

13th INTERNATIONAL BIODETERIORATION AND BIODEGRADATION SYMPOSIUM (IBBS-13)
4-9 September, 2005 - Hotel Meliá Castilla - Madrid (SPAIN)

PROGRAMME

Sunday, 4 September 2005

TIME	ACTIVITY
18:00-20:00	Registration <i>Desk IBBS-13</i>
18:00-20:00	Mounting Posters: Topics 01-BAB, 02-MIC, 03-NEM, 04-BBM, 05-BWA, 06-BMD, 07-BOH, 08-BOL, 13-RMT, 14-NIB, 15-STD, 16-BMM <i>Aranjuez Room</i>
20:00-22:00	Cocktail reception <i>Patio Jardín</i>

Monday, 5 September 2005

TIME	ACTIVITY	TITLE	SPEAKER
08:00-09:00	Mounting Posters: Topics 01-BAB, 02-MIC, 03-NEM, 04-BBM, 05-BWA, 06-BMD, 07-BOH, 08-BOL, 13-RMT, 14-NIB, 15-STD, 16-BMM <i>Aranjuez Room</i>		
09:00-09:15	Welcome & Opening Ceremony <i>Tapices Room</i>	Javier Uceda (Rector UPM), Hans-Curt Flemming (IBBS President), Fernando Laborda (FEMS representative), Diego A. Moreno (Chair IBBS-13)	
09:15-10:00	Plenary Lecture 01-BAB Biofilms and Biofouling Convenor: F. Laborda	01-BAB-OR-BC Microbe-surface interactions in biofouling and biocorrosion processes	I. B. Beech
10:00-11:00	Oral Session 01-BAB Biofilms and Biofouling Convenor: I. B. Beech	01-BAB-OR-WL Bioleaching - an interfacial process mediated by acidophilic bacteria, iron(III) ions and exopolymers 01-BAB-OR-LP Attachment of <i>Desulfovibrio desulfuricans</i> to stainless steel and nickel surfaces - the influence of nickel on the bioadhesion	W. Sand F. A. Lopes
11:00-11:30	Coffee break		
11:30-13:15	Oral Session 01-BAB Biofilms and Biofouling 02-MIC Microbiologically Influenced Corrosion Convenor: I. B. Beech	02-MIC-OR-KH The role biofilms play in microbially induced corrosion. A new non-thermal plasma - based approach for inhibition of corrosion 02-MIC-OR-MY The role of the microbes in marine water on the corrosion of the 316L stainless steel 01-BAB-OR-GL Simulation of the effects of biofouling growth in a virtual heat exchanger 02-MIC-OR-ST The role of sulphate-reducing bacteria in corrosion of potable water mains	V.P. Kholodenko Y. Miyano M. M. Milad R. G. J. Edyvean
13:15-15:00	Lunch (Prado Room)		

Monday, 5 September 2005

TIME	ACTIVITY	TITLE	SPEAKER
15:00-15:45	<p>Plenary Lecture 01-BAB Biofilms and Biofouling Convenor: H. A. Videla</p>	01-BAB-OR-FL Learning how to live with biofilms - alternative approaches to anti-fouling	H.-C. Flemming
15:45-16:30	<p>Plenary Lecture 02-MIC Microbiologically Influenced Corrosion Convenor: H.-C. Flemming</p>	02-MIC-OR-VD Microbiologically influenced corrosion: an updated overview looking to the future	H. A. Videla
16:30-16:45	Coffee break		
16:45-17:45	<p>Oral Session 13-RMT Rapid Methods and Molecular Tools Applied to BBB Convenor: H.-C. Flemming</p>	<p>13-RMT-OR-BC AFM study of the colonisation of stainless steel by <i>Aquabacterium commune</i></p> <p>13-RMT-OR-GR2 Methanogenic and partially-aerated methanogenic bacterial communities in fluidized bed reactors treating chlorophenolic compounds</p>	<p>R. T. Bachmann</p> <p>C. Garibay-Orijel</p>
18:45	IBBS Annual General Meeting 2005 (Tapices Room)		

Tuesday, 6 September 2005

TIME	ACTIVITY	TITLE	SPEAKER
08:45-09:30	<p>Plenary Lecture</p> <p>05-BWA Biodeterioration of Works of Art and Cultural Heritage</p> <p>Convenor: H. A. Videla</p>	05-BWA-OR-RS Contributions of <i>in situ</i> microscopy to current understanding of stone biodeterioration	A. de los Ríos
09:30-11:00	<p>Oral Session</p> <p>05-BWA Biodeterioration of Works of Art and Cultural Heritage</p> <p>Convenor: A. de los Ríos</p>	<p>05-BWA-OR-BR Biodeterioration of limestone by two microbial isolates in the archaeological site of Palenque, Mexico</p> <p>05-BWA-OR-GY Lichen-like colonies of pure <i>Trentepohlia</i> on limestone monuments</p>	<p>H. A. Videla</p> <p>C. C. Gaylarde</p>
11:00-11:30	Coffee break		
11:30-13:00	<p>Oral Session</p> <p>05-BWA Biodeterioration of Works of Art and Cultural Heritage</p> <p>Convenor: C. C. Gaylarde</p>	<p>05-BWA-OR-PR Microalgae and their effects on stone fountains: A comparison between two different environments</p> <p>05-BWA-OR-PT1 Methodology approaches to diagnose and monitor the biodeterioration processes in the stone of historical buildings</p> <p>05-BWA-OR-LL Biodeterioration and Archaeology: the role of biological agents in formation processes, sites and post-excavation treatments</p>	<p>Y. Peraza Zurita</p> <p>J. A. Petushkova</p> <p>D. Allsopp</p>
13:00-15:00	Lunch		

