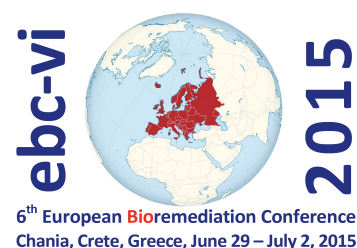


Conference Programme



REGISTRATION DESK IS OPEN:

Sunday afternoon (June 28):	17:00 – 20:00
Monday and Tuesday (June 29-30):	08:00 – 13:00 & 17:00 – 20:30
Wednesday and Thursday (July 1-2):	08:00 – 13:30

SUNDAY, JUNE 28TH, 2015

20:00 - 22:00 Ice-breaker & Welcome Party at Conference Venue (Minoa Palace Hotel, next to the main pool)

MONDAY, JUNE 29TH, 2015

09:00 - 09:30	Opening Ceremony – ROOM A
	N. Kalogerakis, F. Fava, Conference co-Chairs N. Kalogeris, Region of Crete N. Nikolaidis, Vice-President Research, Technical Univ. of Crete
09:30 - 10:30	Plenary Lecture 1 – ROOM A Chairpersons: Nicolas Kalogerakis & Fabio Fava
ID 275	LNAPL SOURCE ZONE NATURAL ATTENUATION – WHAT POTENTIAL FOR SIMPLE AEROBIC ENHANCEMENT? Colin D. Johnston, Greg B. Davis, Michael G. Trefry and Bradley M. Patterson CSIRO, Australia
10:30 - 11:00	Coffee break & Poster Viewing (Section A)
11:00 - 13:00	SESSION - 1A: BIOCLEAR CONFERENCE - LITTER PREVENTION, PLASTICS BIODEGRADATION AND BIOPLASTICS – ROOM A Chairpersons: Bruno De Wilde & Fabio Fava
ID 163	BIOCLEAR, NEW APPROACHES FOR BIODEGRADING AND PROMOTING THE ENVIRONMENTAL BIOTRANSFORMATION OF OIL-DERIVED PLASTICS Fabio Fava on behalf of all BIOCLEAR project partners
ID 366	ISOLATION AND SCREENING OF PLASTIC-DEGRADING MICROORGANISMS Boris A. Kolvenbach and Philippe F.X. Corvini
ID 257	RECALCITRANT PLASTICS: A PRE-TREATMENT STRATEGY TO IMPROVE THEIR BIOASSIMILATION Vincent Verney, Yannick Bras, Florence Jestin, Sophie Commereuc, Nasrin Tavanaie, Boris Kolvenbach,

ID 398	Philippe Corvini, Geoffrey Perchet, Julie Barriere and Julien Troquet LARGE SCALE BIOLOGICAL PROCESS DEVELOPMENT IN SUBMERGED AND SOLID PHASE FOR DEGRADATION OF PLASTICS
	<u>Cenek Novotny</u> , University of Ostrava (Czech Republic), University of Bologna (Italy), Fachhochschule Nordwestschweiz (Switzerland), Helmholtz-Zentrum für Umweltforschung GmbH (Germany)
ID 170	BIODEGRADATION OF VARIOUS POLYMERS IN VARIOUS ENVIRONMENTS: HOW TO MEASURE AND INTERPRETE CORRECTLY
	<u>Bruno De Wilde</u> , Steven Verstichel and Sam Deconinck
ID 355	BIOCLEAN SUPPORT TO THE MARINE STRATEGY FRAMEWORK DIRECTIVE
ID 122	Sotiris Kyparissis, Ekaterini Karkanorachaki, G. Calypso Kalogerakis, Elisavet I. Triantafyllidi, Evangelia Yiantzi, Alexandros D. Gotsis, Eleftheria Psillakis and <u>Nicolas Kalogerakis</u> MINERALIZATION OF ¹⁴C-LABELLED POLYSTYRENE BY PENICILLIUM VARIABLE AFTER OZONATION PRE-TREATMENT
	Lili Tian, Boris Kolvenbach, Nora Corvini, Songfeng Wang, Nasrin Tavanaie, Lianhong Wang, <u>Rong Ji</u> and Philippe Corvini
11:00 - 13:00 SESSION - 1B: CONSTRUCTED WETLANDS FOR EMERGING COMPOUNDS, PHARMACEUTICALS & PRIORITY POLLUTANTS – ROOM B Chairpersons: Hermann J. Heipieper & Eugenia J. Olguín	
ID 254 Keynote	BIODEGRADATION OF ORGANIC POLLUTANTS IN PLANTED SYSTEMS. THE RHIZOSPHERIC EFFECT
	Vanessa Lünsmann, Uwe Kappelmeyer, Jochen A. Müller, Paula M. Martínez-Lavanchy, Nico Jehmlich and <u>Hermann J. Heipieper</u>
ID 262	ANTIBIOTIC RESISTANCE AND MICROBIAL INDICATOR REMOVALS IN A CONSTRUCTED WETLAND TREATING WASTEWATER FOR AGRICULTURAL REUSE
	Maria Laura Luprano, <u>Caterina Levantesi</u> , Cinzia L. Randazzo, Nunziatina Russo, Cinzia Caggia, Alessia Marzo and Attilio Toscano
ID 359	THE ROLE OF <i>J. ACUTUS</i> HALOPHYTE FOR THE REMEDIATION OF MIXED CONTAMINATION IN A HYDROPONIC GREENHOUSE EXPERIMENT
ID 358	Stavros Christofilopoulos, Evdokia Syranidou, Georgia Gkavrou and Nikolas Kalogerakis EFFICIENCY OF A CONSTRUCTED WETLANDS SYSTEM FOR WASTEWATER TREATMENT: REMOVAL OF BACTERIAL INDICATORS AND ENTERIC VIRUSES
ID 203	<u>Andreas Kaliakatsos</u> , Danae Venieri, Thrassyvoulos Manios and Nicolas Kalogerakis EVALUATION OF THE PERFORMANCE OF FLOATING WETLANDS TREATING WATER FROM A POLLUTED URBAN LAKE AT SEMI-PILOT LEVEL
	<u>Eugenia J. Olguín</u> , Tahiti Márquez-Sagrero, Ricardo E. González-Portela and Victor J. Hernández-Landa
11:00 -13:00 SESSION – 1C: BIOREMEDIATION OF SITES CONTAMINATED WITH CRUDE OIL, PETROCHEMICALS AND PAHs – ROOM C Chairpersons: Colin D. Johnston & Kerstin Scherr	
ID 127	SAPONINS FROM <i>SAPONARIA OFFICINALIS</i> – FROM ISOLATION TO APPLICATION IN BIODEGRADATION PROCESS
ID 148	Wojciech Smulek, Amanda Pacholak, Agata Zdarta and Ewa Kaczorek BIOREMEDIATION OF SOIL AND GROUNDWATER AT A DIESEL CONTAMINATED SITE – MONITORING BY HELIUM AND ¹³C
ID 150	<u>Thomas G. Reichenauer</u> , Bernhard Wimmer, Paul Kinner and Andrea Watzinger BIODEGRADATION OF POLYCYCLIC AROMATIC HYDROCARBONS IN MICROCOSMS BY BACTERIA ISOLATED FROM OIL CONTAMINATED SITE
ID 179	<u>David Tirado-Torres</u> , Otilio Acevedo-Sandoval, Claudia Romo-Gómez, Yolanda Marmolejo-Santillán and Martha Gayosso-Canales INSOLUBLE Mn(IV)-DEPENDENT BIODEGRADATION OF SUBSTITUTED AND ALKYLATED PAH USING EXTRACELLULAR ELECTRON SHUTTLES
ID 270	<u>Kerstin Scherr</u> and Manfred Nahold FUNDAMENTAL DIFFERENCES IN PAH BIOACCESSIBILITY IN SPIKED AND AGED SOILS COMPARED TO HISTORICALLY CONTAMINATED SOILS
ID 252	<u>Andreas P. Loibner</u> , Kerstin E. Scherr, Stefan Humel, Eva Edelmann, Dietmar Kopp and Philipp Mayer SIMULATION OF BIOREMEDIATION OPTIONS BY MICROBIAL DEGRADATION OF AGED PAH CONTAMINATION IN SOILS
ID 333	Arno Rein, Stefan Trapp, Iris K. U. Adam, Anja Miltner, Kilian Smith, Geoffrey Marchal, Ulrich Gosewinkler Karlson, Philipp Mayer and <u>Matthias Kästner</u> NATURALLY OCCURRING SEQUESTERING SORBENTS FOR CRUDE OIL REMOVAL
	Blanka Vrchotová, Zuzana Kuncová, Kateřina Demnerová and Petr Kaštánek

13:00 - 14:00 LUNCH (Minoa Palace Hotel)

14:00 - 17:00 FREE TIME

17:00 - 18:00 Coffee break & Poster Viewing (SECTION A)

18:00 – 20:30		SESSION - 2A: BIOCLEAN CONFERENCE - LITTER PREVENTION, PLASTICS BIODEGRADATION AND BIOPLASTICS - ROOM A
		Chairpersons: Philippe Corvini & Gerhart Braunegg
ID 357	Keynote	PRODUCTION OF POLYHYDROXYALKANOATES FROM BIOWASTE AND AGRICULTURAL SURPLUS MATERIALS Gerhart Braunegg and Martin Koller
ID 255		INFLUENCE OF MOLECULAR PARAMETERS AND SAMPLE PREPARATION ONTO POLY(LACTIC ACID) COMPOSTING Vincent Verney, Audrey Ramoné, Florence Jestin, Sophie Commereuc, S. Pekařová, P. Stloukal, M. Koutny, G. Perchet and J. Troquet
ID 121		BIODEGRADATION OF POLYSTYRENE AND ITS ANALOGUE POLYSTYRENE SULFONATE BY FUNGI Martin C. Kruger, Andrea Prager, Bernd Abel and Dietmar Schlosser
ID 180		PLASTIC AND PLASTIC-RELATED MODEL COMPOUND DEGRADATION BY FUNGAL ENZYMES Martin Kluge, René Ullrich, Britta Bittner, Katrin Scheibner, Martin Hofrichter and Christiane Liers
ID 284		BIODEGRADATION OF POLYVINYLCHLORIDE BY ANAEROBIC CONSORTIA ENRICHED FROM DIFFERENT ENVIRONMENTS Noura Raddadi, Lucia Giacomucci, Michelina Soccio, Nadia Lotti and Fabio Fava
****		ROUND TABLE DISCUSSION (Moderators: Fabio Fava & Maria Reis)
18:00 – 20:30		SESSION - 2B: PHYTOREMEDIATION TECHNOLOGIES FOR DECONTAMINATION OF ORGANIC POLLUTANTS – ROOM B
		Chairpersons: Nele Weyens & Rong Ji
ID 114		PROMISCUOUS DISPERSAL OF BIODEGRADATION GENES: A KEY TO IMPROVE ENDOPHYTE-ENHANCED PHYTOREMEDIATION? Nele Weyens, Esteban Martínez-García, Víctor de Lorenzo and Jaco Vangronsveld
ID 232		TOLERANCE RESPONSES, PHYTOMETABOLISM AND PHYTOREMOVAL ACTIVITY IN LEMNA GIBBA L. PLANTS EXPOSED TO IBUPROFEN Daniela Di Baccio, Fabrizio Pietrini, Jaume Aceña, Sandra Pérez, Damia Barceló and Massimo Zacchini
ID 250		PETROLEUM HYDROCARBON DEGRADING AND PLANT GROWTH PROMOTING ENDOPHYTES TO EXPLOIT FOR BIO-AUGMENTED PHYTOREMEDIATION Panagiotis Gkorezis, François Rineau, Jonathan Van Hamme, Andrea Franzetti, Nele Weyens and Jaco Vangronsveld
ID 162		BIOREMEDIATION OF A PCB HISTORICALLY CONTAMINATED SOIL IN PRESENCE OF THE LEGUMINOUS <i>MEDICAGO SATIVA</i> Anna Barra Caracciolo, Paola Grenni, Martina Di Lenola, Valeria Ancona and Angelo Massacci
ID 175		PLANT ASSISTED BIOREMEDIATION OF A PCB HISTORICALLY CONTAMINATED AREA IN SOUTHERN ITALY Valeria Ancona, Anna Barra Caracciolo, Paola Grenni, Martina Di Lenola, Claudia Campanale, Vito Felice Uricchio, Giuseppe Mascolo and Angelo Massacci
ID 116		DOES DDE-EXPOSURE LEAD TO AN INCREASE IN DDE-DEGRADING ENDOPHYTES? A 454 PYROSEQUENCING AND FULL GENOME APPROACH Nele Eevers, Bram Beckers, Jonathan Van Hamme, Eric Bottos, Jason C. White, Nele Weyens and Jaco Vangronsveld
ID 147		IN-SITU BIOREMEDIATION OF SOILS CONTAMINATED WITH HEAVY METALS AND ORGANIC POLLUTANTS Hongyan Guo, Yuanyuan Sun, Jiahua Li, Lijing Ren and Rong Ji
ID 159		TRANSFORMATION AND PHYTOTOXICITY OF PBDE-47 AND ITS HYDROXYLATED AND METHOXYLATED ANALOGS IN MAIZE (<i>MEA MAYS</i> L.) Sen Wang, Xuehui Xu, Honglin Huang and Shuzhen Zhang
ID 213		DEGRADATION AND METABOLISM OF TETRABROMOBISPHENOL A (TBBPA) IN SUBMERGED SOIL AND SOIL-PLANT SYSTEMS Feifei Sun, Boris Alexander Kolvenbach, Peter Nastold, Bingqi Jiang, Yini Ma, Philippe Francois-Xavier Corvini and Rong Ji
ID 112		ROLE OF HYDROLYTIC AND ANTIOXIDATIVE ENZYMES IN PHYTOTRANSFORMATION OF PHORATE BY <i>PISUM SATIVUM</i> (L.) (SWEET PEA) Radha Rani and Asha Juwarkar
ID 360		EXPLOITATION OF ENDOPHYTIC BACTERIA IN ORDER TO FACILITATE THE PHYTOREMEDIATION POTENTIAL OF THE HALOPHYTE <i>JUNCUS ACUTUS</i> Evdokia Syranidou, Stavros Christofilopoulos, Georgia Gkavrou, Sofie Thjis, Nele Weyens, Jaco Vangronsveld and Nicolas Kalogerakis

