

ACADEMY OF SCIENCES AND ARTS  
OF THE REPUBLIC OF SRPSKA



**XIV INTERNATIONAL SCIENTIFIC CONFERENCE**

**CONTEMPORARY MATERIALS  
2021**

First Announcement

Banja Luka, September 09 to 10, 2021

[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.

## **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. dr Miomir Pavlović, PhD

Prof. dr Pero Dugić, PhD

Prof. dr Dubravka Marković, PhD

## **Work of the Conference**

The work of the conference will take place within three 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
- eco-materials and eco-technology.

#### **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

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

Scientific Conference “*Contemporary Materials 2021*” will take place from 9<sup>th</sup> to 10<sup>th</sup> September 2021 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, 2021, 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 15, 2021.

The deadline for submitting complete papers is August 10, 2021. 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 25, 2021 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 pays 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).