat, or opportunity for elasmobranch conservation? Preliminary results on a vulnerable species for the Egadi islands.*

Enrica Picariello, Maria Antonietta Nitopi, Flavia De Nicola, Alessandro Bellino, Daniela Baldantoni. *Polycyclic aromatic hydrocarbons in marine macrophytes from the Cilento coast.*

Vincenzo Baldi, Alessandro Bellino, Alfonso Romano, Daniela Baldantoni. *An information base on the ecology of Posidonia oceanica supporting restoration strategies.*

18:15-19:15. Sessione tematica "Aquatic science communication" (Signore, D'Alelio).

18:15-18:30. Marco Signore, Ludovico Solima, Caterina Martucci, Viola Nicolucci, Fabio De Felice, Salvo Fallica, Davide Vecchio, Antonella Lugliè, Nicolò Ceccarelli, Antonio Novellino, Maria Oddo. *CulturGame: il gioco per comunicare le scienze delle acque.*

18:30-18:45. Antonella Lugliè, Silvia Pulina, Cecilia Teodora Satta, Nada Beretic, Nicolò Ceccarelli, Stefania Bagella, Sonia Merlo, Marika Montalto, Viola Nicolucci, Antonio Novellino, Maria Oddo. *Can we make phytoplankton known to a non-specialized audience through game-based experiences? The opportunities with the CulturGame project*

18:30-19:15. Discussione generale sulla comunicazione delle scienze acquatiche. Modera Claudia Gili, Direttore del Dipartimento di Conservazione Animale e Public Engagement della Stazione Zoologica Anton Dohrn.

19:15-20:00. Aperitivo di benvenuto.

Martedì 27 giugno 2023 (Aula Magna Università Parthenope, via Acton 38)

9:00-9:15. Saluti istituzionali.

9:15-13:00. Sessione tematica "Physical and biogeochemical processes in marine and freshwater environments: observational and modelling approaches" (Daniela Cianelli, Paola de Ruggiero, Andrea Fenocchi, Enrico Zambianchi). Parte I.

9:15-10:00. Relazione plenaria a invito di Angelo Rubino, Professore Ordinario di Oceanografia e Fisica dell'Atmosfera, Università Ca' Foscari, Venezia. *Aspects of intrinsic and remotely induced variability in the Mediterranean Sea.*

10:00-10:15. Paola de Ruggiero, Luigi Gifuni, Enrico Zambianchi, Stefano Pierini. *The Campania Regional sigma-coordinate Ocean Model (CROM): A marine circulation model for the study of coastal dynamics, water monitoring and pollutant transport.*

10:15-10:30. Florian Kokoszka, Simona Saviano, Vincenzo Botte, Daniele Iudicone, Enrico Zambianchi, Daniela Cianelli. *Gulf of Naples advanced model (GNAM), a multiannual comparison with coastal HF radar data, and hydrological measurements in a coastal Tyrrhenian basin.*

10:30-10:45. Vincenzo Capozzi, Armando Rocco, Clizia Annella, Viviana Cretella, Giannetta Fusco, Giorgio Budillon. *Recent trend and variability of extreme precipitation indices in the Campania Region (Southern Italy), 2002-2021.*

10:45-11:00. Laura Fortunato*, Yuri Cotroneo, Vincenzo Capozzi, Paola De Ruggiero, Luigi Gifuni, Diana Di Luccio, Mauro Esposito, Lucio De Maio, Dario Monaco, Carmen Ventimiglia, Raffaele Montella. *Analysis of meteorological and oceanographic variability in the Gulf of Pozzuoli influencing the levels of PAHs in farmed mussels.*

11:00-11:30. Pausa caffè e sessione poster:

Luigi Gifuni, Paola de Ruggiero, Daniela Cianelli, Stefano Pierini, Enrico Zambianchi. *Numerical investigation of the three-dimensional paths of plastic polymers in the Gulf of Naples.*

