

**List of scientific papers in international peer-reviewed
scientific journals, included in the Scopus and Web of Science databases
Gulnur Tatykhanova**

Author IDs:

Scopus Author ID: 23977007200

Web of Science Researcher ID: N-6874-2017

ORCID: 0000-0003-4457-1705

№	Publication title	Publication type	Name of the journal, year of publication, DOI	The impact factor of the journal, quartile and field of science according to Journal Citation Reports for the year of publication	Index in the Web of Science Core Collection database	CiteScore of the journal, percentile and field of science according to Scopus data for the year of publication	Full name of the authors (applicant underline)	The role of the applicant
1	2	3	4	5	6	7	8	9
1	Oxidation of iso-propanol and n-butanol by catalase encapsulated within macroporous polyampholyte cryogel matrix	Article	Polymers for Advanced Technologies, 2021, https://doi.org/10.1002/pat.5396	IF 3.348, Q2, POLYMER SCIENCE	SCIE	CiteScore =5.5 Percentile =76% Polymers and Plastics	I. Smagulova, <u>G.Tatykhanova</u> , A.Shakhvorostov, D. Akbayeva, S. Kudaibergenov	co-author

«__» _____ 2023

Applicant

G. Tatykhanova

Director IPMT

S. Kudaibergenov

Chief Scientific Secretary

A. Shakhvorostov

INSTITUTE OF POLYMER MATERIALS AND TECHNOLOGY

2	Synthesis and Stabilization of Gold Nanoparticles Using Water-Soluble Synthetic and Natural Polymers	Article	Polymers, 2020, https://doi.org/10.3390/polym12112625	IF 4.329, Q1, POLYMER SCIENCE	SCIE	CiteScore =4.7 Percentile =76% Polymers and Plastics	Zh.Nurakhmetova A. Azhkeyeva, I. Klassen. G.Tatykhanova ,	co-author
3	Polymer Protected and Gel Immobilized Gold and Silver Nanoparticles in Catalysis	Article	Journal of Inorganic and Organometallic Polymers and Materials, 2016, https://doi.org/10.1007/10904-016-0373-z	IF 1.577 Q2, POLYMER SCIENCE	SCIE	CiteScore =2.6 Percentile =63% Materials Chemistry	S.Kudaibergenov G.Tatykhanova , B. S.Selenova	co-author
4	Complexation of Macroporous Amphoteric Cryogels based on N,N-dimethylaminoethyl methacrylate and Methacrylic Acid with Dyes, Surfactant, and Protein	Article	Journal of Applied Polymer Science, 2016, https://doi.org/10.1002/app.43784	IF 1.860 Q2, POLYMER SCIENCE	SCIE	CiteScore =3.9 Percentile =78% Polymers and Plastics	S.Kudaibergenov, G.Tatykhanova , A.N. Klivenko	co-author
5	Study of Gellan for Polymer Flooding	Article	Journal of Dispersion Science and Technology, 2013,	IF 0.705 Q4, CHEMISTRY, PHYSICAL	SCIE	CiteScore =1.3 Percentile =50% Polymers and Plastics	R. Ibragimov, I. Gusenov, G. Tatykhanova , Zh. Adilov, Nurxat Nuraje,	co-author

«__» _____ 2023

Applicant

Director IPMT

Chief Scientific Secretary

G. Tatykhanova

S. Kudaibergenov

A. Shakhvorostov

INSTITUTE OF POLYMER MATERIALS AND TECHNOLOGY

			https://doi.org/10.1080/01932691.2012.742766				S. Kudaibergenov	
6	Metal Complexes of Amphoteric Cryogels based on Allylamine and Methacrylic Acid	Conference Paper	Macromolecular Symposia, 2012, https://doi.org/10.1002/masy.201100065	- Q3 (2005)	SCIE	CiteScore =1.3 Percentile =56% Polymers and Plastics	<u>G. Tatykhanova</u> , Zh. Sadakbayeva, D. Berillo, I. Galaev, Kh. Abdullin, Zh. Adilov, S. Kudaibergenov.	first author
7	Novel Macroporous Amphoteric Gels: Preparation and Characterization.	Article	Express Polymer Letters, 2012, https://doi.org/10.3144/expresspolymlett.2012.38	IF 2.294 Q2, POLYMER SCIENCE	SCIE	CiteScore =3.2 Percentile =80% Polymers and Plastics	Kudaibergenov S., Zh. Adilov, <u>G. Tatykhanova</u> , D. Berillo, Zh. Sadakbaeva, Kh. Abdullin, I. Galaev.	co-author
8	Flow-Through Catalytic Reactor Based on Macroporous Amphoteric Cryogels and Gold Nanoparticles	Conference paper	Macromolecular Symposia, 2016, https://doi.org/10.1002/masy.201500137	-	SCIE	CiteScore =1.1 Percentile =40% Polymers and Plastics	<u>Tatykhanova G. S.</u> , Klivenko A. N., Kudaibergenova G. M., Kudaibergenov S.	first author
9	Physico-Chemical and Rheological Properties of Gellan in Aqueous-Salt	Conference paper	Macromolecular Symposia Volume 363, Is.1 p. 20-35	-	SCIE	CiteScore =1.1 Percentile =40%	Kudaibergenov S.E., <u>Tatykhanova G.</u> , Sigitov V.B., Nurakhmetova Z.A.,	co-author