18:00 – 19:30		SESSION - 2C-I: BIOREMEDIATION OF SITES CONTAMINATED WITH CRUDE OIL, PETROCHEMICALS AND PAHs – ROOM C Chairpersons: Ameer Cherif & Harrison Atagana
ID 212	MODULATING BACTERIAL MOTILITY TO IMPROVE BIOREMEDIATION OF PAHs	Celia Jimenez-Sanchez and Jose-Julio Ortega Calvo
ID 207	BIODEGRADATION OF NAPHTHENIC ACIDS BY <i>RHODOCOCCUS</i> SPP.	Alessandro Presentato, <u>Martina Cappelletti</u> , Stefano Fedi, Raymond J. Turner, Dora Melucci and Davide Zannoni
ID 279	APPROBATION OF NEW SUBCRITICAL WATER EXTRACTION METHOD OF BENZO[A]PYRENE FROM SOIL	Abdulmalik Batukaev, <u>Svetlana Sushkova</u> , Tatiana Minkina, Saglara Mandzhieva, Galina Vasilyeva and Ridvan Kizilkaya
ID 248	MICROBIAL DEGRADATION OF PETROLEUM HYDROCARBON BY INDIGENOUS AND SELECTED HYDROCARBONOCLASTIC BACTERIA FROM PETROLEUM CONTAMINATED SITES IN TUNISIA	<u>Mouna Mahjoubi</u> , Atef Jaouani, Simone Cappello, Sanny Santisi, Rim Chaouachi, Afef Najjari, Imen Mellouli, Marta Barbato, Francesca Mapelli, Sara Borin, Michail Yakimov and Ameer Cherif
ID 198	SUBSTRATE UTILIZATION AND GROWTH KINETICS OF ORGANISMS IN A CONSTRUCTED CONSORTIUM FOR BIODEGRADATION	Harrison I. Atagana
19:30 – 20:30		SESSION - 2C- II: EX-SITU BIOREMEDIATION OF CONTAMINATED SOILS, SLUDGES AND INDUSTRIAL WASTEWATERS – ROOM C Chairpersons: Maria Nikolopoulou & Shujuan Zhang
ID 326	ENHANCEMENT OF OILY SLUDGE BIOREMEDIATION THROUGH BIOAUGMENTATION TECHNIQUE: A CASE STUDY FOR THESSALONIKI'S OIL REFINERY IN GREECE	Dimitrios Leventos, Garifallia Machairidou, <u>Antonios Mountouris</u> , Zoi Nassiou, Stelios Papadopoulos, Efthimios Raptopoulos, Dimitrios Routsis and Christos Vatseris
ID 161	TREATMENT OF TNT CONTAMINATED SOIL WITH THE WHITE-ROT FUNGUS <i>PHANEROCHAETE VELUTINA</i>	<u>Festus Anasonye</u> , Erika Winqvist, Kari T. Steffen and Marja Tuomela
ID 115	THE REUSABILITY OF LACCASE MEDIATORS IN CYCLIC DECOLORIZATION OF ORGANIC DYES	Hua Yang, Zhihao Chen, Wenguang Huang and <u>Shujuan Zhang</u>
ID 129	GRAPHENE FACILITATED REMOVAL OF LABETALOL IN LACCASE-ABTS SYSTEM: EFFICIENCY, PATHWAYS AND MECHANISM	<u>Liang Mao</u> and Shipeng Dong

TUESDAY, JUNE 30TH, 2015	
8:30 - 9:15	Plenary Lecture 2 – ROOM A Chairpersons: Nicolas Kalogerakis & Fabio Fava
ID 350	BIOTECHNOLOGY IN HORIZON 2020 Carmen De Vicente Coll (European Commission, Brussels, Belgium)
9:15 - 10:45	SESSION - 3A: SPIROS AGATHOS SCIENTIFIC FAREWELL – ROOM A Chairpersons: Roberto De Philippis & Maria Gavrilescu
ID 135	ROLE OF BIOLOGICAL SOIL CRUSTS IN CO₂ FIXATION AND SOIL REHABILITATION IN DESERT ENVIRONMENTS Federico Rossi, Lanzhou Chen, Yongding Liu and <u>Roberto De Philippis</u>
ID 155	IMPACT OF FENTON-LIKE TREATMENT ON THE MICROBIAL COMMUNITY OF A SOIL CONTAMINATED BY PETROLEUM HYDROCARBONS Flavia Polli, Daniela Zingaretti, Renato Baciocchi, Silvia Crognale, Lorena Pesciaroli, Alessandro D'Annibale and <u>Maurizio Petruccioli</u>
ID 183	METAGENOMICS REVEALS HYDROCARBON DEGRADING MICROBES IN THE KOLUMBO VOLCANO AND SANTORINI CALDERA, GREECE Anastasis Oulas, Paraskevi N. Polymenakou, Rekha Seshadri, H.James Tripp, Manolis Mandalakis, A. David Paez-Espino, Amrita Pati, Patrick Chain, Paraskevi Nomikou, Steven Carey, Stephanos Kilias, Christos Christakis, Georgios Kotoulas, Antonios Magoulas, Natalia N. Ivanova and Nikos C. Kyrpides
ID 204	INTEGRATED VALORIZATION OF AGROINDUSTRIAL WASTE AND MACROPHYTES WITH PRODUCTION OF BIOFUELS AND MICROALGAE IN A BIOREFINERY <u>Eugenia J. Olguín</u> , Gloria Sánchez-Galván, Héctor Hernández-García, Oscar Monroy-Hermosillo, Anilú Mendoza, Paulina Carreón, Patricia Fuentes and Karla Tapia
ID 239	HEXAVALENT CHROMIUM REDUCTION FROM CONTAMINATED GROUNDWATER AND WASTEWATERS (CrEDUCTION) Dimitrios V. Vayenas, Manassis Mitrakas, Minas Yiangou and Gerasimos Lyberatos
9:15 - 10:45	SESSION – 3B: PHYTOREMEDIATION AND BIOREMEDIATION TECHNOLOGIES FOR REMOVAL OF HEAVY METALS – ROOM B Chairpersons: Alan Baker & Eleni Papazoglou
ID 343	REMOVAL OF EMERGING ORGANIC CONTAMINANTS IN A NOVEL HYBRID CONSTRUCTED WETLAND SYSTEM FOR WASTEWATER TREATMENT AND REUSE Cristina Ávila and <u>Joan García</u>
ID143	DESIGN AND EVOLUTION OF A TOOLBOX FOR PHYTOREMEDIATION STRATEGIES AT A MINING SITE: COUPLING ENDEMIC PLANTS AND BACTERIA NATIVE TO THE SPHALERITE AND GALENA MINE OF INGURTOSU, ITALY Anna Rosa Sprocati, Chiara Alisi, Valentina Pinto, Paola Marconi, Flavia Tasso, Patrizia Paganin, Ilaria Luongo, Giovanni De Giudici, Daniela Medas, Claudia Pusceddu, Francesca Langella, Katarzyna Turnau and Elena Tamburini
ID 221	BIOAUGMENTATION-ASSISTED PHYTOSTABILISATION OF ABANDONED MINES BY PLANT-GROWTH PROMOTER <i>SERRATIA</i> SP. <u>Elena Tamburini</u> , Giovanna Cappai, Simona Sergi, Claudio Ruggeri, Gianni Bacchetta, Giovanni De Giudici and Alessandra Carucci
ID 336	EXPLORING OPTIONS FOR APPLICATION OF PLANT-BASED TECHNOLOGIES ON METAL CONTAMINATED SOILS ON THE LAVREOTIKI PENINSULA (GREECE) <u>Eleni G. Papazoglou</u> , Jaco Vangronsveld, Anastasia Kondyli, Panayiotis Trigas and Konstantinos G. Serelis
ID 227	USE OF FUNGAL CHITOSAN FOR HEAVY METAL REMOVAL <u>Emanuela Galli</u>
ID 236	ISOLATION AND CHARACTERIZATION OF DARK-SEPTATE ENDOPHYTIC FUNGI: TOWARDS THEIR USE IN THE PHYTOMANAGEMENT OF METAL-CONTAMINATED SITES? Charlotte Berthelot, Julie Foulon, Michel Chalot, Thierry Béguiristain, Corinne Leyval and Damien Blaudez
9:15 - 10:45	SESSION – 3C: INNOVATIVE APPROACHES AND TOOLS FOR MONITORING AND BIOREMEDIATION OF EMERGING POLLUTANTS IN SOILS, SEDIMENTS AND GROUNDWATER – ROOM C Chairpersons: Jens Aamand & Pietro Lio'
ID 267	POTENTIALITIES OF BIOGENERATED IRON HYDROXIDES NANOPARTICLES IN ARSENIC WATER TREATMENT <u>Barbara Casentini</u> , Simona Rossetti, Gallo Michele and Franco Baldi
ID 149	INSIGHTS INTO THE SULFONAMIDE DEGRADING PROTEIN COMPLEX <u>Benjamin Ricken</u> , Cedric Leu, Andreas Bucher, Andrea Mariosi, Oliver Fellmann, Ricardo Adaixo, Hans-

