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JUDEȚEAN DOIJ



Simpozionul Național de Chimie

**„Contribuții la Creșterea Calității Învățământului și Cercetării
în Domeniul Chimiei”**

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NANOTEAM



SECTION

CV Invited Speakers

Simpozionul Național de Chimie, Ediția a XII-a
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Dr. Tahar AYAD

Tahar Ayad was born in 1973 in Saint-Etienne (France). He received his PhD degree in organic chemistry in 2003 from the University of Toulouse under the supervision of Dr. Y. Génisson and Dr. M. Baltas working on total synthesis of imino sugars that exhibit antituberculosis activity. After his PhD, he was engaged in a post-doctoral position with Professor Robert S. Coleman at The Ohio State University working on total synthesis of anticancer drugs Oximidin I and II. After a brief period spent in Toulouse University working as an associate professor in R. Chauvin's group in 2005, he joined the group led by Professor J. P. Genêt and Dr. V. Vidal at the Ecole Nationale Supérieure de Paris, Chimie ParisTech working on ligands synthesis, transition metal-catalyzed asymmetric reactions and, the synthesis of biologically relevant active compounds. In September 2020, after spending 15 years in Paris, he moved to Montpellier where he joined the group of Pr. J.L. Pirat and Pr. D. Virieux at the Ecole Nationale Supérieure de Chimie de Montpellier. In addition to ligands synthesis and transition metal-catalyzed asymmetric reactions, his present research fields focus on phosphorus chemistry for life science applications with the development of new synthetic methodologies for the synthesis of natural products and targets of biological interest with special emphasis on asymmetric synthesis. He is the author and co-authors of 60 published articles (4 patents, 6 book chapters).

Dr. Julietta RAU

Julietta Rau is currently Principal Investigator, Head of the laboratory and research group at the Institute of the Structure of Matter of the Italian National Research Council (ISM-CNR, Rome, Italy) and Associate Professor at the Sechenov First Moscow State Medical University (Moscow, Russia). She is the author of more than 155 publications in International Journals and about 160 presentations, Invited and Keynote talks at International Conferences. She received several international awards for her research achievements. Her present H-index is 29 (Google Scholar).

She is the CHAIR and organizer of the biennial BioMaH "Biomaterials for Healthcare" International Conference (<https://biom-ah.ism.cnr.it>) and the Member of the International Scientific Committees of various International Conferences in the field of Materials Science, Nanoscience, Biomaterials and Medical devices.

She is Associate Editor of the Bioactive Materials journal and the Member of the Editorial Boards of Nature Scientific Reports, Coatings MDPI, FRONTIERS in Bioengineering and Biotechnology (Journal of Tissue Engineering and Regenerative Medicine), EC Orthopaedics, The Open Biomedical Engineering journal, Journal of Advanced Drug Delivery Research – MEDCRAVE, Drug Design Development & Therapy – MEDCRAVE.

She is the Reviewer of numerous international journals.

She is supervisor of numerous student and PhD student diploma works; supervisor of International fellowships.

Her present research interests regard biomaterials and novel technologies for healthcare, innovative biomaterials for regenerative medicine, among them calcium phosphates and glass-ceramics based materials for tissue engineering applications. Her recent publications are dedicated to bioactive nanostructured coatings of innovative composition for orthopaedic and dental implant applications and cements for bones, cranial-facial surgery and dentistry applications. She is also involved and interested in research projects dedicated to Raman spectroscopy applications in biomedicine and novel imaging approaches for cancer diagnostics.

Prof.dr. Horia MANOLEA

Horia Manolea is Professor at the Prosthesis Technology and Dental Materials Department and currently Chief of the 1-st Department of the Faculty of Dentistry from the University of Medicine and Pharmacy, Craiova, Romania. He graduated as valedictorian the Faculty of Dentistry in 2001, holds a PhD in Medicine and a Master degree in implant supported prosthesis. Research interests include restorative materials research, implant supported prosthesis technologies, the bioactive materials study, development of ceramic and metal-ceramic technology, dental and periodontal structures morphology study. His professional and scientific activity comprises 10 textbooks, more than 50 papers published in scientific journals of which 30 were published in ISI journals with impact factor, more than 100 papers published in abstract in the proceedings of international or national conferences, invited speaker at several national and international scientific meetings, reviewer for several specialty scientific journals.

Dr. Mihaela FLOREA

Mihaela Florea received her Bachelor's degree in Chemistry from the University of Bucharest in 1997 and from the same university she received the Master degree in 1999. The PhD was done under the supervision of Professor Paul Grange in the field of Catalysis at the Universite Catolique de Louvain la Neuve, Belgium and she graduated in 2003 with Suma Cum Laude. In February 2004, she joined the group of Professor Vasile Parvulescu at the Faculty of Chemistry, University of Bucharest, where she began her research on heterogenous catalysis, especially on catalytic selective oxidation. Currently, she is senior researcher at National Institute of Materials Physics. Her current research focuses on the synthesis and characterization of sustainable catalytic materials for selective oxidation and energy applications. She has published over 90 scientific papers in ISI journals and is co-inventor of 3 patents in the field of heterogeneous catalysis and green chemistry.

