



# First Call for Papers



**Faculty of Natural Sciences, University of SS. Cyril and Methodius in Trnava**

in cooperation with

**Faculty of Environment  
University of Jan Evangelista Purkyně in Ústí nad Labem, Czech Republic,**

**Faculty of Chemistry  
Nicolaus Copernicus University in Toruń, Poland**

and

**Faculty of Agricultural and Food Sciences in Mosonmagyaróvár  
University of West Hungary in Sopron, Hungary**

with a grant support of

**Visegrad Fund**

organise

**the 5<sup>th</sup> International Conference  
Applied Natural Sciences 2015  
Perspectives in V4 Countries**

**in key symposiums:**

- Chemistry and Applied Chemistry
- Applied Biology and Biotechnology

**and symposiums:**

- Applied Informatics
- Pedagogy, Humanities and Foreign Languages in Natural and Technical Sciences

**30<sup>th</sup> September – 2<sup>nd</sup> October 2015  
Jasná, Low Tatras, Slovak Republic**

For detailed information visit <http://ans2015.ucm.sk>

## Preliminary programme

30 Sep 2015	11:00 - 18:00 Registration of participants (Hotel Družba, Jasná, Low Tatras) 14:00 - 18:00 Opening ceremony and poster section I 19:00 Welcome meeting
1 Oct 2015	9:00 - 12:00 Plenary lectures, lectures in symposiums 12:00 - 13:30 Lunch time 14:00 - 18:00 Lectures in symposiums and poster section II 19:00 Dinner and social evening
2 Oct 2015	9:30 - 12:00 Lectures in symposiums 13:00 Closing of symposiums

## Symposiums

### Chemistry and Applied Chemistry

Symposium includes all branches of pure chemistry, like analytical, inorganic, physical and organic chemistry and intermediate/interdisciplinary fields such as chemometry, electrochemistry, magnetochemistry, photochemistry, biochemistry, medicinal and pharmaceutical chemistry, as well as chemistry applied to material science and health. Special session will be devoted to (bio)remediation of contaminated environments. The topics include: speciation modelling of toxic elements in soil-plant systems; transport and transformation of toxic and radioactive pollutants in the environment; water- and atmospheric analysis; land-, solids- and waste analysis; nuclear- and electro-analytical methods, environmental monitoring.

### Applied Biology and Biotechnology

Since 2007, the traditional topics include methods of biological and biochemical analysis, biological active substances of microorganisms and plants, biochemistry and enzymology, molecular biology and genetics, classic and modern biotechnology (recombinant DNA technology), genetic modification of microorganisms and plants, as well as genomic, proteomic and bioinformatics. Special session will be devoted to biomedical research (screening models /antioxidants, antimicrobial screening).

### Applied Informatics

The symposium is aimed at theoretical and applied research in the fields of applied and theoretical informatics, distributed and parallel computing, computer processing of languages, information and communication systems, internet and multimedia, database systems, software design and object-oriented programming, education and other fields of applied informatics.

### Pedagogy, Humanities and Foreign Languages in Natural and Technical Sciences

The symposium is focussed on up-to-date issues in education, subject-field didactics, and methodology in teaching natural and technical sciences. It introduces pedagogy, humanities and foreign languages from the point of view of subjects applied towards natural and technical sciences. It covers their multidisciplinary and interdisciplinary aspects. The section deals with lifelong learning, e-learning, effectiveness of teaching, the use of ICT, English for Specific Purposes and some philosophical visions and ways of development of natural sciences and technology in the 21st century.

## Scientific Committee

Peter Baran, Juniata College, Huntingdon, USA  
Roman Boča, University of SS. Cyril and Methodius in Trnava, Slovak Republic  
Boguslaw Buszewski, Nicolaus Copernicus University, Torun, Poland  
Stanislav Hostin, University of SS. Cyril and Methodius in Trnava, Slovak Republic  
Pavel Janoš, University of J.E. Purkyně, Ústí nad Labem, Czech Republic  
Ján Kraic, Plant Production Research Centre, Piešťany, Slovak Republic  
Vladimír Kvasnička, University of SS. Cyril and Methodius in Trnava, Slovak Republic  
Jozef Lehotay, University of SS. Cyril and Methodius in Trnava, Slovak Republic  
Juraj Lesný, University of SS. Cyril and Methodius in Trnava, Slovak Republic

Wolfgang Linert, Vienna University of Technology, Vienna, Austria  
Stanislav Miertuš, University of SS. Cyril and Methodius in Trnava, Slovak Republic  
Anna Preťová, University of SS. Cyril and Methodius in Trnava, Slovak Republic  
Franz Renz, Leibniz University Hannover, Germany  
Rezso Schmidt, University of West Hungary, Sopron, Hungary  
Lukáš Sekanina, Brno University of Technology, Czech Republic  
Pierfausto Seneci, Università degli Studi di Milano, Italy  
Milan Slavík, Czech University of Life Sciences, Prague, Czech Republic  
Jozef Timko, University of SS. Cyril and Methodius in Trnava, Slovak Republic