Giuseppe Mariano Trainiti*. *Analysis of oil spills and dispersion at sea caused by different damage scenarios on the double hull oil tanker.*

Gennaro Mellone*, Ciro Giuseppe De Vita, Diana Di Luccio, Giorgio Smaldone, Maurizio Della Rotonda, Francesca Barchiesi, Paolo Sarnelli, Enrico Zambianchi, Angelo Ciaramella, Raffaele Montella. *Using artificial intelligence for water quality predictions.*

Gianluca Liguori, Lorenzo Ciannelli, Daniela Cianelli, Ylenia Carotenuto, Giorgio Dall'Olmo. *Ichthyoplankton assemblages and early life stages dispersal in the south central Tyrrhenian Sea.*

11:30-13:00. Sessione tematica “Physical and biogeochemical processes in marine and freshwater environments: observational and modelling approaches” (Daniela Cianelli, Paola de Ruggiero, Andrea Fenocchi, Enrico Zambianchi). Parte II.

11:30-11:45. Andrea Pedroncini, Luca Dutto, Michele Buffo. *Analisi del bilancio idrologico del sistema Lago di Fogliano – Lago dei Monaci e definizione di strategie di riduzione dei fenomeni di eutrofizzazione e salinizzazione (Progetto LIFE “Rewetland”).*

11:45-12:00. Jorge Sánchez, Andrés Alonso-Martirena, Chad Whelan, Laura Pederson. *CODAR HF Radar networks in Europe for monitoring ocean currents and waves: current status and future perspectives.*

12:00-12:15. Simona Saviano, Anastasia Angela Biancardi, Florian Kokoszka, Marco Uttieri, Enrico Zambianchi, Luis Alberto Cusati, Andrea Pedroncini, Daniela Cianelli. *HF radar wind direction: multiannual analysis using model and HF network.*

12:15-12:30. Alessio Colella*, Paola De Ruggiero, Stefano Pierini. *The Parthenope University Southern Ocean model (PARSO): a modeling tool to study the intrinsic variability of the Antarctic Circumpolar Current.*

12:30-12:45. Vincenzo Manna, Cecilia Balestra, Marco Basili, Antonio Dell'Anno, Marco Lo Martire, Grazia Marina Quero, Maria Saggiomo, Diana Sarno, Mauro Celussi, Gian Marco Luna. *Shifts in microbially mediated organic matter utilization patterns in relation to sea ice dynamics in a coastal area of the Ross Sea.*

12:45-13:00. Mauro Celussi, Elisa Banchi, Paola Del Negro, Viviana Fonti, Vincenzo Manna, Pasquale Castagno, Giorgio Budillon, Marco Basili, Grazia Marina Quero, Gian Marco Luna. *High dissolved inorganic carbon uptake by Bacteria and Archaea in the deep water masses of the Ross Sea.*

13:00-13:15. Antonio Longo, B. Barosa, A. Cordone, D. Corso, Bruno Hay Mele, Daniele Iudicone, Donato Giovannelli. *Global carbonic anhydrase diversity and distribution across diverse ecosystems.*

13:15-14:30. Pausa pranzo.

14:30-16:30. Sessione tematica "Ecosystem services across the aquatic continuum" (Michela Rogora, Luca Russo, Monica Tolotti)

14:30-14:45. Domenico D'Alelio, Luca Russo, Bruno Hay Mele, Francesco Pomati. *Intersecting ecosystem services across the aquatic continuum: from global change impacts to local, and biologically driven, synergies and trade-offs.*

14:45-15:00. Michela Rogora, Martina Austoni, Monica Beltrami, Marzia Ciampittiello, Claudia Dresti, Paola Giacomotti, Lyudmila Kamburska, Andrea Lami, Dario Manca, Marina Manca, Arianna Orrù, Roberta Piscia, Helmi Saidi, Gabriele Tartari. *Extreme events affecting aquatic water quality and ecosystem services: a case study from Lake Maggiore, North-Western Italy.*

