

SCIENTIFIC EVENTS OF THE YEAR 2006

Faculty of Chemistry organized in 12th May 2006 **Scientific students work session** in the hall I G Murgulescu. In opening session was plenary conference *Green chemistry – Chemistry of future?* sustained by assistant professor Simona M Coman. After this were communicated 40 works distributed as follows: 10 by undergraduates students, 9 by master students and 20 by Ph D students. All the students received diploma for participation. It was observed a more intense students participation at discussions. Some words concerning awards distribution. At the section of undergraduated students were distinguished with the first award work student Loredana Manarosie: *Omogenous versus heterogenous enzymatic catalysis*, Serban Dobroiu: *Selective epoxydation of aromatic unsaturated ethers* and Laura Soare: *Spectral study of photophysical process of complex formation of atenelol, a cardiovascular drug, with β -cyclodextrin* (second award)

In the master section were distinguished with first award: Iulia Matei *Fluorometric and molecular mechanics study of inclusion complex of quinolin-phenoxathiin with β -cyclodextrines*. The second award was obtained by master students: Floarea Em Pasatoiu: *Separation and determination by HPLC-DTA of trimetasidine,, correlated with 6 impurities form pharmaceutical formulations*. The third award is distributed to Ioana Dumitru *Reduction of some steroidic enones with reagent Nickel Raney* and Baiu Alina Mariana: *Polynuclear complex combinations with anions of tartaric acid as ligands*.

In the section of Ph D students first award was conferred to Maxim Catalin: *Copper mononuclear complexes precursors for supermolecular multimetallic systems*. Were distributed 3 second awards to: Tablet Cristina: *Experimental and theoretical study of inclusion complexes of 3-carboxy5,6- benzo-coumarinic acid with B-cyclodextrines* and Florentina Iosif: *Addition of boronic acids in water medium in presence of Rhodium catalysts*; Maria Cristina Bratu: *Determination of Hg from fish by CAAS at 184.9 nm*

It is obvious that most of scientific awarded students were leaded with competence by prestigious professors from our faculty as: M.Andruh, FA Danet, V David, M Hillebrand, V. Parvulescu.

Between 6-8 September 2006 halls of faculty of Chemistry and History at Bucharest University hosted **International Conference of Physical Chemistry ROMPHYSCHEM-12** under patronage of Romanian Academy and National Authority for Scientific Research. As organisers: *Ilie Murgulescu* Institute of Physical Chemistry, Department of Physical Chemistry of Bucharest University and Romanian Chemical Society.

The big Nicolae Teclu-C3 Auditorium hosted the opening session with short allocutions of Acad. Prof Ionel Haiduc, President of Romanian Academy, Acad. Prof V Em Sahini, chairman of the conference, Prof Ph D Dumitru Oancea, dean of faculty.

The very dense program of conference contained Plenary lectures (7), key-note lectures(26), oral communications (133) and 272 posters. We mention only plenary lectures: *Reactivity, Regio and Stereo – selectivity in reactions of Arenes -Tricarbonyl –Chromium complexes* (SIRosca - Polytechnica University of Bucharest); *Titanium oxide: a universal material* (JoopASchoonman - Delft Institute for Sustainable Development); *Photocatalytic activity of modified Thiols for purification* (Lachezar Pehov, V Iliev, A Elyer –Institute of Catalysis, Bulgaria); *Fisher Type evolution laws in physical chemical and biological kinetics* (MO Vlad- Institute of Material Sciences Romanian Academy-Bucharest); *Fundamental chemical processes of ethiopathogenesis in Alzheimer disease from small molecules to large biomolecule participation* (Athanasios Solifoglu University of Saloniki, Greece); *Novel aspects of intramolecular charge transfer* (Schammai Speiser- Israel institute of Technology ,Haifa, Israel); *Electronegativity –today* (Maria Mracec and Mircea Mracec-University of West-Timisoara). In addition to traditional symposia: Fluid Phase Equilibria, Sol-Gel Science & Technologies, Oscilatory reactions were organized a new symposium on Magnetochemistry, a round table EPR in nanomaterials (programmed in 4 september) and the 2-nd Workshop on Molecular Science and Engineering. In total a number of 85 foreigner researchers are implicated in this conference, which has, really, a international character.

Between September 10-14,2006the **5th International Conference of the Chemical Societies of the South East –European Countries** was held in Ohrid at Metropol Hotel Complex, concomitently with the XIXth Congres of the Chemists and Technologists of Macedonia (Prezident of SCTO and chairman of ICOSECS –5 was professor S.H.Iordanov). ICOSECS –5 is an event of the European Association for Chemical and Molecular Sciences (EuCHEMS), sponsored by Organization for the Protection of Chemical Weapons (OPCW)and supported by 14 Macedonia’ s firms .Program projected under idea *Chemical sciences at the European crossboards*, comprised 9 plenary lectures, 19 invited lectures and 565 posters, organized in 11 sections: Analytical chemistry ,Biochemistry, Biotechnology, Chemical engineering, Education, Environment, Inorganic chemistry, Materials, Organic chemistry, Physical chemistry, Polymers. From our faculty were 29 participants (professors M Andruh, M Badea, C Bala, V Magearu, D Oancea, I Udrea, assisted by some components of young staff and Ph D students).

Between October 29-November 3, 2006 at Cancun, Mexico was organized the 2006 Joint International Meeting which was combined with the **210 Meeting of Electrochemical Society (ECS)** and the XXI-Congress of Mexican Society of Electrochemistry. Event was held at the Moon Palace Resort Hotel being technically cosponsored by Iberian American Society of Electrochemistry. This major international conference included 50 topical symposia consisting of 2185 technical presentations .Well known John Fenton, Director of the University of Central Florida Solar Energy Center presented invited conference *Polymer Electrrolyte Fuel Cells... for the rest of us*. At this prestigious event from our faculty was present Ph. D student Anca Toader at the section Pharmaco-electrochemistry with poster communication: *Electrochemical study of the hemine-glutathione interaction in the absence and presence of surfactants*. Auhors: A M Toader, C Diaconu (Institute of Virology) and AE Volanschi (University of Bucharest). The program of meeting contained an awards session and a very rich Technical exhibition, interesting short courses and also a significant part for non-technical registrants.

The IVth edition of **International Conference of Young Researchers** was organized in November 2006 at Chishineu under auspices of Ministry of Education and Youth of the Republic Moldova, Academy of Sciences of Moldova, Association of Young Researchers of Moldova, Pro-Science and INTAS. This Conference was dedicated to the 60th anniversary of Academy of Sciences of Moldova and has as objective promotion of scientific activity and the intercommunication of young researchers. In the 3 traditional sections of this conferences were communicated in total 187 papers as follows: I .The biological, chemical and ecological sciences (85 oral communications); II. The mathematical, physical and engineering sciences (15 oral communications); III. The social, humanistic and engineering sciences (87 oral communications). Abstracts of this international conference were published in English, Romanian or Russian. In the first section from our faculty were presented 2 oral communications: *Correlations of TLV's with physical chemical properties for some volatile organic compounds* Authors: Done Roxana, Chiosa Valentina, Stanculescu Ioana; *Spectrophotometric study of some bisbenzylisoquinoline alkaloids complexes with earthcations* Authors: Stanculescu Ioana, Done Roxana, Chiosa Valentina. Both these oral communications are sustained by Ph. D. student Roxana Done.

Prof. Dr. Cristina Mandravel