

Martedì 10 Settembre 2019

Aula E2

14:00 – 14:30 Apertura ufficiale dei lavori con proclamazione dei vincitori dei premi Brusarosco, Moroni, Ecologia in foto, Video dell'anno

14:30 – 16:30 **Sessione 1** – Capitale Naturale, Well-being e Stress Ecology (Chairman: A. Binelli e I Corsi)

14:30 Bellingeri A., Casabianca S., Capellacci S., Faleri C., Paccagnini E., Lupetti P., Penna A., Corsi I. - Impact of nanoplastics on marine diatom *Skeletonema marinoi*: particles adhesion, ROS production and reduction of colonies length

14:45 Bergami E., Manno C., Cappello S., Vannuccini M.L. Corsi I. - Nanoplastics impair Antarctic krill physiology with potential consequences on the biological carbon pump in the Southern Ocean

15:00 Binelli A., Parenti C.C., Della Torre C. Magni S. - Micro - and nanoplastics in freshwaters: new emerging contaminants?

15:15 Casini S., Campani T., Ammendola A., Conti B., Bedini S., Cosci F., Di Noi A., Caliani I. - Evaluation of the ecotoxicological stress induced by anthropogenic contaminants in *Apis mellifera*

15:30 Colangeli P. e Obertegger U. - Tracking responses to environmental stressors with video analysis: examples from planktonic organisms

15:45 Corsi I., Bergami E., Bellingeri A., Grassi G., Casabianca S., Capellacci S., Penna A. - Selecting indicator species for ecological risk assessment of nanoplastics in the marine environment

16:00 De Felice B., Mondellini S., Salgueiro-González N., Castiglioni S., Parolini M. - A comparison of biochemical and behavioural effects induced by cocaine and methamphetamine exposure to *Daphnia magna*

16:15 Della Torre C., Maggioni D., di Nica V., Hamza H., Magni S., Morosetti B., Nigro L., Protano G., Parenti C.C., Riccardi N., Finizio A., Binelli A., Villa S. - Environmental biomolecules affect the fate and toxicity of *Cerium oxide* nanoparticles for aquatic biota

17:00 – 17:30 Relazione Prof. Giovanni Russo (UniNa Parthenope) su Capitale Naturale e contabilità ambientale

17:30 – 18:30 **Sessione 1** – Capitale Naturale, Well-being e Stress Ecology (Chairman: A. Binelli e I Corsi)

17:30 Di Guardo A., Raspa G., Terzaghi E., Borin S., Mapelli F., Zanardini E., Morosini C. - Predicting vertical movement of PCBs in contaminated soil: evaluation of bioavailability, leaching and bioremediation potential

17:45 Eliso M.C., Bergami E., Murano C., Spagnuolo A., Corsi I. - Polystyrene nanoparticles disrupt embryogenesis of ascidian *Ciona robusta*

18:00 Fusaro L., Salvatori E., Winkler A., Macrì P., Canepari S., Frezzini M.A., Marando F., Manes F. - An integrated approach to assess the effects of particulate matter on functional traits of *Quercus ilex* L. in an urban area

18:15 Grassi G., Landi C., Della Torre C., Bergami E., Bini L., Corsi I. - Nanoplastics and their ecological impact on marine biota: new biological identities acquired upon exposure to the sea urchin *Paracentrotus lividus* coelomic fluid

18:30 – 19:00 Saluti delle Autorità

Aula D5

14:30 – 16:30 Sessione 5 – Capitale Naturale ed Ecosistemi delle acque interne (Chairman: S. Fenoglio e V. Lencioni)

14:30 Lencioni V., Camin F., Bianchini G., Paoli F., Marchina C., Franceschini A., Tonon A., Debiassi D. - Macroinvertebrate community structure in relation to environmental variables in five Alpine streams fed by shrinking glaciers

14:45 Benelli S., Longhi D., Bartoli M. - Macrofauna and roots reduce CH₄ production and attenuate nutrient recycling in organic-rich fluvial sediments

