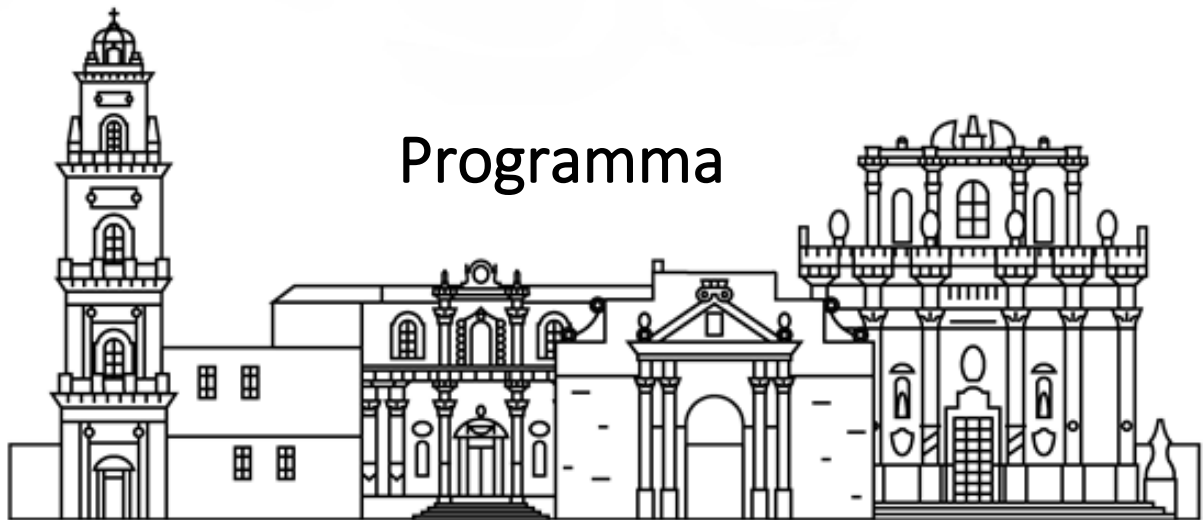


# XXX Congresso S.It.E.

## *Ecology for an ecological transition*



### Programma

#### Lunedì, 25 ottobre

9:00-10:00 Apertura

#### **Ecosistemi estremi (10:00-11:30)**

Chair: Edoardo Calizza

- 10:00 The ecology and biodiversity of supraglacial habitats (O)  
*Ambrosini R. \*, Pittino F., Azzoni R.S., Diolaiuti G., Seeger M., Franzetti A.*
- 10:10 Climate-related drivers of nutrient inputs and food web structure in shallow Arctic Lake ecosystems (O)  
*Calizza E. \*, Salvatori R., Rossi D., Pasquali V., Careddu G., Sporta Caputi S., Maccapan D., Santarelli L., Montemurro P., Rossi L., Costantini M.L.*
- 10:20 Sea ice persistence can influence trophic niche of juveniles and adults of Adelie penguin in Ross Sea (O)  
*Maccapan D. \*, Calizza E., Careddu G., Sporta Caputi S., Rossi L., Costantini M.L.*
- 10:30 Human dimensions of tourism in caves (O)  
*Nanni V. \*, Mammola S., Piano E., Isaia M.*
- 10:40 Niche segregation in Meta spiders (Araneae, Tetragnathidae) on the Etna volcano (O)  
*Nicolosi G. \*, Piano E., Isaia M.*

