

SCIENTIFIC EVENTS OF THE YEAR 2003

In 27th May 2003 in the auditorium Nicolae Teclu at Faculty of Chemistry was celebrated **40 years of existence of Institute of Physical Chemistry of Romanian Academy I.G. Murgulescu**. The scientific tradition and the actual trends in fundamental and applied research of this prestigious institute were described by the academicians V. Em Sahini, Mircea Banciu, dr. M Popa, actual director of the Institute, Prof. dr. doc. Eng. Rodica Valcu, Prof. Dr. doc. E. Segal, prof. Dr. Elena Volanschi, Chair of Physical Chemistry Department, and former researchers: Dr. Doc. Stefania Zuca, Dr. doc. C. Marchidan and dr. doc. Gh. Cismariu.

American Romanian Academy (ARA) organised his 28th Annual Congress at University Constantin Brancusi from Targu-Jiu, between June 3rd-8th 2003. At official opening session directed by Prof. Dr. Emil Moroianu, rector of host university, some introductory words were pronounced by Eugen Simion, president of Romanian Academy, G. Zaman, Romania Presidents counsellor, Doru Ionescu, Secretary of Government, Ioan Dumitrache, president of National Research Council of High Education, numerous personalities from host county and, finally, Professor dr. Eng. Ion Paraschivoiu, ARA's president. Program of congress contain 4 plenary sessions, 3 round tables, an international Book Exhibition and 10 parallel sessions. Plenary sections: *Nations Future in a world of globalisation*, moderated by ARA member Florin Ionescu, Germany; *Far-East - A divided Power*, Cl. Matasa, Hollywood, USA; *Role of Diaspora in Research remaking in Romania*, R. Mihalcea, Bochum, Germany; *Informational confruntation –contemporary dimensions*, moderated by Acad. Radu Voinea, Romania. Parallel sessions are dedicated to 338 paperworks distributed in: Law and Politics(LAPO-48), Philosophy and Theology (PHTH-15), History, Anthropology and fine Arts(HAFA-45), Linguistics and Literature (LILE-19; Economy (EC-46); Environment (EN-15); Biology and Medicine (BIME-15); Engineering and Applied Mathematics (EGAM-106 papers – the best represented section); Physics and Chemistry (PHCY - 31) Education and Psychology (EDPS-46) sections. In the June 7th was held ARA General Assembly. The hosts did their best including a very rich social program (excursions at Pestera Muierilor, at Monument of Tudor Vladimirescu at Pades, Tismana Monastery, in Constantin Brancusi Museum at Hobitza, etc) The next ARA congress will be in Bochum, Germany.

The **11th Physical Chemistry Conference** with International Participation ROMPHYSCHEM11 have been organised in September 2-5th, 2003 in Timisoara with collaboration of followings institutions: Institute of Chemistry Timisoara of Romanian Academy, West University of Timisoara (Faculty of Industrial Chemistry and Environmental Engineering) I.G. Murgulescu Institute of Physical Chemistry of Romanian Academy, University of Bucharest (Department of Physical Chemistry), National Institute for Research and Development in Electrochemistry and Condensed Materials, Timisoara, University of Medicine and Pharmacy Victor Babes Timisoara (Faculty of Pharmacy),

Banats University of Agricultural Sciences and Veterinary Medicine Timisoara, section of Physical Chemistry of the Romanian Chemical Society, Timis Country Council (Culture Commission). Chairman Acad. Victor Em. Sahini, (University of Bucharest), Co-chairman: prof. Dr. Simon Zeno, corresponding member of the Romanian Academy, scientific secretary Prof. Dr. Eugen Segal, corresponding member of the Romanian Academy. Location: West University of Timisoara. In the opening day of conference 2nd September in the beautiful Aula Magna of the University, after special ceremony of the Doctor Honoris Causa awarding to prof. Allan R. Katritzky, Department of Chemistry, University of Florida, Gainesville, USA and response of the nominee, were scheduled Honorary scientific lectures: *Understanding how chemical structure determines physical, chemical and biological properties* (prof. A. R. Katritzky); *Molecular design in large scale-the open Molgrid project* (prof. M. Karelson, Centre of Strategic Competence, University of Tartru, Estonia). Other plenary lectures: *Electrostatic enzyme catalysis* (prof. Gabor Naray-Szabo, Hungarian Academy of Sciences, Budapest); *Structure-activity relationship in ecotoxicology* (prof. Gerrit Schurmann, Department of Chemical Ecotoxicology, UFZ Center for Environmental Research, Germany); *Variability of denatured protein refolding mechanism* (Acad. V. Em. Sahini, Dept. of Physical Chemistry, Bucharest); *Current - density maps, ring currents and aromaticity* (prof P.W. Fowler, Department of Theoretical Chemistry, University of Exeter, UK); *On the evaluation of nonisothermokinetic parameters of (GeS₂)O₃, (Sb₂S₃)O₇ crystallisation using the IKP method* (prof. Dr. Doc. E. Segal & coll. – Univ. of Bucharest); *Enumeration of conjugated circuits in nanotubes* (dr. I. Lukovits, Chemical Research Center Hungarian Academy of Sciences); *From natural to artificial light harvesting systems* (dr. S. T. Balaban, Forchung Zentrum, Karlsruhe, Germany); From 3-5th September were been organised 7 poster sessions grouping 179 posters and also a number of 51 oral communications distributed between 10 traditionally sections of this conference . In the frame of the ROMPHYSCHEM11 were also discussed the works of four Symposia: Sol-Gel Science Symposium, QSAR and Computer Molecular Modeling Symposium, Phase Equilibria Symposium, Oscillating Reactions Symposium. The ROMPHYSCHEM11 occasioned an important foreign participation and interesting scientific discussions and social programme, finally meaning a better knowledge of state of art in physical chemistry science.