ID 197	Peter Kohler, Andreas Schäffer, Philippe Corvini and Boris A. Kolvenbach
	HC-BIODEGRADATION MONITORING BY GEO-ELECTRICAL MEASUREMENTS AND CO₂ ANALYSES: FIELD IMPLEMENTATION
ID 311	Cécile Noel, Jean-Christophe Gourry, Jacques Deparis, Fabienne Battaglia-Brunet, Michaëla Blessing, Christophe Guimbaud and Ioannis Ignatiadis
	PHYTO-DEHYDRATION OF CONFINED SLUDGE: A SUSTAINABLE APPROACH TO REHABILITATE POLLUTED PONDS
ID 323	Dario Liberati, Paolo De Angelis, Paolo Sconocchia and Andrea Sconocchia
	INTRODUCTION OF SPECIFIC PESTICIDE-DEGRADING BACTERIA INTO WATERWORKS SAND FILTERS
	Jens Aamand, Lea Ellegaard-Jensen, Louise Feld and Christian N. Albers
10:45 – 11:15 Coffee break & Poster Viewing (Section A)	
11:15 – 12:00 SESSION - 4A-I: SPIROS AGATHOS SCIENTIFIC FAREWELL - ROOM A	
Chairpersons: Nicolas Kalogerakis & Philippe Corvini	
ID 314	REACTIVE DYES DECOLORIZATION BY LACCASES ISOENZYMES PRODUCED BY <i>P. SANGUINEUS</i> ISOLATED IN NORTHEAST MEXICO
	Michelle Salazar-López, Ana L. Parra-Guardado, Diana L. Cárdenas-Chávez and Roberto Parra
ID 351	MICROBIAL RESOURCES - A HUGE RESERVE FOR ENVIRONMENTAL BIOTECHNOLOGY
	<u>Evangelia Kapsanaki-Gotsi</u>
****	COMMENTS BY THE AUDIENCE, FINAL PRESENTATION (N. Kalogerakis)
12:00 - 13:15 SESSION - 4A-II: BLUE GROWTH: CONTAMINATION AFFECTING THE MARINE-TERRESTRIAL INTERFACE – ROOM A	
Chairpersons: Fabio Fava & Nikolaos Nikolaidis	
ID 410	NOVEL APPROACHES FOR ASSESSING CONTAMINANT FLUXES DURING FLASH FLOOD EVENTS
	<u>Nikolaos P. Nikolaidis</u> , Sofia Nerantzaki, Dionissios Efstathiou, Georgios Giannakis, Konstantia Moirogiorgou and Michalis Zervakis
ID 411	MICROPOLLUTANTS IN WASTEWATER TREATMENT PLANT EFFLUENTS
	<u>Philippe Corvini</u>
ID 440	IMPACT OF THE OIL INDUSTRY ON THE COASTAL ZONE
	<u>Danny Reible</u>
ID 413	SALTWATER INTRUSION RESEARCH: RECENT ADVANCES AND FUTURE NEEDS
	<u>George P. Karatzas</u> , Zoe Dokou and Emmanouel A. Varouchakis
ID 412	DETRIMENTAL EFFECTS OF URBAN CONSTRUCTION ON THE COASTAL ZONE
	<u>Costas Synolakis</u>
ID 414	BLUE MED INITIATIVE
	<u>Fabio Fava</u>
11:15 - 13:15 SESSION - 4B: PHYTOREMEDIATION AND BIOREMEDIATION TECHNOLOGIES FOR REMOVAL OF HEAVY METALS – ROOM B	
Chairpersons: Eleni Manousaki & Jaco Vangronsveld	
ID 260	EVALUATION METHODS ON EFFICIENCY OF PHYTOREMEDIATION FOR HEAVY METAL CONTAMINATED FARMLAND
	<u>Mei Lei</u> , Yilan Xing, Tongbin Chen, Xiaoyong Zhou, Xiaoming Wan and Jun Yang
ID 271	TRANSGENIC LINSEED (<i>LINUM USITATISSIMUM</i> L.) FOR PHYTOREMEDIATION
	<u>Magdalena Cvečková</u> , Miroslava Vrbová, Martina Větrovcová, Michaela Ludvíková and Miroslav Griga
ID 276	HEAVY METALS PHYTOREMEDIATION OF ESTUARINE SEDIMENTS BY COMMON REED THROUGH TWO BIOLOGICAL CYCLES
	<u>Diego Cicero-Fernández</u> , Manuel Peña-Fernández, Jose A. Expósito-Camargo and Blanca Antizar-Ladislao
ID 277	A SALIX UNDERSTORY STUDY REVEALS FACTORS AFFECTING METAL PARTITIONING AND FITNESS OF WILLOW CLONES IN POLLUTED SOILS
	<u>Matevž Likar</u> , Anja Hribernik, Irena Podgoršek, Nives Kugonič and <u>Marjana Regvar</u>
ID 305	ZINC AND CADMIUM EFFECT IN LETTUCE, PURSLANE AND GERANIUM: METAL TRANSFER COEFFICIENTS
	<u>Vasileios Antoniadis</u> , Sophia Papatheodorou and Efi Levizou
ID 242	POTENTIAL OF CASTOR BEAN (<i>RICINUS COMMUNIS</i> L.) FOR PHYTOREMEDIATION OF SOILS CONTAMINATED WITH HEAVY METALS
	<u>Violina Angelova</u>
ID 130	PLANT BIOINDICATOR FOR DETECTION OF LEAD (Pb) IN DRINKING WATER
	<u>Ing Chia Phang</u> and A. Majid Noraishah

11:15 - 13:15 SESSION - 4C: INNOVATIVE APPROACHES AND TOOLS FOR MONITORING AND BIOREMEDIATION OF EMERGING POLLUTANTS IN SOILS, SEDIMENTS AND GROUNDWATER - ROOM C	
Chairpersons: Korneel Rabaey & Xu-Xiang Zhang	
ID 146	DEGRADATION OF IBUPROFEN BY GRAM POSITIVE STRAIN B1 <u>Katarzyna Hupert-Kocurek</u> , Danuta Wojcieszynska, Sylwia Wilczyńska and Urszula Guzik
ID 200	BIODEGRADATION OF NOOTROPIC DRUGS: RITALINIC ACID AND PIRACETAM <u>Marta Wozniak</u> , Lukasz Chrzanowski, Monika Cvancarová, Philippe F. X. Corvini and Danuta Cichocka
ID 117	PRODUCTION, CHARACTERIZATION AND APPLICATION OF BIOSURFACTANTS <u>Olga Schreiberová</u> , Richard Ježdík, Irena Kolouchová and Jan Masák
ID 134	ENHANCEMENT OF THE BIOREMEDIATION OF MARINE SEDIMENTS CONTAMINATED BY OIL HYDROCARBONS WITH BIOGENIC SURFACTANTS <u>Antonella Rosato</u> , Martina Silvia Parisi, Giulio Zanaroli and Fabio Fava
ID 331	SCREENING 2,3-BUTANEDIOL AND 1,3-PROPANEDIOL PRODUCTION FROM NEWLY ISOLATED GLYCEROL-DEGRADING <i>BACILLUS</i> SPECIES <u>Domenico Davolos</u> , Antonella Di Battista, Daniele Salvatore Accardi, Alessandra Ricelli and Biancamaria Pietrangeli
ID 354	HUMIC ACID-LIKE SUBSTANCES SECRETION AS A RESPONSE OF <i>STREPTOMYCES</i> SP. TO UV-LIGHT ACTIVATED TITANIA/SILICA NANOSPHERES <u>Adrian Augustyniak</u> , Krzysztof Cendrowski, Paweł Nawrotek, Martyna Barylak and Ewa Mijowska
ID 434	BIOENERGY RESIDUES TO CLEAN UP PESTICIDE POLLUTION <u>Santanu Mukherjee</u> , Lutz Weihermüller and Wolfgang Tappe
ID 376	BIOELECTROCHEMICAL TREATMENT OF TOLUENE SELECTS SULFATE REDUCERS <u>Eleni Vaiopoulou</u> , Matteo Daghighio, Ana Suarez-Suarez, Ian Head, Andrea Franzetti and Korneel Rabaey
13:15 - 13:20 Group Picture (next to the lunch area)	
13:20 - 14:10 LUNCH (Minoa Palace Hotel)	
14:10 - 17:00 FREE TIME (Posters change time A to B)	
17:00 - 18:00 Coffee break & Poster Viewing (Section B)	
18:00 - 20:30 SESSION – 5A: FUTURE RESEARCH NEEDS IN ENVIRONMENTAL BIOTECHNOLOGY - ROOM A	
Carmen De Vicente Coll & Philippe Corvini	
ID 330	“ELECTRIFIED” INDUSTRIAL AND ENVIRONMENTAL BIOTECHNOLOGIES: NEW TRENDS AND OPPORTUNITIES IN THE FIELD OF MICROBIAL ELECTROCHEMICAL SYSTEMS <u>Federico Aulenta</u> , Carolina Cruz Viggí, Simona Rossetti, Marianna Villano and Mauro Majone
ID 334	MINING ENZYMES FROM UNTAPPED MARINE MICROBIAL BIODIVERSITY <u>Peter N Golyschin</u> and <u>Alexander Yakunin</u>
ID 339	ENVIRONMENTALLY SUSTAINABLE BIOTECHNOLOGICAL PROCESSES FROM THE EXPLOITATION OF MICROBIAL PHOTOSYNTHESIS <u>Roberto De Philippis</u>
ID 364	SUPRAMOLECULAR CHEMISTRY: APPLICATIONS TO (ENVIRONMENTAL) BIOTECHNOLOGY <u>Patrick Shahgaldian</u> , Philippe F.-X. Corvini, Negar Moridi, Sabine Sykora, Hansjörg Schützinger and M. Rita Correro
ID 365	THE MICROBIAL RESOURCE MANAGEMENT AT THE SOIL-WATER-ROOT INTERFACES FOR PLANT GROWTH PROMOTION UNDER DROUGHT <u>Daniele Daffonchio</u>
ID 439	TOWARDS A RESOURCE RESILIENT SOCIETY VIA THE TRIPLE HELIX CONCEPT AND THE POTENTIAL ROLE OF BIOTECHNOLOGY <u>Tom Hennebel</u> , Christina Meskers and Maurits Van Camp
****	ROUND TABLE DISCUSSION (Moderators: Carmen De Vicente Coll & Philippe Corvini)
18:00 - 20:30 SESSION -5B: INTEGRATED (BIO)CHEMICAL VALORIZATION OF AGRO-INDUSTRIAL BYPRODUCTS, EFFLUENTS, WASTES AND SURPLUS – ROOM B	
Chairpersons: Maurizio Petruccioli & Jian-Jiang Zhong	
ID 235	LORVER PROJECT: PRODUCTION CHAIN OF BIOMASS FOR INDUSTRIAL PURPOSES FROM FORMER SITES AND MATERIALS <u>Damien Blaudez</u> , Sophie Guimont, Apolline Auclerc, Rémi Baldo, Thierry Beguiristain, Charlotte Berthelot, Nicolas Brosse, Michel Chalot, Emmanuelle Depre, Laurent Didier, Guillaume Echevarria, Pierre Faure,

