

LIST OF POSTERS

All posters will be on display during the whole meeting.

Poster presenters are asked to be present during their poster session on

MONDAY, JUNE 26, 2017

16:30 – 18:00 POSTER SESSION

Moderated poster walk for authors of **odd-numbered** posters. (Posters P1, P3, P5 ...)

WEDNESDAY, JUNE 28, 2017

15:30 – 17:00 POSTER SESSION

Moderated poster walk for authors of **even-numbered** posters. (Posters P2, P4, P6 ...)

- P1. **Biology of Zn and Cd in Transgenic Ectomycorrhizal Symbiont *Hebeloma mesophaeum***
Beneš V., Kněžičková S., Kotrba P. | University of Chemistry and Technology, Prague, Czech Republic
- P2. **Microbial Community of Spruce Needles (*Picea abies*) in Relation to Arsenic and Antimony Contents of Tree Bark and Needles**
Wäli P.R.¹, Middleton M.², Sutinen, R.², Ruotsalainen A.L.¹, Markkola A.¹ | ¹University of Oulu, Finland, ²Geological Survey of Finland GTK, Rovaniemi, Finland
- P3. **Isolation of Lanthanide Binding Compounds from Potential Biosorbents**
Jurkowski W.¹, Heilmann M.², Becker A.M.², Buchholz R.², Brück T.¹ | ¹Technical University of Munich, Germany, ²Friederich-Alexander-Universität Erlangen-Nürnberg, Germany
- P4. **Phytoremediation of Metal-Contaminated Soils and Sediments by Hemp and Giant Reed as Implemented by Selected Bacteria and Chelating Agents**
Spini G.¹, Ferrarini A.¹, Fontanella M.C.¹, Fracasso A.¹, Loda M.², Pezzeri G.², Beone G.M.¹, Amaducci S.¹, Puglisi E.¹ | ¹Università Cattolica del Sacro Cuore, Piacenza, Italy, ²External collaborators
- P5. **Total Chromium and Manganese Contents of Some Soils and Naturally – Grown Plants of Sub – Saharan Region of Bagwai, Kano – Nigeria**
Kiyawa S. A. | Northwest University, Kano – Nigeria
- P6. **Preparation and Examination of Pectin-Based Biosorbents with Hydrous Titanium Dioxide Additive for Heavy Metal Ions Removal**
Bok-Badura J., Jakóbič-Kolon A., Kazek-Kęsik A., Mitko K. | Silesian University of Technology, Gliwice, Poland
- P7. **Electrolytic Recovery of Zinc from Stripping Solutions after Biosorption on Pectin-Based Beads**
Babilas D., Maciej A., Bok-Badura J., Jakóbič-Kolon A. | Silesian University of Technology, Gliwice, Poland