- 10:50 A light in the darkness: unveiling the role of light-related drivers of lampenflora proliferation in Italian show caves (O)  
*Piano E. \*, Nicolosi G., Isaia M.*
- 11:00 Lampenflora growth-control: the challenge of the show caves (P)  
*Addesso R. \*, Baldantoni D.*
- 11:05 The microbial diversity in show caves and its possible use as bioindicator of anthropic disturbance (P)  
*Biagioli F. \*, Coleine C., Piano E., Selbmann L., Isaia M.*
- 11:10 SHOWCAVE: a multidisciplinary research project to quantify and mitigate the environmental impacts in tourist caves (P)  
*Isaia M. \*, Arca A., Balestra V., Bellopede R., Biagioli F., Cina A., Cinus D., Coleine C., Cossu Q.A., de Regibus C., del Piano D., Duce P., Ferrara R., Mammola S., Marini P., Maschio P., Nanni V., Nicolosi G., Pavia M., Piano E., Poli A., Prigione V. P., Selbmann L., Thun Honenstein U., Turrini M. C., Vagnoni E., Varese G.C., Ventura A., Vigna B., Zanellati A.*
- 11:15 Glaciers and snowpack as temporary sink of substances of synthetic origin: evidences from the Adamello-Brenta Natural Park (P)  
*Lencioni V. \*, Rizzi C., Villa S., Rossini L., Mustoni A.*
- 11:20 Tourist in caves: does subterranean fauna care? (P)  
*Nicolosi G. \*, Piano E., Isaia M.*
- 11:25 Living in an acidified world: first investigation of the molecular mechanisms which allow survival of the polychaete *Platynereis* spp. in the CO<sub>2</sub> vent system of Ischia Island (P)  
*Signorini S.G. \*, Munari M., Chiarore A., Cannavacciuolo A., Nannini M., Magni S., Binelli A., Gambi M.C., Della Torre C.*

11:30-11:45 Pausa

### Servizi ecosistemici (11:45-12:40)

Chair: Fausto Manes

- 11:45 Natural capital in marine ecosystems: An environmental accounting model for marine protected areas (O)  
*Buonocore E. \*, Franzese P.P., Russo G.F.*
- 11:55 Current directions in Ecosystem Accounting and related future research needs (O)  
*Capotorti G. \*, Zavattero L.*
- 12:05 Ecosystem services provided by the river Po delta: wetland types matter (O)  
*Gaglio M. \*, Lanzoni M., Castaldelli G., Fano E.A.*
- 12:15 Urban green and ecosystem services: not just a tree (O)  
*Muresan A.N. \*, Gaglio M., Castaldelli G., Fano E.A.*

12:25 Assessing and mapping the Leaf Area Index to analyze the Ecosystem Services provision (O)  
*Sebastiani A. \*, Salvati R., Manes F.*

12:35 Regulating Ecosystem Services in Italian coastal Metropolitan Cities: assessment of PM10 removal by urban and peri-urban forests along a latitudinal gradient (P)  
*Nardella, L. \*, Sebastiani, A., Buonocore, E., Parente, C., Franzese P.P., Manes, F.*

12:40-13:00 Discussione

13:00-14:30 Pausa Pranzo

### **Ecosistemi marini (14:30-15:30)**

Chair: Antonio Pusceddu

14:30 Marine phytoplankton RNA/DNA and 18S rRNA/rDNA ratios in a coastal ecosystem (O)  
*Casabianca S. \*, Capellacci S., Ricci F., Scardi M., Penna A.*

14:40 Pollution threat assessment and conservation status of Mediterranean shark species: how far have we gone? (O)  
*Consales G. \*, Bottaro M., Marsili L.*

14:50 Bioconcentration of emerging contaminants in sponges from the Maldivian coral reef: a managing tool for a sustainable tourism (O)  
*De Grandis C. \*, Rizzi C.A., Seveso D., Galli P., Villa S.*

15:00 Spatial prioritization for fucalean brown algal forests restoration in the Mediterranean Sea (O)  
*Fabbrizzi E. \*, De Leo F., Tamburello L., Chiarore A., Colletti A., Coppola M., Munari M., Musco L., Rindi F., Rizzo L., Savinelli B., Franzitta G., Grech D., Cebrian E., Verdura J., Bianchelli S., Mangialajo L., Nasto I., Sota D., Orfanidis S., Papadopoulou K.N., Danovaro R., Frascchetti S.*

15:10 Beach Litter on the Mediterranean coastline: evaluation of composition, distribution, and sources in the SPAMI Pelagos Sanctuary (O)  
*Galli M. \*, Bainsi M., Panti C., Caliani I., Campani T., Giani D., Concato M., Limonta G., Giannini F., Santoni M.C., Leccia S., Fossi M.C.*

15:20 How and to what degree does physical structure differ between natural and artificial habitats? A multi-scale assessment in marine intertidal systems (O)  
*Grasselli F. \*, Airoidi L.*

### **Ecotossicologia e ecologia microbica (15:30-16:10)**

Chair: Antonio Finizio

15:30 PET particles raise microbiological risk for human health while tyre wear microplastic particles heavily affect ecosystem services in waters (O)