	Antoine Gerard, Lucas Gossiaux, Hélène Gueniot, Laurence Jeanmichel, Hugues Henry, Ali Kanso, Laurence Lacercat, Corinne Leyval, Guillaume Louchez, Riccardo Maione, Mélanie Malacarne, Jean-François Masfaraud, Guillaïn Mauviel, Fabien Mercier, Jean Louis Morel, Marie-Noëlle Pons, Noëlle Raoult, Frédéric Rees, Jérémy Rodrigues, Marie Rue, Christophe Schwartz, Geoffroy Sere, Catherine Sirguez, Thibault Sterckeman, Luc van den Bogaert, Quentin Vincent, Gabriel Wild and Marie-Odile Simonnot
ID 231	VALORISATION OF HEAVY METALS CONTAMINATED TOBACCO TROUGH SLOW PYROLYSIS AND STEAM ACTIVATION
ID 123	Lenia Gonsalvesh, Jan Yperman, Robert Carleer, Michel Mench, Rolf Herzig and <u>Jaco Vangronsveld</u>
ID 238	ENVIRONMENTAL PROTECTION AND BIOENERGY PRODUCTION FROM WASTE BIOMASS
	<u>Jian-Jiang Zhong</u>
ID 238	VOLATILE FATTY ACIDS PRODUCTION FROM CHEESE WHEY BY EMPLOYING A PACKED BED BIOREACTOR
	<u>Joana M. B. Domingos</u> , Gonzalo A. Martinez, Alberto Scoma, Lorenzo Bertin, Maria A. M. Reis and Fabio Fava
ID 273	PROCESSES FOR EX-SITU BIOREMEDIATION IN FISH CULTIVATION TO OBTAIN ADDED VALUE BY-PRODUCTS
	<u>José Osvaldo Beserra Carioca</u> , Francisco Sávio Macambira, Galdino de Souza, Herivanda Almeida and Natalia Aquino
ID 187	OPTIMISATION OF NUTRIENTS SUPPLY FOR SELECTING AN EFFICIENT PHA-PRODUCING MIXED CULTURE WITH FERMENTED CHEESE WHEY
	Catarina S.S. Oliveira, Ana M.O. Silva, Carlos E. Silva, Ana Gouveia, Gilda Carvalho and <u>Maria A.M. Reis</u>
ID 138	NOVEL UPGRADING OF LIGNIN FOR BIOREFINERY PURPOSES
	<u>Raffaele Saladino</u>
ID 282	FATE OF b-HCH IN A BIOPROCESS FOR THE PRODUCTION OF POLYHYDROXYALKANOATE FROM CHEESE WHEY
	<u>Francesco Valentino</u> , Carmela Riccardi, Donatella Pomata and Mauro Majone
ID 168	POSSIBILITY OF BIOREMEDIATION VOLATILE FATTY ACIDS FROM ORGANIC WASTE BY YEASTS
	<u>Irena Kolouchová</u> , Olga Schreiberová and Tomáš Řezanka
18:00 - 20:30	SESSION -5C: EXPLOITATION OF MICROBES FROM NON-CONVENTIONAL AND/OR CONTAMINATED HABITATS – ROOM C
	Chairpersons: Giulio Zanaroli & Katholiki Skopelitou
ID 287	OPTIMIZATION OF FERMENTATION CONDITIONS FOR BIOSURFACTANT PRODUCTION BY A DESERT ISOLATE <i>B. SUBTILIS</i> R39
	<u>Giulio Zanaroli</u> , Andrea Negroni, Miriam Baldini, Lucia Giacomucci, Noura Raddadi and Fabio Fava
ID 269	STRUCTURING EFFECTIVE MICROBIAL CONSORTIA FOR PAHs BIOREMEDIATION APPLICATIONS IN DIFFERENT ENVIRONMENTS
	<u>Katholiki Skopelitou</u> and Spiros N. Agathos
ID 348	SCREENING OF SOIL BACTERIA AS POTENTIAL AGENTS FOR DRUGS BIODEGRADATION: A CASE OF STUDY WITH CLOFIBRIC ACID
	Claudia Popa Ungureanu, <u>Lidia Favier</u> , Abdeltif Amrane and Gabriela Bahrim
ID 285	SELECTION OF BIOSURFACTANT-PRODUCING BACTERIA FROM HYDROCARBON-CONTAMINATED MARINE SEDIMENTS
	<u>Noura Raddadi</u> , Martina Silvia Parisi, Lucia Giacomucci and Fabio Fava
ID 272	BIOSURFACTANT PRODUCTION FOR BIOREMEDIATION THROUGH BIOAUGMENTATION: A NATIVE STRAIN CULTURE OPTIMIZATION
	<u>Franco Liporace</u> , Débora Conde Molina, Ana María Giulietti and Carla Quevedo
ID 290	ERT TO MONITOR THE BIOREMEDIATION OF HYDROCARBONS WITH <i>RHODOCOCCUS ERYTHROPOLIS</i> T902.1 AT A PILOT SCALE
	<u>Thibaut Masy</u> , David Caterina, Olivier Tromme, Benoit Lavigne, Philippe Thonart, Serge Hilgsmann and Frederic Nguyen
ID 300	CARBON DIOXIDE FIXATION COUPLED TO COD OXIDATION IN A MICROBIAL ELECTROLYSIS CELL
	<u>Marco Zeppilli</u> , Ilaria Ceccarelli, Marianna Villano and Mauro Majone
ID 349	INTEGRATED BIO-TECHNOLOGICAL SYSTEM TO THE TREATMENT OF SALINE OILY WASTE ORIGINATED FROM MARINE TRANSPORTATION
	<u>Simone Cappello</u> , Giuseppe Mancini, Antonella Luciano, Michele Torregrossa, Claudia Morici, Santina Santisi, Renata Denaro, Maria Genovese, Francesca Crisafi, Michele Panzica and Michail M. Yakimov
ID 157	BIOFILTER OF <i>BACILLUS MEGATERIUM</i> VITSDPJ IMMOBILIZED ON COIR PITH BEADS FOR BENZENE REMOVAL
	<u>Rujira Dolphen</u> and Paitip Thiravetyan

WEDNESDAY, JULY 1 ST , 2015	
8:30 - 9:15	Plenary Lecture 3 – ROOM A Session Chairpersons: Nicolas Kalogerakis & Fabio Fava
ID 406	DEEPWATER HORIZON OIL SPILL: DO MICROBIAL COMMUNITIES AT OTHER DEEP WATER DRILLING SITES AROUND THE WORLD RESPOND THE SAME? Terry C. Hazen (Univ. of Tennessee/ORNL, USA)
9:15- 10:45	SESSION – 6A: IN-SITU BIOREMEDIATION OF CONTAMINATED SOIL AND GROUNDWATER - ROOM A Chairpersons: Andreas Loibner & Tomas Macek
ID 299	TARGETED ENHANCEMENT OF MICROBIAL POLLUTANT DEGRADATION DURING AEROBIC <i>IN SITU</i> TREATMENT OF A HYDROCARBON SPILL – A FIELD STUDY Björn Tobias Bogolte, Robert Philipp and Andreas P. Loibner
ID 195	MICROBIAL CENOSSES AND COMPARISON OF DIFFERENT BIOREMEDIATION PROTOCOLS IN A WILDFIRE-IMPACTED FOREST SOIL M. Andreolli, S. Lampis, L. Brignoli and G. Vallini
ID 209	DEGRADATION OF ANILINE AND ITS DERIVATIVES BY AN INTEGRATED APPROACH: ISCO AND BIOSPARGING Giovanni Porto, Francesca Oltolini, Marcello Carboni and Paola Gorla
ID 247	A MICROPILOT-SCALE MEMBRANELESS BIOELECTROCHEMICAL REACTOR FOR <i>IN SITU</i> REMEDIATION Agnese Lai, Roberta Verdini, Federico Aulenta and Mauro Majone
ID 280	EVIDENCES FOR <i>IN-SITU</i> BIODEGRADATION OF GASOLINE PRODUCTS IN GROUNDWATER BELOW A GAS STATION ABOVE ISRAEL'S COASTAL AQUIFER Almog Gafni, Zeev Ronen and Faina Gelman
09:15 - 10:45	SESSION – 6B: BIOREMEDIATION OF SITES CONTAMINATED WITH CHLORINATED AND OTHER RECALCITRANT COMPOUNDS – ROOM B Chairpersons: Matthias Kästner & Tomáš Cajthaml
ID 324	A SIMPLIFIED DEHALOGENATING CO-CULTURE CONTAINING A NOVEL PUTATIVE 1,2-DCA DEGRADER <i>GEOBACTER</i> SP. Giuseppe Merlino, Annalisa Balloi, Francesca Mapelli, Aurora Rizzi, Davide Lavazza, Francesca de Ferra, Giovanna Carpani, Sara Borin and Daniele Daffonchio
ID 160	FUNGAL BIODEGRADATION OF POLYCHLORINATED BIPHENYLS – FROM MECHANISMS TO APPLICATION IN CONTAMINATED SOIL Tatiana Stella, Stefano Covino, Alena Filipová, Zdena Křesinová, Ondřej Lhotský and Tomáš Cajthaml
ID 201	MECHANISMS OF NATURAL REDUCTIVE BIODECHLORINATION (RDC) OF CHLORINATED SOLVENTS IN AN OLD POLLUTED SITE Ioannis Ignatiadis, Stéphanie Betelu, Romain Rodrigues, Frédéric Garnier, Stéfan Colombano and Clément Zornig
ID 251	CLASSIFICATION AND MODELLING OF NON-EXTRACTABLE RESIDUE (NER) FORMATION FROM PESTICIDES IN SOIL Matthias Kästner, Karolina M. Nowak, Anja Miltner, Stefan Trapp and Andreas Schäffer
ID 258	BIOAUGMENTATION AND COMBINED BIOSTIMULATION ENHANCED PCB REDUCTIVE DECHLORINATION IN A MARINE SEDIMENT Andrea Nuzzo, Giulio Zanaroli, Noura Raddadi and Fabio Fava
ID 302	METABOLIC INSIGHT INTO BIODEGRADATION OF SULFONATED AROMATIC AND OTHER INDUSTRIAL HYDROCARBON WASTES Gábor Rákhely, Botond Hegedűs, Ágnes Kiss, Krisztián Laczi, Gábor Bende, Attila Bodor and Katalin Perei
09:15 - 10:45	SESSION - 6C: WASTEWATER VALORIZATION, BIOREMEDIATION, PURIFICATION AND REUSE – ROOM C Chairpersons: Petros Gikas & Maria Reis
ID 264	OPTIMIZATION OF WASTEWATER TREATMENT MANAGEMENT AND RECLAMATION FOR IRRIGATION REUSE Carmine Fiorentino, Maurizio Mancini and Luca Luccarini
ID 205	THE FATE OF POLYBROMINATED DIPHENYL ETHERS (PBDEs) IN THE ENVIRONMENT Hana Stiborová, Jana Vrkoslavová, Jana Pulkrabová, Petra Hradková, Jana Hajšlová and Kateřina Demnerová
ID 228	RAPID REDUCTIVE DEGRADATION OF AQUEOUS P-NITROPHENOL USING NANOSCALE ZERO-VALENT IRON DOPED ON MESOPOROUS SILICA Jing Tang, Lin Tang and Guangming Zeng