- P8. **Environmental Performance of Heavy Metal Biosorption – Desorption Processes Using Soybean/ Waste Biomass. A Life Cycle Approach.**
Fertu D. I., Simion I. M., Rosca M., Bulgariu L., Gavrilescu M. | “Gheorghe Asachi” Technical University of Iasi, Romania
- P9. **The Comparative Characteristics of Siderophore Production by Some *Pseudomonas* Strains**
Rusakova M., Vasyliov M., Ovchinnikov S. | I. I. Mechnikov Odessa National University, Odessa, Ukraine
- P10. **Insights Into Uranium Tolerance of *Microbacterium oleivorans* A9 by Proteogenomic Analyses**
Chapon V.¹, Gallois N.¹, Alpha-Bazin B.², Ortet P.¹, Barakat M.¹, Long J.¹, Piette L.¹, Zirah S.³, Kish A.³, Armengaud J.², Berthomieu C.¹ | ¹CEA, CNRS, Aix-Marseille Université, Saint-Paul-lez-Durance, France, ²CEA, DRF/ISVFI/SPI/Li2D, Bagnols-sur-Cèze, France, ⁴MCAM, UMR 7245 CNRS/Muséum National d’Histoire Naturelle, Paris, France
- P11. **Degradation of Selected PCB Derivatives by the White-Rot Fungus *Pleurotus ostreatus***
Šrédlová K.^{1,2}, Cajthaml T.^{1,2} | ¹Institute of Microbiology, Academy of Sciences of the Czech Republic, Prague, Czech Republic, ²Institute for Environmental Studies, Charles University in Prague, Czech Republic
- P12. **Biodegradation of Psychopharmaceuticals by Oyster Mushroom**
Křesinová Z.^{1,2}, Krejčová L.¹, Linhartová L.², Cajthaml T.^{1,2} | ¹Institute of Microbiology, Academy of Sciences of the Czech Republic, Prague, Czech Republic, ²Institute for Environmental Studies, Charles University in Prague, Czech Republic
- P13. **Can Microorganisms Biodegrade Antimicrobial Compounds?**
Petrů K.^{1,2}, Křesinová Z.^{1,2}, Linhartová L.², Cajthaml T.^{1,2} | ¹Institute of Microbiology Academy of Sciences of the Czech Republic, Prague, Czech Republic, ²Institute for Environmental Studies, Charles University in Prague, Czech Republic
- P14. **Fungal Batch Bioreactor as an Effective Tool for Degradation of Endocrine Disruptor Compounds**
Linhartová L.^{1}, Křesinová Z.^{1,2}, Filipová A.^{1,2}, Ezechiáš M.^{1,2}, Cajthaml T.^{1,2} | ¹Institute of Microbiology Academy of Sciences of the Czech Republic, Prague, Czech Republic, ²Institute for Environmental Studies, Charles University in Prague, Czech Republic*
- P15. **Biosurfactants for Improving Phytoremediation of Soils Polluted with Oil Hydrocarbons**
Pruidze M.¹, Khatishvili G.¹, Khuskivadze N.¹, Karpenko E.², Karpenko O.² | ¹Agricultural University of Georgia, Tbilisi, Georgia, ²Physical-Organic Chemistry Institute, National Academy of Sciences of Ukraine, Lviv, Ukraine
- P16. **Algae Spirulina as a Tool for Removing 2,4,6-Trinitrotoluene from Polluted Water**
Kurashvili M., Gigolashvili G., Chokheli L., Ananiashvili T., Japarashvili S., Zaalishvili G., Gordeziani M. | Agricultural University of Georgia, Tbilisi, Georgia
- P17. **Investigation of Microbial Devices for Hydrogen Generation Using Electrochemical Methods**
Rozenfeld S., Schechter A., Cahan R. | Ariel University, Israel
- P18. **Electric Field Induction for Biological Treatment of Wastewater**
Emanuel E., Pogreb R., Cahan R. | Ariel University, Israel

- P19. **Characterization of Microbial Hydrocarbonoclastic Activity and Comparison of Different Protocols in Bioremediation of Dredged Sediments**
Andreolli M.¹, Lampis S.¹, Brignoli P.², Doni S.³, Masciandaro G.³, Vallini G.¹ | ¹University of Verona, Italy, ²Eurovix SpA, Cazzago San Martino, BS, Italy, ³National Research Council, Institute of Ecosystem Study, Pisa, Italy
- P20. **Selection and Identification of Strains of Soil Bacteria with Potential Use in Soil Bioremediation**
Lisek A., Sas Paszt L., Trzciński P. | Research Institute of Horticulture, Skierniewice, Poland
- P21. **Removal and Transformations of Benzotriazole in Aerated Biofilters with Manganese Oxides**
Sochacki A.^{1,2}, Felis E.¹, Magiera S.¹, Michalska J.K.¹, Kalka J.¹ | ¹Silesian University of Technology, Gliwice, Poland, ²Czech University of Life Sciences Prague, Czech Republic
- P22. **Removal and Transformations of Benzothiazole and Benzotriazole In Constructed Wetlands Combined with Solar Light Post-Treatment**
Sochacki A.^{1,2}, Felis E.¹, Magiera S.¹, Kalka J.¹ | ¹Silesian University of Technology, Gliwice, Poland, ²Czech University of Life Sciences Prague, Czech Republic
- P23. **Isolation and Characterization of Soil Bacteria Degrading a Fungicide Difenconazole**
Jae-Hyung A., Jaehong Y., Se-Weon Lee, Byeong-Hak H. | National Institute of Agricultural Sciences, Republic of Korea
- P24. **Rhizobia Modified Pseudo-Phytochelatin Gene in Bioremediation**
Vershinina Z.R., Hakimova L.R., Serbaeva E.R., Lavina A.M., Baimiev Al.Kh. | Institute of biochemistry and genetics of Ufa Science Centre RAS, Bashkortostan, Ufa, Russia
- P25. **Metagenomic Analysis of a Soil PCB-Degrading Microbial Consortium**
Garrido-Sanz D., Manzano J., Martin M., Rivilla R., Redondo-Nieto M. | Universidad Autónoma de Madrid, Spain
- P26. **Genome Sequence of the Metabolically Versatile Plant Growth-Promoting Rhizobacterium *Pseudomonas lini* S211, Isolated from Pesticide Contaminated Agricultural Soil, Reveals Biocontrol, Biofertilization and Bioremediation Potentialities**
Hassen W.¹, Neifar M.¹, Najjari A.², Cherif H.¹, Naili F.¹, Bejaoui B.¹, Mahjoubi M.¹, Raddedi N.³, Ouzari H. I.², Ameer Ch.¹ | ¹Université de la Manouba, Ariana, Tunisia, ²University of Tunis El Manar, Tunisia, ³University of Bologna, Italy
- P27. **Plant–Microbe Synergy: An Innovative, Sustainable Tool to Improve Air Quality**
Stevens V., Thijs S., Weyens N., Vangronsveld J. | Hasselt University, Diepenbeek, Belgium
- P28. **Changes in Bacterial Diversity in Bioremediated Soil and Role of Plant Secondary Metabolites in Bioremediation Enhancement**
López-Echartea E.¹, Matějů V.², Kycłt R.², Macek T.¹, Uhlík O.¹ | ¹University of Chemistry and Technology, Prague, Czech Republic, ²ABITEC s.r.o., Prague, Czech Republic
- P29. **Halophytes and Plant Growth Promoting Rhizobacteria (PGPR) for Phytoremediation of Metal Polluted Salt Marshes**
Paredes-Páliz K.I., Pajuelo-Domínguez E., Mateos-Naranjo E., Caviedes MA. | University of Seville, Spain