Corno G.\*

- 15:40 Long-term effects of extra food provisioning on the gut microbiome of a diurnal raptor, the lesser kestrel (O)  
*Costanzo A.\*, Rubolini D., Franzetti A., Gandolfi I., Romano A., Cecere J.G., Ambrosini R.*
- 15:50 PFAS analysis in fish species with different ecological characteristics (O)  
*Giari L.\*, Guerranti C., Fano E.A., Castaldelli G.*
- 16:00 Coating with natural molecules affects the ecotoxicity of Cerium oxide nanoparticles for the mussel species *Dreissena polymorpha* and *Mytilus galloprovincialis* (O)  
*Nigro L.\*, Magni S., Binelli A., Della Torre C.*

16:10-16:30 Pausa

### **Ecologia teorica, modelli e metodi (16:30 – 17:10)**

Chair: Marino Gatto

- 16:30 Size allometry of resource and space use behaviour: implications at the population level (O)  
*Cozzoli F.\*, Shokri M., Basset A.*
- 16:40 A new gridded dynamic multimedia model to predict fate of DDT in terrestrial ecosystems (O)  
*Falakdin P.\*, Terzaghi E., Di Guardo A.*
- 16:50 Microplastics as vectors of contaminants in the Mediterranean Sea: A modelling description (O)  
*Guerrini F.\*, Mari L., Casagrandi R.*
- 17:00 Bottom-up: the role of ecosystem engineers in the Anthropocene (O)  
*Losapio G.\**

### **Ecotossicologia e ecologia microbica (17:10-18:00)**

Chair: Andrea Binelli

- 17:10 Effects of emerging pollutants on the larval development of calanoid copepod *Acartia tonsa* (O)  
*Picone M.\*, Russo M., Marchetto D., Distefano G.G., Volpi Ghirardini A.*
- 17:20 Role of forest ecosystem services in improving air quality: the contribution of phyllosphere bacteria to PAH air concentration reduction (O)  
*Terzaghi E.\*, Posada-Baquero R., Di Guardo A., Ortega-Calvo J.J.*
- 17:30 Spatial and temporal trends in the ecological risk posed by polycyclic aromatic hydrocarbons in Mediterranean Sea sediments (O)  
*Villa S.\**

- 17:40      Checking the environmental conditions for the growth and efficiency of an ad hoc engineered microbial consortium in the zero-mile system (P)  
*Alabiso A. M. \*, Bartolini M., Savio S., Farrotti S., Congestri R., Costa F., Migliore L.*
- 17:45      Effects of polystyrene nanoplastics on the brittle star *Ophiactis vires* (P)  
*Balzano A. \*, De Felice B., Casati L., Pistocchi A., Bonasoro F., Parolini M., Sugni M.*
- 17:50      Toxicological exploitation of biological material recovered from the deposition chamber after hatching of *Caretta caretta* (Linnaeus, 1758) eggs: the Tuscan models (P)  
*Ceciarini I. \*, Mancusi C., Zuffi M., Terracciano G., Caruso C., Franchi E., Cancelli F., Marsili L.*

## Martedì, 26 ottobre

### Ecosistemi marini (9:30-10:30)

Chair: Gianluca Sarà

- 9:30      Structure of benthic foraminiferal communities in the Sicily Channel under different levels of invasion by the Indo-Pacific *Amphistegina lobifera* Larsen (Protista) (O)  
*Guastella R. \*, Evans J., Mancin N., Caruso A., Marchini A.*
- 9:40      Is sustainable fishing possible in the Mediterranean Sea combining ecology economy and ethics? (O)  
*Marsili L. \*, Ceciarini I., Consoles G., Franchi E*
- 9:50      Plastic litter and burial increase seagrass habitat vulnerability to the invasion by non-native macro-algae (O)  
*Menicagli V. \*, Balestri E., Lardicci C.*
- 10:00      Microplastics impair extracellular enzymatic activities and organic matter composition in marine sediments (O)  
*Moccia D. \*, Pusceddu A., Dessì C., Cau A.*
- 10:10      Living on the edge: the CO<sub>2</sub> vents of Ischia as a natural laboratory to study the adaptive mechanisms of two marine species (O)  
*Munari M. \*, Signorini S.G., Gambi M.G., Chiarore A., Cannavacciuolo A., Nannini M., Magni S., Binelli A., Della Torre C.*
- 10:20      On the challenge of seagrass *Posidonia oceanica* restoration methodologies and outcomes: a systematic review (O)  
*Pansini A. \*, Bosch-Belmar M., Berlino M., Sarà G., Ceccherelli G.*