15:00 Burgazzi G., Laini A., Guareschi S., Saccò M., Palmia B., Severini E., Racchetti E., Viaroli P. - Macroinvertebrates in riverine systems with different degree of intermittence: influence of community dynamics and environmental variables at different spatial scales

15:15 Congiu L. Boscari E., Caruso C., Marino E.I.A., Zane L. - The reintroduction of the Beluga sturgeon (*Huso huso*) in the Po river basin, between science and improvisation

15:30 Corno G., Di Cesare A., Eckert E.M. - Aperiodic Seasonal Drought (ASD) and ecosystem processes: preliminary results of ongoing research on leaf litter breakdown and invertebrate assemblages in the Aterno River (Abruzzo, Central Italy)

15:45 Cristiano G., Fidani M., Cicolani B., Miccoli F.P., Di Sabatino A. - Ecology and the impact of anthropogenic activities determine the fate of antibiotic resistance in waters

16:00 Doretto A., Bona F., Falasco E., Gruppuso L., Piano E., Fenoglio S. - Droughts in Alpine streams: impacts on the diversity of macroinvertebrate communities and insights on their recovery

16:15 Fenoglio S., Doretto A., Falasco E., Gruppuso L., Piano E., Bona F. - Productivity in Alpine streams: what do we know?

17:30 – 18:30 Sessione 5 – Capitale Naturale ed Ecosistemi delle acque interne (Chairman: S. Fenoglio e V. Lencioni)

17:30 Fiorentino F., Jona-Lasinio G., Careddu G., Sporta Caputi S., Ercolino M., Calizza E., Rossi L., Costantini M. L. - A new protocol based on the epilithic $\delta^{15}\text{N}$ values for the environmental monitoring of the Nitrogen inputs in aquatic ecosystems

17:45 Fornaroli R., Muñoz-Mas R., Martinez-Capel F. - Fish community responses to antecedent hydrological conditions in the Júcar River Basin District (Eastern Iberian Peninsula)

18:00 Gavioli A., Milardi M., Soana E., Lanzoni M., Fano E.A., Castaldelli G. - The role of species introduction in modifying the functional diversity of native communities

18:15 Gruppuso L., Doretto A., Rappocciolo M., Receuver J., Benbow M.E., Bona F., Fenoglio S. - Longitudinal gradient of CPOM degradation in the Po river (NW Italy)

Aula D6

17:30 – 18:30 Sessione 6 – Capitale Naturale e Contabilità ambientale (Chairman: P.P. Franzese)

17:30 Franzese P.P., Buonocore E., Russo G.F. - Ecological Goal Functions and the assessment of natural capital value

17:45 Gaglio M., Lanzoni M., Vincenzi F., Castaldelli G., Fano E.A. - The value of ecosystem services provided by the Sacca di Goro lagoon: is environmental accounting a sufficient argument for ecological conservation?

18:00 Picone F., Buonocore E., Claudet J., Chemello R., Russo G.F., Franzese P.P. - Evaluating the performance of Marine Protected Areas: an adaptive management framework to assess the reserve effect on natural capital and local coastal communities

18:15 Tamburini E., Gaglio M., Castaldelli G., Fano E.A. - Assessing potential indirect land use change due to biogas crops and its impact on ecosystem services: the case study of Emilia Romagna region

Mercoledì 11 Settembre 2019

Aula E2

09:00 – 09:30 Relazione del Prof. Antonio Mazzola (UniPalermo) su Capitale Naturale ed Ecosistemi lagunari o di transizione

09:30 – 10:30 Sessione 3 – Capitale Naturale ed Ecosistemi marini ed oceanici (Chairman: S. Vizzini e A. Pusceddu)

9:30 Asnaghi V., Farina S., Leggieri F., Chindris A., Scolamacchia M., Guala I., Brundu G., Loi B., Chiantore M. - Ocean acidification effects on top-down control of the key species *Paracentrotus lividus* in marine benthic ecosystems