- P30. **Pollutant Emissions from Trees's Charcoal Production**
Anker Y., Sweet E. | Ariel University, Israel
- P31. **Developing a Tool for Monitoring Carbonic Anhydrase Activity in Soil**
Jho E. H., Hong J.-K. | Hankuk University of Foreign Studies, Seoul, South Korea
- P32. **Bioremediation of Toxic Organic Pollutants Based on Biofilm Immobilized to Agricultural Waste**
Dabush I., Rosenberg A., Cahan R. | Ariel University, Israel
- P33. **Using Soil Nematodes as Indicators of Soil Quality Improvement While Cultivating *Miscanthus x giganteus* at the Military Contaminated Site in Kurakhovo, Ukraine**
Stefanovska T.¹, Pidlisnyuk V.², Skwiercz A.³, Kava L.¹, Medkov A.¹, Obruch M.¹, Yaschuk S.¹ | ¹National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine, ²University of Jan Evangelista Purkyně, Ústí nad Labem, Czech Republic, ³Warmia and Mazury University, Gdunya, Poland
- P34. **Soil Microbial Community Characteristics in Military Contaminated Land During Phytotechnology with *Miscanthus x giganteus***
Nebeská D.¹, Pidlisnyuk V.¹, Trögl J.¹, Veronesi-Dáňová P.¹, Seidlová L.¹, Kuráň P.¹, Erickson L.², Davis L.² | ¹University of Jan Evangelista Purkyně, Ústí nad Labem, Czech Republic, ²Kansas State University, Manhattan, USA
- P35. **Response of Soil Microbial Diversity on Different Long-Term Fertilization**
Kračmarová M., Stiborová H., Uhlík O., Strejček M., Demnerová K. | University of Chemistry and Technology, Prague, Czech Republic
- P36. **Assessment of Plant-Associated Bacterial Community of *Miscanthus x giganteus* and Its Response to Metal Stress**
Zadel U., Nesme J., Radl V., Schröder P., Schloter M. | Helmholtz Zentrum München, Neuherberg, Germany
- P37. **Abundance of Antibiotic Resistance Genes in Soils Amended by Different Organic Fertilizers**
Kračmarová M., Veselá T., Demnerová K., Stiborová H. | University of Chemistry and Technology, Prague, Czech Republic
- P38. **Biotransformation of Waste Products from Poultry Industry**
Stiborova H., Lovecka P., Vesela T., Branska B., Patakova P., Jiru M., Demnerova K. | University of Chemistry and Technology, Prague, Czech Republic
- P39. **Microbial Production of Lactic Acid Using the Chicken Feather as an Inexpensive Source of Nitrogen**
Drahokoupil M., Paulová L., Patáková P. | University of Chemistry and Technology, Prague, Czech Republic
- P40. **Effects of Natural and Synthetic Zeolites on Biogas Production Process**
Wojcieszak M., Drewniak L. | University of Warsaw, Poland
- P41. **Development of Bioremediation Process for Treating Soil Pollutants Based on Immobilized Biofilm to Carriers Treated with Cold Plasma**
Farber R., Cahan R. | Ariel University, Israel