### Ecosistemi di acqua dolce e transizione (10:30-11:00)

Chair: Elisa Anna Fano

- 10:30      From aquatic plant loss to evolutionary radiation in the exocene (O)  
*Bolpagni R. \*, Lambertini C.*

- 10:40 Diet and functional feeding groups of Chironomidae (Diptera), Ephemeroptera and Plecoptera in alpine freshwater habitats (O)  
*Capovilla D. \*, Paoli F., Pasteris A., Lencioni V.*
- 10:50 Nutrient loads and hydrological dynamics of the Po River watershed (O)  
*Cavallini E. \*, Viaroli P., Nizzoli D.*
- 11:00 Preliminary analysis of the concentration of microplastics in the sediments of Lake Bracciano, Italy (O)  
*Cera A. \*, Pierdomenico M., Sodo A., Scalici M.*

11:10-11:30 Pausa

### **Ecosistemi di acqua dolce e transizione (11:30-12:00)**

Chair: Elisa Anna Fano

- 11:30 Integrated study of riverine plastic litter from the city of Rome to the sea (O)  
*Cesarini G. \*, Crosti R., Scalici M.*
- 11:40 The net trapping effect: is riparian vegetation affecting riverine macrolitter distribution? (O)  
*Gallitelli L. \*, Cutini M., Scalici M.*
- 11:50 The role of riparian corridors of a small stream system within a highly deforested and fragmented landscape in the Eastern Rift Valley (O)  
*Giberti G.S. \*, Gumiero B., Kiprotich A.K., Wanjiku Methu S., Harper D.M., Pacini N.*

### **Ecotossicologia e ecologia microbica (12:00-12:40)**

Chair: Anna Barra Caracciolo

- 12:00 Use of large datasets of measured environmental concentrations for the ecological risk assessment of chemical mixtures in Italian streams: A case study (O)  
*Finizio A. \*, Grenni P., Petrangeli A.B., Caracciolo A.B., Santoro S., Di Guardo A.*
- 12:10 Ecosafe Nano-based solutions for Pollution Monitoring and Control in the Marine Environment (O)  
*Corsi I. \*, Bellingeri A., Battocchio C., Fiorati A., Venditti I., Punta C.*
- 12:20 Assessment of the potential impacts due to the recovery of maritime traffic and touristic activities at Ischia Island (Italy) after the SARS-CoV-2 lockdown, through active biomonitoring with *Mytilus galloprovincialis* (O)  
*Della Torre C. \*, Villa S., Rizzi C., Musco L., Chiarore A., Cannavacciuolo A., Magni S., Binelli A., Munari M.*
- 12:30 Evaluation of the sub-lethal effects of four commercial fungicides used alone or combined on the earthworm *Eisenia fetida* (Savigny, 1826): laboratory and field investigations. (O)  
*Campani T. \*, Caliani I., Casini S.*

12:40-13:00 Discussione

13:00-14:30 Pausa pranzo

### Invited Speaker (14:30-15:20)

14:30 Managing Landscapes for Climate Change  
*Robert Scheller*

### Ecosistemi terrestri (15:20-16:15)

Chair: Flora Rutigliano

15:20 Soil biological responses to black locust invasion in pine forests and shrublands after fire (O)  
*De Marco A. \*, Napoletano P., Panico S.C., Memoli V., Santorufo L., Barile R., Maisto G.*

15:30 Identifying drivers of avian migratory connectivity in the European-African migration system (O)  
*Fattorini N. \*, Costanzo A., Spina F., Romano A., Rubolini D., Ambrosini R.*

15:40 Ozone risk assessment for a deciduous mature forest from multi-annual flux measurements (O)  
*Marzuoli R. \*, Finco A., Gerosa G.*

15:50 Green Connectivity Index for urban landscape sustainability (O)  
*Valente D. \*, Lovello E.M., Giannuzzi C.G., Petrosillo I.*

16:00 Climate change effects on altitudinal distribution and abundance of two Alpine songbird species (P)  
*Cioccarelli S. \*, Parolini M., Brambilla M., Ambrosini R., Rubolini D., Bocchi S.*

16:05 Effects of wildfire on soil of *Pinus halepensis* wood of Southern Italy in relation to fire severity (P)  
*Marfella L. \*, Marzaioli R., Pazienza G., Mairota P., Glanville C.H., Rutigliano F.A.*

