

SCIENTIFIC EVENTS OF THE YEAR 2008

On 10 May 2008 was held the second National Symposium “**Chemistry Friend or Enemy ?**” This event was organized under patronage of Romanian Society of Chemistry and Ministry of Education and Research and sponsored by Coca-Cola at the Faculty of Chemistry, University of Bucharest. Professor Dr. Cornelia Cercasov was general coordinator of the young organizing committee formed by: Ass. Professor, Mihaela Badea (from Inorganic Chemistry Department), lecturer dr Eliza Oprea, lecturer dr. Irina Zarafu, Assistant Professor Christina Zalaru, drd assist. Nicoleta Mihaela (Department of Organic Chemistry), lecturer dr Adriana Urda and drd assist Georgeta Mitran (Department of Technological Chemistry and Catalysis). In the day of actions to assure development of the multiple parallel sections was mobilized and the staff from other departments of faculty. Aim of this action is to direct the interest and attitudes of actual school students to the chemistry and its various applications in the daily life. The 2008 event has an enlarged participation in comparison with the precedents being organized in two principal sessions: one dedicated to presentation of selected scientific works of students from high school (109 works registered), and the second to teachers works (57 papers).

Between 22-26 July the 32nd **Congress of the American Romanian Academy (ARA)** was held in Boston, Massachusetts, USA at Wentworth Institute of Technology (WIT). ARA was founded in 1975 in California by a group of Romanian intellectuals residing in the USA. Every year ARA organizes a Congress that provides an open Forum for Romanian intellectuals and their friends to present new ideas and achievements in field of the sciences and arts. In 2008 Chairman of Congress was professor Dr. Eng. Ilie Talpasanu. Honorary chairman was professor dr Zorica Pantic, president of WIT, aided by an organizing committee formed by young enthusiastic teaching and researching staff: Marin Gh Simion, Julieta Roz, RJ Lind, Cristina Cozma. Papers registered as oral communications for this Congress are presented in 11 traditional sections and mentioned in parenthesis as follows:

1. Computer Sciences (14), 2. HistoryAnthropology (8) 3. Environment (13) 4. Education (8) 5. Engineering (28) 6. Law (12) 7. Literature-Linguistics-Fine Arts (6) 8. Economy (38) 9. Theology-Philosophy (8) 10. Medicine (5) 11. Chemistry-Biology-Applied Mathematics (13)

At the section Environment was presented communication *Preliminary data concerning determination of PCB's in transformers oil By GC_MS hyphenated method* authors: Valentina Chiosa, Georgiana Mindrila, Constantin Toader and Cristina Mandravel and at the section 11th *Actual trends in TLV's evaluation: application to halogen containing compounds using MLR method(I)* Authors: Ioana Stanculescu, Roxana Done, Cristina Mandravel

In the beautiful Watson Auditorium of WIT were organized Welcome Reception in 22nd July, Opening session and Welcome Address in July 23rd, some social events as Rhythmic gymnastics exhibition: *Around the World* (director Smaranda Moisescu MBA, MIT), ceremony of awarding as Honorary ARA members of professor Dr Zorica Pantic and governor Michaelis Dukakis, ARA General Assembly in July 23rd, Round Table dedicated to *Current global Issues* on 25th July, ordinary break coffee, lunch and dinner for congress participants and finally in July 26th Banquet and Awards Ceremony. This type of core-organization of all congress activities favoured an intense, friendly communication between participants. In July 25th Professor RJ Lind meet Congress participants for the Boston tour.

The 33rd ARA Congress will be held in Sibiu, Romania in the summer of 2009!

Between 3-5 September 2008 was held **International Romphyschem 13 Conference** in the Halls of Chemistry faculty building of Bucharest University. As organizers: Ilie G Murgulescu Institute of Physical Chemistry, Department of Physical Chemistry, Bucharest University, Romanian Chemical Society Section of Physical Chemistry and ALPHA Association. Conference is posted under patronage of Romanian Academy and National Authority for Scientific Research (ANCS) President of Organizing Committee member of Romanian Academy Professor Victor Em. Sahini, scientific secretary Prof. Eugen Segal, corresponding member of Romanian Academy.

At the opening session led by Prof V. Em. Sahini welcoming address to the participants of this conference were presented by Dr. Maria Zaharescu from Chemistry section of Romanian Academy, Professor Anton Anton Ministry of National Education and Research and Rector of Bucharest University Professor dr Ioan Panzaru.