Prof.dr. Rose-Noëlle VANNIER

Rose-Noëlle Vannier graduated from the Ecole Nationale Supérieure de Chimie de Lille (ENSCL) in 1989. After obtaining a doctorate from the University of Sciences and Techniques of Lille Flandres Artois in 1992, she received a Marie Curie grant in 2000/2001 to do a one-year internship at Imperial College London. Promoted to University Professor in 2001, since 2002 she has been responsible for the “Oxidized Materials for Energy” research team at the UCCS (Solid Catalysis and Chemistry Unit, Joint Research Unit, CNRS 8181). She is the co-author of over 100 articles in international refereed journals. Member of the National Council of Universities, 33rd section, from 1999 to 2001 and from 2007-2011, then of the Scientific Council of the CNRS Institute of Chemistry from 2010 to 2014, his career was also marked by her time at the Ministry of Research and Higher Education and Research as a project manager for the Scientific, Technical and Educational Mission (MSTP 4) from 2006 to 2007. Vice-President of the Nord-Pas de Calais Picardie division of the French Chemical Society from 2011 to 2015, she was keen to share her experience with the general public while being strongly involved in training. After having been responsible for recruiting at the ENSCL, coordinator of the masters and deputy director of the ENSCL from 2012 to 2016, since September 1, 2016, she is heading the ENSCL which is now part of Centrale Lille Institute.

Dr. Simona ȘOMĂCESCU

Simona Șomăcescu received her PhD (2009) in Chemistry from "Ilie Murgulescu" Institute of Physical Chemistry, Romanian Academy, Bucharest. Presently she is senior researcher at the same institute and member of the X-Ray Photoelectron Spectroscopy (XPS) Group. Her activity is focused on the synthesis of mesoporous materials with nanocrystalline framework using preparative chemistry assisted by surfactants and surface chemistry investigations of the semiconductor metal oxide by XPS for fuel cells and sensor applications.

Prof.dr. Dănuț-Ionel VĂIREANU

Dănuț-Ionel Văireanu is professor at the University "Politehnica" of Bucharest, a Chartered Chemist and a Member of the Royal Society of Chemistry, UK. His area of expertise is in the fields of electrochemistry, corrosion, engineering of electrochemical processes, electrochemical power sources, electrochemical treatment of waste waters etc. He received his PhD title in Instrumentation and Analytical Sciences from University of Manchester Institute of Science and Technology, UK in 1995. Prof. Văireanu was also a NATO/Royal Society postdoctoral fellow between 1997-1998. He is the author and co-author of more than 100 research papers and more than 100 communication at international scientific events. Prof. Văireanu managed 19 research projects in his field of expertise.

Dr. Elena BADEA

Elena Badea, PhD, is a Senior researcher at the National R&D Institute for Textiles & Leather, Bucharest, where established and coordinates the Advanced Researches in Cultural Heritage Laboratory (ARCH Lab), and Lecturer at Faculty of Sciences of the University of Craiova. She coordinated many national and international projects among which the studies of Marco Polo will (Marciana National Library of Venice), Biblia Magna of Novalesa (States Archives of Turin) and some of the most precious Romanian documents, i.e. the documents issued by the Stephen the Great Chancellery (Romanian Academy Library, Bucharest), Tetraevangelion of Saint Pious Nicodemus of Tismana, Codex Altemberger (National Museum of Romanian History) and the illuminated manuscripts from Dragomirna Monastery school for miniaturists and calligraphers, the last blossoming and glittering of the Romanian art of miniature.

In the period 2002-2016 Elena Badea worked as invited researcher at the Chemistry Department of University of Turin, in the group of former Professor Giuseppe Della Gatta, where her interest focussed on chemical thermodynamics and physical-chemical characterization of collagen in historical parchments. The improved methodology which she developed and the assignment of damage markers for the collagen in parchment was then applied to a large number of historical parchments from major European archival collections. During this period, she has been collaborating with the Department of Humanistic Studies of University of Turin on studies in ancient scientific and technological literature. Elena Badea is the President and founder of the Division Chemistry for Cultural Heritage of the Romanian Chemistry Society. Since 2012 she makes part of the Working Group on Chemistry for Cultural Heritage (WP CCH) of the European Chemical Society (EuChemS).

In 2011 Elena Badea founded the Romanian Association Science and Cultural Heritage in Connection (i-CON), <http://i-con.org.ro/>. Since 2012, the i-CON Association, in collaboration with various cultural institutions, organises the International Seminar and Workshop "Emerging Technology and Innovation for the Conservation of Cultural Heritage (ETICCH)".