16:10 Nutrient content and stoichiometry reflect adaptation of two Mediterranean evergreen woody plants to geochemically heterogeneous areas (P)  
*Monaci F. \*, Ancora S., Paoli L., Loppi S., Franzaring J.*

16:15-16:30 Pausa

### Ecosistemi di acqua dolce e transizione (16:30-17:15)

Chair: Luciana Migliore

16:30 Plastic impact in the main water courses of the metropolitan city of Milan (O)  
*Magni S. \*, Della Torre C., Nigro L., Binelli A.*



- 16:40      Pharmaceuticals and other urban contaminants threaten Amazonian freshwater ecosystems (O)  
*Rico A., de Oliveira R., de Souza Nunes G.S., Rizzi C.\*, Villa S., Lopez-Heras I., Vighi M., Waichman A.V.*
- 16:50      An exceptional rain event affected phytoplankton structure in a Mediterranean lagoon (O)  
*Satta C.T.\*, Padedda B.M., Pulina S., Fois N., Culurgioni J., Diciotti R., Lugliè A.*

### **Ecotossicologia e ecologia microbica (17:15-17:55)**

Chair: Ilaria Corsi

- 17:15      Characterization of plastic occurrence in fish species from aquaculture systems of the Mediterranean Sea and possible implication for human consumption (P)  
*Colosimo D.\*, Mosconi G., Magni S., Binelli A., Panseri S., Della Torre C.*
- 17:20      Comparison of biochemical and behavioral effects induced by cocaine and benzoylcegonine in *Procambarus clarkia* (P)  
*De Felice B.\*, De Pascalis F., Manenti R., Nasti R., Beretta G., Parolini M.*
- 17:25      Use of lichens to evaluate the impact of post- earthquake reconstruction activities on air quality: a case study from the city of L'Aquila (P)  
*Di Biase L.\*, Di Lisio P., Fattorini S., Pace L.*
- 17:30      Multibiomarker approach and IBRV2 index to assess the ecotoxicological status of *Apis mellifera* (Linnaeus, 1758): laboratory experiment and field monitoring (P)  
*Di Noi A.\*, Casini S., Campani T., Cai G., Caliani I.*
- 17:35      A multi-biomarker approach to evaluate the ecotoxicological status of Common kestrel (*F. tinnunculus*) populations from urban and agricultural environments (P)  
*Giovanetti L.\*, Caliani L., Campani T., Casini S.*
- 17:40      Development of a novel approach for the management of non-recyclable plastic waste (P)  
*Parolini M.\*, Ortenzi M.A., Gianotti V., Fiore E., Bacenetti J., Orsi L., Giroto F., Esposito M., De Felice B., Antonioli D., Lamonica C., Gazzotti S., Tremolada P., Beretta G., Sugni M., Ganzaroli A., Pilotti L., Tamborrini P., Laus M., Piazza L.*
- 17:45      Environmental risk assessment of veterinary medicinal products intended for use in aquaculture in Europe (P)  
*Villa S.\**