09:45 Boldrocchi G. e Bettinetti R. - Whale shark seasonal presence, residence time and habitat use in the Gulf of Tadjoura, Djibouti

10:00 Buonocore E., Franzese P.P., Russo G.F. - Natural capital and ecosystem services assessment in marine ecosystems

10:15 Carlucci R., Ricci P., Cipriano G., Carluccio A., Capezzuto F., Sion L., Maiorano P., D'Onghia G., Tursi A. - An integrate approach to detect change in the natural capital: the case of the deep-water red shrimps in the North-western Ionian Sea

11:00 – 11:30 Relazione del Prof. Carlo Blasi (UniRoma La Sapienza) su Capitale Naturale ed Ecosistemi terrestri

11:30 – 13:00 Sessione 3 – Capitale Naturale ed Ecosistemi marini ed oceanici (Chairman: S. Vizzini e A. Pusceddu)

11:30 Casabianca S., Capellacci S., Giacobbe M.G., Dell'Aversano C., Tartaglione L., Varriale F., Narizzano R., Risso F., Moretto P., Dagnino A., Bertolotto R., Barbone E., Ungaro N., Penna A. - Plastic-associated harmful phytoplankton assemblages in coastal and off-shore habitats of the Mediterranean Sea

11:45 Ciriminna L., Signa G., Vizzini S., Mazzola A. - Echinoculture as a potential tool to mitigate harvesting pressure on natural sea urchin stocks: first steps towards an eco-sustainable approach

12:00 Conte C., Rotini A., Piazza G., Vasquez M., Winters G., Migliore L. - Seagrasses compartments constitute a highly variable microenvironment for the associated epiphytic microbial community

12:15 Fabbri E., Scardi M., Ballesteros E., Benedetti-Cecchi L., Cebrian E., Ceccherelli G., De Leo F., Deidun A., Guarnieri G., Falace A., Fraissinet S., Giommi C., Mačić V., Mangialajo L., Mannino A.M., Piazzini L., Ramdani L., Rilov G., Rindi L., Rizzo L., Sarà G., Souissi J.B., Taskin E., Fraschetti S. - Modelling Macroalgal Forest Distribution at Mediterranean Scale: Present Status, Drivers of Changes and Insights for Conservation and Management

12:30 Boscari E., Marino E.I.A., Congiu L., Zane L. - Reduced genetic connectivity among Mediterranean populations of the sunset cup coral (*Leptopsammia pruvoti*) assessed by 2bRAD sequencing

12:45 Bianchelli S. e Danovaro R. - Ecosystem functioning and efficiency loss in degraded coastal ecosystems: a case study from *Cystoseira* spp. meadows and barren grounds in the Mediterranean Sea

14:15 – 14:45 Relazione del Prof. Enrico Alleva (ISS, FISNA) su Capitale Naturale e Benessere

14:45 – 16:00 Sessione 3 - Capitale Naturale ed Ecosistemi marini ed oceanici (Chairman: S. Vizzini e A. Pusceddu)

14:45 Gianguzza P. - Is there a link between coralline barren habitat and megafauna abundance and biodiversity in shallow rocky reefs?

15:00 Gissi E. e Manea E. - Marine ecosystem services trade-off assessment: a methodological approach to inform maritime spatial planning

15:15 Grassi E., Cesaroni L., Guidi L., Balsamo M., Semprucci F. - Meiofaunal and nematode biodiversity trends in tropical subtidal habitats

15:30 Guarnieri G., Bevilacqua S., Figueras N., Tamburello L., Frascchetti S. - Large-scale sea urchin culling drives the reduction of barren grounds in the subtidal rocky habitats in the Mediterranean Sea

15:45 Guerrini F., Mari L., Casagrandi R. - A Modelling Approach to Analyse Plastics Exposure for *Balaenoptera physalus* in the Pelagos Sanctuary

