



PROGRAM

09:00

Opening Ceremony

KEYNOTE SPEAKER

09:15

COMBINING AREAL & POINT DATA IN GEOSTATISTICS INTERPOLATION: APPLICATIONS TO SOIL SCIENCE & MEDICAL GEOGRAPHY

Goovaerts P.

SESSION 1 - SOIL CHARACTERIZATION

10:15

MODELLING TRANSMISSIVITY IN FRACTURED AND WEATHERING HETEROGENEOUS GRANITES

Barbosa S., Almeida J.A. & Chambel A.

10:30

Coffee Break

10:45

SOIL CLASSIFICATION WITH STOCHASTIC SIMULATION AND MULTIDIMENSIONAL SCALING (MDS)

Fagioli da Silva A., Pereira M.J., Carneiro J., Zimback C.R., Landim P. & Soares A.

11:00

SPATIAL CHARACTERIZATION OF NON-STATIONARY PATTERNS: STOCHASTIC SIMULATION WITH COLLOCATED REFERENCE IMAGES

Matos A.L., Pereira A., Pereira M.J. & Soares A.

11:15

CHARACTERIZATION OF TPH GRADES IN SOILS POTENTIALLY CONTAMINATED WITH HYDROCARBONS

Roxo S. & Almeida J.A.

11:30

Discussion SESSION 1

11:45

Lunch



SESSION 2 - SOIL REMEDIATION

13:30 MONITORING THE PRODUCTION OF ORGANIC ACIDS DURING ANAEROBIC BIODEGRADATION OF DIFFERENT TYPES OF BIODIESEL TOGETHER WITH BENZENE

Danko A., Borges J.M. & Dias J.M.

13:45 EFFECTS OF PHARMACEUTICAL COMPOUNDS ON NITRIFICATION BY NITROSOMONAS EUROPAEA

Braçançã I., Pacheco J., Danko A., Domingues V.F & Delerue-Matos C.

14:00 THE APPLICATION OF STEAM ENHANCED DUAL PHASE EXTRACTION IN THE TREATMENT OF HIGH VISCOSITY OIL CONTAMINATED SOIL AND GROUNDWATER

Couto F. & Jackman S.

14:15 PHYSICO-CHEMICAL TECHNIQUES OF SOIL AND GROUNDWATER REMEDIATION - THE RECOMMENDED BY AUTORIDADES AND THE INDUSTRIAL PRACTICE IN PORTUGAL

Vila M.C., Bernardo C. & Ferreira A.C.

14:30 PERMEABLE BIO-REACTIVE BARRIER USING *PSEUDOMONAS STUTZERI*

Ferreira F., Sanromán M.A. & Pazos M.

14:45 BIOTRANSFORMATION OF BROMOBENZES TO BENZENE

Gomes A., Sousa S., Domingues V.F., Delerue-Matos C. & Danko A.

15:00

Coffee Break

15:15 STUDY OF THE REACTIVITY OF GREEN ZERO-VALENT IRON NANOPARTICLES

Machado S., Grosso J.P., Nouws H.P.A., Albergaria J.T. & Delerue-Matos C.

15:30 DEHALOCOCCOIDES SP. DETECTION IN ROCK SAMPLES USING PNA-FISH

Leitão P., Santos R., Fontenete S., Leite D., Danko A. & Azevedo N.

15:45 INFLUENCE OF THE INOCULATION WITH PLANT GROWTH PROMOTING RHIZOBACTERIA ON BIOMASS PRODUCTION, METAL ACCUMULATION AND RHIZOSPHERE COMMUNITY OF *HELIANTHUS ANNUUS* (SUNFLOWER) GROWN IN ZINC AND CADMIUM CONTAMINATED SOILS

Marques A., Moreira H., Franco A., Rangel A. & Castro P.



16:00	PHYTOREMEDIATION OF SALT AFFECTED SOILS <i>Jesus J., Danko A., Fiúza A. & Borges M.T.</i>
16:15	A REVIEW OF REMEDIATION OF DDT CONTAMINATED SOILS <i>Gomes A., Langenhoff A., Domingues V. & Danko A.</i>
	BIOTRANSFORMATION OF THE PESTICIDE DDT <i>Gomes A., Langenhoff A., Sousa S., Domingues V., Delerue-Matos C. & Danko A.</i>
16:30	Discussion SESSION 2
16:50	Coffee Break
SESSION 3 - GROUNDWATER REMEDIATION	
17:05	ELECTRO-FENTON APPLICATION ON GROUNDWATER POLLUTED SYSTEMS <i>Iglesias O., Pazos M. & Sanromán M.A.</i>
17:20	IN SITU REMEDIATION OF GROUND AND GROUNDWATER USING ZEROVALENT IRON NANO PARTICLES: PRELIMINARY EVALUATION <i>Gonçalves J.</i>
17:35	AGRO-INDUSTRIAL WASTES AS EFFECTIVE LOW-COST ADSORBENTS FOR GROUNDWATER TREATMENT <i>Torras R., Sanroman M.A. & Pazos M.</i>
17:50	Discussion SESSION 3
18:10	End of Symposium