## Mercoledì, 27 ottobre

### Ecosistemi di acqua dolce e transizione (9:30-10:35)

Chair: Edoardo Calizza

- 9:30            Looking back to go forth: how to achieve the WFD goals for nitrates in coastal areas by restoring emergent vegetation in agricultural canals (O)  
*Soana E. \*, Fano E.A., Castaldelli G.*
- 9:40            Inside and outside the boundaries: contribution of the valli da pesca to the Venice lagoon Ecosystem Services (O)  
*Stocco A. \*, Rova S., Anelli Monti M., Caccin A., Pranovi F.*
- 9:50            PIT tag telemetry to study hatchery and wild trout movement along a stream in Southern Switzerland. (P)  
*Brignone S. \*, Putelli T., Molina C., Piccinini A., Volta P.*
- 9:55            Towards a 'Valsesia Plastic free': macro- and microplastic contamination along the Sesia River (P)  
*Bulgarelli B. \*, De Felice B., Parolini M., Lamonica C., Ortenzi M.A.*
- 10:00           Insights into submerged vegetation in pristine and impacted deep lakes (P)  
*Dalla Vecchia A. \*, Wilkes M., Azzella M., Laini A., Bolpagni R.*
- 10:05           Contribution of river denitrification in reducing nitrate export to the coastal zones: first evidence from the lower Po River (P)  
*Gervasio M.P. \*, Soana E., Vincenzi F., Castaldelli G.*
- 10:10           Assessment of pit lakes in the Po River basin: changes in water quality from satellite images and limnological data (P)  
*Ghirardi N. \*, Bresciani M., Nizzoli D., Viaroli P.*
- 10:15           Finding *Dikerogammarus villosus*: distribution of the killer shrimp in the River Adda (South Adda Regional Park, northern Italy) (P)  
*Paganelli D. \*, Cianci A.*
- 10:20           Preliminary contribution to the quantitative evaluation of polystyrene microplastics in the marine sediments facing the mouth of the Tiber River. (P)  
*Papini G., Boglione C., Petrella G., Cicero D.O., Rakaj A.*
- 10:25           Effects of larger dams on the occurrence of the catadromous European eel (*Anguilla anguilla*, L. 1758) (P)  
*Podda C. \*, Musu A., Palmas F.1, Serra M.1, Pusceddu A.1, Sabatini A.*
- 10:30           Speciation and stoichiometry of silica, nitrogen and phosphorus in riverbed sediments in relation to hydrological variability (P)  
*Scibona A. \*, Viaroli P., Nizzoli D.*

## Ecosistemi marini (10:35-11:15)

Chair: Salvatrice Vizzini

- 10:35 Assessment of multiple ecological impacts of marine litter in the Adriatic Sea: from fishing for litter to fish species (O)  
*Cristina Panti\**, Matteo Baini, Matteo Galli, Dario Giani, Giacomo Limonta, Margherita Concato, Eugenia Pasanisi, Gabriele Galasso, Eugenia Delaney, Giulio Pojana, Maria Cristina Fos
- 10:45 Over a decade of ecological knowledge for the conservation of the Cetofauna inhabiting in the Gulf of Taranto (Northern Ionian Sea, Central Mediterranean Sea) (O)  
*Ricci P.\**, Cascione D., Cipriano G., Capezzuto F., D'Onghia G., Fanizza C., Ingrosso M., Maglietta R., Maiorano P., Sion L., Tursi A. Carlucci R.
- 10:55 Effects of natural acidification on sedimentary organic matter composition and degradation (O)  
*Soru S.\**, Sarà G., Berlino M., De Vittor C., Trova F., Pusceddu A.
- 11:05 Can we preserve and restore overlooked macroalgal forests? (O)  
*Tamburello L.\**, Chiarore A., Fabbri E., Colletti A., Franzitta G., Grech D., Rindi F., Rizzo L., Savinelli B., Frascchetti S.

11:15-11:25 Pausa

## Ecosistemi Marini (11:25-11:50)

Chair: Salvatrice Vizzini

- 11:25 Comparison of environmental niche of the Atlantic blue crab *Callinectes sapidus* between native and invasive areas: is a niche shift occurring? (P)  
*Bardelli R.\**, Vizzini S., Mancinelli G.
- 11:30 Assessment of the effects of port contaminants on marine protected areas by an integrated approach on *Pachygrapsus marmoratus* (P)  
*Caliani I.\**, Pretti C., Baratti M., Cannicci S., Fossi M.C., Casini S., Fratini S.
- 11:35 A spatially explicit food web model for supporting the management of a marine Natura 2000 site: ongoing efforts at the Tegnùe di Chioggia (P)  
*Donati, E.\**, Fabbri, F., Russo, E., Pranovi, F., Ponti, M., Turicchia E., Airoldi, L., Brigolin, D.
- 11:40 The sea cucumber *Holoturia tubulosa* (Gmelin, 1788) as a bioreactor under different temperature regimes (P)  
*Ennas C.\**, Pasquini V., Addis P., Pusceddu A.
- 11:45 Seagrass meadows functional traits gradually change across a warming coastal ecosystem (P)  
*Pansini A.\**, La Manna G., Pinna F., Stipcich P., Ceccherelli G.

