

Poster Presentations

Symposium IX: Methods: Microplate vs. Bench Assays

Poster Number	Title	Authors/Affiliations
9 P-1	EARLY BIOFOULING DETECTION USING FLUORESCENTLY MEASURED EXTRACELLULAR ENZYME ACTIVITY	<u>Babar KHAN*</u> (babar.khan.2@kaust.edu.sa), TorOve LEIKNES, <i>King Abdullah University of Science and Technology, Thuwal, Saudi Arabia</i>
9 P-2	SOIL ZYMOGRAPHY – AN IN SITU METHOD FOR ENZYME ACTIVITY IN SOIL	<u>Marie SPOHN*</u> (marie.spohn@uni-bayreuth.de), <i>Department of Soil Ecology, Bayreuth Center of Ecology and Environmental Research (BayCEER), University of Bayreuth, Germany</i>
9 P-3	INVESTIGATING THE ENZYMATIC ACTIVITY IN MANAGED AQUIFER RECHARGE SYSTEMS - CHALLENGES AND LIMITATIONS IN METHOD DEVELOPMENT	<u>T. BURKHARDT*</u> (t.burkhardt@tum.de), J. GRASSMANN, T. LETZEL, J. E. DREWES , <i>Chair for Urban Water Systems Engineering, TU Munich, Garching, Germany</i>
9 P-4	ENZYMATIC HYDROLYSIS OF POLYESTER FILMS INVESTIGATED BY NOVEL EXPERIMENTAL APPROACHES	<u>Michael ZUMSTEIN*</u> (michael.zumstein@usys.ethz.ch), Kristopher McNEILL, Michael SANDER <i>Department of Environmental Systems Science, ETH Zurich, Switzerland</i> ; Hans-Peter KOHLER, <i>Department of Environmental Microbiology, EAWAG, Switzerland</i>
9 P-5	HIGH-THROUGHPUT, SENSITIVE ENZYME ACTIVITY QUANTITATION FOR ENVIRONMENT INVESTIGATIONS AT DIFFERENT SCALES	<u>Flavio FORNASIER*</u> (flavio.fornasier@crea.gov.it); <i>Council for Agricultural Research and Economics, Gorizia, Italy</i> ; Hervé QUIQUAMPOIX <i>INRA, Montpellier,</i>

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- 9 P-6** VECTOR ANALYSIS: A SIMPLE METHOD FOR QUANTIFYING COUPLED C, N, AND P ENZYME ACTIVITIES **Daryl MOORHEAD, Michael WEINTRAUB*** (michael.weintraub@utoledo.edu), *University of Toledo Department of Environmental Sciences, Toledo, Ohio USA*
- 9 P-7** BIOCHEM-ENV, A PLATFORM OF ENVIRONMENTAL BIOCHEMISTRY FOR RESEARCH **Nathalie CHEVIRON*** (nathalie.cheviron@versailles.inra.fr), **Virginie GRONDIN, Sylvie NELIEU, Christian MOUGIN**, *UMR ECOSYS, INRA, AgroParisTech, Université Paris-Saclay, Platform Biochem-Env, Versailles, France*
- 9 P-8** SENSITIVE MONITORING OF SOIL FERTILITY IN THE VALPOLICELLA VALLEY BY THE “FERTIMETRO” TOOL AND A HIGH-THROUGHPUT ENZYME METHOD **Flavio FORNASIER*** (flavio.fornasier@crea.gov.it), *CREA-RPS, Gorizia, Italy; Andrea Fasolo, Piergiorgio Stevanato, Marco Bertaggia, Andrea Squartini and Giuseppe Concheri, Department of Agronomy Food Natural Resources Animals and Environment (DAFNAE), University of Padua, Italy*
- 9 P-9** MEASUREMENT OF TOTAL AND EXTRACTABLE ENZYME ACTIVITY FROM SOIL AND DECOMPOSING LITTER **Andrea FERRARINI*** (andrea.ferrarini@unicatt.it), **Stefano AMADUCCI**, *Department of Sustainable Crop Production, Università Cattolica del Sacro Cuore, Piacenza, Italy; Flavio FORNASIER*, *Council for Agricultural Research and Economics, Gorizia, Italy; Hervé QUIQUAMPOIX INRA, Montpellier, France*
- 9 P-10** RAPID, HIGH-THROUGHPUT, MULTI-ENZYME ACTIVITY **Flavio FORNASIER***, *Council for Agricultural*

ASSAY FOR MARINE SOILS

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9 P-11 HIGH-THROUGHPUT SPECTROPHOTOMETRIC ASSAY OF
POTENTIAL SOIL NITRATE REDUCTASE ACTIVITY

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9 P-12 IS THERE A SUITABLE UNIVERSAL SOIL STORAGE METHOD
FOR DETERMINING ENZYMATIC ACTIVITIES?

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