

SCIENTIFIC EVENTS OF THE YEAR 2007

In the April 15-18th 2007 at Valtice in the Czech Republic was held the **22nd European Symposium for NMR Spectroscopy**. At this prestigious event from our faculty was participated lecturer Dr Ioana Stanculescu with oral communication: *Solution structures of some bis benzyl isoquinolin alkaloid calcium complexes by NMR spectroscopy* (authors I Stanculescu, C Mandravel (University of Bucharest), R. Dommissie (University of Antwerp))

Faculty of Chemistry organized in 4th May 2007 in the big hall Grigore Popa National Session dedicated to high school students and chemistry teachers entitled **Chemistry-Friend or Enemy?** Aim of this first action is to direct the interest and attitudes of actual school students to the chemistry, to check their science and technology literacy discussing different chemical concepts and it variety applications in daily life. In high school students session were communicated numerous works and in teachers session works.

In the 9th May 2007 in the Faculty of Chemistry Council Hall has been conferred the **Professor Honoris Causa** title of the Bucharest University to Professor Roger Dommissie University of Antwerp. After *Laudatio* spoken by Professor Dumitru Oancea, Dean of the Faculty, the laureate sustained a very interesting conference entitled *Organic Synthesis and NMR at he University of Antwerp: Past and Present: A World of Difference* which provoked some questions from the participants. Answers and discussions were continued in the cocktail part of this ceremony.

In June 13-15 2007 at Bologna in Italy was held the **4th Annual Transnational Access Meeting** HPC - EUROPA at which was communicated paper *The Quantum Chemical Study of Some Bisbenzylisoquinolin Derivatives Complexes with Alkali Earth Cations* (Authors: I. Stanculescu, I. Bernasconi, C. Mandravel)

The **American Romanian Academy of Art and Sciences (ARA)** organised his 31 Annual Congress between 1-5 August in Brasov, hosted by Transilvania University of Brasov (TUB) in his new International Conference Center. Honorary Congress Chairman Prof. Dr. Ion Visa (Rector of TUB); local congress Chairman: Associated Professor Elena Doval; Organizing Committee Elena Helerea, Dr Silviu Poposescu (vice Rector of TUB) and Tiberiu Foris (Vice Dean of Faculty of Economic Sciences at TUB). This Year theme of Congress: *Pro-active Partnership in Creativity for the Next Generation*. 1st August opening session was dedicated to the welcome interventions of Prof. Ioan David (ARA's vice President), George Scripcariu (Brasov City Mayer), Aurelian Danu (Brasov Country Prefect), Professor Ion Visa, Prof. Grigore Belostecinic (Rector ASE M Kishinew) and Thanks by Assoc professor Elena Doval.

After this succeed a plenary session as follows: *Building a Research and Education University in Romania* – Prof Ion Visa; *Science and Art in first visualization of Atom in the*

Human existence - Prof Enachescu Marius - Berkley University, California; *Insolvability of a problem of expressibility in the logic of provability* - Prof M Rata - Academy of Sciences, Kishinev, Moldova; *An analog of Kendall-Takaes equation for generalized Queuing Systems* - Prof Miscoi G. - Free International Univ of Moldova Kishinev; *Pro-active Partnership in Research for Integrated Product and Process Engineering* - Prof Draghici Gheorghe and Draghici Anca - Polytechnic Univ Timisoara; *Filozofia ca posibilitate de revalorizare ontologica a civilizatiei moderne* - Prof Stoica Dorin - University Montreal, Canada; *Cimitirul de onoare dela Tiganca* - Cerchez Zina, Kishinev, Moldova.

At the 13 traditional sections of the large profile ARA Congress were organized parallel sessions for oral communications, all located in the building of the International Conferences Center as follows:

Engineering (56), Economy (63), Hystory-Antropology (5), Applied Mathematics (5), Medicine(5), Fine Arts (8), Philosophy and Theology(7), Linguistics and Literature (19), Physics and Chemistry (9), Computer sciences (10), Medicine and Biology (6) Environment (11), Law (15), Law and Politics (13).

From our faculty were presented the followings oral communications:

At the section Physics & Chemistry: *Complexation of Tetradrine with Magnesium Ion probed by Electro spray ion mass spectrometry* Authors Stanculescu Ioana, Mandravel Cristina (Bucharest University), Lemiere Philip and Dommissie Roger (University of Antwerp).

At the section Environment where Mandravel Cristina, correspondent member of ARA was also Chair; *Considerations on Active and Applied Teaching of Environmental Physical Chemistry* Authors: Chiosa Valentina and Mandravel Cristina.

Prof Ileana Costea (California State University) leded the Round Table: *New Challenges in Education: Continuing Learning, Distance learning, e-Learning*, Others which claimed interest of the world wide participants. For this reason moderators of discussions decided to limit the time of each intervention to 5 minutes.

As a conclusion: scientific (247 oral communications) and cultural program of this Congress was very dense and organizers did their best.

