



# Eleventh National Conference on Chemistry

## Chemistry Education for Public Understanding of Science

49th National Chemistry Teachers Conference

University of Chemical Technology and Metallurgy  
23–25 June 2022, Sofia, Bulgaria



100th Anniversary of the journal *Khimiya i Industriya*  
(Химия и индустрия)

# *Circular*



Principal organizers  
**Union of Chemists in Bulgaria**



**Federation of the Scientific  
Engineering Unions in Bulgaria**

<http://11ncc.unionchem.org>

## INVITATION

Governing board members of the Union of Chemists in Bulgaria extend a cordial invitation to all scientists, lecturers, teachers, and students in the field of chemistry to participate in the Eleventh National Conference on Chemistry to be held at University of Chemical Technology and Metallurgy, Sofia (Bulgaria), from 23rd to 25th June 2022. This event involves 49th National Chemistry Teachers Conference and is dedicated to the 100th anniversary of the journal Khimiya i Industriya (Химия и индустрия).

## ORGANIZATION

### Institutions

Union of Chemists in Bulgaria, Federation of the Scientific Engineering Unions in Bulgaria, Union of Scientists in Bulgaria, Bulgarian Academy of Sciences, St. Kliment Ohridski University of Sofia, University of Chemical Technology and Metallurgy, Sofia, Paisiy Hilendarski University of Plovdiv, Prof. Dr. Asen Zlatarov University of Burgas, Konstantin Preslavski University of Shumen, Neofit Rilski Southwest University of Blagoevgrad, University of Food Technologies, Plovdiv, Agrarian University, Plovdiv.

### Honorary Committee

N. Denkov, K. Hadjiivanov, I. G. Ivanov, I. Juchnovski, Ch. Tsvetanov

### Scientific Committee

**Chair:** D. L. Tsalev

**Members:** Ch. Balarew, V. Bankova, M. Bogdanov, E. Boiadjieva, M. Bojinov, V. Bojinov, V. Dimitrov, N. Dishovski, G. Kadinov, D. Kashchiev, M. Kirova, S. Nenkova, L. Petrov, I. Pojarlieff, I. Rashkov, E. Slavcheva, T. Spassov, S. Stoilov, R. Stoyanova, A. Tafrova-Grigorova, S. Terzieva-Zhelyazkova, B. Toshev, I. Valchev, E. Vasileva, E. Zhecheva

### Organizing Committee

**Chair:** V. Beschkov

**Scientific Secretaries:** Ch. Bonev, I. Havezov

**Secretaries:** A. Kamusheva, V. Neychev

### Conference Organizer



Company for International Meetings Ltd. (<http://www.cim.bg>)

## LANGUAGE

Official languages of the conference are Bulgarian and English.



## SYMPOSIUM TITLES AND CHAIRS

- |  |                                    |
|--|------------------------------------|
| 1. Physical chemistry and electrochemistry           | M. Bojinov                         |
| 2. Organic chemistry and pharmacy                    | V. Dimitrov                        |
| 3. Inorganic chemistry and technology                | R. Stoyanova, E. Zhecheva          |
| 4. Analytical chemistry                              | D. Tsalev                          |
| 5. Catalysis   | G. Kadinov                         |
| 6. Chemical engineering and environmental protection | V. Beschkov                        |
| 7. Biobased and synthetic polymers and bioproducts   | N. Dishovski, S. Nenkova           |
| 8. Chemistry education                               | A. Tafrova-Grigorova,<br>M. Kirova |

## GENERAL SCOPE

The Eleventh National Conference on Chemistry is organized under the motto 'Chemistry Education for Public Understanding of Science'. The main objective of the conference is to discuss research and innovation in all fields of chemistry related to smart, sustainable, and inclusive growth, with emphasis on the latest developments in chemistry and relation to health, clean energy, and environment. Multidisciplinary topics concerned with theoretical chemistry, chemical engineering, physics, earth and life sciences will be strongly encouraged. High-level scientific contributions including basic research and industrial applications will be particularly appreciated. Innovations in the chemicals sector will be supported that lead to the development of advanced materials (such as hybrid and lightweight materials, materials for tissue engineering, self-cleaning surfaces, and energy recovery and storage), and advanced process technologies that enable more flexible production with more efficient use of energy, feedstock, and water. Contributions to improved recycling and increased use of renewable feedstock will also be considered. Special emphasis is given to chemistry education related to science for economic and social prosperity.