15:00-15:15. Monica Tolotti, Brighenti Stefano, Maria Cristina Bruno. *Water resources influenced by mountain permafrost: potentials, services, and future challenges.*

15:15-15:30. Alfredo Maule, Francesca Bearzot, Stefano Brighenti, Maria Cristina Bruno, Francesco Comiti, Leonardo Cerasino, Maria Vittoria Tenci, Giulio Voto, Monica Tolotti. *Diatom diversity and abundance in Alpine headwater of different origin: differences and possible future trends.*

15:30-15:45. Maria Chiara Vulcano*, Martin J. Kainz, Leopold Füreder, Georg H. Niedrist. *Fatty acids characterization of periphyton and invertebrates in alpine glacial stream ecosystems.*

15:45-16:00. Stefano Tasselli*, Michela Rogora, Arianna Orrù, Licia Guzzella *Behavior of Synthetic Musks fragrances in freshwaters: occurrence, relations with environmental parameters and preliminary risk assessment.*

16:00-16:15. Fabio Tarena*, Claudio Comoglio, Alessandro Candioto, Daniel Nyqvist. *Artificial light at night affects fish passage rates in two small-sized cyprinids.*

16:15-17:00. Pausa caffè e sessione poster:

Giulia Cesarini, Michela Rogora, S. Zaupa, E. Dumnicka, R. Fornaroli, A. Boggero. *Life MODERn (NEC) beyond atmospheric pollution: macroinvertebrates and R tools.*

Diego Copetti, Stefania Erba. *Two decades of research supporting the European Water Framework Directive (WFD): a bibliometric analysis and critical review-based assessment.*

Cristina Pittalis*, Bachisio Mario Padedda, Antonella Lugliè, Silvia Pulina, Cecilia Teodora Satta. *Exploring the morphological variability of a bloom-forming Anabaenopsis from a Mediterranean lagoon using field and cultured materials.*

Chiara Magnabosco*, Federica Di Costanzo, Adriana Zingone, Valeria Di Dato, Pasquale De Luca, Diana Sarno, Giovanna Romano. *Droplet digital PCR to assess the occurrence and infer the role of prostaglandin in natural diatom assemblage in the Ionian coastal waters (PRODIA).*

16:30-17:00. Riunione del consiglio direttivo AIOL (evento parallelo).

17:00-18:00. Assemblea dei soci (evento plenario).

Mercoledì 28 giugno 2023 (Aula "Lorenzo Mangoni", Università Federico II, via Cinthia 26)

8:00-9:00. Trasferimento con autobus riservato dal centro città (Villa Comunale di Napoli) al Complesso Universitario di Monte Sant'Angelo dell'Università degli Studi di Napoli Federico II.

9:15-9:30. Saluti istituzionali.

9:30-13:30. Sessione tematica "National Biodiversity Future Center to reverse the biodiversity loss across the Italian ecosystems: from the deep sea to the upper mountains" (Simonetta Fraschetti, Olga Mangoni, Gianluca Sarà). Parte I.

9:30-10:15. Relazione plenaria a invito di Isabella Saggio, Professore Associato di Genetica e Biologia Molecolare, Sapienza Università di Roma. *In and out. Biodiversity and society dedicated activities of the National Biodiversity Future Center.*

10:15-10:30. Simonetta Fraschetti, Gianluca Sarà. *The National Biodiversity Future Center to reverse marine biodiversity loss across the Italian ecosystems.*

10:30-10:45. Gian Marco Luna, Mariachiara Chiantore. *Solutions to reverse marine biodiversity loss and manage marine resources sustainably.*

10:45-11:00. Federica Foglini, Valentina Grande, Mariacristina Prampolini, Francesca Ape, Giorgio Castellan, Iliaria Conese, Annamaria Correggiari, Giacomo Della Valle, Gabriella Di Martino, Sara Innangi, Alessandro Remia, Antonio Petrizzo, Simonetta Fraschetti. *A Spatial Marine Data Infrastructure (SMDI) for the National (Marine) Biodiversity Observatory System: Collection and integration of biodiversity data and values, environmental variables, and human pressures.*

