

FIRST CIRCULAR AND CALL FOR PAPERS

SANDANSKI'2023

2ND SYMPOSIUM

ON

**CHALLENGES IN CHEMICAL AND BIOCHEMICAL
TECHNOLOGIES AND ENVIRONMENTAL PROTECTION**

AND

18TH WORKSHOP

ON

TRANSPORT PHENOMENA IN TWO-PHASE FLOW

September 10 - 13, 2023

SANDANSKI, BULGARIA



**FIRST CIRCULAR
AND
CALL FOR PAPERS**



ORGANIZERS:

**BULGARIAN ACADEMY OF SCIENCES
INSTITUTE OF CHEMICAL ENGINEERING
SOFIA**

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Prof. Dr. D. Dzhonova-Atanasova

Assoc. Prof. Dr. P. Popova-Krumova

with the support of the **National Research Fund project No KII-06-H37/11/ 06.12.2019**

“Integrated absorption-adsorption process for waste free decontamination of gases
from sulfur dioxide”.



Ministry of Education and Science of Bulgaria

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ORGANIZING COMMITTEE

Assoc. Prof. Dr. E. Razkazova-Velkova

Prof. Dr. D. Dzhonova-Atanasova

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SCIENTIFIC TOPICS

Modeling and simulation of industrial heat and mass transfer processes.

- 1. Chemical processes.**
- 2. Bioprocesses**
- 3. Separation technologies**
- 4. Absorption processes.**
- 5. Adsorption processes.**
- 6. Chemical and Biocatalysis.**
- 7. Environmental Protection,**
- 8. Green Technologies, Energy Resources and Energy Efficiency**
- 9. Fundamental transport phenomena theory and applications.**
- 10. Two-phase and multi-phase flows and heat transfer; Heat transfer enhancement.**

The authors will be able to publish in **Bulgaria Chemical Communications**.

Authors wishing to contribute are requested to submit the text of papers *before October 30th, 2023*.

The papers should be up to 15 pages long and should include: title, authors, affiliation and full mailing address, text, tables and figures (see **Instructions about Preparation of Manuscripts**).

FIRST CIRCULAR AND CALL FOR PAPERS

Languages: The working language will be English.

Participation- Important dates

Deadlines

Abstract submission deadline	June 20th, 2023
Successful abstract authors notified	June 30th, 2023
Fee payment deadline	Free
Workshop begins	September 10, 2023

Any additional information will be available by E-mail or Fax only for persons who have sent reply cards in the pointed term.

The **participation fee is FREE**.

The oral and the poster contributions have to be as a PowerPoint presentation, taking into consideration the following specifications:

Maximum duration: 20 minutes for an oral, 6 minutes for a poster presentation;

Preliminary Registration

Write a short **Abstract** (up to 250 words) not exceeding 1 page and send together with the **REPLY CARD** arranged at the end of this file.

Please indicate the suggested topic of your presentation (in the top left corner)

Save them as separate word file (deleting all other information) and name as

Your name-Reply Card.doc

and

Your name –Abstract.doc

Send it as soon as possible to petvabs@yahoo.com, stela.panyovska@iche.bas.bg

ACCOMODATION

2ND SYMPOSIUM on Challenges in Chemical and Biochemical Technologies and Environmental Protection AND 18TH WORKSHOP on Transport Phenomena in Two-Phase Flow will be performed in “Pirin Park hotel”, Sandanski, Bulgaria. <https://parkhotelpirin.com/en>

Ношувка в двойна стая Лукс (закуска + вечеря) – 252лв;

Ношувка в единична стая Лукс (закуска + вечеря) – 176лв.



Instructions about Preparation of Manuscripts

General remarks: Manuscripts are submitted in English by e-mail or by mail (in duplicate). The text must be typed double-spaced, on A4 format paper using Times New Roman font size 12, normal character spacing. The manuscript should not exceed 15 pages (about 3500 words), including photographs, tables, drawings, formulae, etc. Authors are requested to use margins of 3 cm on all sides. For mail submission hard copies, made by a clearly legible duplication process, are requested. Manuscripts should be subdivided into labelled sections, e.g. **Introduction, Experimental, Results and Discussion**, etc.