Papers on the following topics are invited: agrochemistry – fertilisers and pesticides; analytical chemistry; catalysis; ceramics and silicate chemistry; chemical engineering; chemistry education: inquiry-based learning, scientific literacy; computational chemistry and molecular modelling; electrochemistry; environmental protection; food chemistry, green energy, inorganic chemistry; natural products; nanomaterials; new materials; organic chemistry; organometallics chemistry; polymer chemistry and technology; petrochemistry; pharmaceuticals; physical chemistry; pulp and paper technology; radiochemistry; solid state chemistry; textile and leather chemistry.

## SCIENTIFIC PROGRAMME

The programme of the conference will consist of invited lectures (40 min), keynote lectures (30 min), oral presentations (15 min), and posters. Flash oral presentations (5 min) of students' posters are optional. Keynote lectures and oral presentations will be organized in parallel sessions. Posters will be presented within 2-h poster sessions. Poster boards of w70×h90-cm size will be available.

Online sessions are foreseen in case of worsening pandemic situation.

## CONTRIBUTIONS

Selection of oral and poster presentations will be based on half-page (A4) abstracts. New methods, approaches, and applications will be encouraged. Contributions should comply with the scope of the conference. Submissions should be made online using the registration form available on the website: <http://11ncc.unionchem.org>. The reviewing process will be carried out online *via* the internet. After evaluation of the contributions, the programme will be made available on conference website. By request of the authors, selected full-text papers of conference contributions will be published in a special issue of the journal Bulgarian Chemical Communications (<http://bcc.bas.bg>) and in the journal Natural Science and Advanced Technology Education (<https://science.azbuki.bg>).

## BOOK OF ABSTRACTS

A book of abstracts and a printed programme will be handed out to the participants upon registration at the conference site.

## REGISTRATION FEE AND PAYMENT

A conference ticket for participants includes attendance, welcome reception drink, book of abstracts and conference programme, coffee, and refreshments (BGN):

early payment	170
payment after 25th May 2022	200

Payments by bank transfer to the following account are acceptable:

Bank name and mailing address: UniCredit Bulbank, 7 Sveta Nedelia Sq., 1000 Sofia, Bulgaria

Attention: Union of Chemists in Bulgaria

IBAN: BG68UNCR96601018407500

BIC: UNCRBGSF

Please, mention names and registration code in the following way: first name, last name, registration code (ID: username).

## VENUE



Conference sessions will be held at University of Chemical Technology and Metallurgy, 8 St. K. Ohridski Blvd., 1756 Sofia, Bulgaria. Please visit the site at <https://uctm.edu/bg/>.

## ACCOMMODATION

A very wide range of accommodation will be available. Please, contact conference organizer on the website of the event: <http://11ncc.unionchem.org>.

## KEY DATES

15th May 2022	Submission of abstracts
25th May 2022	Early payment
5th June 2022	Final programme on the website
23rd June 2022	Welcome to 11NCC

## CONTACTS

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## INSTRUCTIONS FOR PREPARATION OF ABSTRACTS

Use Microsoft Word 2007-2010-2013 to prepare manuscripts. Half-page abstracts in English of A4 paper size (25 lines) with single spacing will only be considered. Use a Times New Roman font and margins of 2.5 cm from left and right. Title should be a 12-pt bold font. Author(s) names should be typed by a 10-pt regular font. The name of the presenting author should be underlined. Affiliation(s) should be 10-pt italic. Add a fax number and e-mail address of presenting author on a separate line (10 pt, italic). Leave one empty line (12 pt) after title, one line (10 pt) after author(s) names and two lines (10 pt) after affiliation(s). Authors should also use a 10-pt regular font for body text. Tables and figures will not be accepted. Files should be saved as doc or docx format.