- P42. **Encapsulation of Sophorolipids and Cyclodextrins Into Polyester Microspheres and Hydrogels for Their Delivery to Marine Sediments**
Rosato A., Zanaroli G., Sisti L., Fabbri P., Celli A., Fava F. | University of Bologna, Italy
- P43. **Analysis of Microbial Activity During *In Situ* Biostimulation of Cr(VI) Polluted Sediments**
Flores F., Moreno I., Jiménez V., Lara P., Juárez K. | Instituto de Biotecnología de la Universidad Nacional Autónoma de México, Cuernavaca Morelos, México
- P44. **Reduction of Trace Elements Toxicity by Humic Substances**
Perelomov L.¹, Belyaeva V.¹, Teplyakova K.¹, Burdina E.¹, Sizova O.², Atroshchenko Y.¹ | ¹Tula State Lev Tolstoy Pedagogical University, Tula, Russia, ²Institute of Biochemistry and Physiology of Microorganisms of RAS, Pushchino, Russia
- P45. **Role of Endophytic and Rhizosphere Bacteria Associated to *Salix atrocinerea* in Phytoremediation of Arsenic-Contaminated Industrial Soils**
Navazas A.^{1,2}, Mesa V.¹, Thijs S.², Weyens N.², Cuyper A.², Peláez A.¹, González A.¹ | ¹Universidad de Oviedo, Spain, ²Hasselt University, Belgium
- P46. **In-Situ Biodegradation of Contaminated Groundwater Aquifers Using Slow-Releasing Oxygen Sources**
Mohamed M. M. | United Arab Emirates University, Al Ain, United Arab Emirates
- P47. **Effects of Biodiversity of Polycyclic Aromatic Hydrocarbon (PAH)-Degrading Consortia on System Functionality and Robustness**
Augelletti F.¹, Agathos S. N.^{1,2}, Stenuit B.¹ | ¹Catholic University of Louvain, Louvain-la-Neuve, Belgium, ²Yachay Tech University, San Miguel de Urcoquí, Ecuador
- P48. **Decreased Physical Soil Degradation with the Use of Waste Food Production**
Dmitrenko V. N., Shchepotyev V. N., Kutovaya O. V. | Soil Institute V.V. Dokuchaev, Moscow, Russia
- P49. **Bioremediation Potential of Laccase – Keratinase Producing and Dye Degrading Extremophilic Bacterium *Bacillus Subtilis* 4BC Isolated from a Tannery Wastewater**
Quertani R.¹, Neifar M.¹, Mahjoubi M.¹, Chouchane H.¹, Mosbah A.¹, Souissi Y.¹, Golgi C.², Khdhira H.³, Ben Ammar S.³, Cherif A.¹ | ¹Université de la Manouba, Ariana, Tunisia, ²National Leather and Shoes Center, Ben Arous, Tunisia, ³Tannerie Mégisserie du Maghreb Company, Grombalia, Tunisia
- P50. **Newly Acidophilic Bacteria Distributed in Akhtala Tailing (Armenia)**
Margaryan A., Mirzoyan S., Shahinyan G., Panosyan H., Trchounian A. | Yerevan State University, Yerevan, Armenia
- P51. **Antibiotic Resistance Genes in Wastewaters and Their Fate in Fungal-Based Wastewater Treatment Processes**
Svobodová K., Adámek M., Petrůčková D. | Institute of Microbiology of the CAS, Prague, Czech Republic
- P52. **Characterization of Plant Biomass Processed for Bioethanol Production**
Niazov B.¹, Nakonechny F.¹, Anker Y.², Lugovskoy S.¹, Nisnevitch M.¹ | ¹Ariel University, Israel, ²Judea Industrial R&D Center, Ariel, Israel

