

GULNARA RASKILDINA

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Experience and Education

April 2022 – present	Professor at the Department of General, Analytical and Applied Chemistry , Ufa State Petroleum Technological University
June 2021	submitted and defended Doctoral dissertation "Synthesis, properties and directions of use of polyfunctional carbo- and heterocyclic reagents obtained on the basis of substituted gem-dichlorocyclopropanes and 1,3-dioxacycloalkanes"
March 2020	received the title of Docent (Petrochemistry)
2014 – March 2022	Associate Professor at the Department of General, Analytical and Applied Chemistry , Ufa State Petroleum Technological University
2010 – 2013	Ph.D. , Chemistry (Petrochemistry and Organic Chemistry), Ufa State Petroleum Technological University
2005 – 2010	Student in Biochemistry, Sterlitamak State Pedagogical Academy
Summer 2010	Worker in Wendy's Restaurant, Ruther Glen, VA, USA according to the program "Work & Travel"

Awards & Honors

2014	Winner of the U.M.N.I.K program, (Bortnik Foundation);
2014	RFBR grant for the young Russian scientists;
2015-2017	Scholarship from the President of the Russian Federation for young scientists;
2015	Winner of the START program (Bortnik Foundation);
2016	Winner of the RFBR grant "My First Grant";
2018-2020	Winner of the RFBR grant "Eureka! Idea";
2019	Winner of the grant of the Republic Bashkortostan for the young scientists;
2021	Winner of the grants from the President of the Russian Federation for the young Russian scientists.
2022-2024	Winner of the grant of the Ministry of Education (State task) for the creation of a youth scientific laboratory "Petrochemical reagents, oils and materials for heat power engineering".

Scientific experience

	Development and research in Chemistry and Petrochemistry; Experience in synthesis of new biologically active compounds and other reagents for practical purposes; I have lectures, practical and lab works in Organic chemistry and Petrochemistry with students and PhD-students; I had experience in physico-chemical methods of analysis: GLC, HPLC, IR, NMR spectroscopy, etc. Certificate of the program of scientific training in the field of scanning electron microscopy (FE-SEM Hitachi SU8000), N.D. Zelinsky Institute of Organic Chemistry Russian Academy of Sciences, Moscow, 2013.
2016, 2018	I had scientific internships from the Michail Lomonosov's program founded by DAAD (Germany) and the Russian Ministry of Education and Science, group under Prof. Dr. Dirk Menche, University of Bonn (Germany).

May 2018 I had scientific internship in Chemistry (HPLC analysis), group under Prof. Dr. Benedetto Natalini, University of Perugia (Italy).

Publications (Russian Science Citation Index is **13**, h-index is **6**):