## Specie invasive (11:50-13:00)

Chair: Antonella Penna

- 11:50 The rise and fall of an alien: why the successful colonizer *Littorina saxatilis* failed to invade the Mediterranean Sea (O)  
*Bosso L.\*, Russo D., Chiusano M.L., Bertorelle G., Johannesson K., Butlin R.K., Danovaro R., Raffini F.*
- 12:00 The ecophysiological plasticity of *Halophila stipulacea holobiont* (O)  
*Conte C.\*, Apostolaki E. T., Winters G., Vizzini S., Migliore L.*
- 12:10 Spoiled for Choice during Cold Season? Habitat Use and Potential Impacts of the Invasive *Silurus glanis* L. in a Deep, Large, and Oligotrophic Lake (Lake Maggiore, North Italy) (O)  
*De Santis V.\*, Volta, P.*
- 12:20 UAV-based mapping of *Acacia saligna* invasions in the Mediterranean coastal dune (O)  
*Marzialetti F.\*, Frate L., De Simone W., Frattaroli A.R., Rosario Acosta A.T., Carranza M.L.*
- 12:30 Invasion by alien species implies a transition to new ecosystem services: the case of Carp in Lake Naivasha, Kenya. (O)  
*Pacini, N.\*, Baxa, M., Harper, D.M.*
- 12:40 Biotic resistance of native fouling communities to bioinvasion (O)  
*Tamburini M.\*, Ferrario J., Festa Marzotto F., Lo Vullo M., Marchini A., Occhipinti-Ambrogi A.*
- 12:50 Application and promotion of a standardized American protocol to monitoring marine alien species in Mediterranean ports (P)  
*Ferrario J.\*, Tamburini M., Keppel E., Marchini A., Repetto M.F., Ruiz G.M., Occhipinti-Ambrogi A.*
- 12:55 Role of body size and habitat complexity in the structure of the diet of the invasive *Micropterus salmoides* (P)  
*Ventura M.\*, Calizza E., Careddu G., Sporta Caputi S., Rossi L., Costantini M. L.*

13:00-14:30 Pausa pranzo

## Ecologia teorica, metodi e modelli (14:30-15:30)

Chair: Alberto Basset

- 14:30 Camera-trapping, artificial intelligence and hierarchical ecological modelling to assess mammalian communities: methodological insights towards an Italian network of standardized monitoring sites (O)  
*Rovero F.\*, Greco I., Salvatori M., Oberosler V., Massolo A., Petroni L., Franceschini A., Rinaldi M., Truschi S., De Divitiis L., Seidenari L.*

- 14:40 Metabolic rate and foraging behaviour: A mechanistic link across size and temperature variation (O)  
*Shokri M. \*, Cozzoli F., Basset A.*
- 14:50 Optimizing offshore monitoring activities by oil and gas industries: the need of a standardized protocol (P)  
*Chiarandon A.M. \*, Abbiati M.*
- 14:55 Environmental monitoring of touristic caves in Sardinia (P)  
*Cinus D\*, Cossu Q.A., Arca A., Ventura A., Ferrara R., Isaia M., Piano E., Duce P.*
- 15:00 Variation in niche breadth in tenebrionid beetles along an elevational gradient (P)  
*S. Fattorini\**
- 15:05 Organic pollution monitoring on superficial water, by Coliforms and *E. coil* and reliability of a simplified method for citizen science (P)  
*Gumiero B. \*, Jedrusiak A.K., Conti A., Di Grazia F., Girolamini L., Mazzotta M., Cristino S.*
- 15:10 Microalgae cultivation as a strategic sector for a sustainable ecological transition (P)  
*Nicolò M.S. \*, Rizzo M.G., Zammuto V., Spanò A., Guglielmino S.P.P., Falqui L., Riccobene P., Scollo D., Gugliandolo C.*
- 15:15 Biosurfactant from thermophilic *Bacillus licheniformis* B3-15 as promising molecule in bioremediation (P)  
*Rizzo M.G. \*, Zammuto V., Spanò A., De Foresta M., Nicolò M. S., Guglielmino S. P. P., Gugliandolo C*
- 15:20 Exopolysaccharide produced by *Bacillus licheniformis* strain B3-15 and its biotechnological potential (P)  
*Spanò A. \*, Zammuto V., Rizzo M.G., Nicolò M.S., Grillo E., Guglielmino S.P.P. and Gugliandolo C.*
- 15:25 Polyhydroxyalkanoates produced by a novel marine *Vibrio* sp. strain from crude glycerol as carbon source (P)  
*Zammuto V. \*, Rizzo M.G., Spanò A., Nicolò M., Guglielmino S., Gugliandolo C.*
- 15:3-15:45 Pausa
- 15:45-17:00 Premiazioni e chiusura