

SCIENTIFIC EVENTS OF THE 2001 YEAR

- Romanian Academy, Section of Chemical Sciences, **Commission for Thermal Analysis and Calorimetry** have been organized in 15-th February 2001 his the 10th Annual Symposium. The works of this Symposium have been opened by Academician Prof. Maria Brezeanu. The researching perspectives of this domain have been characterized by Prof. dr. doc. E Segal and the firms Netsch and Linon Hygh Therm are presented the highest performances of their new apparatuses. The total number of 16 oral communications (4 from Department of Physical Chemistry of Bucharest University) which have been presented, permit also fruit full discussions.
- In the 7th March 2001 in Aula of **Romanian Academy of Technical Sciences**, Prof. dr. doc. Eng. **Rodica Valcu** received her prestigious nomination as member of this scientific forum and said an introductory talk “Chemical Thermodynamics in life and science”. A philosophical answering speech was dued to Academician Radu Voinea.
- In 16th May 2001 in the **Chemistry Faculty Council Hall**, in the presence of professors and students of French section in Physical Organic Chemistry the title of **Professor Honoris Causa** of University of Bucharest was decerned to Prof. PhD **Jean Pierre Aycard** from University of Marsilia. Professor J P Aycard is a very active supporter of scientific international collaboration, lecturer years around at the master programme in domain of structure and reactivity of organic molecules.
- **American Romanian Academy for Arts and Sciences (ARA)** have been organized in 25-29th July 2001 at Ecole Polytechnique de Montreal his 26th annual congress, dedicated to a generous topics: *Building Bridges*. The American Romanian Academy of Arts and Sciences was founded in 1975, in California -USA. ARA has 145 full members, 68 corresponding members, 25 honorary members, 10 benefactors and is being headed by Profesor Ion Paraschivoiu, ARA President.
The local organizing committee: Ion Paraschivoiu – Chairman, Valentin Boju, Ruxandra Botez, Petru Ciureanu, Cezar Vasiliu, Alexandru Vlad Lungu. Honorary chairman: Nicolas Mateescu Mate (Director Emeritus at Institute of Air and Space Law, University Mc Gill – Montreal). Wednesday 25 July 19 – 21 evening, was the *Welcome Reception* and in Gallery Rolland opening of the exhibition “*A century of romanian existence in Montreal*” (organisators: M. Dan Fornade, professor at Merimont Academy and M. Constantin Marinescu president of Amgrin Design – Montreal) and presentation of some books of romanian authors.
Thursday 26 July was opening session with *Welcome address* and after this works congress have been developed in 16 parallel sections and plenary lectures. In the section for chemistry have been presented 20 oral communications (from our faculty: Prof. E. Constantinescu, Prof. C. Mandravel and lecturer V. Chiosa have been participated with oral communications published in Congress Proceedings).

Is necessary to mention very interesting plenary lectures: „*Cancer, genetics and ageing process* – Nicolae Filipescu - George Washington University, “*Drugs of future:medecine based on DNA*” - Manuella Selles Comnene - University of California, Los Angeles, “*Change of career - a today necessity*” - Claude Matasa - Nova South Eastern University – Florida.

The social program contained possibility to see Exhibition: *Monumenta Romanie Vaticana* at Casa Romana from Montreal, to hear a Concert de piano of Viorela Ciucur at St Nicolas Church in Montreal, where was also organized a meeting and lunch with romanian community after messa in Sunday 29 July at finish of Congress. Conclusion: The aim of this Congress which was to provide a forum for persons of Romanian descendent and their friends, to present their contribution in the field of arts and sciences – was reached.

- The 12 **Romanian International Conference on Chemistry and Chemical Engineering – RICCE 12** have been organized in very modern e-mail system, by faculty of Industrial Chemistry at Bucharest Polytechnic University location, in 13 – 15th September 2001. Chairman of Scientific and Organizing Committee: Prof. Ph. D. Ecaterina Andronescu. Program of these conference contained section lectures, oral communications and posters distributed in the 11 sections of the conference. We indicate firstly the number of plenary lectures secondly number of oral communications, then number of posters and the last number in parenthesis shows the contribution of our faculty members at this scientific event:

- Inorganic Chemistry (0, 14, 27, 2)
- Organic Chemistry and Biochemistry (7, 13, 38, 1)
- Physical Chemistry (0, 34, 50, 39)
- Quality control and analytical chemistry (5, 14, 26, 8)
- Chemical and Biochemical engineering (0, 37, 23, 0)
- Inorganic Chemical Technology and Environmental Protection (23, 9, 16, 2)
- Organic Chemical Technology (6, 36, 36, 0)
- Science and Engineering of oxidic materials (0, 43, 35, 1)
- Chemistry and Technology of macromolecular compounds (8, 51,41,1)
- Corrosion and Electrochemistry(11,32,45,11)
- Economical Engineering (1,10,6, 0)

This conference occasioned an important foreign participation, from Japan, Russia, Spain, Germany and R. Moldova and interesting discussions. Materials of Electrochemistry section of Conference were distributed on electronic support.