16:00 – 16:30 Relazione del Prof. Pierluigi Viaroli (UniParma) su Capitale Naturale ed Ecosistemi delle acque interne

17:00 – 18:00 Tavola rotonda sulla gestione dei parchi naturali e delle aree protette. Intervengono Gianfranco Bologna (WWF Italia), Giampiero Sammuri (FederParchi), Patrizio Scarpellini (Parco delle 5 Terre) e Maria Pia Pagliarusco (Parco del Delta del Po)

18:00 – 19.30 Assemblea dei Soci S.It.E

Aula D5

09:30 – 10:30 Sessione 5 – Capitale Naturale ed Ecosistemi delle acque interne (Chairman: V. Mezzanotte e D. Nizzoli)

09:30 Laini A., Beermann A.J., Bolpagni R., Burgazzi G., Elbrecht V., Zizka V., Leese F., Viaroli P. - Testing metabarcoding for macroinvertebrate biomonitoring in intermittent rivers

09:45 Leoni B., Buzzi F., Lepori F., Rogora M., Salmaso N. - Impacts affecting the natural capital of the large and deep lakes south of the Alps: long-term research and challenges in management

10:00 Mazzoni M., Pascariello S., Polesello S., Valsecchi S., Bettinetti R. - Survey of PFAS concentrations in zooplankton and pelagic fish collected in three subalpine Italian deep lakes

10:15 Mezzanotte V., Bonacina L., Marazzi F., Fornaroli R. - The thermal regime of alpine streams: natural controls and effect of hydroelectric power production

11:30 – 12:30 Sessione 5 – Capitale Naturale ed Ecosistemi delle acque interne (Chairman: V. Mezzanotte e D. Nizzoli)

11:30 Nava V., Matias M., Gonsán H., Pinedo-Troncoso M., Raposeiro P.M., Ribeiro S., Patelli M., Castillo-Escrivà A., Leoni B. - Microplastic colonization by primary producers: a mesocosm experiment across a biogeographical gradient

11:45 Nizzoli D., Azzoni R., Castaldelli G., Viaroli P. - Short term influence of sediment drying and organic matter enrichment on benthic metabolism, nitrogen and phosphorus recycling

12:00 Palmia B., Bartoli M., Viaroli P., Pucher M., Weigelhofer G. - Effects of river drying and rewetting on hyporheic metabolism and nutrient cycling

12:15 Racchetti E., Soana E., Longhi D., Viaroli P., Bartoli M. - N legacy along gradients: How water and land uses drive river-groundwater interaction in the Ticino, Adda and Oglio Rivers (Northern Italy)

14:45 – 16:00 Sessione 5 – Capitale Naturale ed Ecosistemi delle acque interne (Chairman: V. Mezzanotte e D. Nizzoli)

14:45 Santolini R., Frey M., Gusmerotti N., Traini S., Borghini A., Morri E., Panza. G., Pasini G., Tavoloni M. - L'analisi dei Water Ecosystem Services (WES) per l'identificazione degli ERC in alcuni bacini idrografici della Regione Emilia Romagna

15:00 Soana E., Castaldelli G., Fano E.A. - Towards the achievement of WFD goals in agricultural watersheds: the role of vegetated ditches in reducing nitrate export

15:15 Villa S., Di Nica V., Castiglioni S., Finizio A., Lencioni V. - Environmental risk of emerging contaminants in an Alpine stream influenced by seasonal tourism

15:30 Cappelli F., Sanseverino I., Navarro Cuenca A., Valsecchi S., Polesello S., Bettinetti R., Lettieri T. - Investigation of wastewaters as anthropic pollution source of pharmaceuticals and antibiotics in aquatic system

Aula D6

09:30 – 10:30 Sessione 2 – Capitale Naturale ed Ecosistemi terrestri (Chairman: G. Maisto e F. Manes)

09:30 Adesso R., Baldantoni D., Bellino A. - Cave vermiculations and microbiota, an ecological journey

09:45 Ancillotto L. e Russo D. - Conservation and ecosystem services by bats in urban habitats