ID 139	BIO-DEGRADATION OF SILK INDUSTRY WASTEWATER: A CASE STUDY Sara Zanni, <u>Maurizio Luca Mancini</u> and Alessandra Bonoli
ID 102	APPLICATION OF <i>PLEUROTUS TUBERREGIUM SCLEROTIUM</i> AND THREE PLANT COAGULANTS IN WATER AND WASTEWATER PURIFICATION <u>Kenneth A. Yongabi</u>
ID 372	NITRIFICATION - DENITRIFICATION OF WASTEWATER WITHOUT RECIRCULATION, USING ENCAPSULATED MICROORGANISMS Maria Farazaki, Haridimos Marakas and <u>Petros Gikas</u>
ID 223	BIOFLOCCULATION OF PETROLEUM HYDROCARBON IN A CONTAMINATED WASTE WATER MODEL <u>Mihirjyoti Pathak</u> , Arundhuti Devi, Hridip Kumar Sarma, Krishna Gopal Bhattacharyya, Sanjukta Subudhi and Banwari Lal
10:45 - 11:15	Coffee break & Poster Viewing (Section B)
11:15 - 13:15	SESSION – 7A: MATHEMATICAL MODELLING OF BIOREMEDIATION PROCESSES AND PERFORMANCE EVALUATION – ROOM A Chairpersons: George Kapellos & Katerina Spanoudaki
ID 105	THE FUGACITY APPROACH IN MODELLING BIOVENTING AND ENHANCED BIOREMEDIATION OF CONTAMINATED SOILS <u>M. Cristina Vila</u> , M. Manuela Carvalho and António Fiúza
ID 210	MICROSCALE STUDY OF BIOFILM FORMATION AT THE OIL-WATER INTERFACE <u>George E. Kapellos</u>
ID 220	LONG-TERM MODELLING OF OIL SPILL FATE AND TRANSPORT IN THE MARINE ENVIRONMENT INCORPORATING BIODEGRADATION KINETICS <u>Katerina Spanoudaki</u> and Nicolas Kalogerakis
ID 152	USING NUMERICAL EXPERIMENTS TO INVESTIGATE THE ROLE OF ACETATE-CONSUMING COMMUNITIES ON THE REDUCTIVE DECHLORINATION OF TRICHLOROETHENE Kyriakos Kandris, Marina Pantazidou and Daniel Mamais
11:15 - 13:15	SESSION – 7B: BIOMINERALIZATION AND BIOMINING OF INORGANICS – ROOM B Chairpersons: Markus Lenz & Tom Hennebel
ID 363 Keynote	RECOVERY OF CRITICAL METALS USING BIOMETALLURGY <u>Tom Hennebel</u> , Jeffrey P Fitts, Caroline M Ajo-Franklin, Synthia Maes, Lisa Alvarez-Cohen and Wei-Qin Zhuang
ID 347	EVALUATION OF <i>IN-SITU</i> MEASUREMENT OF HEAVY METALS USING THE METALYSER-HM1000 <u>Styliani Voutsadaki</u> and Nikolaos P. Nikolaidis
ID 353	ELEMENTAL SELENIUM NANOPARTICLES EFFICIENTLY BIO-SYNTHESIZED BY <i>STENOTROPHOMONAS MALTOPHILIA</i> SeITE02 POSSESS PROMISING ANTIMICROBIAL ACTIVITY <u>Silvia Lampis</u> , Emanuele Zonaro, Cristina Bertolini, Daniela Cecconi, Raymond Turner and Giovanni Vallini
ID 133	TOLERANCE OF <i>ARUNDO DONAX</i> TO ELEVATED CADMIUM LEVELS: IMPLICATIONS FOR BIOREMEDIATION OF HEAVY METAL CONTAMINATED SITES <u>PJ Khankhane</u> , Aasfa Tabassum and Akhilesh Patel
ID 171	REDUCTION OF METALLOID OXYANIONS AND BIOGENESIS OF NANOPARTICLES BY <i>OCHROBACTRUM</i> SP. MPV1 <u>Emanuele Zonaro</u> , Silvia Lampis, Raymond J. Turner and Giovanni Vallini
ID 211	BIOLOGICAL PLATINUM REMOVAL FROM SALINE WASTE STREAMS <u>Synthia Maes</u> , Nico Boon and Tom Hennebel
ID 104	EVALUATION OF TWO REUSE TECHNOLOGIES FOR A HUNGARIAN RED MUD Éva Ujaczki, Yannick S Zimmermann, Mónika Molnár, Katalin Gruiz, Viktória Feigl and Markus Lenz
11:15 - 13:15	SESSION – 7C: BIOREACTOR TECHNOLOGIES FOR EX-SITU TREATMENT – ROOM C Chairpersons: Daniel Mamais & Ioannis Ignatiadis
ID 352	BIOLOGICAL TREATMENT OF GROUNDWATER WITH A HIGH HEXAVALENT CHROMIUM CONTENT UNDER ANAEROBIC AND ANOXIC CONDITIONS Eleni Panousi, <u>Daniel Mamais</u> , Constantinos Noutsopoulos, Kiriaki Koutoula, Sevasti Mastrantonio and Constantinos Koutsogiannis
ID 188	<i>EX SITU</i> REMEDIATION OF CHLOROPHENOL CONTAMINATED SOIL: COMPARISON OF SLURRY AND TWO PHASE PARTITIONING BIOREACTORS <u>Domenica Mosca Angelucci</u> and M. Concetta Tomei
ID 328	EFFECT OF CULTURE MEDIA IN CHROMATE REDUCTION BY MUSHROOM FUNGI

ID 164	<u>Katerina Vaxevanidou</u>, Aggeliki-Lydia Papadopoulou, Nymphodora Papassiopi, Georgios Koutrotsios and Georgios I. Zervakis ANAEROBIC TREATMENT OF A PESTICIDES-BEARING WASTEWATER IN AN EGSB REACTOR
ID 142	N. Garcia-Mancha, V.M. Monsalvo, D. Puyol, J.J. Rodriguez and <u>A.F. Mohedano</u> AERATED TRICKLING BIO-CHEMICAL FILTER FOR THE TREATMENT OF DAIRY WASTEWATER AND BACTERIAL IDENTIFICATION
ID 306	<u>Rosa Galvez-Cloutier</u> and Sumathi K.M. Saminathan BIORESNOVA PROJECT TO RECOVER DREDGED SEDIMENTS CONTAMINATED WITH TOTAL PETROLEUM HYDROCARBON TO PRODUCTIVE SOILS
ID 118	<u>Simona Di Gregorio</u>, Alessandro Gentini, Gualtiero Masini, Giovanna Siracusa, Lorenzo Mariotti, Simone Becarelli and Roberto Lorenzi REMOVAL OF CHROMIUM FROM ELECTROPLATING WASTEWATER USING THE COMBINATION OF CHEMICAL AND Cr (VI) – REDUCING BIOFILM SYSTEMS
ID 119	Nurfadilah Mohammed, Shaik Muhammad Hasbullah Shaik Ismail, Zainul Akmar Zakaria and <u>Wan Azlina Ahmad</u> AEROBIC CHROMATE DETOXIFICATION USING WHOLE CELLS AND CRUDE CELL-FREE EXTRACTS OF <i>ACINETOBACTER HAEMOLYTICUS</i>
	Wan Azlina Ahmad, Norsuhada Abdul Karim, A.S. Santhana Raj and <u>Zainul Akmar Zakaria</u>
13:15 – 20:00	WEDNESDAY AFTERNOON - FREE TIME
13:15 -15:00	EFB - Environmental Biotechnology Section meeting (Room B)
20:30 - 00:30	Conference GALA DINNER Location: Roxani Estates (Busses leave at 19:30 from the venue hotel)

THURSDAY, JULY 2 ND , 2015	
8:30 - 9:15	Plenary Lecture 4 – ROOM A Session Chairpersons: Nicolas Kalogerakis & Fabio Fava
ID 392	BIOREMEDIATION AND <i>IN SITU</i> BURNING: TWO “ALTERNATIVE” TECHNIQUES TO COMBAT OIL SPILLS Ronan Jézéquel (CEDRE, France)
9:15 - 10:45	SESSION – 8A: (BIO)-TECHNOLOGIES TO COMBAT MARINE OIL SPILLS - ROOM A Chairpersons: Danny Reible & Ronan Jézéquel
ID 307	THE ASSESSMENT OF LONG-TERM RISKS ASSOCIATED WITH OIL SPILLS <u>Danny Reible</u>
ID 237	DEEP-SEA MICROBIAL COMMUNITY SHIFTS IN HIGH PRESSURE REACTORS SUPPLIED WITH SOLID ALKANES (C20 OR C30) <u>Alberto Scoma</u> , Ridwan Rifai, Emma Pini, Emma Hernandez-Sanabria, Frederiek – Maarten Kerckhof and Nico Boon
ID 274	MONITORING OF PLANKTON COMMUNITY DURING A FIELD SCALE BIOREMEDIATION TEST IN A TUNISIAN TOURIST PORT Nicola Frigau, Claudia Rossano, Caterina Nuccio, Felicita Scapini, Enrica Bullita, <u>Claudio Ruggeri</u> and Elena Tamburini
ID 266	CRUDE OIL BIODEGRADATION SUSTAINED BY N AND P SMARTLY RELEASED BY MESOPOROUS PARTICLES <u>Danuta Cichocka</u> , Nora Corvini, Boris A. Kolvenbach, Mohamed El idrissi, Philippe F.-X. Corvini and Patrick Shahgaldian
ID 379	BIOFILM STRUCTURE OF MARINE HYDROCARBON DEGRADERS IN PETROLEUM PRODUCTS <u>Maria Nikolopoulou</u> , Ute Kuhlicke, Thomas R. Neu and Nicolas Kalogerakis
ID 253	BIOREMEDIATION OF MARINE OIL SPILLS BY MARINE HYDROCARBONOCLASTIC BACTERIA: FUNCTIONAL GENOMICS, PHYSIOLOGY, BIOCHEMISTRY <u>Hermann J. Heipieper</u>
09:15-10:45	SESSION – 8B: PHYTOREMEDIATION AND BIOREMEDIATION TECHNOLOGIES FOR REMOVAL OF HEAVY METALS – ROOM B Chairpersons: Panagiotis Gkorezis & Diego Cicero Fernández
ID 381	PHYTOREMEDIATION OF WASTEWATERS CONTAMINATED WITH Zn BY <i>ARUNDO DONAX</i> L. Jorge Costa, Bruno Barbosa, Sara Boléo and <u>Ana Luísa Fernando</u>
ID 309	AS A REAL CASE OF ARSENIC CONTAMINATION IN SOIL CAN BE ADDRESSED IN VIEW OF POSSIBLE EXPLOITATION OF MICROBIAL ENHANCED As-PHYTOEXTRACTION AT A DUMPING SITE FOR ARSENOPYRITE CINDERS <u>Silvia Lampis</u> , Chiara Santi, Adriana Ciurli, Marco Andreolli and Giovanni Vallini
ID 246	PHYTOREMEDIATION OF AGRICULTURAL LAND POLLUTED WITH Cr METAL IN WADI ALSAMIN, HEBRON-PALESTINE Murad Alhousani, Ahmad AbuAbied, Husameddin Isaid, Ayman Salah and Jamil Harb
ID 294	EQUILIBRIUM, KINETICS AND THERMODYNAMICS STUDIES ON Pb (II) AND Cr (III) BIOSORPTION BY THE TROPICAL YEAST <i>YARROWIA LIPOLYTICA</i> <u>Ashok Bankar</u> , Ameeta Ravikumar and Smita Zinjarde
ID 113	THE STUDY OF LEAD ACCUMULATION, ANTIOXIDANT ENZYME ACTIVITY AND MALONDIALDEHYDE BIOMARKER CONTENT IN TWO BARELY SPECIES <u>Afshin Mozafari</u> , Seyyed A. Siadat and Morteza Abdali
09:15-10:45	SESSION - 8C: SPECIAL SESSION OF IncoNet EaP - PHYTOREMEDIATION- ROOM C Chairpersons: Piotr Swierczynski & Marine Nalbandyan
****	INCONET EASTERN PARTNERSHIP PROJECT ACTIVITIES <u>Piotr Swierczynski</u>
ID 426	ASSESSMENT OF PERENNIAL GRASSES AND LEGUMES FOR PHYTOREMEDIATION OF DEGRADED SOILS OF MOLDOVA <u>Tamara Leah</u>
ID 408	APPROACHES FOR ENHANCING PHYTOREMEDIATION EFFICIENCY AGAINST CHEMICAL CONTAMINATION OF SOIL <u>Tamar Varazi</u> , Gia Khatishashvili, Marine Pruidze, Maritsa Kurashvili and Mark Sutton
ID 419	DEVELOPMENT OF PHYTOREMEDIATION AND BIOREMEDIATION METHODS FOR