«__» _____ 2023

Applicant

Director IPMT

Chief Scientific Secretary

G. Tatykhanova

S. Kudaibergenov

A. Shakhvorostov

INSTITUTE OF POLYMER MATERIALS AND TECHNOLOGY

	Solutions and Oilfield Saline Water		https://doi.org/10.1002/masy.201500139			Polymers and Plastics	Blagikh E.V. Gussenov I. Sh., Seilkhanov T. M.	
10	Poly (N-vinylpyrrolidone) protected gold and silver nanoparticles: synthesis, characterization and catalytic properties	Conference paper	Macromolecular Symposia, 2015, https://doi.org/10.1002/masy.201300133	-	SCIE	CiteScore =1.0 Percentile =40% Polymers and Plastics	Zh.Ibrayeva, E. Baigaziyeva, <u>G.Tatykhanova</u> , N.Yesmurzayeva, M.Yashkarova, S.Kudaibergenov	co-author
11	Organosoluble Polyelectrolyte-Surfactant Complexes	Conference paper	Macromolecular Symposia, 2012, https://doi.org/10.1002/masy.201100063	-	SCIE	CiteScore =1.4 Percentile =56% Polymers and Plastics	S.Kudaibergenov, Zh. Sadakbayeva, <u>G.Tatykhanova</u> , N. Medard, A. Seitov, Kh. Abdullin	co-author

**List of scientific Proceedings
Gulnur Tatykhanova**

№	Title	Nature of the publication	Output data	Number of pages	Co - authors
1	2	3	4	5	6
	Articles in publications recommended by the Committee for Quality Assurance in the Field of Science and Higher Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan				
1	Ophthalmic drug delivery system based on the complex of gellan and ofloxacin (Article)	Article	Chem Bull Kaz Nat Univ. Vol. 2, 2022, P. 4-12. ISSN 1563-0331/eISSN2312-7554	9	V.O. Aseyev, M. Vamvakaki,

«__» _____ 2023

Applicant

Director IPMT

Chief Scientific Secretary

G. Tatykhanova

S. Kudaibergenov

A. Shakhvorostov

INSTITUTE OF POLYMER MATERIALS AND TECHNOLOGY

			https://doi.org/10.15328/cb1239		V. Khutoryanskiy, S.Kudaibergenov
2	Preparation and standardization of antimicrobial eye drops with gold nanoparticles based on the safflower seed extract (Article)	Article	Фармация Казахстана. -№3 (242). 2022. 231-235 стр. ISSN 2310-6115 https://doi.org/10.53511/PHARMKAZ.2022.14.37.034	5	A.Tokpanova, A.Turgumbayeva, Z. Abuova, K. Rakhimov, R. Tuleyeva, A. Jusupkaliyeva.
3	Antitumor drugs and metal nanoparticles immobilized in the Gellan matrix: achievements and application prospects (Review article)	Article	Chem. Bull. Kaz. Nat. Univ. No.4, 2020, p.32-41, ISSN 1563-0331/eISSN2312-7554 https://doi.org/10.15328/cb1169	10	Zh.A.Nurakhmetova, S.E. Kudaibergenov
4	Alkaline/Surfactant/Polymer (ASP) Flooding (Article)	Article	International Journal of Biology and Chemistry 8, №1, 2015, p.30-42. ISSN: 2218-7979 eISSN 2409-370X https://doi.org/10.26577/2218-7979-2015-8-1-30-42	13	Nurxat N., Gussenov I., Akhmedzhanov T., Kudaibergenov S.
5	Synthesis and physicochemical properties of macroporous cryogels (Article)	Article	International Journal of Biology and Chemistry 8, №1, 2015, p.52-60 ISSN: 2218-7979 eISSN 2409-370X https://doi.org/10.26577/2218-7979-2015-8-1-52-60	9	Klivenko A.N., Mun G.A., Kudaibergenov S.E.,
6	Oxidation of Cyclohexane Mediated with Gel-Immobilized Gold Nanoparticles (Article)	Article	International Journal of Biology and Chemistry 8, №1, 2015, p.61-66. ISSN: 2218-7979 eISSN 2409-370X https://doi.org/10.26577/2218-7979-2015-8-1-61-66	6	Nurgaziyeva E.K., Mun G.A., Khutoryanskiy V., Kudaibergenov S.E

