

SCIENTIFIC PROGRAMME

TUESDAY - SEPTEMBER 11TH

From 19:00 WELCOME PARTY @ Mercato delle Erbe Via Ugo Bassi 23/25 Bologna

WEDNESDAY - SEPTEMBER 12TH

08:00-09:00 Symposium Registration

OPENING CEREMONY

09:00-10:00 Greetings from the authorities and representatives of the organizing associations

10:00-11:00
Invited lecture on relevant topics MUTUAL INTERACTION BETWEEN MICROBIOMES AND POLLUTION STRESS
Marco Candela - *University of Bologna* & Sara Borin - *University of Milan, IT*

11:00-11:30 *Coffee break*

FOOD SESSION

11:30-12:00
Invited lecture LABEL-FREE IMPEDIMETRIC SENSOR FOR CARBAMIC AND ORGANOPHOSPHOROUS PESTICIDES IN FOOD SAMPLES
Roberto Pilloton – *Vice president of IAEAC, Istituto di Cristallografia CNR, Roma, IT*

12:00-12:20
Food-O1 ORGANIC FOOD AND PESTICIDE RESIDUES IN BRAZIL
Ciscato C.H.P., Barbosa C.M., Monteiro S.H., Dini Staliano C., Bertoni Gebara A.

12:20-12:40
Food-O2 TOXICITY, PERSISTENCE AND DEGRADATION OF PESTICIDES USED IN GREENHOUSES FARMING IN ZIBAN, BISKRA (ALGERIA)
Soudani N., Belhamra M.

12:40-13:00
Food-O3 LC-MS/MS ASSESSMENT OF FIPRONIL RESIDUES IN CHICKEN EGGS AND FEATHERS
Angioni A., Atzei A., Lai C., Pes G., Cossu E., Russo M.T.

13:00-13:20
Food-O4 REMOVAL OF SOME PESTICIDE RESIDUES FROM CAPIA PEPPERS BY USING DIFFERENT WASHING TREATMENTS
Polat B., Tiryaki O.

13:20-14:20 *Lunch*

ENVIRONMENT SESSION

14:20-14:50
Invited lecture PHOTOCHEMICAL DEGRADATION OF SELECTED ORGANIC MICRO-POLLUTANTS IN WATER AND SOIL MATRICES: KINETICS, MECHANISTIC AND TOXICITY ASPECTS
Ioannis Konstantinou - *University of Ioannina, GR*

14:50-15:10
Env-O1 SCREENING OF ENVIRONMENTAL CONTAMINANTS IN HONEYBEES AND BEESWAX USING GAS CHROMATOGRAPHY-HIGH RESOLUTION MASS SPECTROMETRY
Gómez-Ramos M.d.M., Fernández-Alba A.R., Hernando M.D.

15:10-15:30
Env-O2 ATMOSPHERIC HETEROGENEOUS REACTIVITY OF PESTICIDES WITH O₃, ·OH AND NO₃· RADICALS
Mattei C., Quivet E., Wortham H.

15:30-15:50
Env-O3 MULTI-RESIDUE ANALYSIS OF PESTICIDES AND PHARMACEUTICALS IN

SEDIMENTS USING LC-ORBITRAP HRAMS

Nannou C., Boti V., Albanis T.

15:50-16:10
Env-O4

PLANT GROWTH PROMOTING BACTERIA: A PROMISING TOOL IN PHYTODEPURATION OR A RISK FOR ANTIBIOTIC RESISTANCE SPREAD?
Riva V., Mapelli F., Choukr-Allah R., Rashed A., Borin S.

16:10-17:10 *Coffee break & POSTER SESSION*

THURSDAY - SEPTEMBER 13TH

09:00-9:30

*Invited lecture
on relevant
topics*

ANTIBIOTICS AND ANTIMICROBIAL RESISTANCE: CAUSES AND POSSIBLE SOLUTIONS

Paolo Trevisi - *University of Bologna, IT*

BIO-BASED DEFENSE SESSION

09:30-10:00

Invited lecture

NATURAL CROPPING SYSTEM BASED ON BRASSICALES BIOMASSES IN PLANT MANAGEMENT AND DEFENCE

Luca Lazzeri - *CRA-CI Bologna, IT*

10:00-10:20

Bio-O1

BOTANICAL NEMATOCIDES: PROSPECTS FOR DEVELOPMENT AND IMPLEMENTATION

Ntalli N., Menkissoglu-Spiroudi U.