10:00 Assandri G., Brambilla M., Bogliani G., Pedrini P. - The vanishing natural capital of mountain grassland: sustainable management recommendations from the Italian Alps

10:15 Bevacqua D. e Zaffaroni M. - An eco-physiological model coupling plant growth and aphid population dynamics

11:30 – 12:30 Sessione 2 – Capitale Naturale ed Ecosistemi terrestri (Chairman: G. Maisto e F. Manes)

11:30 Biella P., Tommasi N., Tapparo A., Nurtaza A., Klecka J., Galimberti A., Labra M. - Effects of anthropogenic habitat alteration on plant-pollinator interactions and on pollinator's foraging

11:45 Calizza E., Tomasetto F., Sporta Caputi S., Fiorentino F., Rossi L., Costantini M. L. - Functional biodiversity and pest ecology in New Zealand ryegrass pastures

12:00 Canedoli C., Comolli R., Abu El Khair D., Ferrè C., Padoa-Schioppa E. - Valuation of ecosystem services in an alpine protected area: the case study of the Gran Paradiso National Park

12:15 De Marco A., Panico S.C., Ceccherini M.T., Memoli V., Maisto G., Pietramellara G., Barile R.
- Effects of wildfire on soil properties and microbial community in Mediterranean area

14:45 – 16:00 Sessione 2 – Capitale Naturale ed Ecosistemi terrestri (Chairman: G. Maisto e F. Manes)

14:45 Fattorini S. - The concept of natural capital as a practical tool for biodiversity conservation in urban areas

15:00 Incerti G., Maisto G., De Marco A., Cesarano G., Zotti M., Mazzei P., Libralato G., Staropoli A., Siciliano A., De Filippis F., La Storia A., Piccolo A., Vinale F., Crasto A., Guida M., Ercolini D., Bonanomi G. - Nitrogen availability and soil microbiome control cigarette butt decomposition

15:15 Innangi M., Danise T., Stefania D., Fioretto A. - Chemical and biological variations in soils along a land-use gradient

15:30 Isaia M. e Mammola S. - Subterranean spiders are suitable models for ecological studies

15:45 Lizzi D. e Marchiol L. - Nano cerium oxide influences the growth of two spontaneous plant species

Aula D4

09:30 – 10:30 Sessione 1 – Capitale Naturale, Well-being e Stress Ecology (Chairman: L. Migliore e A. Finizio)

09:30 Liberatori G., Grassi G., Fiorati A., Faleri C., Protano G., Punta C., Corsi I. - An ecologically-based approach using marine mussels for testing the efficacy of nanostructured cellulose sponges for Zinc removal from seawater

09:45 Magni S., Della Torre C., Parenti C.C., de Carli A., Binelli A. - Occurrence and ecotoxicological effects of microplastics in the River Lambro (Northern Italy)

10:00 Marando F., Salvatori E., Sebastiani A., Fusaro L., Manes F. - Green Infrastructure for mitigating the Urban Heat Island in the Municipality of Rome (Italy): an Ecosystem Services perspective

10:15 Migliore L., Perini N., Thaller M.C., Mercuri F., Orlanducci S., Castiello D., Talarico V. - Purple spot biodeterioration on ancient parchments and red heat deterioration on Chrome(III) tanned leathers are triggered by the same pioneer organisms, the haloarchaea

12:00 – 13:30 Tavola rotonda LifeWatch sulle specie aliene. Coordinano Antonello Provenza (IGG-CNR), Giuseppe Corriero (UniBa), Alberto Basset (UniSalento)

14:45 – 16:00 Sessione 1 – Capitale Naturale, Well-being e Stress Ecology (Chairman: L. Migliore e A. Finizio)

14:45 Paganelli D., Lapi M., Occhipinti A. - Ecosystem vulnerability: the environmental factors that favour the invasion of alien species