	REMOVAL OF HEAVY METALS FROM CONTAMINATED SOILS IN ARMENIA Thomas Schiedek and <u>Marine Nalbandyan</u>
ID 427	ORGANIC WASTES UTILIZATION PRACTICES IN AGRICULTURE OF MOLDOVA <u>Tamara Leah</u> , Vasile Plamadeala, Alexandru Rusu and Andrei Siuris
ID 428	THE STUDY OF POLLUTED AREAS ALGAE AS THE BASIS FOR REMEDIATION OF AQUATIC ECOSYSTEMS <u>Lusine Hambaryan</u>
10:45-11:15	Coffee break & Poster Viewing (Section B)
11:15-13:15	SESSION - 9A: BIOMONITORING AND BIOREMEDIATION OF CONTAMINATED SEDIMENTS – ROOM A Chairpersons: Federico Aulenta & Stilianos Fodelianakis
ID 194	ELECTROLYSIS-DRIVEN BIOREMEDIATION OF CRUDE OIL-CONTAMINATED MARINE SEDIMENTS <u>Marco Bellagamba</u> , Carolina Cruz Viggi, Enrica Presta, Nicoletta Ademollo, Simona Rossetti and <u>Federico Aulenta</u>
ID 199	BIOELECTROCHEMICAL “SNORKELLING” EFFECTS ON BIOREMEDIATION OF CRUDE-OIL-CONTAMINATED ESTUARINE SEDIMENTS FROM RIVER TYNE (UK) <u>Carolina Cruz Viggi</u> , Angela Sherry, Ian Head, Simona Rossetti and Federico Aulenta
ID 240	BIOAUGMENTATION OF OIL-POLLUTED SEDIMENTS AND THE IMPLICATIONS FOR THE INVASION CONCEPT IN MICROBIAL ECOLOGY <u>Fodelianakis S.</u> , Antoniou E., Mapelli F., Magagnini M., Nikolopoulou M., Marasco R., Barbato M., Tsiola A., Tsikopoulou I., Giaccaglia L., Mahjoubi M., Jaouani A., Amer R., Hussein E., Al-Horani F.A., Benzha F., Blaghen M., Malkawi H.I., Abdel-Fattah Y., Cherif A., Daffonchio D. and Kalogerakis N.
ID 103	BIOREMEDIATION OF PCB-CONTAMINATED SEDIMENTS USING BIOAUGMENTATION AND BIOSTIMULATION APPROACHES <u>Katarína Dercová</u> , Hana Dudášová, Juraj Škarba and Katarína Lászlóvá
ID 215	CHLORINATED BYPHENYLS (PCB) CONTAMINATION IN MARINE SEDIMENTS: ROLE OF THE AUTOCHTHONOUS BACTERIA AND EFFICACY OF BIOAUGMENTATION ON CONTAMINANT BIODEGRADATION <u>Bruna Matturro</u> , Martina Di Lenola, Paola Grenni, Anna Barra Caracciolo, Carla Ubaldi and Simona Rossetti
ID 234	OIL POLLUTION DRIVES MICROBIAL COMMUNITY AND REMEDIATION POTENTIAL IN ANCONA HARBOR SEDIMENTS <u>Marta Barbato</u> , Francesca Mapelli, Mirko Magagnini, Bessem Chouaia, Daniele Daffonchio and Sara Borin
ID 298	LAB CHARACTERIZATION OF DIFFERENT CAPPING MATERIALS FOR OIL CONTAMINATED SEDIMENTS IN SITU REMEDIATION Noemi Lorenti, Marco Petrangeli Papini, <u>Ludovica Silvani</u> and Daniele Silvestri
11:15-13:15	SESSION - 9B: TREATMENT OF OLIVE MILL WASTES – ROOM B Chairpersons: Dionissios Mantzavinos & Georgios Zervakis
ID 420	TREATMENT OF TABLE OLIVE WASHING WATERS USING ATTACHED GROWTH BIOLOGICAL SYSTEM FOLLOWED BY ELECTROOXIDATION <u>Triantafyllos Tatoulis</u> , Stamoulis Zapantiotis, Zacharias Frontistis, Athanasia G. Tekerlekopoulou, Christos S. Akrotas, Dionissios Mantzavinos and <u>Dimitrios V. Vayenas</u>
ID 132	OLIVE MILL WASTEWATER VALORISATION THROUGH POLYPHENOL ADSORPTION <u>Aurora Esther Molina Bacca</u> , Lucio Donati, Davide Pinelli, Dario Frascari, Lorenzo Bertin, Gonzalo Martinez and Fabio Fava
ID 178	EFFECT OF LIQUID FEEDING ON CO-COMPOSTING PROCESS OF OMWW WITH OSWR <u>Christina Tsiodra</u> , Elli Maria Barampouti, Sofia Mai and Apostolos Vlyssides
ID 268	DEGRADATION PROCESS OF OLIVE MILL WASTEWATER BY THE WHITE-ROT FUNGUS <i>ABORTIPORUS BIENNIS</i> <u>Georgios Koutrotsios</u> and Georgios I. Zervakis
ID 283	OLIVE OIL MILL WASTEWATER CONVERSION INTO POLYHYDROXYALKANOATES <u>Sabrina Campanari</u> , Floriana Augelletti, Marianna Villano and Mauro Majone
11:15-13:15	SESSION - 9C: SPECIAL SESSION OF IncoNet EaP - BIOREMEDIATION – ROOM C Chairpersons: Piotr Swierczynski & Vladimir Elisashvili
ID 429	LIGNIN-MODIFYING ENZYME PRODUCTION REGULATION AND APPLICATION IN BIOREMEDIATION <u>Vladimir Elisashvili</u> , Eva Kachlishvili, Tamar Khardziani, Aza Kobakhidze, Eka Metreveli, Tina Jokharidze, Violeta Berikashvili and Mikheil Asatiani
ID 431	GROUNDWATER AND WASTEWATER PURIFICATION BY FLOCCULANTS “UNICOMFLOC” <u>Tatyana Zheltonozhskaya</u> , <u>Larisa Kynitskaya</u> and Natalia Permyakova
ID 430	USAGE OF CULTURE COLLECTION OF MICROORGANISMS DEVELOPING IN

ID 422	HYDROCARBON FUEL FOR CONTAMINATED SOIL BIOREMEDIATION Kondratyuk Tetyana, Morgaienko Oleksii and Ostapchenko Lyudmila
	BIOREMEDIATION OF OIL-POLLUTED NATURAL OBJECTS USING COMPOSITE MATERIALS ON THE BASIS OF PEAT Natallia Sasnouskaya, Aleksey Tomson and Alissa Samsonova
ID 421	NATURAL SORBENTS FOR HEAVY METALS REMOVAL FROM SOIL AND WATER Sviatlana Kouryk, Natallia Sasnouskaya, Guennadi Sokolov and Nikolay Bambalov
ID 409	ENVIROMENTAL ASPECTS, SANITARY AND HYGIENIC CONDITIONS AND CONTAMINATION OF SURFACE WATER AND WATER SUPPLIES OF AZERBAIJAN WITH CHOLERA VIBRIONS Shair Gurbanov and Gulnara Shamkhalova
ID 432	BIOREMEDIATION OF POPs POLLUTED SITES (CASE STUDIES IN THE REPUBLIC OF MOLDOVA) Oleg Bogdevich, Culighin Elena and Lupascu Tudor
13:15-13:45	CLOSING CEREMONIES & AWARDS - ROOM A (Best POSTER & ORAL by Graduate Student)
13:45-14:45	LUNCH (Minoa Palace Hotel)
14:45	END OF CONFERENCE

FRIDAY, JULY 3RD, 2015

08:00-18:00 **Conference trip**
(Samaria Gorge OR Elafonissi)

POSTER PRESENTATIONS

POSTER SECTION A

(Presentation Period: Monday 10:30 to Tuesday 14:10)

BIOCLEAN CONFERENCE - LITTER PREVENTION, PLASTICS BIODEGRADATION AND BIOPLASTICS

- ID 229 ISOLATION AND IDENTIFICATION OF MICROORGANISMS APPLICABLE TO BIODEGRADATION OF POLYMER PLASTICS**
Ashutosh Kumar Verma, Kateřina Malachová, Hana Kotulová and Čeněk Novotný
- ID 256 EVIDENCE OF CHEMICAL TRANSFER IN FRESH OR SALT WATER DURING UV IRRADIATION OF PLASTIC DEBRIS**
Gaëlle Bissagou Koumba, Marcello Brigante, Florence Jestin, Sophie Commereuc and Vincent Verney
- ID 286 SCREENING OF BACTERIAL STRAINS FOR THEIR ABILITY TO DEGRADE SYNTHETIC POLYMERS UNDER ANAEROBIC CONDITIONS**
Lucia Giacomucci, Noura Raddadi, Michelina Soccio, Nadia Lotti and Fabio Fava
- ID 289 INTEGRATED PHYSIC-CHEMICAL ANALYSES FOR MONITORING PLASTIC BIODEGRADATION**
Michelina Soccio, Andrea Munari, Lucia Giacomucci, Noura Raddadi, Fabio Fava and Nadia Lotti
- ID 407 ACCUMULATION DYNAMICS AND FATE OF MICROPLASTICS IN SANDY COASTAL ENVIRONMENTS**
Ekaterini Karkanorachaki, Sotiris Kiparissis and Nicolas Kalogerakis
- ID 418 DETERMINATION OF FRAGMENTATION RATES OF PLASTICS IN THE MARINE ENVIRONMENT**
G. Calypso Kalogerakis, Elisavet I. Triantafyllidi, Alexandros D. Gotsis, Sotiris Kyparissis and Nicolas Kalogerakis

CONSTRUCTED WETLANDS FOR EMERGING COMPOUNDS, PHARMACEUTICALS & PRIORITY POLLUTANTS

- ID 401 REMOVAL EFFICIENCY OF CONSTRUCTED WETLANDS WITH TWO DIFFERENT WETLAND HALOPHYTES FOR Cd, Ni AND Zn POLLUTED WATER TREATMENT**
Georgia Gkavrou, Eleni Manousaki and Nicolas Kalogerakis
- ID 405 MICROBIAL COMMUNITY STRUCTURE AND DIVERSITY IN SUBSURFACE FLOW CONSTRUCTED WETLANDS**
Myrto Tsiknia, Stilianos Fodelianakis, Nikos Paranyhianakis and Nicolas Kalogerakis

PHYTOREMEDIATION AND BIOREMEDIATION TECHNOLOGIES FOR REMOVAL OF HEAVY METALS

- ID 154 CULTIVATION OF *CAMELINA SATIVA*, A SECOND GENERATION BIOFUEL CROP PLANT, ON MARGINAL SOILS**
Florentina Matei, Andra Moraru and Stefana Jurcoane
- ID 172 PHYTOREMEDIATION OF MANGANESE MINE SPOIL DUMP THROUGH MICROBE ASSISTED GREEN TECHNOLOGY**
Asha Ashok Juwarkar, Lal Singh, Prashant Thawale and Sanjeev Kumar Singh
- ID 173 BIOREMEDIATION OF CHROMIUM CONTAMINATED SOIL USING BIOFERTILIZER, FARM YARD MANURE AND *VETIVERIA ZIZANIOIDES***
Sanjeev Kumar Singh, Jyotsna Sudhir Meshram, Prashant Thawale and Asha Ashok Juwarkar
- ID 176 CHANGES IN ANTIOXIDATIVE DEFENSE SYSTEM OF *LEPIDIUM SATIVUM* L. DURING ASSISTED PHYTOEXTRACTION OF HG CONTAMINATED SOIL**
Beata Smolinska and Agnieszka Szczodrowska
- ID 177 THE ACCUMULATION OF SOME METAL IONS IN SELECTED PLANTS FROM BRASSICACEAE AND LAMIACEAE FAMILY**
Agnieszka Szczodrowska, Kamila Kulbat, Beata Smolinska and Joanna Leszczynska
- ID 208 EFFECT OF ZINC NANOPARTICLES ON WETLAND PLANTS**
Radka Podlipná, Tereza Cyrusová, Magdalena Píchová, Přemysl Landa and Tomáš Vaněk
- ID 218 SELECTION OF ARSENIC-RESISTANT SOIL BACTERIA FOR AN ASSISTED PHYTOREMEDIATION APPROACH WITH *ZEA MAYS***
Elisabetta Franchi, Paola Cosmina, Roberto Bagatin, Francesca Pedron, Irene Rosellini and Meri Barbaferi
- ID 233 PHYTOREMEDIATION OF CADMIUM POLLUTED WATERS BY A EUCALYPT HYBRID**