1. V.A. Rassadin, D.P. Zimin, G.Z. Raskil'dina, A.Yu. Ivanov, V. P. Boyarskiy, S.S. Zlotskii, V.Yu. Kukushkin / Solvent- and Halide-free Synthesis of Pyridine-2-yl Substituted Ureas through Facile C–H Functionalization of Pyridine N-oxides // *Green Chemistry*, 2016. DOI: 10.1039/c6gc02556k (Q1, IF 9.41).
2. Federica Ianni, Lucia Pucciarini, Andrea Carotti, Serena Natalini, Gul'nara Z. Raskil'dina, Roccaldo Sardella, Benedetto Natalini / Last ten years (2008–2018) of chiral ligand-exchange chromatography in HPLC: An up dated review // *WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim J.Sep.Sci.* 2019; 42: P. 21-37. DOI: 10.1002/jssc.201800724 (Q2, IF 2.52).
3. G.Z. Raskil'dina, S.S. Zlotsky and R.M. Sultanova / Diazo compounds in the synthesis of O- and S-containing macroheterocycles // *Macroheterocycles*, 2018. V. 11 (2). P. 166-172. DOI: 10.6060/mhc170622s (Q3, IF 0.3).
4. Sultanova R.; Borisevich S.; Raskil'dina G.; Borisova Y.; Baykova I.; Khursan S.; Spirihin L.; Zlotsky S. / Interaction of triols with formaldehyde and acetone. Experimental and theoretical study // *Journal of the Chinese Chemical Society*. 2020. P. 1–8. DOI: 10.1002/jccs.201900401 (Q3, IF 1.19).
5. Sakhabutdinova G.N., Raskil'dina G.Z., Baykova I.P., Zlotsky S.S., Sultanova R.M. / Catalytic interaction of substituted 1,3-oxathiolanes with diazocarbonyl compounds // *Chemistry of Heterocyclic Compounds*, 2019, 55 (12), P. 1222-1227. (Q3, 1.49).
6. G.N. Sakhabutdinova, I. P. Baykova, G. Z. Raskil'dina, S. S. Zlotsky, R. M. Sultanova / Rh(II)-Catalyzed interaction of salicylic aldehyde and its derivatives with diazocarbonyl compounds // *Journal of Organic Chemistry*. 2018. V. 54. Issue. 12. P. 1758-1762.
7. Raskil'dina G.Z., Valiev V.F., Zlotsky S.S. / Synthesis of tertiary amines containing gem-dichlorocyclopropane and cycloacetal fragments // *Journal of Applied Chemistry*. 2016, V. 89, Issue. 5, P. 753-757.
8. G.N. Sakhabutdinova, I.P. Baykova, Raskil'dina G.Z., S.S. Zlotsky, R.M. Sultanova / Catalytic interaction of ethyl 2-diazo-3-oxobutanoate with alcohols // *Journal of Organic Chemistry*. 2018. V. 54. Issue. 3. P. 373-376.
9. Raskil'dina G.Z., Borisova J.G., Zlotsky S.S. Synthesis of gem-dichlorocyclopropylmethylmalonates and decarboxylation // *Roumanian Journal of Chemistry*. 2016. 61(1). P.29-33.
10. Raskil'dina G.Z., Legostaeva Y.V., Garifullina L.R., Sultanova R.M., Ishmuratov G.Yu., Zlotsky S.S. Reactions of peroxide products of ozonolysis of allyl ethers/esters in the AcOH-CH₂Cl₂ system on treatment with semicarbazide hydrochloride // *Letters in Organic Chemistry*. 2016. Vol.13. No.9. P.652-656.
11. Raskil'dina G.Z., Yu.G. Borisova, N.N. Mikhailova, L.M. Mryasova, V.M. Kuznetsov, S.S. Zlotsky / Plant growth regulators based on cyclic ketals and their derivatives // *Russian Journal of Chemistry and chem. Technology*. 2017, V. 60, No. 1, P. 95-101. DOI: 10.6060/tcct.2017601.5475.
12. Yakovenko E.A., Baimurzina Yu.L., Raskil'dina G.Z., Zlotsky S.S. / Synthesis and biological activity of a series of hetero- and carbocyclic derivatives of monochloroacetic acid // *Russian J. of Applied Chemistry*. 2020. V. 93. No. 5, P. 705-713. DOI: 10.31857/S0044461820050126
13. Raskil'dina G.Z., Borisova Yu.G., Dzhumaev Sh.Sh., Zlotsky S.S. / Synthesis of cyclic derivatives of carbonyl compounds of the furan series // *Journal of General Chemistry*. 2019, V. 89, No. 12, P. 1816-1819.
14. Raskildina G.Z., Kuzmina U.Sh., Borisova Yu.G., Vakhitova Yu.V., Zlotsky S.S. Biological activity of some heterocyclic compounds based on polyol acetals and their derivatives // *Chemistry and Pharmaceutical Journal*. 2020. V.54. No. 9. P.32-36.
15. U.Sh. Kuzmina, G.Z. Raskildina, D.V. Ishmetova, G.N. Sakhabutdinova, Sh.Sh. Dzhumaev, Yu.G. Borisova. Cytotoxic activity of hererocyclic compounds containing gem-dichlorocyclopropane and/or 1,3-dioxacycloalkane fragments against SH-SY5Y cell line. *Chemical Pharmaceutical Journal*. 2021. V. 55. No. 12. P. 27-32.

I am author and co-author of 240 scientific publications including 111 articles.

I am co-inventor of 14 patents.