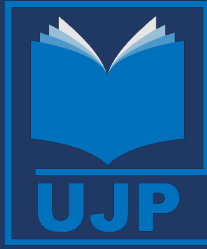


ISSN-e: 2181-3256

ISSN-p: 2181-3248



**Uzbekistan Journal of
Polymers**

Volume 1 • Issue 2 • 2022

ISSN 2181-3256 (Online)

ISSN- 2181-3248 (Print)

Uzbekistan Journal of Polymers

Volume 1 • Issue 2 • 2022

Special Issue

July–August–September September, 30th, 2022

Founded in 2022

Published 4 times a year

Tashkent, 2022

Editor-in-Chief

Rashidova Sayyora Sharafovna, Academician of the Academy of Sciences Republic Uzbekistan, doctor of chemical sciences, professor Head of the laboratory "Synthesis of advanced polymers".
Institute of Chemistry and Physics of Polymers of the Academy of Sciences of the Republic of Uzbekistan

Ashurov Nigmat Rustamovich	Professor, Doctor of Technical Sciences. Head of the Laboratory of "Nanostructural Composite Polymer Materials" (NKPM); Institute of Chemistry and Physics of Polymers of the Academy of Sciences of the Republic of Uzbekistan
Khokhlov Alexey Removich	Academician of the Russian Academy of Sciences, Doctor of Physical and Mathematical Sciences, Head of the Department of Physics of Polymers and Crystals, Faculty of Physics, Moscow State University named after M.V. Lomonosov
Zaremsky Mikhail Yurievich	Doctor of Chemistry, Head of Laboratory: Laboratory of polymerization processes, Faculty of Chemistry, Moscow State University named after M.V. Lomonosov
Kabanov Alexander Viktorovich	Professor, Doctor of Chemical Sciences. Department of Chemical Enzymology, Moscow State University named after M.V. Lomonosov, Faculty of Chemistry, head of the laboratory "Chemical design of bionanomaterials"
Lyulin Sergey Vladimirovich	corresponding member RAS, Doctor of Physical and Mathematical Sciences, Professor of RAS, Doctor of Physical and Mathematical Sciences, Head of Laboratory theory and modeling of polymer systems Institute of Macromolecular Compounds of the Russian Academy of Sciences (IVS RAS) in St. Petersburg
Shtilman Mikhail Isaakovich	Professor, Doctor of Chemical Sciences, Head of the Department of Biomaterials Russian University of Chemical Technology named after D.I. Mendeleev" (RCTU)
Zahidov Anvar Abdulahadovich	Professor, Doctor of Physical and Mathematical Sciences, Associate Director of the Institute of Nanotechnology at the University of Texas at Dallas
Turaeva Nigora Nazarovna	Doctor of Physical and Mathematical Sciences, Department of Biological Sciences, Webster University, St. Louis. USA
Vitaly Viktorovich Khutoryanskiy	PhD in Engineering, Professor at the University of Reading, UK.
Khalikov Dzhurabai Khalikovich	Academician of the Academy of Sciences of the Republic of Tajikistan, Doctor of Chemical Sciences, Director of the Institute of Chemistry named after V. I. Nikitina of the Academy of Sciences of the Republic of Tajikistan with the retention of the position of head of the laboratory of chemistry of medical and biological polymers
Kudaibergenov Sarkyt Yelekenovich	Professor, doctor of chemical sciences, professor. Director Institute of Polymer Materials and Technologies of the Republic of Kazakhstan
Bekturov Yesen AbikenovichKazakhstan)	Academician of the National Academy of Sciences of the Republic of Kazakhstan, Doctor of Chemical Sciences Institute of Chemical Sciences named after A.B. Bekturova
Negmatov Soibjon Sodikovich	Academician of the Academy of Sciences Republic Uzbekistan, Doctor of Technical Sciences Scientific supervisor of the State Unitary Enterprise "Fan va tarakkiiyet"
Turaev Abboskhon Sabirkhanovich	Academician of the Academy of Sciences Republic Uzbekistan, Doctor of Technical Sciences Institute of Bioorganic Chemistry of the Academy of Sciences of the Republic of Uzbekistan
Jalilov Abdulahat Turapovich	Academician of the Academy of Sciences Republic Uzbekistan, Doctor of Chemical Sciences, Director of the State Unitary Enterprise "Tashkent Research Institute of Chemical Technology"
Rakhmanberdiev Gappor Rakhmonberdievich	Professor, Doctor of Chemical Sciences, Tashkent Institute of Chemical Technology
Matrasulov Davron Urunovich.	Professor, Doctor of Physical and Mathematical Sciences, Turin Polytechnic University in Tashkent
Mukhammediev Mukhtor Ganievich	Professor, Doctor of Chemical Sciences Department of Polymer Chemistry National University of Uzbekistan
Rafikov Adkham Salimovich	Professor, Doctor of Chemical Sciences, Tashkent Institute of Textile and Light Industry
Sarymsakov Abdushukur Abdukhalilovich	Professor Doctor of Technical Sciences, Head of the laboratory "Chemistry and technology of cellulose and its derivatives". Institute of Chemistry and Physics of Polymers of the Academy of Sciences of the Republic of Uzbekistan
Vakhidova Noira Rakhmonovna	Doctor of Chemistry, Head of the Laboratory "Interpolyelectrolyte complexes and metal polymers" Institute of Chemistry and Physics of Polymers of the Academy of Sciences of the Republic of Uzbekistan
Kudyskhin Valentin Olegovich	Professor, Doctor of Chemical Sciences, Head of the Laboratory "Modern approaches to the regulation of

