



WORKSHOP

“New methodologies and advanced nanomaterials for electrochemical biosensors”

May 20, 2016

Organized under the framework of the national research project: *“Electrochemical micro-biosensors based on electrodes and microelectrodes arrays modified with composite materials”*, project no. PN-II-ID-PCE-2011-3-0271, director Prof. Dr. HDR Stelian LUPU.

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May 20, 2016, Room D018, Building D, 1-7 Polizu Gheorghe st., Bucharest.

Hour	Authors / Affiliation	Title of the contribution
8:30 9:00	Registration of participants	
9:00	Stelian Lupu^{1*}, Cecilia Lete², Paul Cătălin Balaure¹, Dan Ion Caval¹ ¹ University Politehnica of Bucharest Department of Analytical Chemistry and Environmental Engineering, 1-7 Polizu Street, 011061 Bucharest, Romania. ² Institute of Physical Chemistry "Ilie Murgulescu" of the Romanian Academy, 202 Splaiul Independentei, 060021 Bucharest, Romania.	Opening Key Note Lecture: <i>Electrochemical biosensors based on bio-composite materials modified electrodes and microelectrodes arrays - dissemination of scientific results</i>
9:30	José María Palacios Santander^{1*}, Laura Cubillana Aguilera¹, Juan José García Guzmán¹, Aisha Attar², Dolores Bellido Milla¹, José Luis Hidalgo Hidalgo de Cisneros¹, Aziz Amine², Ignacio Naranjo Rodríguez¹ ¹ Department of Analytical Chemistry, Institute of Electron Microscopy and Materials (IMEYMAT), Faculty of Science, University of Cadiz. C/ República Saharaui, S/N; 11510 - Puerto Real, Cádiz, Spain. ² Faculty of Science and Techniques, University Hassan II Mohammedia, BP 146, Mohammedia 20650, Morocco	Key Note Lecture: <i>Biosensors for beverages and environmental applications</i>



10:00	Laura Cubillana Aguilera* , José María Palacios Santander , Dolores Bellido Milla , José Luis Hidalgo Hidalgo de Cisneros , Ignacio Naranjo Rodríguez Department of Analytical Chemistry, Institute of Electron Microscopy and Materials (IMEYMAT), Faculty of Science, University of Cadiz. C/ República Saharaui, S/N; 11510 - Puerto Real, Cádiz, Spain.	Key Note Lecture: <i>Biosensing with sonogel-carbon electrodes and related materials</i>
10:30	Nicolae Spătaru* , Petre Osiceanu , Maria Marcu , Loredana Preda , Tanta Spataru Institute of Physical Chemistry "Ilie Murgulescu" of the Romanian Academy, 202 Splaiul Independentei, 060021 Bucharest, Romania.	Key Note Lecture: <i>Effect of the substrate on the resistance to fouling during alcohol oxidation of supported Pt particles</i>
11:00 11:30	Coffee break	
11:30	Adina Elena Stanciu^{1*} , Valentina Negoita¹ , Maria Iuliana Gruia¹ , Coralia Bleotu² , Carmen Diaconu² , Anca Botezatu² , Valeria Tica³ , Veronica Ilie³ , Raluca Florea³ , Andrei Sorop³ , Simona Dima³ , Irinel Popescu³ ¹ Institute of Oncology Prof. Dr. Alex. Trestioreanu Bucharest, Romania. ² Stefan S. Nicolau Institute of Virology, Bucharest, Romania. ³ Fundeni Clinical Institute, Bucharest	Key Note Lecture: <i>Alginate-encapsulated human pancreatic cancer cells for development of mouse models</i>
12:00	Daniela Berger^{1*} , Andreea Iulia Iorgu¹ , Ticuța Negreanu-Pîrjol² , Cristian Matei¹ ¹ University Politehnica of Bucharest Department of Inorganic Chemistry, Physical-Chemistry & Electrochemistry, 1-7 Polizu Street, 011061 Bucharest, Romania. ² Ovidius University of Constanta, Faculty of Pharmacy, 1 Aleea Universitatii, Constanta 900470, Romania	Key Note Lecture: <i>Mesoporous titania, a functional material with potential applications in bioanalysis</i>
12:30	Gabriela Ioniță* Institute of Physical Chemistry "Ilie Murgulescu" of the Romanian Academy, 202 Splaiul Independentei, 060021 Bucharest, Romania.	Key Note Lecture: <i>Gels properties revealed by EPR spectroscopy"</i>



13:00	Mihaela Doni*, Melania-Liliana Arsene, Luiza-Maria Jecu National Institute for Research & Development in Chemistry & Petrochemistry – ICECHIM, Biotechnology Department, 202 Splaiul Independentei, 060021 Bucharest, Romania.	Key Note Lecture: <i>Sensors based on screen printed electrodes for nitrite and peroxyxynitrite determination in meet</i>
13:30	Silviu Nastase¹, Laura Bajenaru¹, Daniela Berger¹, Mihaela G. Moisescu², Cristian Matei¹* ¹ University Politehnica of Bucharest Department of Inorganic Chemistry, Physical-Chemistry & Electrochemistry, 1-7 Polizu Street, 011061 Bucharest, Romania. ² Carol Davila University of Medicine and Pharmacy, Bucharest, Romania.	Key Note Lecture: <i>Mesostructured silica and aluminosilicates as carriers for irinotecan delivery systems</i>
14:00 15:00	Lunch	
15:00 17:00	In-project experimental working session	
	Stelian Lupu*, Cecilia Lete, Paul Cătălin Balaure, Dan Ion Caval University Politehnica of Bucharest Department of Analytical Chemistry and Environmental Engineering, 1-7 Polizu Street, 011061 Bucharest, Romania. Juan Jose Garcia Guzman*, Laura Cubillana Aguilera, Jose Maria Palacios Santander University of Cadiz, Faculty of Sciences, Department of Analytical Chemistry, 11510 Puerto Real, Cádiz, Spain.	Knowledge transfer - experimental demonstration <i>The use of microbiosensors in samples analysis</i> <i>Transfer of the developed novel preparation procedure to sonogel carbon based electrodes for biosensors development</i>

Director of research project,
Prof. Dr. HDR Stelian LUPU,