



OVERVIEW

of the International Scientific and Professional Conference *14th Ružička days* „TODAY SCIENCE - TOMORROW INDUSTRY“ Vukovar, 13th - 15th September 2012

Croatian Society of Chemical Engineers, Josip Juraj Strossmayer University of Osijek, Faculty of Food Technology Osijek, EuCheMS - European Association for Chemical and Molecular Sciences and EFFoST - European Federation of Food Science and Technology have organized an International Scientific and Professional Conference, 14th Ružička Days, dedicated to Leopold (Lavoslav) Ružička, the Croatian Nobel Laureate in Chemistry, traditionally held in Vukovar, Croatia, on the 13th - 15th September 2012. 14th Ružička Days was held under the slogan

„TODAY SCIENCE - TOMORROW INDUSTRY“. Ružička was awarded the Nobel prize in Chemistry in 1939 and he supported very much the development of the Croatian chemical science and organic chemistry - many of Croatian scientists specialized professionally in Ružička's laboratories, also Vladimir Prelog, Croatian Nobel Laureate in Chemistry in 1975, was among them. The Conference was organized under the auspice of the Croatian Academy of Sciences and Arts - Department of Mathematical, Physical and Chemical Sciences.



Initial lecture of Professor Srećko Tomas: Nobel Laureate Ružička as inspiration source, anent to 125th anniversary of Ružička birth, on 13th September 1887

At the opening ceremony the participants were greeted by professor Ante Jukić, Chairman of the Scientific and Organizing Committee, Željko Sabo, Mayor of Vukovar City, Božo Galić, Vukovar-Srijem County Prefect, Gordana Kralik, Rector of the Josip Juraj Strossmayer University of Osijek, as well as by the representatives of main sponsors: Stjepan

Leaković - PETROKEMIJA, Plc. Fertilizer Company, and Dragan Cvenić - INA - Oil Industry Ltd. Professor Dietrich Knorr (TU Berlin), Chairman of the EFFoST - European Federation of Food Science and Technology and Professor Ulrich Schubert (TU Wien), Chairman of the EuCheMS - European Association for Chemical and Molecular

Sciences have also greeted the participants, while Saša Zelenika, Assistant Minister - Ministry of Science, Education and Sports, has officially opened the Conference.

Under the slogan „TODAY SCIENCE - TOMORROW INDUSTRY“, the goal of the Conference was to promote excellence, interdisciplinary, originality and innovation in scientific researches, with an emphasis on the application of science and new technologies in the industry.

Altogether, there were 130 scientific and professional presentations on 14th Ružička Days, more than 150 participants and 400 authors on presentations, in six topics: chemical analysis and synthesis, chemical and biochemical engineering, food technology and biotechnology, medical biochemistry and pharmacy, chemistry in agriculture and forestry and environmental protection. There were 6 plenary lectures, 2 invited, 12 selected oral presentations and more than 100 poster presentations. Plenary lectures were held by Dietrich Knorr, Technische Universität Berlin: Emerging food processing technologies: from science to applications; Ulrich Schubert, Technische Universität Wien: New sol-gel materials: from the laboratory to applications; Bruno Zelić, Faculty of Chemical Engineering and Technology, University of Zagreb: The application of microreactors in biochemical engineering; Žaneta Ugarčić, Josip Juraj Strossmayer University of Osijek, Faculty of Food Technology Osijek: Quality of pasta enriched with different functional ingredients; Igor Jerković, Faculty of Chemistry and Technology, University of Split: Bioorganic researches: phytochemicals as markers of honey botanical origin; Božidar Šantek, Faculty of Food Technology and Biotechnology, University of Zagreb: New biotechnological products - research and industry.

The Conference was accompanied by the Meeting of high schools young chemists, which was held on the 12th September 2012 in the Ružička house (oral presentations of the two best rated works from the Meeting of young chemists were presented also at the Conference on the 14th September 2012). High schools from Kutina, Đakovo, Osijek and Vukovar participated. All schools and all participants were awarded with professional books and with annual subscription to journal „*Chemistry in industry*“. Last day of the Conference, 15th September 2012, was dedicated to presentations and discussions considering new strategy and action plan of the European Commission: „Innovating for Sustainable Growth: A Bioeconomy for Europe“.

The Conference was also accompanied by a number of other activities. During the welcome reception in the

lobby of the „Croatian house Vukovar“ the exhibition about Lavoslav Ružička: School days of Lavoslav Ružička, organized by the City Museum Vukovar and the State archive from Vukovar and Osijek, was opened. Also, there were Antun Sabo's paintings exhibition, organized tour of Eltz Manor, a Baroque castle in Vukovar, and in the evening a gala dinner (Hotel Lav) was organized. On 14th September 2012 the tour of Vukovar military base, Ilok town Museum and Ilok wine cellars with wine tasting were organized.



The Conference 14th Ružička Days was supported by the many institutions and companies, including Ministry of Science, Education and Sports of the Republic of Croatia, Ministry of Agriculture of the Republic of Croatia, and the Gold Sponsors: INA - Oil Industry Ltd. and PETROKEMIJA, Plc. Fertilizer Company. All of them have recognized importance of keeping tradition and transferring message of Lavoslav Ružička, expressed through his words which are also the slogan of the Conference, exactly in his birth house.

In the name of all participants of the organizing committee I hope that the participants of the 14th Ružička Days took pleasant memories with them and I am looking forward to meeting again, on 15th Ružička Days, in 2014!

Ante Jukić

Prof. dr. sc. Ante Jukić
Chairman of the Scientific and Organizing
Committee