15:00 Simonetti S., Giordano E., Bergami E., Corsi I. - Valutazione degli effetti di Imidacloprid sul sistema colinergico del gasteropode acquatico *Stagnicola fuscus*

- 15:15 Sturba L., Fattorini N., Liberatori G., Vannuccini M.L., Nannoni F., Protano G., Tursi A., Corsi I.** - Multi-model inference analysis of heavy metals body burden and biological responses of land snails *Cornu aspersum* caged close to an industrial setting 20
- 15:30 Terzaghi E., Cerabolini B.E.L., Di Guardo A.** - Tuning the role of forest ecosystem services in improving air quality: calibrating key ecological parameters in the SoilPlusVeg model
- 15:45 Valente D., Pasimeni M.R., Petrosillo I.** - Green infrastructures and urban well-being by linking natural and social capital

Aula D7

09:30 – 10:30 Sessione 4 – Capitale Naturale ed Ecosistemi lagunari e di transizione (Chairman: P. Franzoi e G. Castaldelli)

- 09:30 Bertolini C., Bouma T.J., Pastres R.** - Using filtration activity as an indicator for shellfish health in heterogeneous coastal systems
- 09:45 Ciotti M., Gjoni V., Shokri M., Cozzoli F., Basset A.** - Energetic constraints to colonisation of transitional water ecosystems by amphipods
- 10:00 Giari L., Lanzoni M., Gavioli A., Castaldelli G., Fano E.A.** - Environmental factors driving parasite community composition of European eel in the Comacchio lagoon
- 10:15 Magri M., Benelli S., Bondavalli C., Bodini A., Viaroli P., Bartoli M.** - Nitrogen dynamics in a Po River Delta lagoon: a new set of measurements to investigate changes in the last 20 years

11:30 – 13:00 Sessione 4 – Capitale Naturale ed Ecosistemi lagunari o di transizione (Chairman: P. Franzoi e G. Castaldelli)

- 11:30 Rova S., Müller F., Meire P., Pranovi F.** - Ecosystem services' mapping and modeling in the Venice lagoon: an analysis from a sustainability perspective
- 11:45 Santinelli V., Cassetti F., Tramati C.D., Apostolaki E.T., Mazzola A., Vizzini S.** - The role of transitional areas as blue carbon sinks: the case study of the Stagnone di Marsala (Italy)
- 12:00 Shokri M., Cozzoli F., Ciotti M., Gjoni V., Basset A.** - An allometric approach at potential scenarios of future coastal ecosystems
- 12:15 Signa G., Andolina C., Tomasello A., Noe S., Cassetti F.P., Aleo E.A., Tramati C.D., Savona A., Calvo S., Vizzini S.** - Seasonal dynamics of *Posidonia oceanica* beach-cast wracks in a Sicilian beach: an overlooked system for carbon dynamics
- 12:30 Lanzoni M., Milardi M., Gavioli A., Fano E.A., Castaldelli C.** - Marine and resident fish movements in a North Adriatic brackish lagoon

Giovedì 12 Settembre 2019

Aula E2

09:00 – 10:30 Sessione 3 - Capitale Naturale ed Ecosistemi marini ed oceanici (Chairman: A. Tursi e G. Sarà)

09:00 Maiorano P., Carbonara P., Capezzuto F., Bitetto I., Carlucci R., Zupa W., Sion L., D'Onghia G., Lembo G., Tursi A., Spedicato M.T. - Natural capital, habitats and fishery resources in the south-western Adriatic and north-western Ionian seas: cues for an ecosystem approach to marine resources management

09:15 Manea E., Bianchelli S., Fanelli E., Danovaro R., Gissi E. - Addressing ecological principles for the EB-MSP in the deep Mediterranean Sea

09:30 Mari L., Melià P., Gatto M., Casagrandi R. - A Mediterranean-wide metapopulation model for the seagrass *Posidonia oceanica*

09:45 Melià P., Maltempi M., Bevacqua D., De Leo G.A., Gatto M. - Oceanic factors affect the stock-recruitment relationship of the European eel

10:00 Menicagli V., Vallerini F., Castelli A., Lardicci C., Balestri E. - Impact of plastic litter on early growth stages of coastal dune plants

10:15 Mirasole A., Andolina C., Mazzola A., Vizzini S. - Living in a high CO₂ world: benefit or cost for coastal fish assemblages?

