

SCIENTIFIC EVENTS OF THE YEAR 2009

On April 30, 2009 **General Assembly of Romanian Academy** elected in the section of Chemical Sciences, in conformity with very strict rules for new member admission, as **titular members** professors **Marius Andruh** and **Eugen Segal** and as **correspondent member** professor **Dumitru Oancea**.

This election is a special honor not only for the individuals, but is a pride for all collective of students and professors from Faculty of Chemistry at Bucharest University. In fact, beside **Academician Victor Em Sahini** yet 3 academicians will be developed a high level chemistry research in this institution!

On May 15, 2009 at the Faculty of Chemistry (Panduri building) from Bucharest University was organized the third edition of **Symposium Chemistry-Friend or Enemy?** In favor of this event organization contributed Ministry of Education, Research and Innovation, Romanian Society of Chemistry with the help of the Directions for Education in High School from Bucharest and major towns countries. The event was sponsored by Coca Cola-Romania. Works of Symposia were distributed in **4 sessions for students** (89 papers) and a **teacher session** (31 papers). The diversity of themes and passion of students which presented these papers were impressive. At the teacher session the majority of papers were dedicated to new learning techniques (using Webquest, interactive techniques, or project role in process of learning). Surely, organization of this event, supposed a sustained logistic effort from Faculty of Chemistry staff, which hope to attract more young pupils in domain of chemistry profession, which is very beautiful, but difficult and needs a lot of work.

On May 22, 2009 in the Hall I.G. Murgulescu of the Faculty of Chemistry was held the **Vth Scientific Students Communications Session**. This edition was sponsored by Rectorate of the Bucharest University and Cromatec Plus (dealer of the Perkin Elmer Firm-Romania). The opening of this session begun with a very interesting plenary conference of Dr Daniel Funeriu from Technical University of Munchen: *A short travel in chemical space: from structure to kinetics*. Faculty of Chemistry and Chemistry Students Association from Bucharest University (CSA-BU) organized this action as 3 consecutive sections corresponding to the existing 3 university cycles: **Bachelor** (16 papers submitted) **Master** (10 papers) and **Doctoral** (6 papers). In this mode in a single day the Scientific Examination Commission (conducted by attendant professor Cezar Ioan Marcu and formed by attended professors from the 5 chemical departments of the Faculty and CSA-BU representatives: Claudiu Dobrinescu, Mihaela Mocanu and Anca Remes) examined 32 presented papers and

distributed awards. This year was an evident orientation of the Bachelor students research interest in the domain of biochemistry (7 works from total of 16 are developed under advising of the attendant professor PhD Ileana Farcasanu). At the Master section were communicated three papers with subjects axed on inorganic & coordination chemistry conducted by attended professor Marilena Fierbinteanu Cimpoiu and 5 papers were also axed on different problems of biochemistry. At the Doctoral section PhD student Traian Pasatoiu communicated two papers in domain of inorganic chemistry. At the finish of the session were distributed awards. It is obvious that level of discussions demonstrated a good experimental and theoretical preparation of participating students. Success of this session evidenced also an improved organizing ability of Chemistry Students Association from our faculty.

Between 2-7th June 2009 the **33rd Congress of the American Romanian Academy for Arts and Sciences (ARA)** was held at University Alma Mater (UAM) in Sibiu, Romania.

ARA was founded in 1975 in accord with American academic organizations rules, by Monsenior Octavian Barlea. Emblem of 2009 Congress: *Modernism and Progress in Arts and Sciences* Honorary Chairman of ARA-33rd: Professor Nicolae Georgescu. Chairman: Professor Mircea Cosma. Characteristic for ARA Congresses is a very rigorous papers preselection and the fact that all admitted communications are oral or plenary. As consequence, works of ARA Congress needs a lot of logistical space and technical accessories and are scheduled in plenary and parallel oral sessions. Opening session was scheduled on June 3, followed by plenary session and in the evening, in the beautiful Mayor residence ARA congressmen have been invited at City Official Reception. In the 8 traditional ARA Congress sections, scheduled in parallel sessions on June 3 afternoon, on June 4, all the day, and June 5, were admitted 322 papers as follows :