«__» _____ 2023

Applicant

G. Tatykhanova

Director IPMT

S. Kudaibergenov

Chief Scientific Secretary

A. Shakhvorostov

INSTITUTE OF POLYMER MATERIALS AND TECHNOLOGY

7	Behavior of gellan in aqueous-salt solutions and oilfield saline water (Article)	Article	Chemical Bulletin of Kazakh National University. №3(79), 2015. P. 63-68. ISSN 1563-0331 eISSN2312-7554 https://doi.org/10.15328/cb640	6	Nurakhmetova Zh. A., Gussenov I.Sh., Kudaibergenov S.
8	Synthesis and characterization of hydrophobically modified polymeric betaines, Article	Article	Chemical Bulletin of Kazakh National University. №3(79), 2015. P. 79-88. ISSN 1563-0331 eISSN2312-7554 https://doi.org/10.15328/cb645	8	Shakhvorostov A., Nurakhmetova Zh., Nuraje N., Kudaibergenov S.
9	Hydrogenation of p-Nitrophenol by Gold Nanoparticles Immobilized within Macroporous Amphoteric Cryogels based on N,N-Dimethylaminoethylmethacrylate and Methacrylic Acid, Article	Article	Вестник КазГУ, Сер. Хим.№ 4 (80). С.10-15. 2015. ISSN 0142-0843 http://rep.ksu.kz:80//handle/data/4179	5	Klivenko A. N., Nurxat Nuraje, Kudaibergenov S.
10	Polymer Protected Gold Nanoparticles: Synthesis, Characterization and Application in Catalysis, Article	Article	International Journal of Biology and Chemistry –Vol.7, № 1. 2014. P. 14-23. ISSN: 2218-7979 eISSN 2409-370X https://doi.org/10.26577/2218-7979-2014-7-1-14-23	10	K. Baygazieva, N.Yesmurzayeva, G.A. Mun, V.V. Khutoryanskiy, S.Kudaibergenov.
11	Physico-chemical and catalytic properties of polymer-protected and hydrogel-immobilized gold, silver and palladium nanoparticles, Article	Article	International Journal of Biology and Chemistry ISSN: 2218-7979 eISSN 2409-370X Vol.6, № 2. 2013. P. 40-49. https://ijbch.kaznu.kz/index.php/kaznu/article/view/98	10	Kudaibergenov E.
12	Золь-гель и гель-золь переходы геллана в модельных и реальных солевых растворах, Article	Article	Vestnik KazNTU ISSN 2709-4766, ISSN 2709-4758 № 4.2013. С.209-213.	5	Ж. А. Нурахметова, А.А. Жумалы, С.Е. Кудайбергенов

«__» _____ 2023

Applicant

G. Tatykhanova

Director IPMT

S. Kudaibergenov

Chief Scientific Secretary

A. Shakhvorostov

INSTITUTE OF POLYMER MATERIALS AND TECHNOLOGY

13	Preparation and properties of organosoluble polyelectrolyte-surfactant complexes, Article	Article	Chemical Bulletin of Kazakh National University V. 67. № 3. 2012.P. 189-193. ISSN 1563-0331 eISSN2312-7554 https://doi.org/10.15328/chemb_2012_3	5	A Seitov, N Nuraje, S. Kudaibergenov
14	Laboratory Test for Enhanced Oil Recovery with Gellan, Article	Article	International Journal of Biology and Chemistry V. 3, №2, 2012, P. 132-138. ISSN: 2218-7979 eISSN 2409-370X	6	S.Kudaibergenov, Zh.M. Adilov, N. Nuraje, A.A. Sagindykov, I.Sh. Gusenov, R.Sh. Ibragimov
15	Изучение процессов вытеснения нефти из кернов раствором геллана, Article	Article	Вестник Национальной инженерной академии Республики Казахстан. №1 (43), 2012, С.95-101. ISSN:1606-146X	6	Р. Ш. Ибрагимов, И. Ш. Гусенов, Ж.М. Адиллов, Х.А. Абдуллин, С. Кудайбергенов.
Patents					
16	Способ получения амфотерного криогеля.	Print./Elec.	Innovative patent of the RK, No. 30956 publ.19.02.2016		Клиненко А.Н., Кудайбергенов С.
17	Макропористый амфотерный криогель и способ его получения	Print./Elec.	Innovative patent of the RK, No. 29406 publ. 13.11.2013		Кудайбергенов С. Е., Берилло Д.А.,
18	Способ нанесения полимер-протектированных наночастиц золота на неорганические оксиды	Print./Elec.	Innovative patent of the RK, No. 29004 publ. 18.10.2013		Кудайбергенов С., Селенова Б., Есмурзаева Н., Байгазиева Э., Нурахметова Ж.,
19	Способ извлечения редкоземельных элементов из растворов	Print./Elec.	Innovative patent of the RK, No. 24563 publ. 09.09.2010		Бектурганов Н.С., Тусупбаев Н.К.,

