



*Society of Physical Chemists of Serbia*  
*Second Circular*

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# PHYSICAL CHEMISTRY 2021

*15<sup>th</sup> International Conference on  
Fundamental and Applied Aspects of  
Physical Chemistry*

# PC2021

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*The Conference is dedicated to the*

*30<sup>th</sup> Anniversary of the founding of the Society of Physical Chemists of Serbia*

*and*

*100<sup>th</sup> Anniversary of Bray-Liebafsky reaction*

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*Virtual Meeting  
20-24<sup>th</sup> September 2021*



# PHYSICAL CHEMISTRY 2021

## *15<sup>th</sup> International Conference on Fundamental and Applied Aspects of Physical Chemistry*

As you already know, *15<sup>th</sup> International Conference on Fundamental and Applied Aspects of Physical Chemistry* or *Physical Chemistry 2020* was not organized as planned in September 21-25. We hoped that efforts performed in rapid vaccine development will enable safe participation in *Physical Chemistry 2021*. However, time is passing on and we cannot predict if this will be true in due time. Travel restrictions are still very much limiting on our plans, and we decided to act responsibly and go to an **on-line option**. All necessary instructions for the participants of our on-line event will be available at the Conference site in due time.

[Physical Chemistry 2021](#)

*All registrations, paper submissions and registration fees submitted for **Physical Chemistry 2020** will be fully valid for **Physical Chemistry 2021**.*

*Presidency of the Society of Physical Chemist of Serbia*



# PHYSICAL CHEMISTRY 2021

## 15th International Conference on Fundamental and Applied Aspects of Physical Chemistry

Organized by

*The Society of Physical Chemists of Serbia (SPCS)*



*in co-operation with*

*Institute of Catalysis, Bulgarian Academy of Sciences*



*Boreskov Institute of Catalysis, Siberian Branch of Russian Academy of Sciences*



*and*

*Members of the University of Belgrade:*



*Faculty of Physical Chemistry*



*Institute of Chemistry, Technology and Metallurgy*



*VINČA Institute of Nuclear Sciences*



*Faculty of Pharmacy*



*and*

*Institute of General and Physical Chemistry, Belgrade*





# PHYSICAL CHEMISTRY 2021

## Aim of the Conference

The 15<sup>th</sup> International Conference on Fundamental and Applied Aspects of Physical Chemistry "PHYSICAL CHEMISTRY 2021" is organized to bring together scientists from the domains of Physical Chemistry in order to exchange their recent experience and achievements, and to improve scientific co-operation.

The Organizing Committee has the pleasure of inviting you to participate at PHYSICAL CHEMISTRY 2021.

## Language

The official language of the conference will be English.

## Topics

- A Chemical Thermodynamics
- B Spectroscopy, Molecular Structure, Physical Chemistry of Plasma
- C Kinetics, Catalysis
- D Nonlinear Dynamics, Oscillatory Reactions, Chaos
- E Electrochemistry
- F Biophysical Chemistry, EPR Investigations of Bio-systems
- G Organic Physical Chemistry
- H Material Science
- I Physical Chemistry of Condensed Phases, Solid State and Fluids
- J Macromolecular Physical Chemistry
- K Environmental Protection, Forensic Sciences, Geophysical Chemistry, Radiochemistry, Nuclear Chemistry
- L Phase Boundaries, Colloids, Liquid Crystals, Surface-Active Substances
- M Complex Compounds
- N General Physical Chemistry
- O Pharmaceutical Physical Chemistry
- P Education, History
- Q Food Physical Chemistry
- R Physico-Chemical Analysis
- S Photochemistry, Radiation Chemistry, Photonics
- T Free Topic

## Contributed papers

The papers will be divided into oral presentation and posters. The Scientific Committee retains the option of deciding on the presentation form, based on the number/type of contribution, but will try to take into account the author's expressed preference.

## Publication

**All contributed papers accepted for the Conference, will be published in the *Conference Proceedings*, which will be distributed to participants only in electronic form, one month after the Conference. Abstracts will also be distributed in electronic form only, but freely available before the Conference start.** The plan is that the Scientific Committee will invite the Authors of selected papers to prepare original manuscripts for the publication in *the Russian Journal of Physical Chemistry A* and *Reaction Kinetics, Mechanisms and Catalysis* as regular articles, in accordance with journal practice



# PHYSICAL CHEMISTRY 2021

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## International Organizing Committee

