



ACADEMY OF SCIENCES AND ARTS  
OF THE REPUBLIC OF SRPSKA



SERBIAN ACADEMY  
OF SCIENCES AND ARTS



XVIII INTERNATIONAL SCIENTIFIC CONFERENCE

# CONTEMPORARY MATERIALS 2025

First Announcement

Banja Luka, September 11 to 12, 2025

[www.savremenimaterijali.info](http://www.savremenimaterijali.info)

## Organizers of the Scientific Conference

The Academy of Sciences and Arts of the Republic of Srpska is the organizer of the conference, with the support of Ministry for Science and Technological Development, Higher Education and Information Society. The coorganizers of the Conference are: Serbian Academy of Sciences and Arts, Alma Mater Europaea and Technical University of Gabrovo.

## Goal of the Conference

The conference will focus on comprehensive and multidisciplinary consideration of current developments in the field of contemporary materials and their application in science, technology and industry.

## Organizational Board

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Prof. Martin Chaplin, PhD (Great Britain)  
Prof. Đuro Koruga, PhD (Serbia)  
Prof. Lidija Matija, PhD (Serbia)  
Prof. Miomir Pavlović, PhD  
Prof. Pero Dugić, PhD  
Prof. Dubravka Marković, PhD

## Work of the Conference

The work of the conference will take place within four symposia, with the opening lectures and poster presentations.

### Framework thematic units

#### **SYMPOSIUM A:**

##### **Science of matter, condensed matter and physics of solid states**

- Classical, quantum and nano-approaches to the solid state of matter
- Metals and alloys
- Ceramics, composite materials and polymers
- Optical materials
- Magnetic materials
- Inorganic nanomaterials
- Methods and instruments for fluid characterization
- Colloid materials.

#### **SYMPOSIUM B:**

##### **Biomaterials and nanomedicine**

- Biopolymers
- Synthetic polymers
- Metal biomaterials
- Ceramic and glass biomaterials
- Composite biomaterials
- Nanomaterials and nanotechnology in dentistry and pharmacy
- Bionanoparticles, quantum dots in diagnostics and therapy
- Bio-nanosensors and nanomedicine.

## **SYMPOSIUM C:**

### **Water**

- Structure of water
- Biological waters and liquid crystals
- Aquaporins, extracellular and intracellular waters
- Water metabolism and disease-causing agents
- Exclusion of the zone in the water
- Water spectroscopy and aquaphotomics
- Water of nano-layers and nano-liquids
- Nanomedicine on water basis
- Other problems related to water and water systems.

## **SYMPOSIUM D:**

### **Environmental and sustainable materials**

- Environmentally friendly materials and their applications
- Biocomposites and biopolymers
- Nanomaterials and environmental protection
- Materials for renewable energy sources
- Smart materials for pollution monitoring
- Waste materials as secondary resources and circular economy
- Impact of climate change on materials and vice versa
- Other environmental issues.

### **Time and place of conference**

Scientific Conference “*Contemporary Materials 2025*” will take place from 11<sup>th</sup> to 12<sup>th</sup> September 2025 in Banja Luka, in the building of the Academy of Sciences and Arts of Republic of Srpska.

## Papers

### ***Submission of papers***

Abstracts and key words should be sent by [online submission](#) not later than on July 1, 2025, with the indication of the subject to which the paper may belong (full author names, institutions, and email address). Summary and key words, unlike the paper, should be written in both Serbian and the English language, font Times New Roman 9 points (Multilanguage support). The summary should comprise up to ten lines of written text.

Notification of preliminary acceptance of the paper will be delivered to the author/authors by July 18, 2025.

The deadline for submitting complete papers is August 22, 2025.

Only papers submitted by this date are going to be incorporated in the Programme of the Conference.

The [online submission](#) of abstracts and papers is available at the web site [www.savremenimaterijali.info](http://www.savremenimaterijali.info).

### ***Publishing of the papers***

The work program will be available at the web site of the Conference by August 29, 2025 and printed and distributed during registration of participants. Accepted papers will be published in the Journal „*Contemporary Materials*” and in the Collection of the Papers.

## **Presentations**

In agreement with the Organizational Board of the Conference, interested institutions and companies may organize presentations of their scientific-research, development and production projects and programs, equipment and products. Presentations may last up to 30 minutes.

## **Information**

Information about the conference is available by phone, at number:

051 333 700

or e-mail:

[info@savremenimaterijali.info](mailto:info@savremenimaterijali.info).

## **Conference fee**

The fee for participation in the Conference is 100 KM per paper.

The participants pay by themselves the accommodation.

The hotel "Bosna" in Banja Luka is going to have a discount for the participants of the Conference.

## **Web**

Web presentation is available at the address:

[www.savremenimaterijali.info](http://www.savremenimaterijali.info).

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