

EUROSOIL 2012 Scientific Session Planning

MONDAY 2		SPACE 7			
OPENING CEREMONY - WELCOMING ADDRESSES					
3 PLENARY LECTURES: SPARKS D. L., HORN R., MONTANARELLA L.					
08.30-10.00					
10.30-12.00					
MONDAY 2					
13.30-15.00	BLOCKS	ACERO	OLMO	LECCIO	BIANCOSPINO
15.30-17.00	III	S03.01a	S10.01a	W12.01a	S11.01a
	IV	S03.01b	S10.01b	W12.01b	S11.01b
				POSTER AREAS	
17.00-18.30	POSTER PRESENTATIONS	S03.01-P	S07.05-P	S12.04-P	S11.08-P
		S10.01-P	S06.02-P	S13.05-P	S04.04-P
				WELCOME RECEPTION	
18.30-20.00					
TUESDAY 3					
08.30-10.00	BLOCKS	ACERO	OLMO	LECCIO	BIANCOSPINO
10.30-12.00	I	S03.01c	S10.01c	S06.04	S10.03a
13.30-15.00	II	S12.07a	S05.01a	S03.02a	S10.03b
15.30-17.00	III	S12.07b	S05.01b	S03.02b	S10.03c
	IV	S12.07c	S05.01c	S03.02c	S13.02
17.00-18.30	POSTER PRESENTATIONS	S12.07-P	S02.04-P	S08.01-P	S10.03-P
		S05.01-P	W11.01-P	S07.02-P	S06.04-P
				POSTER AREAS	
18.30-20.00	SPECIAL EVENTS				
				LECCIO	BIANCOSPINO
				BM04	BM03
					R01
WEDNESDAY 4					
08.30-10.00	BLOCKS	ACERO	OLMO	LECCIO	BIANCOSPINO
10.30-12.00	I	S07.04	S06.01a	S08.02a	S01.01a
13.30-15.00	II	S11.02a	S06.01b	S08.02b	S01.01b
15.30-17.00	III	S11.02b	S06.01c	S01.04	S02.05a
	IV	S11.02c	S12.02	S11.07	S02.05b
17.00-18.30	POSTER PRESENTATIONS	W05.01-P	S01.01-P	S01.04-P	S11.07-P
		S05.01-P	S04.05-P	S02.05-P	W03.01-P
		S08.02-P	S11.02-P	S04.06-P	
				POSTER AREAS	
18.30-20.00	SPECIAL EVENTS				
				ACERO	OLMO
				BM07	BM01
					R02
					R03
THURSDAY 5					
08.30-10.00	BLOCKS	ACERO	OLMO	LECCIO	BIANCOSPINO
10.30-12.00	I	S02.02	S02.03	S11.09a	S07.03a
13.30-15.00	II	S05.03a	S04.01a	S11.09b	S07.03b
15.30-17.00	III	S05.03b	S04.01b	S07.01a	S09.02
	IV	S05.03c	S04.01c	S07.01b	S09.01
17.00-18.30	POSTER PRESENTATIONS	S02.02-P	S07.01-P	S09.02-P	S08.04-P
		S05.03-P	S11.09-P	S04.07-P	S09.01-P
		S02.03-P	S07.03-P	S01.02-P	
				POSTER AREAS	
18.30-20.00	SPECIAL EVENTS				
				ACERO	OLMO
				BM05	BM02
					TD01
					OD01
FRIDAY 6					
08.30-10.00	BLOCKS	ACERO	OLMO	LECCIO	BIANCOSPINO
10.30-12.00	I	S04.02a	S12.01	S07.06a	S13.04
13.30-15.00	II	S04.02b	S07.07a	S07.06b	S12.06a
15.30-17.00	III	S11.03a	S07.07b	S12.04a	S12.06b
	IV	S11.03b	S07.07c	S12.04b	S08.03
17.00-18.30	POSTER PRESENTATIONS	S11.03-P	S12.05-P	S12.06-P	S12.03-P
		S12.01-P	S13.04-P	S10.02-P	S04.02-P
		S07.07-P	S13.01-P	S04.03-P	
				POSTER AREAS	
18.30-19.00	SPECIAL EVENTS				
				ACERO	OLMO
				CLOSING REMARKS	