10:20-10:40

Bio-O2

USAGE OF *Solanum nigrum* EXTRACT AS A FACTOR INCREASING THE TOXICITY OF INSECTICIDE FENITROTHION USED AGAINST *Tenebrio molitor*
Spochacz M., Chowański S., Szymczak M., Ratajczak M., Glama M., Adamski Z.

10:40-11:00

Bio-O3

EFFECT OF *Cynaria cardunculus* ALLELOPATHIC ACTIVITY ON SOIL WEED SEED BANK AND EUBACTERIAL COMMUNITIES
Abbate C., Scavo A., Fontanazza S., Restuccia A., Mauromicale G.

11:00-11:30

Coffee break

MITIGATION/REMEDICATION SESSION

11:30-12:00

Invited lecture

A REFLECTION ON THE SULFATE RADICAL-BASED DEGRADATION OF ORGANIC MICROPOLLUTANTS

Jean-Marc Chovelon – *Ircelyon, Université Claude Bernard Lyon 1, FR*

12:00-12:20

Rem-O1

DIAZEPAM DEGRADATION USING SOLAR PHOTOCATALYSIS

Scrano L., Lelario F., Montinaro L., Sulaiman L., Karaman R., Bufo S.A.

12:20-12:40

Rem-O2

HETEROGENEOUS SODIUM DECATUNGSTATE CATALYSTS FOR CONTAMINANTS DEGRADATION IN AQUEOUS MATRIX

Pasti L., Stevanin C., Chenet T., Molinari A.

12:40-13:00

Rem-O3

MONITORING OF ORGANIC MICRO-POLLUTANTS IN SLUDGE AND CATTLE MANURE ON A NOVEL TREATMENT PROCESS (STO3RE) TO MINIMIZE THEIR CONCENTRATION

Rambla-Nebot F.J., Aranda-Mares J.L., Zurriaga-Agusti E.

13:00-13:20

Rem-O4

REDUCING GLYPHOSATE AND AMPA LOSSES FROM A NON-TILLED FIELD USING VEGETATIVE BUFFER STRIPS

L. Carretta, A. Cardinali, G. Zanin, R. Masin

13:20-14:20

Lunch

ANALYTICS SESSION

14:20-14:50 <i>Invited lecture</i>	CONCENTRATION LEVELS OF PHARMACEUTICALS AND THEIR METABOLITES IN SURFACE AND WASTEWATER BY USING LIQUID CHROMATOGRAPHY COUPLED TO HIGH-RESOLUTION-ORBITRAP MASS SPECTROMETRY Triantaphyllos Albanis – <i>President of ENEAC, University of Ioannina, GR</i>
14:50-15:10 An-O1	FULLY AUTOMATED DETERMINATION OF 3-MCPD AND GLYCIDOL IN EDIBLE OILS BY GC/MS BASED ON THE COMMONLY USED METHODS ISO 18363-1, AOCS CD 29C-13, AND DGF C-VI 18 Dominik L., A. Hoffmann, C. Gil, A. Carretta
15:10-15:30 An-O2	VALIDATION AND DETERMINATION AND OF GLIPHOSATE AND AMPA IN WATER M. Agarski, G. Vuković, V. Bursić, B. Špirović Trifunović, M. Mezei, D. Marinković, A. Petrović
15:30-15:50 An-O3	THE PESTICIDE EXPLORER COLLECTION™-FAST SCREENING AND QUANTITATION OF PESTICIDE RESIDUES USING A COMPREHENSIVE LC-MS SOLUTION D'Addona D., Sales S., Godula M.
15:50-16:10 An-O4	ANALYTICAL METHODOLOGY FOR THE DETERMINATION OF ANTIDEPRESSANTS AND ANTIPSYCHOTICS IN HUMAN HAIR BY LC-HYBRID LTQ ORBITRAP MS Trantopoulos E., Boti V., Albanis T.
16:10-17:00	<i>Coffee break & POSTER SESSION</i>
POPs SESSION	
17:00-17:30 <i>Invited lecture</i>	APPLICATION OF IMMUNOCHEMICAL TECHNIQUES TO PESTICIDE ANALYSIS IN FOOD AND THE ENVIRONMENT: SEARCHING FOR DDT RESIDUES IN MEDITERRANEAN HONEY Angel Montoya - <i>Universitat Politècnica de València, ES</i>
17:30-18:00 <i>Invited lecture</i>	PESTICIDE BIOPURIFICATION SYSTEMS: MOVING FROM ON-FARM TO OFF-FARM ACTIVITIES Dimitrios Karpouzas - <i>University of Thessaly, GR</i>
From 20:00	GALA DINNER @ Palazzo De Toschi Piazza Minghetti, 4 Bologna
FRIDAY, SEPTEMBER 14TH	
EMERGING CONTAMINANTS SESSION	
09:00-9:30 <i>Invited lecture</i>	FATE OF Cr(III) DURING OZONATION OF SECONDARY MUNICIPAL WASTEWATER EFFLUENT Ioannis A. Katsoyiannis - <i>Aristotle University of Thessaloniki, GR</i>
9:30-9:50 EC-O1	HIGH RESOLUTION ACCURATE MASS SPECTROMETRY USING SEQUENTIAL MASS WINDOW DATA ACQUISITION FOR IDENTIFICATION OF EMERGING MIGRANTS IN BABY FOOD PACKAGING Fernández-Alba A.R., Bauer A., Jesús F., Gómez Ramos M.J., Lozano A.
9:50-10:10 EC-O2	MIGRATION OF MINERAL OIL HYDROCARBONS FROM CELLULOSE-BASED PACKAGING TO FOOD: BARRIER vs SORBENT MATERIALS Braschi I., Bisio C., Zacccone C., Marchese L.
10:10-10:30 EC-O3	PHOTODEGRADATION BEHAVIOUR OF MULTICLASS UV FILTERS IN THE AQUATIC ENVIRONMENT: REMOVAL STRATEGIES, KINETIC APPROACH