Tuesday, 6 September 2005

TIME	ACTIVITY	TITLE	SPEAKER
15:00-15:45	<p>Plenary Lecture</p> <p>05-BWA Biodeterioration of Works of Art and Cultural Heritage</p> <p>Convenor: A. de los Ríos</p>	05-BWA-OR-GN Application of molecular nucleic acid-based techniques for the study of microbial communities in monuments	J. M. González
15:45-17:00	<p>Oral Session</p> <p>04-BBM Biodeterioration of Building Materials</p> <p>05-BWA Biodeterioration of Works of Art and Cultural Heritage</p> <p>Convenor: C. Saiz-Jiménez</p>	<p>05-BWA-OR-SC Isolation and identification of microorganisms associated to the biodeterioration of San Felipe Castle, Cartagena (Colombia), and evaluation of substances biocides for their control</p> <p>05-BWA-OR-PT2 Microbial control of museum archaeological textile and leather objects in the course of conservation and restoration</p> <p>04-BBM-OR-GR Determinant factors for the establishment of cyanobacterial biofilms and crustose lichens on upright structures</p>	<p>M. M. Martínez</p> <p>J. A. Petushkova</p> <p>J. Garty</p>
17:00-17:15	Coffee break		
17:15-18:45	Posters Session		
18:45-19:00	Removing Posters: Topics 01-BAB, 02-MIC, 03-NEM, 04-BBM, 05-BWA, 06-BMD, 07-BOH, 08-BOL, 13-RMT, 14-NIB, 15-STD, 16-BMM		
19:00-19:45	Mounting Posters: Topics 9-BPP, 10-GMO, 11-BCW, 12-BCS		
18:00-20:00	Elsevier: Editorial Board Meeting (Isaac Albéniz Room)		

Wednesday, 7 September 2005

TIME	ACTIVITY	TITLE	SPEAKER
08:45-09:30	<p>Plenary Lecture 08-BOL Biodegradation of Lignocellulosics Convenor: D. A. Moreno</p>	08-BOL-OR-MR Biodegradation of lignocellulosics: microbial, chemical and enzymatic aspects of fungal attack to lignin	A. T. Martínez
09:30-11:00	<p>Oral Session 08-BOL Biodegradation of Lignocellulosics Convenor: A. T. Martínez</p>	<p>08-BOL-OR-LS White-rot basidiomycetes: bioconversion of plant raw materials and lignocellulolytic enzymes production</p> <p>08-BOL-OR-SH Biodegradation of cotton stalks into protein rich feed by fungi and nitrogen-fixing bacteria on solid-state fermentation</p> <p>08-BOL-OR-SQ Role of fragmentation activity in cellulose hydrolysis</p>	<p>V. Elisashvili</p> <p>B. T. Shawky</p> <p>A. A. Najmus Saqib</p>
11:00-11:30	Coffee break		
11:30-13:00	<p>Oral Session 07-BOH Biodeterioration of Oil Hydrocarbons 09-BPP Biodegradation of Persistent Pollutants Convenor: F. Laborda</p>	<p>07-BOH-OR-KH Microorganisms for oil decontamination in the North</p> <p>07-BOH-OR-VN Remediation of the Former Military Airport-Triangle Zatec</p> <p>09-BPP-OR-BR Biodegradation of malathion to malathion mono-and dicarboxylic acids by <i>a Bacillus thuringiensis</i> strain</p>	<p>I. Z. Ibatullina</p> <p>J. Vanek</p> <p>S. M. El-Nagdy</p>
13:00-15:00	Lunch		