After this were programmed two plenary:

1. Enhancement of regulated oxygen release by red blood cells with a novel allosteric effector of hemoglobin: therapeutic application in congestive hearth failure and cancer (Claude Nicolau, OxyplusInc, Medford, Ma., Tufts University, Boston)
2. Understanding the interwooven chemistry and biology of risk factors at the molecular and neurocellular level in Alzheimer's disease (Athanasios Salifoglu, Aristotle University of Thessaloniki, Greece)

On September 4 from 9-11 were programmed the following plenaries:

3. Computation chemistry attempts for interaction in water solution and the structure – biologic activity relations (Zeno Simon and Liliana Pacureanu, Romanian Academy, Timisoara Instute of Chemistry)
 4. Phase-phase expansion and crystal engineering of multimetallic complexes(Marius Andruh corresponding member of Romanian Academy)
 5. Calorimetry: a performing tool for the study of catalysts surfaces (Dr. Alice Auroux- Institute of Research in Catalysis, Lyon, France)
 6. Fingerprint descriptoers for OMO-UMO quantic states applied to molecular and drug design (Dr Costinel Lepadatu-Ilie Murgulescu Institute of Physical Chemistry, Bucharest)
- Further for all traditional sections and symposia of this conference we mention in paranthesis number of keynotes, oral communications and posters as follows:

Section 1. Theoretical chemistry Molecular Structure and Spectroscopy [2,6,18]

Section 2. Chemical Kinetics, Photochemistry, Radiochemistry [1,5,19]

Section 3&4. Chemical Thermodynamics and Fluidphase Equilibria [1,6,13]

Section 5&6. Electrochemistry. Ionic liquids & Corrosion and corrosion protection [1,7,28]

Section 7. Physical chemistry of colloids and macromolecules [-,3,21]

Section 8. Physical chemistry of materials. Chemical Engineering [-,7,44]

Section 9&10. Biophysical Chemistry & Protein denaturation: physical chemical modulation/evidence [1,5,9]

Section 11. Physical Chemistry of the Environment. Physical- Chemical Analysis [3,5,7]

Symposium 12. Sol-gel Science and Technology [1,4,1]

Symposium 13. Molecular Science & Engineering [-9-]

Symposium 14. Magnetochemistry [1,4,1]

Considering that were registered in total 244 papers and high level of discussions this conference was a success full action, demonstrating value of Romanian school of physical chemistry.

Between September 10-14, 2008 the **6th International Conference of the Chemical Societies of the South East –European Countries** was held in Sofia, Bulgaria Conference was organized by Union of Chemists from Bulgaria, Society of Albania's Chemists, Pan Ciprian Union of Chemistry, Association of Greece Chemists, Chemical Society of Montenegro, Romanian Chemical Society and Serbian Chemical Society. General chairman of ICOSEEC -6 international committee was professor V Beshov. Program of this event was projected under idea *Chemistry and 21st Century Challenges Science & Innovation*, containing 4 plenary lectures, 8 keynotes invited lectures, few oral communications and predominantly posters which are organized in 11 Symposia: 1 Physical chemistry and Electrochemistry, 2. Organic chemistry, 3. Inorganic chemistry & Education, 4. Analytical chemistry 5 Catalysis, 6. Chemical engineering, 7. Chemistry & Environmental protection, 8. Inorganic Technology, 9. Oil Processing Petrochemistry and Organic Synthesis, 10. Nutritional Chemistry and Biotechnology, 11. Polymers. We mention only the plenary conferences:

11 Sept 2008: *Oxobiodegradable plastics as packaging materials* (N Katsaros –institute of Physical Chemistry Democritos, Athens, Greece)

12 September 2008: *Design, synthesis and applications of new assymetric catalysts for organic chemistry*(E PeterKundig Department Organic Chemistry, Faculty of Science, University of Geneva, Switzerland)

13 September2008: Design of functional and intelligent polymeric carriers for improved cellular transport and biorecognition (NA Peppas, Department of Chemical Engineering University of Texas of Austin, USA)

14 September 2008: *Quality of life .Free radicals and EPR* (ND Yordanov, Institute of Catalysis from Bulgarian Academy of Sciences, Sofia, Bulgaria).

From our faculty at the symposium 5 was programmed the oral communication :*Methane catalytic combustion over Cu,Mg,Al,O catalysts*: Authors : S Tanasoi, A Urda, N Tanchova, IC Marcu, T Fajula, I Sandulescu (Romania, France) and 14 posters at the symposia: 1,2,3,5,7 with an enlarged participation of young teachers and enthusiastic Ph.D.students.

In 29 October 2008 at 10.30 in the Scientific Hall Council of Faculty of Chemistry, Blvd Regina Maria 4-12 building in the presence of the distinguished audience was held conference of professor **Tamio Endo** Mie University –Japan concerning *Phase Separation and Magnetostriction in LBMO Thin Films*. After conference interesting discussions concerning possibility to enlarge change of young researchers and Ph.D students were occasioned.

Prof. Dr. Cristina Mandravel