

Poster Presentations

Symposium IV: Extracellular Enzymes: Functional Diversity and Ecosensors

Poster Number	Title	Authors/Affiliations
4 P-1	RELATIONSHIP BETWEEN HYDROLYTIC AND OXIDATIVE ENZYMES ACTIVITIES AS A POTENTIAL INDICATOR OF SOIL ORGANIC MATTER QUALITY IN URBAN SOILS	<u>Marina ANISIMOVA*</u> (marina.anisimova@rub.de), Bernd MARSCHNER , <i>Ruhr-Universitaet Bochum, Institute of Geography, Soil Science/Soil Ecology, Germany</i> ; Natalia GIRO, Sergey GORBOV, Olga BEZUGLOVA , <i>Southern Federal University, Academy of Biology and Biotechnology, Rostov-on-Don, Russia</i>
4 P-2	MASS SPECTROMETRY BASED INVESTIGATIONS ON THE ENZYMATIC TRANSFORMATION OF TRACE ORGANIC CHEMICALS	<u>Lara F. STADLMAIR*</u> (lara.stadlmair@tum.de), Johanna GRASSMANN, Jörg E. DREWES, Thomas LETZEL , <i>Chair of Urban Water Systems Engineering, TU Munich, Garching, Bavaria, Germany</i>
4 P-3	ANAEROBIC DISSIMILATORY NITRATE REDUCTION TO AMMONIUM (DNRA) IN TWO SCOTTISH FEN SOILS	<u>Innocent IBA*</u> (r01iui14@abdn.ac.uk), Nicholas MORLEY , and Elizabeth BAGGS ; <i>Institute of Biological and Environmental Sciences, University of Aberdeen, Scotland, UK</i>
4 P-4	SOIL pH: A KEY FACTOR IN THE TOXICITY OF ORGANOCHLORINE COMPOUNDS IN SOIL	Diana BELLO^{1*}, M. Carmen LEIRÓS², Fernando GIL-SOTRES², Carmen TRASAR-CEPEDA¹ (ctrasar@iiag.csic.es)

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4 P-5 DOES THE SOM CONTENT REGULATE THE TOXICITY OF DICHLOROPHENOLATE COMPOUNDS IN SOIL?

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4 P-6 ENZYMATIC ACTIVITY OF MEDIEVAL ABANDONED LANDS

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4 P-7 IMPORTANCE OF AGRICULTURAL PRACTICES ON FUNCTIONAL

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4 P-8 ENZYMATIC ACTIVITIES AND MICROBIAL BIOMASS AS AFFECTED BY GLYPHOSATE UNDER CONSERVATION AND CONVENTIONAL AGRICULTURE

Andrea FERRARINI*
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4 P-9 SOIL ENZYME ACTIVITIES FOLLOWING RECLAMATION OF BANKHEAD NATIONAL FOREST

Dessy A. OWITI , Terrence G. GARDNER* (Tggardne@ncsu.edu), *North Carolina State University, Department of Soil Science, Raleigh, NC, USA,;* **Irenus A. TAZISONG, and Zachary N. SENWO,** *Alabama A&M University, Normal, AL, USA*

4 P-10 RAPID DETECTION OF ROTATION AND NUTRIENTS INPUT LEVEL

Flavio FORNASIER*

- ON SOIL CARBON AND BIOLOGICAL PROPERTIES IN A FIELD TRIAL AFTER 25 OF ESTABLISHMENT (flavio.fornasier@crea.gov.it),
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Lamberto BORRELLI, CREA-FLC,
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- 4 P-11** SENSITIVE MONITORING OF SOIL AMENDMENT AND SOLARIZATION BY HIGH-THROUGHPUT SOIL ENZYME AND MICROBIAL BIOMASS METHODS
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Luigi MORRA, CREA- Cereals and Industrial Crops, Caserta, Italy
- 4 P-12** RAPID EVALUATION OF HEAVY METALS IMPACT ON BIOCHEMICAL ACTIVITY AND MICROBIAL SIZE IN SOILS AROUND ZANGEZUR COMBINE, ARMENIA
Flavio FORNASIER*, *Council for Agricultural Research and Economics, Gorizia, Italy,* **Karen GHAZARYAN, Hasmik MOVSESYAN**
(hasmikmov@ysu.am), **Naira GHAZARYAN, Ecology and Nature Protection Department, Yerevan State University, Yerevan, Republic of Armenia**
- 4 P-13** BIOCHAR ADDITION TO SOIL ACROSS A pH GRADIENT INFLUENCES ONLY ARYLSULFATASE AND LEUCINE-AMINOPEPTIDASE ACTIVITY
Flavio FORNASIER*
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CREA-RPS, Gorizia, Italy; **Gemini DELLE VEDOVE** *Dep. of Agriculture, Food, Environment and Animal Sciences. University of Udine, Italy*
- 4 P-14** PHOSPHATASE GENES AND ACTIVITY UNDER LOW- AND HIGH-
Éva MÉSZÁROS*

PHOSPHORUS AVAILABILITY CONDITIONS IN TEMPERATE FOREST SOILS

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4 P-15 ATTRIBUTING BIOLOGICAL CONTROLS ON RECENT CHANGES IN CARBON CYCLING IN ORGANIC SOILS

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