11:00 – 11:30 Relazione del Prof. Roberto Danovaro (SZN, UniPolitecnica Marche) su Capitale Naturale ed Ecosistemi marini ed oceanici

11:30 – 13:00 Sessione 3 - Capitale Naturale ed Ecosistemi marini ed oceanici (Chairman: A. Tursi e G. Sarà)

11:00 Montalbetti E., Saponari L., Montano S., Maggioni D., Dehnert I., Galli P., Seveso D. - New insights into the ecology and corallivory of *Culcita spp.* (Echinodermata: Asteroidea) in the Republic of Maldives

11:45 Pusceddu A., Mulas G., Porceddu R., Cau A., Moccia D., Spiga S. - Food addicted fish: impact of the invasive alien algae *Caulerpa cylindracea* Sonder on the central nervous system of *Diplodus sargus*

12:00 Saponari L., Fallati L., Montano S., Montalbetti E., Maggioni D., Dehnert I., Galli P., Seveso D. - Rate and pattern of movement of *Culcita sp.* (Echinodermata: Asteroidea) revealed by underwater photogrammetry

12:15 Sion L., Capezzuto F., Carlucci R., Carluccio A., Maiorano P., Tursi A., D'Onghia G. - Natural capital related to vulnerable and threatened species in the central Mediterranean: change in diversity and abundance and habitat influence on the elasmobranch community

12:30 Sporta Caputi S., Fiorentino F., Calizza E., Rossi L., Costantini M.L. - Sea-ice dynamics and food web structure in Antarctic shallow benthos

12:45 Toscano F., Alongi G., Conti E., Turnaturi R., Mulder C. - On the true values of our seas: environmental accounting in a marine protected area by means of emergy analysis

14:15 – 14:45 Presentazioni dei 5 poster partecipanti al premio Calamari-Gaggi:

D. Maggioni et al. - A mesophotic hotel: the octocoral *Bebryce grandicalyx* as a host

F. Milano et al. - Habitat suitability predicts individual performance and reproductive fitness in the alpine endemic spider *Vesubia jugorum* (Simon, 1881)

C. Parenti et al. - Uptake and effects of polystyrene nanoparticles on silkworm (*Bombyx mori*) larvae

E. Boscari et al. - Presence and origin of adult Adriatic sturgeons in the Po river basin 25 years after the first restocking

A. Romano et al. - Climate-driven convergent evolution of plumage colour in a cosmopolitan bird

14:45 – 15:30 Consegna dei premi Marchetti, Calamari-Gaggi, Giacomini e comunicazione dei destinatari delle Borse di partecipazione

Aula D5

09:00 – 10:30 Sessione 1 – Sottosessione “Ecologia del comportamento e stress ambientali” dedicata alla memoria del Prof. Saino (Chairman: R. Ambrosini e R. Casagrandi)

9:00 Ricordo del Prof. Saino

9:15 Ambrosini R., Costanzo A., Caprioli M., Rubolini D., Franzetti A., Gandolfi I. - Microbiome, immune function and survival of nestling and adult barn swallows

09:30 Casagrandi R., Ambrosini R., Pancerasa M. - First technical attempts to try unveiling the unknown about long-distance migration of barn swallows: from correlations on ring recoveries to machine learning on geolocator measurements

09:45 Conti E., Costa G., Mulder C. - How temperature stress reflects the behaviour of sit-and-wait Namibian spiders

10:00 Costanzo A., Ambrosini R., Caprioli M., Corti M., Parolini M., Romano A., Rubolini D. - Melanin-based plumage coloration and life-history in the barn swallow (*Hirundo rustica*)