Between 16-20 September 2003 has been organised the **13th Romanian International Conference on Chemistry and Chemical Engineering (RICCE 13)**. In very modern e-mail system calling, by Faculty of Chemical Industry from Polytechnic University of Bucharest under auspices of Ministry of Education and Research. At opening session, in Polizu location, Chairman of conference, Prof. Dr. Ecaterina Andronescu, Dean of Faculty, expressed some considerations on the perspectives of scientific research in this domain. Program of this conference contained section lectures, oral communications and posters distributed in the traditionally 11 sections of the conference. We indicate firstly number of plenary lectures/number of oral communications, secondly number of the posters, and last number in paranthesis shows the contribution of our faculty members at this scientific event in the corresponding sections: 1. Inorganic Chemistry (2/13,18,8); 2. Organic Chemistry and Biochemistry (4/17,22,1); 3. Physical Chemistry (12,21,11); 4. Quality Control and Analytical Chemistry (7,12,4); 5. Biochemical and Chemical Engineering (26,5,0); 6. Inorganic Chemical Technology and Environment Protection (13,16,4); 7. Organic Chemical Technology, Dyestuffs, Petrochemistry, Carbochemistry (18,6,3); 8. Science and

Engineering of Oxidic materials (17,3,0); 9. Chemistry and Technology of Macromolecular Compounds (1/10,11,0); 10. Corrosion and Electrochemistry (17,13,0); 11. Economical Engineering (8,7,0).

Romanian Society of Occupational Hygiene with Faculty of Chemistry of Bucharest University organised between 25-26th September 2003, under auspices of Romanian Ministry of Health and Institute of Public Health, the **3rd Conference** with international participation. Motto of this conference: **The study of occupational risk. Partnership between the occupational hygienist and the occupational medicine physician.** In the opening session the following personalities have been expressed their appurtenance to this interdisciplinary conference: Eng. R. Branisteanu, president of Romanian Society of Occupational Hygiene (RSOH), Prof. Dr. Vasile Magearu, Dean of Faculty of Chemistry, Researcher I, Dr. Rodica Stanescu co-chairman of this conference, Secretary of State from Ministry of Health, Acad. Victor. Em. Sahini. The keynote speakers of this conference: Kenneth Olden, director of American National Institute of Hygiene: *Toxicology in the Post-genome sequencing era*, Dr Donna Doganiero from AIHA, *Partnership between the occupational hygienist and the occupational medicine physician*, Prof. Dr. Cristina Mandravel: *Computation methods for TLV's from Physical –chemical data*. In plenum of conference have been presented fruitfully 12 oral communications (2 from Netherlands, 1 from England), 10 posters communications and have been included the stand desks of the firms: SEPADIN srl (in co-operation with SKC-LTD, UK, represented by Director Melanie Brown), JASCO and were observed very interesting debating discussions on the new Occupational Safety Law(2002)in Romania. The foreign participants were impressed of new restored University House where conferences cocktail are organised.

Between 29-31th October 2003 in new location of Romanian Academic Library have been opened the works of annual Symposium **Environment and Industry**, dedicated to 25 years of activity of National Institute for Research and Development for Industrial Ecology. This event was organised under auspices of Chemistry Section of Romanian Academy, Romanian Society of Chemistry, Ministry of Economy and Trading, Ministry of Education, Research and Youth, Ministry of Agriculture, Forests, Waters and Environment, Balcanic Association of Chemistry (BENA). In the opening session actual director of this Institute Margareta Nicolau evoked dynamics of development of institution and permit some allocutions of formerly directors: Gavril Musca, Cornel Craiu, Virgil Candea. Plenary lecture: Isaac Sheps: *On Today Menu – Quality*. In the traditional sections of this annual Symposium have been presented numerous oral communications and posters I (18 OC + 23 P); II (18 OC + 4 P); III (15 OC + 13 P). In the new introduced fourth section entitled Projects and Fellowships - Environment program Tuborg – BENA, Laws Management of Environment & Quality were presented 7 oral communications and 37 posters. Exposition of firms products for control and monitoring of pollutants have been also organised.

Prof. Dr. Cristina Mandravel