



1° Workshop SETAC ITALIAN LANGUAGE BRANCH

15 settembre 2022



Presidio San Francesco, aula Colonne



Università degli Studi di Siena
Piazza S. Francesco
Siena

Programma

15.15-15.25 Benvenuto del Presidente SETAC ILB, Silvia Casini

15.25-16.00 Presentazione del nuovo Council all'assemblea dei membri e discussione plenaria sulla programmazione attività future della branch

16.00-18.15 Presentazioni orali

In silico tools for the prediction of multiple properties and activities by QSAR

E. Papa, N. Chirico, L. Bertato, M. Evangelista

QSAR Research Unit in Environmental Chemistry and Ecotoxicology, Department of Theoretical and Applied Sciences, University of Insubria, Varese (Italy)

NATura NETwork Toscana – NAT.NE.T Project for the environmental contaminant assessment in cetaceans, sea turtles, and sharks.

Francesca Capanni¹, Guia Consales¹, Ilaria Ceciari¹, Lorenzo Minoia¹, Enrica Franchi¹, Cecilia Mancusi^{1,2}, Giuliana Terracciano³, Marco A. L. Zuffi⁴, Alessandra Neri^{1,5}, Chiara Caruso⁶, Laura Tonelli⁶, Lucia Venturi⁶

Giovanni Raimondi⁷, Fabrizio Cancelli⁸, Valeria Paoletti⁹, Sergio Ventrella¹, Valentina Menonna¹⁰, Letizia Marsili^{1,11}.

¹ Department of Physical Sciences, Earth and Environment, University of Siena; ² Environmental Protection Agency, Tuscany Region (ARPAT); ³ Istituto Zooprofilattico Sperimentale delle Regioni Lazio e Toscana, Sezione di Pisa; ⁴ Museum of Natural History, University of Pisa; ⁵ CIBM, Consortium for the Interuniversity Center of Marine Biology and Applied Ecology "G. Bacci"; ⁶ Ente Parco Regionale della Maremma; ⁷ Acquario di Livorno, Costa Edutainment S.p.A.; ⁸ Accademia dei Fisiocritici, Siena; ⁹ Associazione Elbamare Onlus; ¹⁰ Regione Toscana, Settore Tutela della Natura e del Mare; ¹¹ Centro Interuniversitario per la Ricerca sui Cetacei (CIRCE), Siena.

Application of a battery of bioassays within the assessment procedure for the ecotoxicological impact of environmental pharmaceuticals

M. Panni, M. Mezzelani, G. d'Errico, M. Benedetti, S. Gorbi, F. Regoli

Department of Life and Environmental Sciences, Polytechnic University of Marche, Ancona, Italy

Molecular modeling and docking simulation with fish β_2 adrenergic receptors and the β -blocker propranolol: new insights to disclose molecular initiating events in Adverse Outcome Pathway of emerging pollutants

D. DeSantis, E. Fabbri, P. Martelli, S. Franzellitti

Dept. of Biological, Geological and Environmental Sciences (BiGeA), University of Bologna, Ravenna (Italy)

Species-Specific Activation of Human and Zebrafish Nuclear Receptors

A. Toso, C. Garoche, A. Boulahtouf, M. Grimaldi, A. Escande, P. Balaguer

Institut de Recherche en Cancérologie de Montpellier (IRCM), Inserm U1194, Université de Montpellier (France)

The use of the freshwater cnidarian *Hydra vulgaris* as a multifunctional model organism

G. Cesarini, S. Secco, M. Scalici

Department of Science, University Roma Tre, viale G. Marconi 446, 00146 Roma (Italy)

Assessment of the Biological Impact of Pharmaceutical Active Compounds in Aquatic Organisms

G. De Marco¹, S. Afsa², M. Galati¹, B. Billè¹, T. Cappello¹, H. ben Mansour², M. Maisano¹

¹Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina (Italy); ²Research Unit of Analysis and Process Applied to the Environment – APAE (UR17ES32) Higher Institute of Applied Sciences and Technology of Mahdia, University of Monastir (Tunisia).

Effects of antibiotics on structure and functioning of soil, rhizosphere and phyllosphere microbial communities

Grenni P.¹, Narciso A.^{1,2}, De Carolis C.^{1,3,4}, Visca A.¹, Garbini G.L.^{1,2}, Rolando L.¹, Mariani L.¹, Iannelli M.A.⁴, Frugis G.⁴, Barra Caracciolo A.¹

¹Istituto di Ricerca sulle Acque, Consiglio Nazionale delle Ricerche - (IRSA-CNR), SP 35d, Km 0,7 Montelibretti 00010, Roma (Italy);

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³Dipartimento di Biologia Ambientale, Sapienza Università di Roma, Via Cesare de Lollis 21, 00185, Roma (Italy); ⁴Istituto di Biologia e Biotecnologia Agraria, Consiglio Nazionale delle Ricerche - (IBBA-CNR), SP 35d, Km 0,7 Montelibretti 00010, Roma (Italy)

Comparison of chemical, physical and eco-toxicological characteristics of sludge, compost and manure

Giorgio Bertanza¹, Alessandro Abbà¹, Andrea Binelli², Sara Castiglioni³, Catarina Cruzeiro⁴, Camilla Della Torre², Marta Domini¹, Donatella Feretti⁵, Marco Fossati², Gianni Gilioli¹, Stefano Magni², Giovanna Mazzoleni⁶, Michele Menghini⁷, Roberta Pedrazzani⁷, Giulia Salmoiraghi³, Silvia Schiarea³, Peter Schroeder⁴, Anna Simonetto¹, Nathalie Steimberg⁶, Vera Ventura¹, Ilaria Zerbini⁵

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Biosciences, Faculty of Science and Technology, University of Milan (Italy); ³Mario Negri Institute for Pharmacological Research;

⁴Helmholtz Center Munich German Research Centre for Environmental Health, Munich (Germany); ⁵Department of Medical and

Surgical Specialities, Radiological Sciences and Public Health Medicine, University of Brescia (Italy); ⁶Department of Clinical and

Experimental Sciences, University of Brescia (Italy); ⁷Department of Mechanical and Industrial Engineering, University of Brescia (Italy)

Ecotoxicological effects of environmental contaminants in the key pollinator species *Apis mellifera*

Ilaria Caliani¹, Agata di Noi², Tommaso Campani¹, Silvia Casini¹

¹Department of Physical, Earth and Environmental Sciences, University of Siena, 53100 Siena (Italy); ²Department of Life Science, University of Siena, 53100 Siena (Italy)

Ecological risk assessment of emerging contaminants and interactions with global changes scenarios

Silvia Simonetti¹, Emma Ferrari¹, Arianna Bellingeri¹, Elisa Bergami², Ilaria Corsi¹

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²Department of Life Sciences, Università degli Studi di Modena e Reggio Emilia, 41125 Modena (Italy)

Marine litter and mediterranean biodiversity: projects and experience

Cristina Panti, Matteo Baini, Matteo Galli, Dario Giani, Giacomo Limonta, Ilaria Caliani, Tommaso Campani, Silvia Casini, Margherita Concato, Maria Cristina Fossi

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18.15- 18.30 Discussione finale e chiusura dei lavori

Non è prevista alcuna quota di partecipazione , l'evento è completamente gratuito. Per ulteriori informazioni è possibile contattare Silvia Casini al 3407562884