- Chairman:** S. Anić (Serbia)  
**Vice-chairman:** M. Gabrovska (Bulgaria)  
A. A. Vedyagin (Russia)  
S. N. Blagojević (Serbia)  
**Members:** N. Cvjetičanin (Serbia), S. M. Blagojević (Serbia), M. Daković (Serbia), J. Dimitrić-Marković (Serbia), T. Grozdić (Serbia), Lj. Ignjatović (Serbia), D. Jovanović (Serbia), M. Kuzmanović (Serbia), D. Marković (Serbia), B. Milosavljević (USA), M. Mojović (Serbia), N. Pejić (Serbia), M. Petković (Serbia), A. Popović-Bjelić (Serbia), B. Simonović (Serbia), M. Stanković (Serbia), B. Šljukić (Serbia), G. Tasić (Serbia), S. Veličković (Serbia), N. Vukelić (Serbia),

## International Scientific Committee

- Chairman:** Ž. Čupić (Serbia)  
**Vice-chairman:** V. Bukhtiyarov (Russia)  
S. Todorova (Bulgaria)  
B. Adnađević (Serbia)  
**Members:** S. Anić (Serbia), A. Antić-Jovanović (Serbia), A. Azizoğlu (Turkey), R. Cervellati (Italy), G. Ćirić-Marjanović (Serbia), V. Dondur (Serbia), I. I. Grinvald (Russia), R. Jerala (Slovenia), M. Jeremić (Serbia), G. N. Kaluđerović (Germany), E. Kiš (Serbia), A.V. Knyazev (Russia), Lj. Kolar-Anić (Serbia), U. Kortz (Germany), T. Kowalska (Poljska), A. Lemarchand (France), G. Lente (Hungary), Z. Marković (Serbia), S. Mentus (Serbia), K. Novaković (UK), N. Ostrovski (Serbia), V. Parmon (Russia), Z. Petkova Cherkezova-Zheleva (Bulgary), M. Plavšić (Serbia), J. Savović (Serbia), G. Schmitz (Belgium), I. Schreiber (Czech), L. Schreiberova (Czech), D. Stanisavljev (Serbia), N. Stepanov (Russia), M. Stojanović (USA), E. Szabó (Slovakia), Zs. Szakacs (Romania), Z. Šaponjić (Serbia), Á. Tóth (Hungary), M. Trtica (Serbia), V. Vasić (Serbia), D. Veselinović (Serbia), V. Vukojević (Sweden)

## Local Executive Committee

- Chairman:** S. N. Blagojević  
**Vice-chairman:** A. Ivanović-Šašić  
N. Jović-Jovičić  
A. Stanojević  
**Members:** M. Ajduković, I. N. Bujanja, A. Dobrota, J. Dostanić, D. Dimić, S. Jovanović, Z. Jovanović, D. Lončarević, M. Kragović, J. Krstić, B. Marković, S. Maćešić, J. Maksimović, S. Marinović, D. Milenković, T. Mudrinić, M. Pagnacco, N. Potkonjak, B. Stanković, I. Stefanović, A. Stojković, M. Vasić



# PHYSICAL CHEMISTRY 2021

## Paper preparation

The authors are kindly asked to respect the all proposition of the paper. Otherwise, the paper will be immediately returned for technical revision before sending to reviewer. The proposition includes strict four-page limit for the regular papers and 8 pages limit for the invited papers (including abstract, introduction, results and discussion, and conclusion) in A4 format singly spaced. **Margins of 3 cm on the top and bottom should be left and 2 cm on both right and left of the text.** The paragraphs should be indented 5 mm, except the first one in each heading. The title should be centered at the first page of the manuscript and written in font 14 (Times New Roman) and in bold capital letters. The rest of the text should be in 12- point fonts (Times New Roman) justified. The author's names should be given as initials followed by surname: P. Petrović, I. N. Bujanja, C. B. Delgado, J. P. Hsu. Name of the corresponding author should be underlined and his/her e-mail address should be given with other affiliation details. The author's address (with indication of the corresponding University, where it is appropriate) should be given in italics. The title and names of authors should be followed by the abstract of the paper. The section titles of the paper should be typed in 12-point bold capital letters. References to the literature within text should be placed in square brackets: [1], [2], ..., and cited at the end of the text.

Illustration (tables, figures, photographs, etc.) must be inserted into the text as a picture with at least 300 dpi and no larger than 12.5cm width and 18cm height including the caption (please allow 12 pts for each line of caption text). Tables must stay within text margins, too. Table caption and number should be given above each table, centered. Figure captions should be given at the bottom of each figure. The style of table and figure captions should be identical. Figure lettering should be done in a character not smaller than 12 pt. in final version of figure.

Submission of paper to our Conference assumes that all coauthors are informed and that these results are not submitted or published in any other Conference or scientific journal in the same form. It is full responsibility of the corresponding author.

The papers should be submitted by e-mail ([paper15@socphyschemserb.org](mailto:paper15@socphyschemserb.org)) before **May 31, 2021**. The papers received after that deadline cannot be guaranteed the publication in the Conference Proceedings. The authors are limited to no more than three regular contributions and one invited lecture. Invited lectures will be printed in full-length (eight pages maximum).

