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**Proceedings of**

**Joint Webinar on**

# **Green Chemistry and Euro pharmaceuticals**

**March 13-14, 2023**

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# Scientific Program

## Webinar Day 1 Monday - March 13, 2023

10:00 - 10:30	<b>Title: pollution prevention and control</b>
	<b>Angela Allen</b> , North Carolina State University, USA
10:30 - 11:00	<b>Title: Green chemistry as an organic medicine</b>
	<b>Olha Storchylo</b> , Odessa National Medical University, Ukraine
11:00 - 11:30	<b>Title: Pomegranate seed oil nasal delivery system for improving cognition</b>
	<b>Hiba Natsheh</b> , The Hebrew University of Jerusalem., Isreal
11:30 - 12:00	<b>Title: Biosimilar combination products in EU: path to notified body opinion process under new MDR rules</b>
	<b>Fabrice Martin</b> , Fresenius Kabi SwissBioSim GmbH, Switzerland
12:00 - 12:30	<b>Title: Anti-Proliferative effect of potential LSD1/ CoREST inhibitors based on molecular dynamics model for treatment of SH-SY5Y neuroblastoma cancer cell line</b>
	<b>Hiba Zalloum</b> , The University of Jordan, Jordan
12:30 - 13:00	<b>Title: Synthesis of metal organic framework - activated carbon composites for a photocatalytic degradation of congo red dye</b>
	<b>Marija Egerić</b> , University of Belgrade, Belgrade, Serbia
13:00 - 13:30	<b>Title: Fabrication of porous anorthite ceramics using solid-wastes for thermal insulation</b>
	<b>Mia Omerasevic Bucevac</b> , University of Belgrade, Belgrade, Serbia
13:30 - 14:00	<b>Title: Investigating the adsorption of phenol onto activated carbon thin film hybrid carbon nanostructures in aqueous solutions</b>
	<b>Mahmoud F. Mubarak</b> , Egyptian Petroleum Research Institute, Egypt

## Panel Discussion

**Webinar Day 2**  
**Tuesday - March 14, 2023**

<b>10:00 - 10:30</b>	<b>Title: Biomass and biofuel contribution to fine atmospheric particulate matter (PM<sub>2.5</sub>)</b> <b>Mirjana Radenkovic</b> , University of Belgrade, Belgrade, Serbia
<b>10:30 - 11:00</b>	<b>Title: Synthesis and characterization of SiO<sub>2</sub> obtained from TEOS and Carbon Support</b> <b>Sanja Krstic</b> , University of Belgrade, Belgrade, Serbia
<b>11:00 - 11:30</b>	<b>Title: Removal of Re (VII) from aqueous solutions using zirconium-based MOF UiO-66 as adsorbent</b> <b>Radojka Vujasin</b> , University of Belgrade, Belgrade, Serbia
<b>11:30 - 12:00</b>	<b>Title: Photocatalytic removal of the Congo red dye from aqueous solutions using UiO-66/AC composite powders</b> <b>Aleksandar Devecerski</b> , University of Belgrade, Belgrade, Serbia
<b>12:00 - 12:30</b>	<b>Title: Bioenergy, Environment and Sustainable Development</b> <b>Abdeen Mustafa Omer</b> , Energy Research Institute, Nottingham NG7 4EU, United Kingdom
<b>12:30 - 13:00</b>	<b>Title: Impacts of covid-19 pandemic on the environment</b> <b>Anita Rakić</b> , Nastavni zavod za javno zdravstvo Splitsko-dalmatinske županije
<b>13:00 - 13:30</b>	<b>Title: Dyeing Non-Recyclable Polyethylene Plastic with Photoacid Phycocyanobilin from Spirulina Algae: Ultrafast Photoluminescence Studies</b> <b>Maryam Alhefeiti</b> , Department of Chemistry, College of Science, United Arab Emirates University
<b>13:30 - 14:00</b>	<b>Title: Novel Analytical method for estimation of bilirubin in human blood</b> <b>Farah S. Daabool</b> , College of biotechnology, Al-Qasim Green University, Hilla, Iraq
<b>14:00 - 14:30</b>	<b>Title: The Use of Cellulose Nanocrystals as Molecular Scaffolds; Supramolecular Chemistry Using Nature's Most Abundant Template</b> <b>Dimitris S. Argyropoulos</b> , State University, Raleigh, NC, 27695-8005, USA

# **Supporting Journals**

**Environmental Analytical Chemistry**

**Journal of Experimental Food Chemistry**

**Immunochemistry & Immunopathology**

**Medicinal Chemistry**

# **Organizing Committee Member**



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## **Olha Storchylo**

**Odessa National Medical University, Ukraine**

### **Title: Green chemistry as an organic medicine**

Civilizational processes are accompanied by pollution of the environment. Emissions of combustion products of fuel, technology of production and processing of materials and even preservation of food lead to the reciprocity of a certain amount of xenobiotics into the human body, which are not metabolized and, as a result, accumulate in the body. This leads to various violations of its functioning - from intoxication to stimulation of tumor processes. Therefore, more and more attention has recently been paid to organic products - both food and medicines. Official preparations obtained by the production method are an extract of plant raw materials (or its synthetic analogue). However, when preparing the drug, the interactions between the released substance and the accompanying components in the original plant material are damaged, which affect the overall effect of the herbal preparation as a whole. It leads to a violation of the integrity of the complex of biologically active substances that provide the final effect of phyto preparation - and, as a consequence, to impoverishment or distortion of the effect in comparison with the expected one. Thus, in our experiments in vitro and in vivo the advantage of the total extract of the milk thistle fruits in the realization of the radio protective effect in comparison with their water and fat-soluble fractions was proved. Unfortunately, there is no medicine acting on the principle of "magic bullet" and the side effect is quite real with both synthetic and natural phyto preparations, but the latter have a broader spectrum of action, lower toxicity and a mild prolonged effect. Therefore, along with the use of patented drugs, the use of "green chemistry" will facilitate the solution of the problem and improve the quality of human life.

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