	AND PHOTOPRODUCT IDENTIFICATION BY LC-QTOF-HRMS T. Dagnac, R. Facorro, M. Celeiro, M. Llompарт
10:30-10:50 EC-O4	INFLUENCE OF THE TEXTURAL PROPERTIES OF SILICA-BASED MATERIALS ON THE ADSORPTION PROPERTIES OF TOLUENE D.F. Olivás Olivera, G. Gatti, I. Braschi, L. Marchese, C. Bisio
10:50-11:20	<i>Coffee break</i>
MODELLING SESSION	
11:20-11:50 <i>Invited lecture</i>	MODELING vs 5G Matteo Balderacchi - <i>Independent Consultant, IT</i>
11:50-12:10 Mod-O1	TEN YEARS OF PESTICIDE MULTİRESİDUE ANALYSIS IN ITALIAN FRUIT AND VEGETABLES AT PRE-HARVEST: MANAGING AND INTERPRETING A BIG DATA Blasioli S., Di Prodi K., Boni R., Braschi I.
12:10-12:30 Mod-O2	OCCURRENCE AND SPATIO-TEMPORAL DISTRIBUTİON OF PESTİCİDES İN SURFACE AND GROUNDWATER OF ABOU ALİ RİVER - NORTHERN LEBANON Jabaly Y., Millet M., Elhoz M.
12:30-13:30	<i>Lunch</i>
RISK MANAGEMENT SESSION	
13:30-14:00 <i>Invited lecture</i>	DEFINING PROTECTION GOALS: THE ROLE OF RISK MANAGERS AND SCIENTISTS Aaldrik Tiktak - <i>PBL Netherlands Environmental Assessment Agency, NL</i>
14:00-14:20 Risk-O1	RISK MANAGEMENT FOR PARTICULAR CATEGORIES OF PESTICIDES: THE CASE STUDY OF THE FUMIGANT 1,3D R. Bradascio, A. Alix, E. Tescari
14:20-14:40 Risk-O2	İMİDACLOPRİD İNTENSİFİES İTS İMPACT ON HONEYBEE AND BUMBLEBEE CELLULAR İMMUNE RESPONSE WHEN CHALLENGED WİTH LPS (LİPOPOLYSACCHARİDE) OF ESCHERİCHİA COLİ Walderdorff L., Laval-Gilly P., Bonnefoy A., Falla-Angel J.
14:40-15:00 Risk-O3	PHOTOCHEMICAL BEHAVIOUR OF THE ACTIVE SUBSTANCE SETHOXYDIM AND ITS FORMULATION. ECOTOXICITY AND QSAR STUDY OF BY- PRODUCTS Sandín-España P., Sevilla-Morán B., Villaverde J.J., Santín-Montanyá I., Cervantes Diaz-Toledo A., Alonso-Prados J.L.
15:00-15:20 Risk-O4	EXPOPESTEN: EXPOSURE ASSESSMENT OF THE WALLOON POPULATION TO PESTİCİDES İN AİR A. Delvaux, A. Giusti, L. Champon, A. Galloy, V. Maassen, G. Gérard, S. Mahiat, O. Pigeon, S. Remy
15.20-16:00	<i>Coffee break & POSTER SESSION</i>
16:00-17:30	AWARDS & CLOSING CEREMONY