	radical polymerization" Institute of Chemistry and Physics of Polymers, Academy of Sciences of the Republic of Uzbekistan
Atakhanov Abdumutalib Abdupattoevich	doctor of technical sciences, head of the laboratory "Physics, physical and physico-chemical methods of research"; Institute of Chemistry and Physics of Polymers of the Academy of Sciences of the Republic of Uzbekistan
Nurgaliev Ilnar Nakipovich	Doctor of Physical and Mathematical Sciences, Head of the Laboratory of Theoretical Foundations of Chemistry and Physics of Polymers. Institute of Chemistry and Physics of Polymers of the Academy of Sciences of the Republic of Uzbekistan
Yunusov Khaydar Ergashovich	Doctor of Technical Sciences Institute of Chemistry and Physics of Polymers of the Academy of Sciences of the Republic of Uzbekistan
Usmanova Manzura Makhmudovna	Candidate of Chemical Sciences, Scientific Secretary of the Institute of Chemistry and Physics of Polymers of the Academy of Sciences of the Republic of Uzbekistan
Rashidova Dilbar Karimovna	Professor, Doctor of Agricultural Sciences, "Scientific Research Institute of Breeding, Seed Production and Agrotechnologies of Cotton Growing"
Milusheva Rakiya Yunusovna	Candidate of Chemical Sciences , Institute of Chemistry and Physics of Polymers of the Academy of Sciences of the Republic of Uzbekistan

Postal address: 7^b Kadiri Str., Tashkent, 100128, Uzbekistan

Tel. (+99871) 2418594

Fax: (+998871) 2412660.

E-mail: info@uzpolymerjournal.com, editor@uzpolymerjournal.com

Web-site: <https://uzpolymerjournal.com/>

Uzbekistan Journal of Polymers

ISSN 2181-3256 (Online), ISSN- 2181-3248 (Print).

Proprietary: Institute of Chemistry and Physics of Polymers of the Academy of Sciences of the Republic of Uzbekistan.

Registered by the Agency of Information and Mass Communications under the Administration of the President of the Republic of Uzbekistan.

Rediscount certificate № 1469 dated 17.12.2021.

<i>Vokhidova N.R., Rashidova S. Sh.</i> Biologically active properties of chitosan and mechanism of action.....	5
<i>Yunusov Kh. E., Sarymsakov A. A.</i> Recent advances in the creation of polymer forms drugs with silver nanoparticles for medical purposes.....	15
<i>Turdikulov I. Kh., Saidmuhamedova M.K., Atakhanov A. A.</i> Obtaining biodegradable composite materials based on synthetic polymers: the problems and approaches of solving them.....	31
<i>Rafikov A.S., Zubaydullaeva M.M., Sadikova D.B.</i> Synthesis, composition and structure of complexes of dialyzed collagen with copper (ii) sulfate.....	47
<i>Gafurova D., Mukhamediev M.</i> Using of Iodine-Containing Fibrous Materials for Disinfection of Water from Microorganisms.....	63
<i>Rakhmanberdiev R.G., Ibragimova K.S.</i> Inulin modification with tubazide....	71

CONTENTS