	CLONE: A MESOCOSM STUDY Fabrizio Pietrini, Valentina Iori, Valerio Muzzini, Silvia Pietropaoli, Giovanni Mughini, Claudio Beni, Angelo Massacci and Massimo Zacchini
ID 241	IMPACT OF THE BOTTOM SEDIMENTS APPLICATION AND THE BURDEN OF CADMIUM ON THE CONTENT OF THE RISK ELEMENTS IN THE SIMULATED BIOMASS OF MAIZE (<i>ZEA MAYS</i>, L.) Tomas Toth, Miriama Kopernicka, Alena Vollmannova, Juraj Toth, Jan Tomas and Janette Musilova
ID 243	POTENTIAL OF RAPESEED (<i>BRASSICA NAPUS</i> L.) FOR PHYTOREMEDIATION OF SOILS CONTAMINATED WITH HEAVY METALS Violina Angelova and Krasimir Ivanov
ID 278	ACCUMULATION OF ELEMENTS AND THEIR REDISTRIBUTION IN TARTARY BUCKWHEAT GRAIN FROM POLLUTED SOIL Marjana Regvar, Paula Pongrac, Katarina Vogel-Mikuš, Luka Jeromel, Primož Vavpetič, Primož Pelicon, and Ivan Kreft
ID 304	ZINC AND CADMIUM EFFECT IN LETTUCE, PURSLANE AND GERANIUM: GROWTH AND PHYSIOLOGICAL PLANT RESPONSES Sophia Papatheodorou, Vasileios Antoniadis and Efi Levizou
ID 337	HEAVY METAL ACCUMULATION AND EFFECTS IN MARJORAM PLANTS CULTIVATED IN CONTAMINATED SOILS Kyriakos Athanasiadis, Sofia Loupasaki, Michael Papadimitriou and Nikos Lydakis-Simantiris
ID 340	POTENTIAL OF <i>JATROPHA CURCAS</i> L. FOR PHYTOREMEDIATION AND ECONOMIC VALORIZATION OF METAL-CONTAMINATED LAND Eleni G. Papazoglou, Konstantinos G. Serelis, Jaco Vangronsveld and Anastasia Kondyli
ID 370	UPTAKE OF URANIUM AND THORIUM BY HYDROPONICALLY CULTIVATED TOBACCO PLANTS Petr Soudek, Šárka Petrová, Aneta Hrdinová and Tomáš Vaněk
ID 373	TOXICITY ASSESSMENT OF Cd IN SOILS TO EARTHWORM <i>EISENIA FETIDA</i> BASED ON BIOAVAILABILITY EXTRACTION METHOD Xueyuan Gu, Zhimin Liu and Xiaorong Wang
ID 374	CHROMIUM UPTAKE BY CARROTS IN ASOPOS BASIN Maria Lilli, Nikolaos Nikolaidis, George Karatzas and Nicolas Kalogerakis
ID 436	SORPTION BEHAVIOR OF HEAVY METALS ON MUNICIPAL SOLID WASTE COMPOST Androniki Papafilippaki, Nikolaos Paranychanakis and Nikolaos P. Nikolaidis
SPIROS AGATHOS SCIENTIFIC FAREWELL	
ID 383	SOL-GEL IMMOBILIZATION OF GLUTATHIONE TRANSFERASE: AN EFFICIENT TOOL FOR BIOREMEDIATION Evangelia Chronopoulou, Nikolaos Georgakis, Annie Kontouri and Nikolaos E. Labrou
INNOVATIVE APPROACHES AND TOOLS FOR MONITORING AND BIOREMEDIATION OF EMERGING POLLUTANTS IN SOILS, SEDIMENTS AND GROUNDWATER	
ID 144	EFFECT OF PLANT AROMATIC COMPOUNDS ON BIODEGRADATION OF NAPROXEN BY <i>STENOTROPHOMONAS MALTOPHILIA</i> KB2 Urszula Guzik, Katarzyna Hupert-Kocurek and Danuta Wojcieszynska
ID 145	INDUCTION OF ENZYMES IN THE PRESENCE OF PLANT AROMATIC COMPOUNDS IN NAPROXEN DEGRADING STRAIN KB2 Danuta Wojcieszynska, Katarzyna Hupert-Kocurek and Urszula Guzik
ID 184	SOIL TILLAGE CONSERVATION AND ITS EFFECT ON SOIL PROPERTIES BIOREMEDIATION, WATER AND CARBON MANAGEMENT Teodor Rusu and Paula Ioana Moraru
ID 196	BIODEGRADATION MONITORING OF TOLUENE BY GEO-ELECTRICAL MEASUREMENTS AND CO₂ ANALYSES: A COLUMN STUDY Cécile Noel, Jean-Christophe Gourry, Jacques Deparis, Fabienne Battaglia-Brunet, Michaëla Blessing, Christophe Guimbaud and Ioannis Ignatiadis
ID 265	BACTERIAL-ASSISTED PHYTOREMEDIATION TO COMPLEMENT <i>IN SITU</i> FLOATING LAYER RECUPERATION FOR REMEDIATION OF MINERAL OIL CONTAMINATION Peter Smeets, Panagiotis Gkorezis and Jaco Vangronsveld
ID 316	BACTERIAL-ASSISTED ADSORPTION TECHNOLOGY FOR ARSENIC REMOVAL FROM WATER (BATA) Anna Corsini, Simona Rossetti and Lucia Cavalca
ID 327	PREPARATION OF TRANSGENIC PLANTS WITH INCREASED RESISTANCE TO STRESS AND FOR REMEDIATION OF CONTAMINATED SITES Jitka Viktorova, Andrea Jankujova, Michaela Madlenakova, Lucia Kazimirova, Josef Uskoba, Martina Novakova and Tomas Macek

ID 393	BIO-OXIDATION OF SULFUR BY <i>THIOBACILLUS THIOPARUS</i> FOR RECLAMATION OF ALKALINE SALINE SOILS <u>Irina Savitskaya</u> , Aida Kistaubaeva, Aigerim Issabekova and Nina Voronova
ID 402	PHOTOLYTIC DEGRADATION OF SERTRALINE John Petrakis, Catherine Drosou, Konstantina Tyrovola and Nikolaos P. Xekoukoulotakis
ID 415	REPLICATION AND PARTITION SYSTEM OF THE <i>NOVOSPHINGOBIUM</i> PLASMIDS Botond Hegedus, Zsolt Péntzes, Gábor Bende, Katalin Perei and Gábor Rákhely
ID 416	EXPRESSION PROFILE OF MONOOXYGENASES IN <i>RHODOCOCCUS ERYTHROPOLIS</i> PR4 GROWN ON ARTIFICIAL HYDROCARBON MIXTURES <u>Krisztián Laczi</u> , Ágnes Kis, Katalin Perei and Gábor Rákhely
ID 433	RHAMNOLIPID PRODUCTION BY <i>BURKHOLDERIA THAILANDENSIS</i> E264 CELLS IMMOBILISED ON DELIGNIFIED CELLULOSE Konstantina Tsaousi, Roger Marchant and Ibrahim M. Banat
ID 435	BIOCHROMATOGRAPHY: FROM MEDICINAL CHEMISTRY TO ENVIRONMENTAL SCIENCES Fotios Tsopelas, Chrysanthos Stergiopoulos, Maria Ochsenkühn- Petropoulou and Anna Tsantili-Kakoulidou
ID 437	BIOENGINEERING METABOLIC PATHWAYS OF PCBs DEGRADING BACTERIA FOR THE OPTIMISATION OF ECOLOGICAL FUNCTIONS Marianna Taffi, Claudio Angione, Nicola Paoletti, Sandra Pucciarelli, Mauro Marini and <u>Pietro Lio'</u>
INTEGRATED (BIO)CHEMICAL VALORIZATION OF AGRO-INDUSTRIAL BYPRODUCTS, EFFLUENTS, WASTES AND SURPLUS	
ID 136	PILOT-SCALE ANAEROBIC DIGESTION OF RED GRAPE POMACES <u>L. Longanesi</u> , M. Cerullo, D. Frascari, D. Pinelli, L. Bertin and F. Fava
ID 181	PRIORITY POLLUTANT OXIDATION BY UNSPECIFIC PEROXYGENASES Alexander Karich, Franz Wilhem, Sebastian Peter, Glenn Gröbe, Katrin Scheibner, René Ullrich, <u>Christiane Liers</u> and Martin Hofrichter
ID 182	BIODEGRADATION OF TYROSOL BY THE GREEN ALGA <i>SCENEDESMUS OBLIQUUS</i> <u>Aikaterini Papazi</u> , Andreas Ioannou, Andreas G. Doulis and Kiriakos Kotzabasis
ID 202	SOLID PHASE EXTRACTION OF VOLATILE FATTY ACIDS GENERETED FROM THE ACIDOGENIC DIGESTION OF GRAPE POMACES <u>Stefano Rebecchi</u> , Lorenzo Bertin, Dario Frascari and Fabio Fava
ID 230	ENDOPHYTIC BACTERIA AND THEIR POTENTIAL APPLICATIONS - ISOLATION AND CHARACTERISATION OF ENDOPHYTIC BACTERIA FROM <i>BRASICA NAPUS</i> <u>Petra Lovecka</u> , Martina Novakova, Libor Mrnka, Livie Kralikova, Christoph Schmidt, Marie Fenclova, Monika Jiru, Milena Zachariasova and Katerina Demnerova
ID 245	POLYHYDROXYALKANOATES RECOVERY FROM <i>CUPRIAVIDUS NECATOR</i> BY MODIFIED NaOH DIGESTION PROTOCOLS Gonzalo Martinez, Anna Chiara Orlando, <u>Lorenzo Bertin</u> , Gerhart Brauneegg and Fabio Fava
ID 320	RECOVERED PAPER VALUE FOR RESOURCE CONSERVATION AND CHEMICALS PRODUCTION Cristina Ghinea, Madalina Petraru, Isabela Maria Simion, Adrian Catalin Puitel, Maria Gavrilescu, Hans Bressers and <u>Dan Alexandru Gavrilescu</u>
ID 329	OPTIMIZATION OF CELLULOSIC ETHANOL PRODUCTION WITH PSSF BY RESPONSE SURFACE METHODOLOGY USING <i>PHRAGMITES AUSTRALIS</i> Franco Cotana, Gianluca Cavalaglio, Mattia Gelosia, David Ingles and <u>Silvia D'Antonio</u>
ID 335	ECOLOGICAL RECONSTRUCTION OF SOILS POLLUTED BY AGROCHEMICAL MEASURES <u>Paula Ioana Moraru</u> and Teodor Rusu
ID 338	VALORIZATION OF RAPESEED (<i>BRASSICA NAPUS</i>) WASTE AS FIBERS FOR PAPERMAKING Bogdan Tofanica, Adrian Catalin Puitel, Narcisa Moisei and <u>Dan Alexandru Gavrilescu</u>
ID 346	BIODEGRADATION OF NICOTINE FRM TOBACCO WASTE DURING COMPOSTING PROCESS <u>Blazo Lalevic</u> , Vesna Radojicic, Olivera Ecim-Djuric, Nemanja Mandic, Danka Radic and Vera Raicevic
ID 378	TRACKING THE PATH OF METALS IN THE PROCESS OF LIGNOCELLULOSIC ETHANOL PRODUCTION FROM POLLUTED BIOMASS <u>Teodor Vintila</u> , Radu Sumalan, Petru Negrea, Constantin-Horia Barbu, Daniela Vintila and Kornel Kovacs
ID 425	CREATING USEFUL MATERIALS FROM CONTAMINATED LAND AND WASTE WITH SYNTHETIC BIOLOGY <u>Matthew Edmundson</u> , Michael Capeness, Nikolaos Pantidos and <u>Louise Horsfall</u>
EXPLOITATION OF MICROBES FROM NON-CONVENTIONAL AND/OR CONTAMINATED HABITATS	
ID 303	SCREENING OF HEAVY METALS AND AROMATIC HYDROCARBON-RESISTANT BACTERIA ISOLATED FROM MARCHICA LAGOON ECOSYSTEM IN MOROCCO F. Benzha, K. Lyamlouli, Z. Daief, A. Fahde and <u>M. Blaghen</u>