10:15 De Pascalis F., Imperio S., Benvenuti A., Catoni C., Cecere J.G., Rubolini D. - Sex-specific foraging tactics are affected by wind conditions in a sexually-size dimorphic seabird

11:30 – 13:00 Sessione 1 – Sottosessione “Ecologia del comportamento e stress ambientali” dedicata alla memoria del Prof. Saino (Chairman: R. Ambrosini e R. Casagrandi)

11:30 Romano A., Ducouret P., Roulin A. - Elder barn owl nestlings flexibly redistribute parental food according to siblings' need or in return to allopreening

11:45 Russo D., Cistrone L., Ancillotto L., Jones G., Korine C. - Field experiments shed light on the effects of artificial illumination on bats

12:00 Secomandi S., Possenti C.D., Caprioli M., Rubolini D., Romano A., Parolini M. - Independent and combined effects of egg pro- and anti-oxidants on gull chick phenotype

12:15 Vallino C., Caprio E., Genco F., Chamberlain D., Palestini C., Roggero A., Bocca M., Rolando A. - Behavioural responses to human disturbance in birds of alpine ecosystems

12:30 Parolini M., Possenti C.D., De Felice B., Caprioli M., Romano A., Rubolini D. - Adverse effects induced by a maternally-transferred emerging contaminant to the yellow-legged gull (*Larus michahellis*)

Aula D6

09:00 – 10:30 **Sessione 2 – Capitale Naturale ed Ecosistemi terrestri** (Chairman: F. Rutigliano e M. Munafò)

09:00 Maisto G., Panico S.C., De Marco A., Santorufo L., Barile R., Memoli V. - Short-term effects of fires on properties of soils with different pre-existent plant covers

09:15 Mantoni C., Palusci E.A., Fattorini S. - Influence of fire on dung beetles in a pastured site in Central Apennines (Italy) and implications for ecosystem services maintenance after reforestation

09:30 Milano F., Mammola S., Isaia M. - Trends of bioclimatic suitability of water spiders in Italy: a conservation perspective

09:45 Monaci F. - Passive sampling of gaseous mercury: a tool for ecological risk assessment and contaminated land management

10:00 Munafò M., Assennato F., Cavalli A., Strollo A., Di Leginio M., d'Antona M., Falanga V. Dichicco P., Mariani L., Milano G. - Evaluation of Ecosystem Services in relation to land consumption

10:15 Padoa-Schioppa E. e Canedoli C. - Ecosystem services in National Parks: identifying suitable indicators

11:30 – 13:00 **Sessione 2 – Capitale Naturale ed Ecosistemi terrestri** (Chairman: F. Rutigliano e M. Munafò)

11:30 Pescatore T., Barra Caracciolo A., Rolando L., Ademollo N., Rauseo J., Spataro F., Grenni P., Patrolecco L. - Effects of the co-presence of the anionic surfactant sodium lauryl ether sulphate and pesticide chlorpyrifos on a natural soil microbial community

11:45 Petrosillo L. - Why "landscape services" is a more ecological attractive concept than "ecosystem services" for environmental management

12:00 Picariello E., Baath E., Baldantoni D., De Nicola F. - Microbial biomass and growth rate in three forest soils contaminated with PAHs

12:15 Rolando L., Grenni P., Rauseo J., Patrolecco L., Barra Caracciolo A. - Characterization of bacteria from a tunnelling construction site involved in sodium lauryl ether sulphate biodegradation

12:30 Santorufo L., Joimel S., Auclerc A., Rakoto A., Jules D., Gilles G., Bonfanti J., Nahmani J., Pernin C., Salmon S., Cortet J. - Early colonization of constructed Technosols by microarthropods

12:45 Sebastiani A., Marando F., Zulian G., Salvatori E., Fusaro L., Manes F. - Regulating Ecosystem Services: supply and demand for air quality improvement and local temperature mitigation in the Municipality of Rome

I poster saranno esposti e visionabili durante tutto il congresso