**Participants from Serbia are kindly recommended to include one line of the Acknowledgement.**

File title should be based on the surname of the first author, and if you submit more than one paper with the same first author, than add some ordinal number, next, add preferred type of presentation (poster or oral) and finally a letter identifying one preferred section (eg. Petrovic\_3\_oral\_J.doc).

## Duration of presentation

Plenary lectures: 30 minutes

Section lectures: 20 minutes with discussion

Oral presentation: 10 minutes with discussion

Posters: Posters will be placed on during the whole conference. Short, presentations, (5 min per poster at maximum) should be prepared. Instructions with description of the final form of poster sections will be distributed later on.

## Correspondence

For Registration: [registration15@socphyschemserb.org](mailto:registration15@socphyschemserb.org)

For Paper: [paper15@socphyschemserb.org](mailto:paper15@socphyschemserb.org)

For Information: [information@socphyschemserb.org](mailto:information@socphyschemserb.org)

**Deadline for Submission of papers for Proceedings: May 31. 2021**



# PHYSICAL CHEMISTRY 2021

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## Registration

Registration will be possible only on-line.

## Conference Events

On-line stream from the library of the Institute of General and Physical Chemistry, Belgrade

Tentative program (*Final program will be available in August*)

### Monday

20 September

**Opening Ceremony and Plenary Lectures**  
(Starting from around 09:30)

### Tuesday

21 September

**Plenary Lectures, Section Lectures,  
Oral and poster Presentations**

### Wednesday

22 September

**Plenary Lectures, Section Lectures,  
Oral and poster Presentations**

### Thursday

23 September

**Plenary Lectures, Section Lectures,  
Oral and poster Presentations**

### Friday

24 September

**Plenary Lectures, Section Lectures,  
Oral and poster Presentations  
Closing Session (at about 17:00)**

## Tentative List of Invited Lecturers:

Adamatzky Andrew  
Ashkenasy Gonen  
Barragan Daniel Alberto Ramirez  
Dietrich Johannes  
Drakulić Dunja  
Faria Roberto  
Ganaie Nadeem  
Gentili Pier Luigi  
Goldbeter Albert  
Jerala Roman  
Kaluderović Goran N.  
Kirin Srećko  
Kortz Ulrich  
Kowalska Tereza  
Maselko Jerzy  
Mau Jochen  
Mladenović Mirjana

Morozova-Roche Ludmilla  
Muzika Frantisek  
Novakovic Katarina  
Orlik Marek  
Ostrovski Nikolaj  
Perez-Mercader Juan  
Petkova Cherkezova-Zheleva Zara  
Schmitz Guy  
Schreiber Igor  
Stojanović Milan  
Thomas Mark  
Toth Agota  
Varela Hamilton  
Vedyagin Aleksey  
Yablonsky Gregory  
Zarić Snežana

*(List is not exhaustive)*



# PHYSICAL CHEMISTRY 2021

## Financial Support or Registration Fee to Conference

**Financial support** of Conference organization would ensure free registration for a limited number of participants. For Institutional or other kinds of donor support, please consult the Organizing Committee: [information@socphyschemserb.org](mailto:information@socphyschemserb.org)

## Registration fee or Financial Support

**For all Conference Participants 90 EUR**

Participants who already payed may use one of two options:

- Request the refund of the difference
- Accept to use the opportunity of diminished registration fee for our next Conference, Physical Chemistry 2022, planed for September 26-30. 2022.

### 1.Domestic participants should use the following payment instruction:

The amount of local currency payments is calculated according to the daily exchange rate of EUR on the day of payment. For the pro-forma invoice please send request to the Organizing Committee at: [information@socphyschemserb.org](mailto:information@socphyschemserb.org)

**Purpose of payment:** Registration fee of the Conference

**Beneficiary Customer:** DRUŠTVO FIZIKOHEMIČARA SRBIJE, Studentski trg 12-16,  
11000 Beograd, Serbia

**Account of the Society:** 200-2712770101033-69

### 2.Foreign participants should use the following payment instructions:

**Intermediary Bank:**

Name: DEUTSCHE BANK AG  
Address: Frankfurt am MAIN  
SWIFT code: DEUTDEFF

**Beneficiarys Bank:**

EUR  
Name: BANKA POŠTANSKA ŠTEDIONICA AD  
Address: 11000 Beograd, Serbia  
SWIFT code: SBPORSBG

**Beneficiary Customer:**

IBAN number: RS35200271277010100362  
Name: DRUŠTVO FIZIKOHEMIČARA SRBIJE  
Address: Studenski trg 12-16, 11000 Beograd, Serbia

### Remark for all Conference Participants:

**The Conference Organizer does not recognize Banking Services.**





# PHYSICAL CHEMISTRY 2021

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*Dear colleagues*  
*Welcome to our Virtual Meeting*