## Organizing committee

Martin Pipíška  
Miroslav Horník  
Juraj Miština  
Peter Nemeček  
Cyril Rajnák  
Miroslav Ondrejovič  
Ladislav Huraj

Eva Ťurčiová  
Miroslav Beňo  
Andrea Vadkertiiová  
Michaela Valovčiaková  
Dagmar Pajtinková  
Ivana Pšenáková  
Magdaléna Mečiarová

## “All inclusive” Conference Fee: € 200

The conference fee will be **all-inclusive**. It will cover:

- **accommodation in a 4\* hotel (Hotel Družba, Jasná, Low Tatras),**
- **all meals including conference dinner, coffee breaks and refreshment during poster sessions**
- **book of abstracts, conference proceedings and access to the scientific sessions.**

The registration will be restricted to 200 regular participants. The organizers reserve the right to select participants if the conference is overbooked.

### To be sent to:

Bank account No: 7000071900/8180  
Bank: Štátna pokladnica  
Bank account owner: Univerzita sv. Cyrila a Metoda v Trnave  
IBAN: SK 878180000007000071900  
Swift code: SPSRSKBA  
Variable symbol: 30092015  
Message for a recipient: Participant's name  
Address: University of SS. Cyril and Methodius  
Nám. J. Herdu 2  
917 01 Trnava  
Slovak Republic  
E-mail: [tajomnik.fpv@ucm.sk](mailto:tajomnik.fpv@ucm.sk)  
Tel. No: +421 33 55 65 323

Please note that the receipts of payment have to be submitted at the Conference registration desk.

## Venue

Hotel Družba, Jasná, Low Tatras

With its location in Slovakia No.1 destination *Jasná* below *Mt. Chopok*, a unique hotel atmosphere, a wide range of services, an interior furnished with noble decor, and the magic of the Tatra wilderness, your visit will be an unforgettable experience. Lodging with the Hotel is appreciated by guests with an aesthetic sense and relationship to gastronomy, who prefer pools with spring water and a stay in the pure mountain air to overcrowded waterparks.

More info: <http://www.druzbahotel.sk/en>

## Accommodation

Accommodation for the participants of the Conference has been booked at different categories in single and double bedrooms. More info: [www.ans2015.ucm.sk](http://www.ans2015.ucm.sk)

## Registration and abstract submission (online)

**Deadline for registration and abstract submission: June 15, 2015**

Registration is conditional upon the submission of abstracts (in registration form). Please, prepare your abstract according to the abstract template.

**Notification of abstract acceptance before June 30, 2015**

## Select publication options:

### Proceedings

All submitted manuscripts will be published in the Conference Proceedings CD-ROM). Each paper is limited to 5 pages. Please follow the manuscript template.

**Deadline for manuscript submission: August 15, 2015**

or

### Journals

Conference participants are invited to submit full research articles within the scope of the Conference to be published in the journals:

- **Chemical Papers (IF 1,096)**
- **Nova Biotechnologica et Chimica (SCOPUS, Agricola, FSTA)**
- **Biologia (IF 0,696)**
- **Journal of Applied Mathematics, Statistics and Informatics (Inspec)**

The manuscripts should be prepared according to journal's instructions and guidelines. Submitted manuscripts **will undergo regular peer review process** in order to meet high publication quality standards of the journals. If these standards are not met, manuscripts will be rejected. There will be **no page charges in *Nova Biotechnologica et Chimica*, and *Journal of Applied Mathematics, Statistics and Informatics***, but colour pictures will be charged to the authors. Authors of accepted papers will pay 200,- Euros per paper in *Chemical Papers*, and 40,- Euros per paper in *Biologia*.

**The submission deadline is August 15, 2015**

1. Biologia  
<http://www.springer.com/life+sciences/journal/11756>
2. Chemical Papers  
<http://www.springer.com/chemistry/journal/11696>
3. Nova Biotechnologica et Chimica  
<http://versita.com/nbc/>
4. Journal of Applied Mathematics, Statistics and Informatics  
<http://versita.com/jamsi/>

The "Pedagogy, Humanities and Foreign Languages in Natural and Technical Sciences" symposium participants have an option to publish the results of research projects in peer-reviewed **Book of Research Papers** (minimum one author's sheet)

### Corresponding address:

[ans@ucm.sk](mailto:ans@ucm.sk)

### Conference Language

English

### Language of Abstracts, Manuscripts and Posters

English

### Type of Presentation

Oral, Poster