11:00-11:30. Pausa caffè e sessione poster:

Sara Vettorazzo, Adriano Boscaini, Maria Cristina Bruno, Leonardo Cerasino, Ulrike Obertegger, Monica Tolotti, Nico Salmaso. *Biodiversity of Alpine ecosystems in a changing world (BIOALPEC): the focus on Alpine inland water ecosystems.*

Adriano Boscaini, Cristina Cappelletti, Francesca Ciutti, Nico Salmaso.
Barcoding of non-indigenous bivalve mollusks in the BIOALPEC Project (NBFC, PNRR)

Martina Austoni, Mariano Bresciani, Mara Stefanelli. *First identification of *Raphidiopsis raciborskii* during a heatwave in Lake Comabbio (Northern Italy).*

11:30-13:30. Sessione tematica *National Biodiversity Future Center to reverse the biodiversity loss across the Italian ecosystems: from the deep sea to the upper mountains* (Simonetta Frascchetti, Olga Mangoni, Gianluca Sarà). Parte II.

11:30-11:45. Silvia Bianchelli, Mariachiara Chiantore, Valentina Asnagli, Gianni Brundu, Stefano Carboni, Carlo Cerrano, Emanuela Fanelli, Giovanni Fanelli, Cristina Gambi, Emanuela Claudia La Marca, Simone Mirto, Luigi Musco, Fabio Rindi, Roberto Danovaro.
Marine Ecosystem Restoration (MARES): approaches and challenges to reverse the biodiversity loss across the Italian seas.

11:45-12:00. Laura Airoidi, Lorian Ballarin, Alberto Barausse, Filippo Campagnaro, Davide De Battisti, Emanuela De Lisa, Cristiano De Pittà, Giorgio Maria Di Nunzio, Filippo Drigo, Riccardo Frizzo, Irene Gregori, Lucia Manni, Francesco Martino, Isabella Moro, Marco Marani, Luca Palmeri, Chiara Papetti, Tomaso Patarnello, Umberto Rosani, Luca Schiavon, Paola Venier, Alessandro Vezzi, Lorenzo Zane, Michele Zorzi. *Integrating multidisciplinary approaches to monitor changes in wetland ecosystems in Venice Lagoon.*

12:00-12:15. Francesca Carella. *Approaching mass mortality events of invertebrates in the marine environment: What do we really know?*

12:15-12:30. Francesco Bolinesi, Mariella Saggiomo, Olga Mangoni. *Phytoplankton photosynthetic pigments as a functional trait allowing the study of community dynamics in the frame of local human forcing and global climate change.*

12:30-12:45. Luigi Vezzulli. *Continuous Plankton Recorder in the omics era: from marine microbiome to global ocean observations.*

12:45-13:00. Germana Esposito, Teresa De Rosa, Massimiliano Lega, Roberta Teta, Valeria Costantino. *A Multidisciplinary Strategy For Cyanobacterial Bloom Detection And Analysis*

13:00-13:15. Concetta Lauro*, Marzia Calvanese, Angelica Severino, Ermenegilda Parrilli, Maria Luisa Tutino. *Toward the exploitation of the Antarctic bacterium *Pseudoalteromonas haloplanktis* TAC125 as a model to study the iron effects in seawater.*

13:15-13:30. Stefano Varrella, Silvia Livi, Luca Castriota, Teresa Maggio, Sebastiano Fava, Anna Salvatori, Agnese Fumanti, Pietro Vivona, Cinzia Corinaldesi, Antonio Dell'Anno. *Identification of non-indigenous species through eDNA metabarcoding in marine ecosystems.*

13.30-14.30. Pausa pranzo.

14:30-15:00. Raduno e partenza in autobus riservato per partecipare alla gita e all'apericena sociale presso il Lago d'Averno (Napoli, Bacoli).