The title page comprises headline, author's names and affiliations, abstract and key words.

Attention is drawn to the following:

a) **The title** of the manuscript should reflect concisely the purpose and findings of the work. Abbreviations, symbols, chemical formulas, references and footnotes should be avoided. If indispensable, abbreviations and formulas should be given in parentheses immediately after the respective full form.

b) **The author's** first and middle name initials, and family name in full should be given, followed by the address (or addresses) of the contributing laboratory (laboratories). **The affiliation** of the author(s) should be listed in detail (no abbreviations!). The author to whom correspondence and/or inquiries should be sent should be indicated by asterisk (*).

The abstract should be self-explanatory and intelligible without any references to the text and containing not more than 250 words. It should be followed by key words (not more than six).

References should be numbered sequentially in the order, in which they are cited in the text. The numbers in the text should be enclosed in brackets [2], [5, 6], [9–12], etc., set on the text line. References, typed with double spacing, are to be listed in numerical order on a separate sheet. All references are to be given in Latin letters. The names of the authors are given without inversion. Titles of journals must be abbreviated according to Chemical Abstracts and given in italics, the volume is typed in bold, the initial page is given and the year in parentheses. Attention is drawn to the following conventions:

a) The names of all authors of a certain publications should be given. The use of "et al." in the list of references is not acceptable.

b) Only the initials of the first and middle names should be given.

In the manuscripts, the reference to author(s) of cited works should be made without giving initials, e.g. "Bush and Smith [7] pioneered...". If the reference carries the names of three or more authors it should be quoted as "Bush et al. [7]", if Bush is the first author, or as "Bush and co-workers [7]", if Bush is the senior author.

Footnotes should be reduced to a minimum. Each footnote should be typed double-spaced at the bottom of the page, on which its subject is first mentioned.

Tables are numbered with Arabic numerals on the left-hand top. Each table should be referred to in the text. Column headings should be as short as possible but they must define units unambiguously. The units are to be separated from the preceding symbols by a comma or brackets.

Note: The following format should be used when figures, equations, etc. are referred to the text (followed by the respective numbers): Fig., Eqns., Table, Scheme.

Schemes and figures. Each manuscript should contain or be accompanied by the respective illustrative material as well as by the respective figure captions in a separate file (sheet). As far as presentation of units is concerned, SI units are to be used. However, some non-SI units are also acceptable, such as °C, ml, l, etc. The authors are asked to submit **the final text** (after the manuscript has been accepted for publication) in electronic form by e-mail. The main text, list of references, tables and figure captions should be saved in separate files (as *.rtf or *.doc) with clearly identifiable file names. It is essential that the name and version of the word-processing program and the format of the text files is clearly indicated. It is recommended that the pictures are presented in *.tif, *.jpg, *.cdr or *.bmp format, the equations are written using "Equation Editor"

EXAMPLES FOR PRESENTATION OF REFERENCES

1.D. S. Newsome, *Catal. Rev.–Sci. Eng.*, 21, 275 (1980).

2.C.-H. Lin, C.-Y. Hsu, *J. Chem. Soc. Chem. Commun.*, 1479 (1992).

3.R. G. Parr, W. Yang, *Density Functional Theory of Atoms and Molecules*, Oxford Univ. Press, New York, 1989.

4.V. Ponec, G. C. Bond, *Catalysis by Metals and Alloys* (Stud. Surf. Sci. Catal., vol. 95), Elsevier, Amsterdam, 1995.

5.G. Kadinov, S. Todorova, A. Palazov, in: *New Frontiers in Catalysis* (Proc. 10th Int. Congr. Catal., Budapest, 1992), L. Guzzi, F. Solymosi, P. Tetenyi (eds.), Akademiai Kiado, Budapest, 1993, Part C, p. 2817.

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- 10.CA 127, 184 762q (1998).
- 11.P. Hou, H. Wise, J. Catal., in press.
- 12.M. Sinev, private communication.
- 13.<http://www.chemweb.com/alchem/articles/1051611477211.html>.