

Second Edition of Global Virtual Conference on

# POLYMERS BIOMATERIALS

Date: March 15, 2021 | Conference Time: Russian Time Zone

## Program

**Conference Chairs:** Mikhail Shtilman, Anna Luss and Yaroslav Mezhuev  
D.I.Mendeleyev University of Chemical Technology of Russian, Russian Federation

**Meeting Time**  
**Moscow Standard**  
**Time**

**Presentation Titles**

09:00-09:20 Join the Meeting (AV Check)

09:20-09:30 Opening Remarks and Introduction

**09:30-12:45 Keynote Presentation**

09:30-10:00  
(25min+5min) **Nanoscale Systems Based on Amphiphilic Copolymers and Its Interaction With Components of Living Objects**

**Mikhail Shtilman**, D.I.Mendeleyev University of Chemical Technology of Russian, Russian Federation

10:00-10:30  
(25min+5min) **New Approaches to the Regulation of Oxidative Polymerization for the Creation of Biomaterials**

**Yaroslav Mezhuev**, D.I.Mendeleyev University of Chemical Technology of Russian, Russian Federation

10:30-11:00  
(25min+5min) **Dialdehyde Polysaccharides as Polymer-carriers in Medical Compositions for Bone Tissue Engineering**

**Anna Luss**, D.I.Mendeleyev University of Chemical Technology of Russian, Russian Federation

**11:00-11:15 Coffee Break**

11:15-11:45  
(25min+5min) **Polysaccharide Carriers for Physiologically Active Naphthaldehyde-gossypol**

**Dyatlov Valerie**, D.I.Mendeleyev University of Chemical Technology of Russian, Russian Federation

11:45-12:15  
(25min+5min) **Nano-scaled Amphiphilic Poly(N-vinylpyrrolidone)-based System for Delivery of DNA Plasmids Encoding Virus Glycoproteins**

**Andrey N. Kuskov**, D.I.Mendeleyev University of Chemical Technology of Russian, Russian Federation

12:15-12:45  
(25min+5min) **Radical Polymerization of Acrylamide in An Aqueous Solution With 1,3-dimethylimidazolium Dimethyl Phosphate and Elemental Sulfur**

**Alexey Zanin**, D.I.Mendeleyev University of Chemical Technology of Russian, Russian Federation

**12:45-13:20 Lunch**

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13:20-15:40

**Student Presentations**

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13:20-13:40  
(15min+5min)

**Transmembrane Drug Delivery Systems Based on Amphiphilic Poly-N-vinylpyrrolidone Nanocapsules**

**Anna Nechaeva**, *D.I.Mendeleyev University of Chemical Technology of Russian, Russian Federation*

13:40-14:00  
(15min+5min)

**Biocomposite Bone Substitute Materials Containing Polymer Drug Delivery Systems**

**Kirill Kushnerev**, *D.I.Mendeleyev University of Chemical Technology of Russian, Russian Federation*

14:00-14:20  
(15min+5min)

**Surfactant Precursors of Poly-2-cyancrylate Nanoscaled Carriers for Intranuclear Transport of Physiologically Active Substances**

**Igor Derevnin**, *D.I.Mendeleyev University of Chemical Technology of Russian, Russian Federation*

14:20-14:40  
(15min+5min)

**Application of A Biopolymer-based Sorbing system for Assessing the Condition of Exudating Wounds**

**Ekaterina Trufanova**, *D.I.Mendeleyev University of Chemical Technology of Russian, Russian Federation*

14:40-15:00  
(15min+5min)

**Development and Research of the Main Colloidal Properties of Cosmetic Emulsions for Skin Protection Against Environmental Pollution Stabilized by Mixture of Surfactants**

**Elilzaveta Tolmacheva**, *D.I.Mendeleyev University of Chemical Technology of Russian, Russian Federation*

15:00-15:20  
(15min+5min)

**Hydrogels Based on Modified Polyvinyl Alcohol as A Promising Material for Vascular Embolization**

**Leonid Bryukhanov**, *D.I.Mendeleyev University of Chemical Technology of Russian, Russian Federation*

15:20-15:40  
(15min+5min)

**Method for Obtaining Polypyrrole Films by Manganese Dioxide Oxidative Polymerization on A Silica Gel Substrate and the Prospect of Using the Resulting Polymer as A Biosensor**

**Ivan V. Plyushchii**, *D.I.Mendeleyev University of Chemical Technology of Russian, Russian Federation*

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