15:00-22:00. Gita e apericena sociale.

22:00-23:00. Trasferimento in autobus riservato al centro città.

Giovedì 29 giugno 2023 (Aula Magna Università Parthenope, via Acton 38)

9:00-12:30 Sessione tematica "Advancing ecological research: from the LTER experience to innovative approaches to the study of aquatic ecosystems" (Diego Copetti, Francesca Margiotta). Parte I.

9:00-9:45. Relazione plenaria a invito di Daniele Iudicone, Primo Ricercatore, Stazione Zoologica Anton Dohrn. *Understanding the structure and functioning of oceans' microbiomes: toward a holistic view.*

9:45-10:00. Diana Sarno, Iole Di Capua, Wiebe H. C. F. Kooistra, Maria Grazia Mazzocchi, Marina Montresor, Isabella Percopo, Roberta Piredda, Nicolas Romillac, Gianpaolo Zampicinini, Adriana Zingone. *Integrating metabarcoding in plankton research at LTER-MC: what have we learned?*

10:00-10:15. Maira Maselli*, Francesca Margiotta, Ulisse Cardini. *Use of Membrane Inlet Mass Spectrometry in marine ecological research. What gases can tell us about biological processes in the ocean, an example from Naples Ecological Research Augmented Observatory (NEREA)*

10:15-10:30. Viviana Fonti, Elisa Banchi, Vincenzo Manna, Andrea Di Cesare, Paola Del Negro, Mauro Celussi. *Microbial pollutants and antimicrobial resistance in coastal marine waters in the N-Adriatic Sea.*

10:30-10:45. Francesca Neri*, Angela Garzia, Tiziana Romagnoli, Stefano Accoroni, Francesco Memmola, Marika Ubaldi, Alessandro Coluccelli, Pierpaolo Falco, Cecilia Totti. *Marine heatwaves in the Northern Adriatic Sea: which are the effects on the phytoplankton communities?*

10:45-11:00. Nicolas Romillac, Maria Abagnale, Florian Kokoszka, Augusto Passarelli, Vincenzo Saggiomo, Maurizio Ribera d'Alcalà, Francesca Margiotta. *Interplay between anthropogenic pressures and climate change in driving nutrient and phytoplankton biomass in the Gulf of Naples.*

11:00-11:15. Luca Russo*, Daniele Bellardini, Deborah K. Steinberg, Roberta Congestri, Michael W. Lomas, Domenico D'Alelio. *Long-term oscillations in the normalized biomass-size spectrum reveal the impact of ocean warming on plankton trophic structure in the North Atlantic Subtropical Gyre.*

11:15-12:00. Pausa caffè e sessione poster:

Florian Kokoszka, Francesca Margiotta, Maurizio Ribera d'Alcalá, Daniele Iudicone. *The historical temperature and salinity time series augmented with microstructure profiles: what can we learn from short-term turbulence observations to inform the long-term analyses.*

Nicolas Romillac, GianPaolo Zampicinini, Adriana Zingone, Diana Sarno. *Cryptic species ecology revealed by metabarcoding.*

Fabiana Luise, Roberta Piredda, Iole Di Capua. *Multi-omics approaches for analyzing metazoan community in the Gulf of Naples - the NEREA project.*

Marta Furia*, Maria Abagnale, Raffaella Casotti, Giovanni Checcucci, Mirco Guerrazzi, Marco Pansera, Chiara Santinelli, Anna Chiara Trano, Francesca Margiotta. *Organic carbon dynamics in different environments of the Gulf of Naples (NEREA observatory).*

Michela Rogora, Angela Boggero, Giulia Cesarini, Riccardo Fornaroli, Aldo Marchetto, Simona Musazzi, Gabriele Tartari, Silvia Zaupa. *High mountain lakes facing global change: insights from long-term studies in the Western Alps.*

12:00-13:30. Sessione tematica "Advancing ecological research: from the LTER experience to innovative approaches to the study of aquatic ecosystems" (Diego Copetti, Francesca Margiotta). Parte II.