- P53. **Bacterial Strains from Black Crusts on Stone Monuments, Able to Degrade Pahs and Featuring Carbonatogenic Activity, as Potential Agents for Bio-Cleaning and Bio-Consolidation of Historical Buildings**
Andreolli M.¹, Lampis S.¹, Calò S.², Vallini G.¹ | ¹University of Verona, Italy, ²OPERA s.r.l., Vicenza, Italy
- P54. **Novel Method to Improve Pesticide Degradation in Biobed Bioremediation Systems with Biobed-Teas**
Aguilar L., Delgado-Moreno L., Nogales R., van Dillewijn P., Romero E. | Estación Experimental del Zaidín CSIC, Granada, Spain
- P55. **Ti Bacterial Subsistence and Degradation of Specific Antibiotics in Relation to Wastewater Treatment**
Lee Fen Amrein M.¹, Corvini P. F.-X.^{1,2} | ¹University of Applied Sciences and Arts Northwestern Switzerland, Muttenz, Switzerland, ²Nanjing University Xianlin Campus, Nanjing, China
- P56. **Arsenic Uptake by Lettuce from As-Contaminated Soil Remediated with *Pteris vittata* and Organic Amendment**
de Oliveira L. M.^{1,2}, Suchismita D.³, Gress J.¹, Rathinasabapathi B.², Chen Y.¹, Ma L. Q.^{1,2} | ¹Nanjing University, Jiangsu, China, ²University of Florida, Gainesville, USA, ³Assam University, Silchar, India
- P57. **Isolation and Selection of Biosurfactant – Producing Endophytic Bacteria from Plants Grown in Contaminated Soil (The South of Algeria)**
Baoune H., Bakini B., Satara S., Aminata O. H. K. | Université de Kasdi Merbah Ouargla, Algeria
- P58. **Utilization of Cre-Lox System from Bacteriophage P1 for Preparation of Transgenic „Marker-Free“ Crops**
Rehorova K., Suman J., Viktorova J., Macek T. | University of Chemical Technology, Prague, Czech Republic
- P59. **Characterisation of Biologically Active Substances from *Calendula officinalis***
Lovecká P., Macůrková A., Tůmová K., Demnerová K. | University of Chemical Technology, Prague, Czech Republic
- P60. **Raw Material Recovery from Mining Wastes Applying Aerobic Bacteria**
Balázs M., Kesserű P., Tolmacsov P., Mekler Cs., Kiss I. | Bay Zoltán Nonprofit Ltd., Szeged, Hungary
- P61. **Investigation of the Iron Solubilization Ability of Natural Phosphorus Mobilizing Bacteria**
Kesserű P.^{1,2}, Balázs M.¹, Tolmacsov P.¹, Mekler Cs.¹, Kiss I.¹ | ¹Bay Zoltán Nonprofit Ltd., Szeged, Hungary, ²Carbiotech Research Ltd., Szeged, Hungary
- P62. **Investigation of Microbial Devices for Hydrogen Generation Using Electrochemical Methods**
Rozenfeld S., Schechter A., Cahan R. | Ariel University, Israel
- P63. **Cooperation of Fungi and Microorganisms on Phenanthrene Degradation**
Vrchatová B., Horáková V., Lovecká P. | University of Chemical Technology, Prague, Czech Republic

- P64. **Assessment of Substrate Specificity of (Halo)Biphenyl and (Halo)Benzoate Dioxygenases Mined from Soil Metagenomes**
Šuman J., Strejček M., Čapek J., Uhlík O. | University of Chemical Technology, Prague, Czech Republic
- P65. **The Effect of Soil Bioaugmentation with Endophytic *Pseudomonas* Sp. 16 Strain on Heavy Metals Uptake by White Mustard**
Płociniczak T., Chodór M., Piotrowska-Seget Z. | University of Silesia in Katowice, Poland
- P66. **Screening of Effective Bacteria in Biological Absorption of Selenium from the Tailings Dam, Sarcheshmeh Copper Complex**
Meybodi SM., Sarabandi A. | Islamic Azad University, Tonekabon, Iran
- P67. **Enhanced Extraction Method for the Isolation of Difficult-To-Culture Soil Bacteria**
Lopez Marin M. A., Junková P., Šantrůček J., Strejček M., Uhlík O. | University of Chemical Technology, Prague, Czech Republic
- P68. **Duckweed in the Pond: Phytoremediation of Perch-Trout Aquaculture Wastewater**
Hernandes W.S.S., Gilmer A., Cassidy J., Byers V. | Dublin Institute of Technology, Ireland
- P69. **3D Printing of Anammox Biofilms**
Hausherr D., Kolvenbach B. A., Shahgaldian P., Corvini P. F.-X. | FHNW, Muttenz, Switzerland