



# Chemické

# listy

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4<sup>th</sup> Meeting on Chemistry and Life

Faculty of Chemistry, Brno University of Technology, Brno

9. – 11. 9. 2008

# 4<sup>th</sup> Meeting on Chemistry & Life

BRNO, Czech Republic  
September 9–11, 2008

Organised by Faculty of Chemistry  
Brno University of Technology

The Fourth Meeting on Chemistry & Life was held in the beautiful city of Brno which is the educational and cultural centre of the South Moravian part of the Czech Republic. It draws upon the tradition of three annual meetings providing a forum for exchange of ideas on recent advances in research and development in chemistry, biotechnology, materials science and environmental technology for people from industry, research and academia. The conference was held at the Faculty of Chemistry, Brno University of Technology under the auspices of the rector of the Brno University of Technology, prof. Karel Rais, MBA.

## THE SUBJECT SESSIONS

- Environmental Chemistry & Technology (head of the session: Josef Čáslavský)
- Food Chemistry & Biotechnology (head of the session: Jiřina Omelková)
- Chemistry of Inorganic Materials (head of the session: Jaromír Havlica)
- Chemistry of Organic Materials (head of the session: Zdeněk Friedl)
- Photochemistry (head of the session: Michal Veselý)
- Physical & Applied Chemistry (head of the session: Miloslav Pekař)
- Polymers & Polymer Composites (head of the session: Josef Jančář)

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Brno University of Technology, Faculty of Chemistry, Purkyňova 464/118, CZ-612 00 Brno, Czech Republic,  
phone: +420 541 149 301, e-mail: [info@fch.vutbr.cz](mailto:info@fch.vutbr.cz), <http://www.fch.vutbr.cz>

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**PREFACE**

Dear participants of the Chemistry and Life 2008 conference,

like three years ago, this year a special issue of the *Chemické listy* Journal with contributions presented at this 4th successive conference Chemistry and Life has been delivered to you again. Unlike the previous conference contributions, this year's ones have been published electronically on a CD, which might be appreciated by many of you, dear participants.

Since 1999 the conference Chemistry and Life has regularly been organized by Faculty of Chemistry of Brno University of Technology (BUT). It has become one of the most significant items in the field of science and research activities implemented by the faculty. Specialists have shown increasing interest in the conference and the present Organizing Committee has received almost 300 contributions that will be presented in 7 sessions. Besides the traditional

attendance of Czech and Slovak chemists we also appreciate increasing number of contributing scientists and researchers from abroad.

Fruitful cooperation with industry enables implementation of the conference in broad extent designed by the organizers. The conference committees are pleased to offer accompanying social programme that might contribute to successful course of the conference.

Dear participants of the 4th Chemistry and Life conference, on behalf of both the Organizing and Scientific Committees I feel honoured to welcome you to the grounds of Faculty of Chemistry of BUT. At the same time let me express the hope that the conference outcomes will contribute to development of knowledge in various branches of chemistry.

Assoc. Prof. Jaromír Havlica, Ph.D.  
Dean of Faculty of Chemistry of BUT Brno  
Chairman of the Scientific Committee of the Chemistry and Life 2008 conference

**Explanatory note:**

The contributions published in this journal supplement are numbered in accord with accepted abstracts. Based on the requests of some authors several full text contributions were not published in the journal even if they were presented in the form of either conference posters or lectures. Abstracts of all the conference contributions were published in the Book of Abstracts of the 4th Chemistry and Life 2008 conference that is available at the [www.fch.vutbr.cz/chl\\_2008](http://www.fch.vutbr.cz/chl_2008) website.