I. Arts, History & Anthropology (21); II. Philosophy, Theology & Education (28); III. Law & Politics (50);

IV. Economy (143); V. Biology, Medicine & Environment (15); VI. Linguistics & Literature (29);

VII. Engineering, Computer Sciences & Applied Mathematics (90); VIII. Physics & Chemistry (14).

It is obvious the abundance in this "crisis time" of works axed on economy, engineering, computer sciences and applied mathematics, directions in which the Sibiu-host city- excels. It must be mentioned that works in domain of the applied mathematics at section VIII were conducted by Academician Constantin Corduneanu, in present Professor Emeritus at University Texas -Arlington, president of ARA between 1994-1998. From our Faculty at the section V. Environment was sustained a communication by attendant professor Mihaela Badea, H.N. Matei and another at the section VII (authors: A. Soare, I. Stanculescu, C. Mandravel). On June 5 after closing ceremony were planned visits to Astra Museum, Old Town and Bruckental Museum and Dinner Party in the evening. Excursions to Medias or Sighisoara cities were planned on the 7th of June.

As conclusion, we may observe that the large profile specific for ARA Congresses occasioned a very interesting free exchange of ideas, favored by host city atmosphere.

Between August 28-September 2 was organized the **26th Miller Conference on Radiation Chemistry** by Institute of Isotopes of Hungary Atomic Society (HAS) in cooperation with Atomic Energy Agency in Keszthely, Hungary at hotel Helikon. We may observe that both, the basic and applied aspects of the radiation chemistry belong to the scope of this conference. Conference Chairmen: professors E. Takacs and L Wojnarovits from Institute of Isotopes HAS, Budapest. Organizers did their best to facilitate the participation of the young researchers. At this conference were invited 20 foreign lecturers from USA, Poland, Germany, France, Italy, Japan, UK, Romania and Israel. Conference works consisted from invited lectures and posters. From our faculty in the session II Early career scientists - has participated lecturer dr Ioana Stanculescu. She exposed the lecture: *In silico study of cellulose radicals produced by gamma irradiation* (Authors: I. Stanculescu, M. Cutrubinis, CD Negut, IV Moise). In fact, this conference contributed effectively at the exchange of experience and to interactive knowledge of the new scientists' generation.

Between 9-12 September the **16th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 16)** was organized in Sinaia by Faculty of Applied Chemistry and Materials Science from Polytechnic University of Bucharest, under auspices of Ministry of Education Research and Innovation and Romanian Society of Chemistry (RSC).

This international conference admitted plenary lectures, keynote lectures, oral communications and posters at the sections:

1. New Development in Chemical Synthesis and Catalysis
2. Biochemistry, Food and Health
3. Physical chemistry, Electrochemistry, Corrosion
4. New concepts in Biochemistry and Chemical Engineering
5. Risk, Sustainability and Environment
6. Materials and Nanostructures

Ambiance and variety of themes occasioned a large exchange of ideas, support for future research projects.

Between 28-30 October the **International Symposium Environment & Industry (SIMI)** was organized by Romanian Academy, Chemical Sciences Section, National Research and Development Institute for Industrial Ecology (INCD-ECOIND), Romanian Chemical Society (committee for Chemical and Environmental Engineering) and Balkan Environmental Association -Ro-B.ena subsidiary, under coordination of Ministry of Education, Research and Innovation, National Authority for Scientific Research (NASR), Ministry for Economy and Ministry for Environment. As precedent editions this Symposium was held in the beautiful I. Heliade Radulescu Hall of Romanian Academy. Works of the Symposium were organized in the traditional sections:

- I. Actual trends in the field of environmental technologies
- II. Pollution assessment, Environment & Quality Management
- III. Presentation of companies (products and monitoring of industrial pollution)

IV. Presentation of companies (products, apparatus and equipment in the environmental protection field)

V. Workshop and round tables on dedicated topics, specific actions for young researchers, etc.

In general, participation at SIMI of the Romanian and foreign specialists in this actual domain is reflected by interesting discussions and by common projects realization.

Editorial Committee