12:00-12:15. Alessandra Pugnetti, Fabrizio Bernardi Aubry, Stefania Finotto. *A fifty years' bibliographic review of phytoplankton studies in the lagoon of Venice.*

12:15-12:30. Diego Copetti, Claudia Dresti, Andrea Fenocchi, Fabio Buzzi. *Long-term monitoring of Lake Como ecosystem: past, present, and future perspectives.*

12:30-12:45. Edoardo Cavallini*, Pier Viaroli, D. Nizzoli. *Seasonal and hydrological patterns influence the long-term trends of nutrient loads of the Po River.*

12:45-13:00. Francesca Vallefucoco*, Magdalena Vanek, Alberto Scotti, Ulrike Tappeiner, Roberta Bottarin. *Assessment of stream macroinvertebrates community during the glacial melt season: Evidence from long-term monitoring of the glacier-fed Saldur stream.*

13:00-13:15. Andrea Fenocchi, Fabio Buzzi, Claudia Dresti, Diego Copetti. *Using ecohydrological regionalization to estimate long-term series of total nutrient loads flowing into Lake Como from institutional discrete monitoring data.*

13:15-13:30. Nico Salmaso, Renate Alber, Adriano Boscaini, Camilla Capelli, Tina Elersek, Giorgio Franzini, Federica Giacomazzi, Aleksandra Krivograd Klemenčič, Samuel Vorhauser, Chiara Zampieri, Leonardo Cerasino. *Assessing the toxigenic potential of cyanobacteria in the Alpine region by combining high-throughput sequencing and metabolomic profiling.*

13:30-14:30. Pausa pranzo.

14:30-16:00. Sessione tematica "Eco-geohydrology of groundwater and groundwater-dependent ecosystems" (Daniela Baldantoni, Alessandro Bellino).

14:30-15:15. Relazione plenaria a invito di Fabio Stoch, Université Libre de Bruxelles, Belgium. *Groundwater ecology, ecohydrology and speleogenomics: towards a holistic approach in groundwater conservation.*

15:15-15:30. Alessandro Bellino, Daniela Baldantoni. *Plant-mediated coupling between karst hydrogeology and element dynamics in groundwater.*

15:30-15:45. Mattia Di Cicco*, Tiziana Di Lorenzo, Barbara Fiasca, Emma Galmarini, Ilaria Vaccarelli, Francesco Cerasoli, Agostina Tabilio Di Camillo, Diana Maria Paola Galassi. *Surviving in a changing world: thermal tolerance of the groundwater amphipod species Niphargus longicaudatus (Costa, 1851).*

15:45-16:00. Francesco Cerasoli, Emma Galmarini, Barbara Fiasca, Diana Maria Paola Galassi. *Close yet not so similar, distant yet not so different: regional climate contributes more than geographical distance in explaining diversity.*

16:00-16:15. Agostina Tabilio Di Camillo*, Leonardo Piccini, Diana Maria Paola Galassi, Maria Mirabela Pop, Sanda Iepure, Tiziana Di Lorenzo. *Stygobitic copepods in the face of climate change: insights from Moraria sp. in Corchia Cave.*

16:15-17:00. Pausa caffè e sessione poster:

Laura Sforzi*, Agostina Tabilio, Tiziana Di Lorenzo, Valentina Balestra, David Chelazzi, Samuele Ciattini, Tania Martellini, Alessandra Cincinelli. *Characterization of (micro-)plastics in groundwaters bodies: insights from Italian aquifers.*

Serena Benedetta Cabigliera*, Tiziana Di Lorenzo, Tania Martellini, David Chelazzi, Marco Laurati, Diana M. P. Galassi, Alessandra Cincinelli. *Ingestion of microplastics and textile cellulose particles and fibers by meiofaunal taxa of an urban stream.*

