



6-8 septembrie 2001

SIMPOZION

30 ani

Învățământ de inginerie chimică

Cluj-Napoca
1971-2001

THE CHEMICAL ENGINEERING SCHOOL OF CLUJ AT THE 30TH ANNIVERSARY

In the days of September 6-8, 2001, at the Faculty of Chemistry and Chemical Engineering of the Cluj-Napoca Babes-Bolyai University were held the proceedings of the anniversary symposium of 30 years from the setting up of the Cluj School of Chemical Engineering.

Organized by the Department of Chemical Engineering and Science of Oxidic Materials together with the Cluj subsidiary of the Society of Chemical Engineering of Romania (SIChR), this symposium succeeded in polarizing the interest of the higher education, research, national chemical Projection and industry as well as that of some personalities outside the borders of our country.

The inaugural moment took place in the presence of Romanian Academy's representatives (academician I. Haiduc, chairman of the Cluj subsidiary), of local authorities (Gh. Funar, doctor in economy, mayor of Cluj-Napoca City), of the University (professor dr. N. Bocsan, pro-rector), of the Romanian Chemical Engineering Society (professor dr. engineer L. Literat, chairman of the Cluj subsidiary) of the higher education institutions of Cluj and other university centres.

On this occasion, Mr. Gheorghe Funar, doctor in economy and mayor of Cluj-Napoca City awarded a DIPLOMA of recognition to the Faculty of Chemistry and Chemical Engineering for its special contribution to the Cluj Scientific School's being acknowledged on national and international plane and for having trained the young generation in the spirit of love for the profession they have chosen and for having promoted the vanguard scientific research.

The jubilee ceremony continued with conferences presented in plenum:

1. *The Cluj education of chemical engineering in data and documents of archives* - professor dr. engineer Liviu Literat.
2. *External visibility of Romanian science. A bibliometric study* -academician Ionel Haiduc.
3. *Covalent modifications of graphyte felt electrodes for red-ox catalysis in organic chemistry* -professor dr. Claude Moinet, University of Rennes, France.

The first conference brings forward, on the basis of documents presented for the first time, approaches, actions, events, facts, personages, favourable circumstances and obstacles, periods with light and shadows in the historical itinerary of the Cluj education of chemical engineering. This paper, a documented study of archives, attempts to incline as objectively as possible towards the "chemical engineering in Cluj-Napoca" phenomenon.

The bibliometric study presented by academician I. Haiduc makes a comprehensive synthesis of the Romanian scientific research considered from the angle of the impact in the means of information and diffusion of original research in the international circuit. The study brings to light some not exactly favourable aspects for the Romanian science's image and looks for (objective and subjective) explanations for this state of things. In the hierarchy of scientific production on the world plane some correlations are noticed between the scientific performance of a country and the economic standard, and within the framework of every dependent nation implying priority politics, experience and traditions in research, scientific management etc.

In the last paper, of strict specialty, professor Cl.Moinet discusses about some results in research in the field of organic electrocatalysis performed at the University of Rennes, France. This study makes a punctual analysis of electrode processes and the catalytic act involvement in releasing some modifications in the structure of graphyte felt electrodes, with consequences upon the mechanisms, efficiency and selectivity in red-ox organic catalysis.

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The symposium proceedings progressed according to the schedule within the fourth Section, under the form of conferences, papers and posters. A number of 127 papers and 268 authors have been registered and grouped as follows:

In the scientific program also entered: an *international scientific seminar EISEDIMA-RO* having as themes environment legislation, risk and financial administration of disasters, as well as a *Tribune of the young researcher*, meant to stimulate the original and independent research work of students and candidates for a master's degree.

Section	Conference	Paper	Poster	Total
1. Chemical and biochemical engineering, informatics of chemical systems	3	18	15	36
2. Science and engineering of oxidic materials	1	19	6	26
3. Chemistry and protection of the environment	2	12	17	31
4. Chemistry -physics	4	8	22	34
Partial and general total	10	57	60	127

Both actions, having the character of a premiere, proved to be of great interest and consequently are recommended to perpetuate.

The scientific success obtained by the symposium was significant in our opinion, thanks to the value of the papers presented, quality and level of discussions, exchange of information, a more definite knowledge of preoccupations at various schools and collective bodies of research, setting up of new co-operating relationships on national and international planes.

The proceedings of the symposium sections have been recorded on a CD and delivered to participants (CD-ROM, Ed. ACCENT, ISBN 973-99821-8-2, 2001). Another part will appear in STUDIA UNIVERSITATIS "BABES-BOLYAI", Chemistry Series No. 1/2001.

Within the framework of the symposium a launching of book took also place (*TECHNICAL CERAMICS. Principles of calculation and projection*), achieved by a teaching staff from the Chair of Chemical Engineering and Science of Oxidic Materials (L. Literat, L. Gagea, F. Goga, E. Mirica, E. Olariu), recently appeared in, the Science Book Publishing House, Cluj-Napoca. It was presented by professor dr. engineer Maria Preda from the Bucharest POLYTECHNIC University, Faculty of Industrial Chemistry, Chair of Science and Engineering of Oxidic Materials.

One cannot disregard the organizers' care for providing agreeable sojourn conditions to participants. We make reference to accomodation in one-room flats pertaining to student hostels, and to the main meal within the faculty (the place destined to the symposium proceedings), at moderate prices, and also to the two free of charge trips and visits organized at Turda Salina (on September 6) and at the Remeti Monastery, Alba Iulia and Aiud (on September 8, 2001).

The splendour and original thrill of Turda Salina's depths, the ad-hoc organized musical audition and cocktails will be, we do hope it, pleasant memories for all participants.

Likewise, the trip on the Geoagiu de Sus valley has revealed other unmistakeable beauties of the Apuseni Mountains which, in the dipper of palms of groove and rock, guard a precious jewel of Romanian architecture, the Remeti Monastery, a symbol of durability, faith and hope.

These moments of delight and, in general, the symposium organization was made possible due to those wanting and being in the position of helping us (S.C. TERAPIA, S.A., S.C. NATEX, S.A., S.C. CEROC S.A., S.C. NAPOLACT S.A., S.C. MUCART S.A. from Cluj- Napoca, S.C. CERASIL S.A. from Oradea, S.C. FAIMAR S.A. from Baia Mare, S.C. SALINA Turda), to whom we address, in this way, our thanks.

We wish that the Cluj school of chemical engineering enjoyed new achievements in its process of being continually appreciated, enjoyed a long and prosperous life, were favoured with success in the scientific competition and in educating series of students and graduates.

MANY HAPPY YEARS!

Professor dr. engineer LIVIU LITERAT