«__» _____ 2023

Applicant

Director IPMT

Chief Scientific Secretary

G. Tatykhanova

S. Kudaibergenov

A. Shakhvorostov

INSTITUTE OF POLYMER MATERIALS AND TECHNOLOGY

					Кудайбергенов С.Е., Семушкина Л.В., Ибраева Ж.Е.
20	Механохимический способ получение наночастиц серебра	Print./Elec.	Innovative patent of the RK, No. 24371publ. 30.07.2010		Кудайбергенов С.Е., Абдуллин Х.А., Ермолаева В.Н., Ибраева Ж., Садакбаева Ж.К.
Articles published in other scientific journals and publications					
21	Mucoadhesive Properties of Gellan and Its Modified Derivatives «Review»	Electronic	Reviews and Advances in Chemistry. Vol.10, No. 2-3, 2020, p. 140-157. ISSN: 2634-8276 (Print), 2634-8284 (Electronic) https://doi:10.1134/S207997802003005X	17	V. Aseyev, S. Kudaibergenov
22	Gellan Gum Immobilized Anticancer Drugs and Gold Nanoparticles in Nanomedicine. «Review»	Electronic	Academ. J. Polym. Sci. V.2, Issue 3, 2019, P.1-10. ISSN: 2641-8282 AJOP.MS.ID.555588	10	S.Kudaibergenov, S. Xu.
23	Catalytic Activity of Gold and Silver Nanoparticles Supported on Zinc Oxide, «Article»	Electronic	Supramol. Catal. 2015. V.2. P. 1–8 https://doi.org/10.1515/supcat-2015-0001	8	N.Yesmurzayeva, Zh. ANurakhmetova, B.S Selenova, S. E Kudaibergenov
Monographs, textbooks					
24	Композиционные полимерные материалы и технологии на их основе (Monograph)	Print	Семей, изд. «Тенгри», 2013, 216 с. ISBN 978-601-7346-58-4	216	С.Кудайбергенов Ж.Ибраева, С.К Кабдрахманова, Б.Х. Мусабаева

«__» _____ 2023

Applicant

Director IPMT

Chief Scientific Secretary

G. Tatykhanova

S. Kudaibergenov

A. Shakhvorostov

INSTITUTE OF POLYMER MATERIALS AND TECHNOLOGY

25	Layer-by-Layer Thin Films and Coatings Containing Metal Nanoparticles in Catalysis.	chapter of books	Chapter 8 in Book “Thin Film Processes – Artifacts on Surface Phenomena and Technological Facets”, (Ed. by J. Thirumalai), InTech, 2017, P. 147-164. https://doi:10.5772/67215 ISBN 978-953-51-3068-0 /EBOOK ISBN 978-953-51-4874-6	18	S. Kudaibergenov, N. Bakranov, R. Tursunova
26	Chapter 1. Composite Hydrogel Materials.	chapter of books	In book: Advanced Separations by Specialized Sorbents. -New York: CRC Press, 2014. – P.1-37 ISBN 978-148-222-0551	38	S. Kudaibergenov, Zh. Ibrayeva, M. Yashkarova, S. Kabdrakhmanova
27	Immobilization and controlled release of bioactive substances from stimuli-responsive hydrogels. Biodefence.	chapter of books	NATO Science for Peace and Security Series-A: Chemistry and Biology. Chapter 19. Springer Science+Business Media B.V. 2011, p. 179-189 ISBN 978-94-007-0219	10	S. Kudaibergenov, Zh. Ibraeva,

«__» _____ 2023

Applicant

Director IPMT

Chief Scientific Secretary

G. Tatykhanova

S. Kudaibergenov

A. Shakhvorostov