- Between 2nd- 7th September 2001 at University of Limerick was organized **EUROPACAT V Conference** by Irish Catalysis Society with the cooperation of Royal Society of Chemistry (UK) on behalf of the European Federation of Catalysis Societies(EFCATS). This Conference was projected with a very dense programme which contained 5 plenary lectures, more than 200 oral communications, distributed in 19 Symposia as parallel sessions and 715 posters.

The following plenary lectures have been sustained:

- 1) D.A. King (Univ Cambridge, UK) *A Surface Science Approach to Three Catalytic Processes*
- 2) Francis Fajula (ENJCh-Montpellier, France) *Catalysis by Micro and Mesoporous Materials*
- 3) Al. Shilov (Russian Academy of Sciences) *Biomimetic Catalysis*
- 4) H. Weinberg (SYMYX-USA) *Combinatorial Methodologies for Catalyst Synthesis and Screening*
- 5) J.Armor (Air Products, USA) *Opportunities, Strategies and Innovation for Catalysis in the New Millenium*

From our faculty in this year was a very representative participation from Department of Technology & Catalysis with papers appartenant, in order, to professors :E Angelescu (4 P), V. Parvulescu (4P+1O), I. Sandulescu (1P), I. Udrea(2P) and from Physical Chemistry Institute, M. Zaharescu (1P) together with theyr younger coworkers and graduate students.

- **University of Bucharest and University of Pretoria** in cooperation with division of analytical Chemistry of the Federation of European Chemical Societies (FECS), Romanian Academy, Chemistry section and South African Academy of Science an Art have been organized in 26 – 29 Sept. 2001 *7th International Symposium on kinetics in Analytical Chemistry* (KAC '2001) with location in the building Rectory of University.

In Wednesday 26 Sept 2001 after opening of conference (with participation of Prof. Ecaterina Andronescu, minister of Education and Research in Romania; Prof. Ioan Mihailescu Rector of Bucharest University, Prof. Koos van Staden- Member DAC, University of Pretoria- South Africa, Prof. Milt I. Krayannis – University of Ioanina Greece, Prof. Vasile Magearu – dean of faculty of Chemistry at Bucharest University) was presented the inaugural plenary lecture: *Is kinetics in analytical chemistry dead dying?... or alive?* of Emeritus Prof Horacio Mottola from Oklahoma State University, whom this Symposium was dedicated. This Symposium occasioned 6 plenary lectures:

- *Algorithm for formal kinetics of catalytic reaction. Applications in homogenous catalysis* (E. Segal – University of Bucharest)
- *New horizons in sequential injection kinetic analysis* J. F. van Staden and R. I. Stefan
- *Role of kinetics in the analytical curriculum* Stanleij R Crouch Michigan State Univ
- *Enzyme based amperometric biosensors for food analysis* Mamas I and Multiades I Karayanis – Univ. of Ioanina Greece
- *DNA Biosensors applied in chemical and food chemistry* Marco Mascini – Italy
- *Catalysis applications in electroanalytical chemistry. Some trends and prospects* - F. G. Banica Univ. Polythehnica of Bucharest

At this symposium with an interdisciplinary topics were also presented a number of 6 keynotes, 15 oral communications and 45 posters. All this special scientific programme occasioned interesting discussions of the participants which have been friendly continued Saturday 29 September during symposium excursion (on the following route: Bucharest –

Sinaia – Brasov – Poiana Brasov – Bran – Bucharest with entrances in Peles Museum (Sinaia), Black Church (Brasov), Bran Castle (Dracula Castle) and lunch in Poiana Brasov).

- The **34th Annual Midwest Theoretical Chemistry Conference** was organized between 5-6 October 2001 by the Minnesota Computational Chemistry Group, sponsored by the Supercomputing Institute, the Army High Performance Computing Research Center, IBM, SGI, COMPAQ and GRAY, INC. The 41 plenary speakers, 86 poster papers were presented. From the Physical Chemistry Department of Bucharest University were presented two poster papers of graduate students: Loredana Vijan (co-authors: Mihaela Hillebrand and Elena Volanschi) and Ioana Stanculescu (co-author Cristina Mandravel). All together, there were 144 attendees from fifteen american states, Canada and Australia.

Prof Ph D Cristina Mandravel