Wednesday, 7 September 2005

TIME	ACTIVITY	TITLE	SPEAKER
15:00-15:45	<p>Plenary Lecture</p> <p>10-GMO Use of GMO in Bioremediation</p> <p>Convenor: F. Laborda</p>	10-GMO-OR-CS Genetically Modified Organisms for the environment: stories of success and failure and what we have learnt from them	V. de Lorenzo
15:45-17:15	<p>Oral Session</p> <p>09-BPP Biodegradation of Persistent Pollutants</p> <p>Convenor: V. de Lorenzo</p>	<p>09-BPP-OR-CJ Biodegradation of polycyclic aromatic hydrocarbons by a white rot fungus <i>Irpex lacteus</i> and involvement of ligninolytic system in degradation</p> <p>09-BPP-OR-LG Adsorption and biodegradation of phenanthrene in activated carbon permeable barrier, a column study</p> <p>09-BPP-OR-NC The chemical destruction of the explosive hexahydro 1,3,5-trinitro 1,3,5-triazine and the biological denitrification of the explosive residue</p>	<p>T. Cajthaml</p> <p>P. Leglize</p> <p>J. L. Nicklin-Faull</p>
17:15-17:30	Coffee break		
17:30-19:15	<p>Oral Session</p> <p>09-BPP Biodegradation of Persistent Pollutants</p> <p>Convenor: V. de Lorenzo</p>	<p>09-BPP-OR-WL Biodegradation of alkanes, aromatic compounds and oils using Venezuelan thermophilic bacteria</p> <p>09-BPP-OR-RD Comparison of the adsorption capacity of root cultures of <i>Cyperus elegans</i> and <i>Cyperus hermaphroditus</i> to phenanthrene and their phenoloxidases response</p> <p>09-BPP-OR-SC1 Degradation of chlorophenols in wood-chips by wood-rotting fungi</p> <p>09-BPP-OR-SV Dye decolorization capacity of nonagitated and agitated cultures of <i>Irpex lacteus</i> - the role of Mn-dependent peroxidase</p>	<p>J. Wilkesman</p> <p>A. M. Rodríguez Dorantes</p> <p>K. T. Steffen</p> <p>K. Svobodová</p>
19:15-20:45	Posters Session		

Thursday, 8 September 2005

TIME	ACTIVITY	TITLE	SPEAKER
08:45-09:30	<p>Plenary Lecture 11-BCW Bioremediation of Contaminated Waters Convenor: F. Laborda</p>	11-BCW-OR-SR Biofilms formation in spent nuclear fuel pools and bioremediation of radioactive water	D. A. Moreno
09:30-11:00	<p>Oral Session 11-BCW Bioremediation of Contaminated Waters Convenor: F. Laborda</p>	<p>11-BCW-OR-CR Study of a diesel degrading bioremediation system: A molecular approach</p> <p>11-BCW-OR-GR1 Trichlorophenol and phenol removal under two simultaneous electron acceptors conditions in a fluidized bed bioreactors</p> <p>11-BCW-OR-BR Biodegradation of trichloroethylene and enhancement of biodegradation pathways by indigenous bacterial communities</p>	<p>L. Ciric</p> <p>C. Garibay-Orijel</p> <p>J. Brown</p>
11:00-11:30	Coffee break		
11:30-13:00	<p>Oral Session 11-BCW Bioremediation of Contaminated Waters Convenor: F. Laborda</p>	<p>11-BCW-OR-SN Biodegradation of fluoxetine (Prozac) in riverwater using plant-derived chemicals as cometabolites</p> <p>11-BCW-OR-VS The biofiltration permeable reactive barrier - Practical experience from Synthesia</p>	<p>A. C. Singer</p> <p>L. Vesela</p>
13:00-15:00	Lunch		

Thursday, 8 September 2005

TIME	ACTIVITY	TITLE	SPEAKER
15:00-16:30	<p>Oral Session 12-BCS Bioremediation of Contaminated Soils Convenor: M. Sylvestre</p>	<p>12-BCS-OR-DR1 Use of organomineral complexes (OMCs) at remediation of pentachlorophenol (PCP) in soil</p> <p>12-BCS-OR-NO Transferability of plasmids by conjugation in soil and influence of exogenous plasmid-harboring bacteria on the bacterial community: a model study for risk assessment on the use of genetically modified organisms</p> <p>12-BCS-OR-RL Eco-genomic probes for enhanced soil remediation of former gasworks sites</p> <p>12-BCS-OR-RT Biodegradation of petroleum hydrocarbons and biosurfactant production of <i>Pseudomonas fluorescens</i> and <i>Bacillus subtilis</i></p>	<p>K. Dercová</p> <p>D. Inoue</p> <p>H. Connolly</p> <p>T. X. Ortega-Trejo</p>
16:30-16:45	Conclusions Remarks & Closing Symposium		F. Laborda
16:45-17:00	Coffee break		
17:00	Removing Posters: Topics 9-BPP, 10-GMO, 11-BCW, 12-BCS		
21:00	Symposium Dinner: Restaurante Pedro Larumbe (c/ Serrano, 61 C.C. ABC Serrano, 28006 Madrid)		

Friday, 9 September 2005

TIME	CULTURAL PROGRAMME
08:45-19:00	<p>Sightseeing Tour: guided visit to Toledo (including lunch in Venta de Aires Restaurant -Toledo-) Bus in Hotel Melia Castilla Convenor: C. Ranninger</p>