Carlotta Santolini*, Rosa Zullo, Rosaria Lauceri, Simona Musazzi, Martina Austoni, Maria Oliviero, Luigi Sorrentino, Alberto Zullo, Jassica Lawrence, Roberta Bettinetti. *Blueat: a solution to manage the alien species.*

Jessica Vannini*, Iole Di Capua, Ylenia Carotenuto. *Copepod Assemblage, ecology, and physiology in the Amendolara region (Ionian Sea) – CALYPSO: preliminary results.*

Naomi Massaccesi*, Marco Basili, Stefano Amalfitano, Marco Melita, Stefano Goffredo, Elena Manini, Gian Marco Luna, Grazia Marina Quero. *Antibiotic resistance in the marine environment and in aquaculture settings: sources, sinks and pathways.*

17:00-18:00. Sessione tematica *Environmental and resource management at the land-sea interface* (Domenico D'Alelio, Vincenzo Saggiomo). Parte II: La plastica negli ambienti acquatici.

17:00-17:15. Carola Murano*, Anna Chiara Trano, Raffaella Casotti. *First insights on temporal dynamics of plastic-associated microbial communities at a coastal site in the Gulf of Naples.*

17:15-17:30. Tomasa Sbaffi, Maria Belen Sathicq, Raffaella Sabatino, Andrea Di

Cesare, Gianluca Corno. *Microplastic and natural organic particles select for specific bacterial biofilms allowing survival of allochthonous bacteria in coastal Tyrrhenian sea waters.*

17:30-17:45. Rosaria Lauceri, Maria Oliviero, Luigi Sorrentino, Alberto Zullo, Simona Musazzi, Carlotta Santolini, Martina Austoni, Rosa Zullo. *Bioplastics from alien species: Blue crab as case study.*

17:45-18:00. Giulia Cesarini, Francesca Coppola, Diana Campos, Iole Venditti, Chiara Battocchio, Andrea Di Giulio, Maurizio Muzzi, João L. T. Pestana. Massimiliano Scalici. *Underevasted effects of nanoplastics: feeding inhibition and delayed regeneration in a freshwater planarian.*

Venerdì 30 giugno 2023 (Sala Polifunzionale Museo Darwin Dohrn, Villa Comunale)

9:00-9:45. Relazione plenaria a invito di Donato Giovannelli, Professore Ordinario in Microbiologia, Università degli Studi di Napoli Federico II. *Extreme Waters: probing the deep subsurface biosphere and its effect on biogeochemistry.*

9:45-10:45. Sessione plenaria

9:45-10:00. Flavia Migliaccio*, Deborah Bastoni, Angelina Cordone, Donato Giovannelli, Ugo Marzocchi, Kasper Urup Kjeldsen. *Effect of bioturbation by burrowing macrofauna on the microbial community structure of a tidal sediment (Løgten Strand, Denmark).*

10:00-10:15. Marco Basili*, Laura Sabatini, Giulio Pellini, Naomi Massaccesi, Elena Manini, Giuseppe Scarcella, Gian Marco Luna, Maria Grazia Quero. *Diversity and drivers of wild common sole (Solea solea) microbiome collected in the North Adriatic Sea.*

10:15-10:30. Silvia Pulina, Julia Romberg, Jorin Hamer, Birte Matthiessen. *Intraspecific variability in cell size and nutrient uptake-related traits of Chaetoceros affinis in different nutrient regimes.*

10:30-10:45. Daniel Nyqvist*, Alfredo Schiavon, Alessandro Candioto, Michele Spairani, Franz Hölker, Johan Watz, Fabio Tarena, Claudio Comoglio. *Movement and behavior of PIT-tagged Italian riffle dace (Telestes muticellus) in a small mountain stream.*

10:45-11:15. Pausa caffè

11:15-12:00. Premiazioni e chiusura dei lavori

I contributi contrassegnati dall'asterisco () sono candidati al
Premio AIOL Giuseppe Morabito 2023.*