4th International Congress
EUROSOIL 2012
Soil Science for the Benefit of Mankind and Environment
Fiera del Levante, Bari Italy - 2-6 July 2012



S01.01a - SOILS AND SEDIMENTS AS NATURAL ARCHIVES

Chair Persons:

Daniela Sauer, Hohenheim - Germany

Alexander Makeev, Moscow - Russian Federation

Wednesday 04 July 2012 from 08:30 to 10:00. Room Biancospino

S01.01a -1

ANCIENT DUNES AND PALEOSOLS OF THE SAHEL AND SAHARA IN EAST NIGER AS ARCHIVES OF PLEISTOCENE AND HOLOCENE CLIMATE CHANGES

Peter Felix-Henningsen, Giessen - Germany

S01.01a -2

LATE PLEISTOCENE-HOLOCENE TEPHRA AND VOLCANIC SOILS IN THE VESUVIUS FOOTHILL, SOUTHERN ITALY: RECONSTRUCTION OF TIME SPANS OF SOIL FORMATION AND CLIMATIC CHANGES

Fabio Scarciglia, Arcavacata di Rende (CS) - Italy

S01.01a -3

POLYGENETIC PODZOLS DEVELOPED OF SLOPE COVER-BEDS IN THE SUDETES MOUNTAINS (SW POLAND)

Cezary Kabala, Wroclaw - Poland

S01.01a -4

IDENTIFICATION AND QUANTIFICATION OF POSTSEDIMENTARY ROOT-DERIVED OM IN LOESS-PALEOSOL SEQUENCES USING LIPID MOLECULAR PROXIES

Martina Gocke, Bayreuth - Germany

S01.01a -5

SOIL WEATHERING AND ACCUMULATION RATES OF POORLY CRYSTALLINE PHASES DERIVED FROM A 1MA CHRONOSEQUENCE

Markus Egli, Zürich - Switzerland

S01.01a -6

DO SMOULDERING FIRES ALONG PEAT COLUMNS AFFECT PALEOENVIRONMENTAL RECONSTRUCTIONS?

Claudio Zaccone, Foggia - Italy



S11.02-P -17

ISOLATION, IDENTIFICATION AND SCREENING OF CELLULOLYTIC MICROORGANISMS FROM SOIL AND ORGANIC WASTE

Fraç Magdalena^{*[1]}, Oszust Karolina^[1], Siczek Anna^[1], Pastor Marta^[1]

^[1]Institute of Agrophysics Polish Academy of Sciences ~ Lublin ~ Poland

Cellulose degradation and its subsequent utilization is important for global carbon sources. The value of cellulose as a renewable energy source has made hydrolysis of this compound the subject of intense research and industrial interest. The aim of the study was evaluation of cellulolytic potential of microorganisms isolated from different environments. Microorganisms were isolated from soil, corn silage and fruit processing waste. The bacteria and fungi were cultured on agar medium with appropriate soil or waste extract and Martin medium, respectively. Screening of cellulose producers was done on minimal medium with 2% of cellulose addition. After plates inoculation, these were incubated at 26°C for 120 hours and flooded with Gram's iodine for every 24 hours and the zone of clearance around the colony were observed and measured. Microorganisms identification was done using sequencing analysis (MicroSEQ) with universal primers for bacteria (16S-rDNA) and fungi (D2-LSU). Metabolic characterization of microorganisms was done using BIOLOGTM system. The plates GEN-III and FF were used respectively for bacteria and fungi characterization. The metabolic pattern of particular guilds group (carbohydrates, amino acids, amines and amides, carboxylic acids, polymers and miscellaneous) was assessed for all microorganisms. Molecular identification indicated that investigated microorganisms belonged to the following bacteria and fungi genus: *Bacillus*, *Brevibacillus*, *Mucor*, *Fusarium*, *Aspergillus*, *Trichoderma* and *Penicillium*. Tested strains have potential in degradation of cellulolytic compounds, which could be useful in the first stage of methane fermentation process. Scientific work was funded from the budget for science by National Centre of Research and Development in Poland.