Between 19-22 September 2007 at International Hotel in Sinaia, Faculty of Applied Chemistry and Materials Sciences (ACMS) from Polytechnic University of Bucharest organised **Romanian International Conference on Chemistry and Chemical Engineering RICCCE XV**. This event was sponsored by National Authority for Scientific Research (ANCS) and by CIRON (Cement and Constructions Products - Romania). Honorary chairman Prof. Ecaterina Andronescu, rector of Polytechnic University, Chairman Prof. Horia Iovu, dean of the faculty ACMS.

Very dense program of this traditional conference contained plenary, keynote lecturers, oral communications and posters.

S.I. New development in chemical Synthesis and Catalysis (2, 6, 25, 0)

S.II. Biochemistry, Food and Health (0, 6, 22, 2)

S.III. Physical Chemistry, Electrochemistry and Corrosion (0, 16, 58, 4)

S. IV. New Concepts in Biochemical and Chemical Engineering (0, 10, 18, 0)

S. V. Risk, Sustainability and Environment (0, 11, 24, 1)

S.VI. Materials and Nanomaterials (0, 13, 38, 1)

After the section title in parentheses are indicated the number of keynote lecturers, oral communications posters and participation's from our faculty.

In addition of these sections was organised a Honorary Symposium – Constantin Luca with participation of Prof. Lori Cot (ENS Chimie, Montpellier), Armand Lates (Univ. Paul Sabatier – Toulouse), Dr. Pier Almar (CNRS Toulouse), Dr. Mihai Barboiu (CNRS Montpellier), Prof Olof Ramstrom (Royal Inst of Technologie, Stockolm), A. Ayrat (Univ. Montpellier), Gilbert Rios (ENS Chimie Monpellier), Nicole Tafrezic (CNRS, Lion) Stephane Vincent (Fac. des Science, Namur), Dr. Philippe Moisy (Valrho, Atomic and Energy Centre).

At the same time Institute of Research and Technology (ICTCM), Romania and Commission for Corrosion of Romanian Academy organised the 7th Symposium of Ecology, Surface Coatings and Corrosion in 22 September 2007.

An extraordinary meeting of Romanian Chemical Society was organised in 21 September the Eurachem Forum concerned with Quality of Analytical Measurements.

In 25-27 october 2007 in the big Heliade Radulescu Auditorium of Romanian Academy the National Research and Development Institute for Industrial Ecology organized the **International Symposium The Environment and Industry (SIMI-2007)**. As co-organizers the Romanian Chemical Society and Balkan Environmental Engineering Ro-BENA subsidiary. This event was financed by Ministry of Education, Research and Youth and supported by 11 companies. After opening session with messages from organizers and guests succeeded 3 plenary conferences:

Sharing experience in strategic partnership Academia –Industry in friendly environmental technologies - Prof A Meghea –Polytechnic University of Bucharest; *Sustainable Development Indicators* - Vladimir Rojanschi – Ecological University of Bucharest; *Environmental Pollution and its impact on Life* - Prof Fokion Vosniakos –Technical University of Thessaloniki, Greece.

In the 4 sections of symposium were programmed oral communications and posters as follows:

Section I. Actual trends in the field of environmental technologies (36, 51, 0)

SectionII. Pollution assessment, environmental audit (13, 23, 0)

Section III. Performance methods and techniques for control and monitoring of industrial pollution (29, 9, 2)

Section IV. Legislation, sustainable development, environmental cost and quality management (24, 1, 0)

V Presentation of companies and/or products, apparatus and equipment in the environmental protection field (5, 1, 0).

In the parentheses after the section title are figured in order, the total number of oral communications, posters and communications from our faculty. Round Table entitled *Environmental education face to face with the field exigencies* (moderators: C. Mandravel, M D Stanescu and C Mirel) occasioned also numerous interventions from our and foreigner participants.

In 17 November 2007 in the Council Hall of faculty of Chemistry, Prof. Elena Volanschi was organised in French the **Workshop New Trends in Electrochemistry** with the contribution of the professors: Pierre Audebert (ENS Caclan), Dr. Corinne Lagrost and Dr. Philippe Hapiot (University of Rennes 1) and with participation of electrochemistry researchers from universities and different institutes from Buchares and Cluj Napoca. This workshop elucidate new research techniques in molecular electrochemistry as Electrochemical Scanning Microscopy.

In 7 December 2007 was held the **VIIth Workshop of Young Researchers** organised by Geographic Section of Romanian Academy (Scientific Advisor Prof Dan Balteanu), Bucharest University (Geography, Biology, Chemistry faculties and Protmed Center - Scientific advisor Prof. I. Udrea) and CESEC (Institute for Ecological Services) The actual theme of this workshop was *Integrated Environmental Research and Sustainable Development*. At this edition in the 3 sections were communicated a number of 37 works. From our young researchers contributors we mention: Alina Olaru, Luminita Pisica, Delia Laura Pop and Cornelia Scurtu.

In 20 December 2007 at the Hall Council of Faculty Professor Ernst Van Faassen from Debye Institute, Utrecht University, Netherland held the conference *Radicals for Life: Nitric Oxide and Its Reactions*. Professor Ernst Van Faassen considered that EPR spectroscopy is particularly suited to study the formation and reaction chemistry of this small radical *in vitro /in vivo*.

Prof. Dr. Cristina Mandravel