ID 384	CHARACTERIZATION OF THREE NEWLY ISOLATED LYTIC BACTERIOPHAGES WITH POTENTIAL THERAPEUTIC USE IN AQUACULTURE Dimitrios Skliros, Panos G. Kalatzis, Pantelis Katharios and Emmanouil Flemetakis
WASTEWATER VALORIZATION, BIOREMEDIATION, PURIFICATION AND REUSE	
ID 137	PILOT STUDIES ON ECOLOGICAL RESTORATION IN GONGHU BAY, LAKE TAIHU, CHINA Xin Qian, Hailong Gao, Zhe Liu and Rui Ye
ID 153	TOXICITY OF IBUPROFEN TO MICROBIAL STRAINS Ariel Marchlewicz, Urszula Guzik, Jacek Francikowski and Danuta Wojcieszńska
ID 249	ENHANCING SULFAMETHOXAZOLE BIODEGRADATION IN WASTEWATER TREATMENT BY BIOAUGMENTATION WITH <i>ACHROMOBACTER DENITRIFICANS</i> Nguyen Thi Phi Yen, Adrian Oehmen, Gilda Carvalho and Maria A M Reis
ID 317	NICKEL AND COPPER BIOSORPTION FROM ELECTROPLATING WASTEWATER BY EPS-PRODUCING BACTERIA Besma Ettoumi, Milena Colombo, Anna Corsini and Lucia Cavalca
ID 344	SAFEGUARDING WATER RESOURCES IN INDIA WITH GREEN AND SUSTAINABLE TECHNOLOGIES Ávila, C., Álvarez, J.A., Arias, C.A., Rolletschek, M., Otter, P., Kilian, R., Istenic, D., Amersek, I., Molle, P., Khalil, N., Mishra, V., Jana, B.B., Lahiri, S., Garfi, A. and García, J.
ID 395	BIOREMEDIATION OF ACID MINE DRAINAGE WITH COUPLED SYNTHESIS OF METAL SULPHIDE NANOPARTICLES Gonçalo Vitor, Bernardete Vieira, Tânia Palma, João P. Lourenço, Raúl J. Barros and Maria Clara Costa
ID 424	PESTICIDE MINERALIZATION CAPACITY IN RAPID SAND FILTERS OF DRINKING WATER PRODUCTION FACILITIES Joke Vandermaesen, Eddy Walravens, Julie Degryse, Jos Boonen and Dirk Springael
BIOMINERALIZATION AND BIOMINING OF INORGANICS	
ID 385	BACTERIA INTERACTIONS WITH METALLOIDS: EVALUATION OF BIOFILMS SUSCEPTIBILITY TO SELENITE (SeO₃²⁻) AND TELLURITE (TeO₃²⁻) Emanuele Zonaro, Silvia Lampis, Raymond J. Turner and Giovanni Vallini
TREATMENT OF OLIVE MILL WASTES	
ID 361	MATHEMATICAL MODELING OF OLIVE MILL WASTEWATER RHIZODEGRADATION WITH THE HALOPHYTE <i>JUNCUS ACUTUS</i> FOR WATER REUSE Margarita Petoussi, Antonia Igoumenopoulou and Nicolas Kalogerakis
MULTIDISCIPLINARY APPROACHES FOR BIOREMEDIATION OF POLLUTED SITES AND BIOCONVERSION OF BIOWASTE	
ID 192	ENZYMATIC OXIDATION OF LIGNIN Monika Čvančarová, Christoph A. Gasser and Philippe F.-X. Corvini
ID 206	BIODEGRADATION OF WASTE PRODUCTS FROM POULTRY INDUSTRY Hana Stiborová, Tereza Veselá, Petra Lovecká, Agáta Dvorská, Monika Jírů, Milena Zachariášová, Jana Hajšlová and Kateřina Demnerová
ID 295	VALORIZATION OF THE PRODUCTS OF POLYMER/PLASTIC BIOTRANSFORMATION Michał Kwiecien, Marta Musiol, Magdalena Maksymiak, Iwona Kwiecień, Marek Kowalczyk, Adam Marek, Jan Zawadiak and Grażyna Adamus
ID 310	DETECTION OF CATABOLIC GENES INVOLVED IN BIODEGRADATION OF ALIPHATIC AND AROMATIC HYDROCARBONS POLLUTANTS IN COMPLEX MICROBIAL COMMUNITIES BY USING DNA MICROARRAY Afef Najjari, Leila Soufi, Chadlia Hamdi, Mouna Mahjoubi, Francesca Mapelli, Wafa Hassen, Atef Jaouani, Hadda-Imene Ouzari, George Tsiamis, Daniele Daffonchio and Ameer Cherif
ID 382	EVALUATION OF CATALYTIC EFFICIENCY AND SUBSTRATE PROMISCUITY IN GLUTATHIONE TRANSFERASES FROM PHOTOSYNTHETIC ORGANISMS FOR BIOREMEDIATION Fereniki Perperopoulou, Fotini Pouliou, Mariana Chantzikonstantinou, Irini Nianiou-Obeidat, Panagiotis Madesis, Anastasios Papageorgiou, Yannis D. Clonis and Nikolaos E. Labrou
ENVIRONMENTAL PROTECTION & RESTORATION	
ID 291	BIOREMEDIATION AND MICROBIAL DEPOSITS ON PAINTINGS Eleftheria Katsivela, Louisa Raisi, Ilias Kopanakis, Panagiota Babatsouli, Christodoulos P. Theologides, Costas N. Costa, Nicolas Kalogerakis and Mihalís Lazaridis
ID 292	DO AIRBORNE MICROBES PLAY A ROLE IN THE DECAY OF MUMMIFIED TISSUES? Eleftheria Katsivela, Louisa Raisi, Mihalís Lazaridis, Ilias Kopanakis, Spyros Pournaras, Georgia Vrioni, Maria Stefanidou, Zoi Sakki, Athanasios Tsakris and Georgios Panagiaris

POSTER SECTION B
(Presentation Period: Tuesday 17:00 to Thursday 13:45)

BIOREMEDIATION OF SITES CONTAMINATED WITH CRUDE OIL, PETROCHEMICALS AND PAHs

- ID 106** **HOW THE PRESENCE OF ORGANIC POLLUTANTS AND METALLOIDS CAN INFLUENCE DIBENZOTHIOPHENE -DEGRADING BACTERIAL STRAINS**
 Nazanin Seyed Khoei, Silvia Lampis, Raymond J. Turner and Giovanni Vallini
- ID 108** **UTILIZATION OF SOIL AND RHIZOSPHERIC BACTERIA FOR THE RESTORATION OF CONTAMINATED SOILS**
 Sara Rodríguez-Conde, Lázaro Molina, Alicia García-Puente, Paola González and Ana Segura
- ID 111** **MICROBIAL POPULATION DINAMIC DURING ISCO TREATMENT PROCESSES. LABORATORY ASSAYS AND FIELD MONITORING**
Fco. Javier Díaz-Puente, Oscar Pindado, Mar Nande, Carmen Fajardo, Susana del Reino, Manuel Rodríguez Rastrero, Olga Escolano, Rocio Millán and Margarita Martín
- ID 124** **DEVELOPMENT AND OPTIMIZATION OF A NEW PROCESS FOR RHAMNOLIPID PRODUCTION BY THE NEWLY ISOLATED HYDROCARBON DEGRADING BACTERIUM PSEUDOMONAS XANTHOMARINA USING REPONSE SURFACE METHODOLOGY**
Asma Salah, Mouna Mahjoubi, Mohamed Neifar, Habib Chouchane, Atef Jouani, Ameer Cherif and Ahmed Masmoudi
- ID 126** **THE INFLUENCE OF SAPONINS FROM *SAPINDUS MUKOROSI* ON DIESEL OIL BIODEGRADATION**
 Wojciech Smulek, Agata Zdarta and Ewa Kaczorek
- ID 151** **EFFECT OF COMPOST ON BIODEGRADATION OF POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) AND MICROBIAL COMMUNITY STRUCTURE IN SOIL**
Fengxiao Zhu, Nicholas Clipson and Evelyn Doyle
- ID 169** **FUNGAL TREATMENT OF LANDFILL MINING FINE FRACTION TO INCREASE ITS STABILITY AND END-USE POTENTIAL**
 Marja Palmroth, Tiina Mönkäre and Kari Steffen
- ID 190** **ABUNDANCE OF THE SAL⁺ PHENOTYPE IN SOIL *PSEUDOMONAS***
Olesya Sazonova, Irina Kosheleva, Tatiana Izmalkova and Alexander Boronin
- ID 191** **BIOREMEDIATION APPROACH TO DIESEL CONTAMINATION AT AN UNDERGROUND STORAGE TANK SITE: ANALYSIS OF THE MICROBIAL CENOSIS RESPONSE TO A COMPLEX POLLUTION**
M. Andreolli, N. Albertarelli, S. Lampis, L. Brignoli and G. Vallini
- ID 216** **geneCARD-FISH DETECTION OF ALKB GENES IN *ALCANIVORAX BORKUMENSIS* SK2^T BY A NOVEL WHOLE DETECTION ASSAY BASED ON GENE HYBRIDIZATION**
 Bruna Matturro, Emanuela Frascadore, Simone Cappello and Simona Rossetti
- ID 261** **THE IMPACT OF BENZO[A]PYRENE ON GARDEN CRESS LEAVES MAIN METABOLISM AND GLUCOSINOLATE COMPOSITION**
 Mariam Betsiashvili, Ulrike Holzgrabe, Christine Weber, Stefanie Bank and David Bedoshvili
- ID 321** **CONSTRUCTION OF CHEMOSTAT ARRAYS FOR THE STUDY OF PAHs BIODEGRADATION BY BACTERIAL CONSORTIA UNDER DISTURBANCES**
Ben Stenuit and Spiros N. Agathos
- ID 332** **OCCUPATIONAL BIOHAZARD IN THE REMEDIATION OF INDUSTRIAL POLLUTED SITES**
 Biancamaria Pietrangeli and Domenico Davolos
- ID 345** **BIODEGRADATION OF LIGHT CRUDE OIL BY *ALCALIGENES FAECALIS* OV1**
Blazo Lalevic, Vera Raicevic, Iva Atanaskovic, Jelena Jovic, Dragan Kikovic and Jelena Jovicic Petrovic
- ID 375** **RECOVERY OF PETROLEUM HYDROCARBONS FROM REFINERY SLUDGE BY BIOSURFACTANT PRODUCING *BACILLUS PUMILUS* KS2**
Kaustuvmani Patowary and Suresh Deka
- ID 387** **ROLE OF SPORE-FORMING *FIRMICUTES* IN THE ANAEROBIC DEGRADATION OF HYDROCARBONS**
Ana Suárez-Suárez, Carolyn M. Aitken, Martin Jones, Angela Sherry, Neil Gray, Casey R.J. Hubert, Steve Larter and Ian M. Head
- ID 388** **IDENTIFICATION OF GREEN MICROALGAE SPECIES ABLE TO REDUCE PHENANTHRENE CONTENT IN CULTURE MEDIUM**
 Pasquale Chiaiese, Palmira Di Donna, Francesca Palomba, Rosalia Scelza, Giuseppe Di Rauso Simeone, Antonino Pollio, Gabriele Pinto, Maria Antonietta Rao and Edgardo Filippone
- ID 394** ***OLEISPIRA ANTARTICA* AS INSTRUMENT TO COMBAT OIL SPILL DISASTERS IN COLD ENVIRONMENT**

ID 399	Gabriella Gentile, Giovanna Maimone, Santina Santisi, Catalfamo Maurizio, Martina Bonsignore, Michail M. Yakimov, Renata Denaro, Maria Genovese, Laura Giuliano, Lucrezia Genovese and <u>Simone Cappello</u>
	OIL DESTRUCTIVE ACTIVITY OF EXOPOLYSACCHARIDE-PRODUCING STRAINS OF YEAST-LIKE FUNGUS <i>AUREOBASIDIUM PULLULANS</i>
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