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Образование

2007–2012	Москва	РХТУ им. Менделеева, ВХК РАН	Красный диплом
2005–2007	Москва	Московский Химический Лицей 1303	Золотая медаль

Работа в ИБХ

2024–наст.вр.	Старший научный сотрудник
2026–2026	Доцент
2019–2024	Старший научный сотрудник

Владение языками

русский, английский

Степени и звания

2016	Кандидат наук (Химические науки, 02.00.10 — Биоорганическая химия)
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Гранты и проекты

2021– 2024	Установление интермедиатов биосинтетического пути люциферина полихет рода <i>Odontosyllis</i>
2018– 2020	Разработка методов синтеза аналогов люциферина высших грибов и изучение их фотохимических свойств

Публикации

- Iuzabchuk DA, Andrianova AA, Yampolsky IV, **Kaskova ZM**, Smirnov IV (2026). Beyond Antiviral Therapy: Untapped Potential of HIV & HCV Protease Inhibitors. *Med Res Rev* , , [10.1002/med.70040](https://doi.org/10.1002/med.70040)
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6. Stevani CV, Zamuner CK, Bastos EL, Nóbrega BB, Soares DM, Oliveira AG, Bechara EJ, Shakhova ES, Sarkisyan KS, Yampolsky IV, **Kaskova ZM** (2024). The living light from fungi. *Journal of Photochemistry and Photobiology C: Photochemistry Reviews* 58, , [10.1016/j.jphotochemrev.2024.100654](https://doi.org/10.1016/j.jphotochemrev.2024.100654)
 7. Barykin AD, Chepurnykh TV, **Osipova ZM** (2024). Deep learning in modelling the protein–ligand interaction: new pathways in drug development. *Bulletin of Russian State Medical University* (1), 49–53, [10.24075/brsmu.2024.002](https://doi.org/10.24075/brsmu.2024.002)
 8. Makhin AP, Miturich VS, Vavilov MV, Lyakhovich MS, Andrianova AA, Zagitova RI, Shmygarev VI, Fadeeva AA, Yatskin ON, Belozero OA, Tsatsakis A, Yampolsky IV, **Kaskova ZM** (2024). Improved synthesis of two quisqualic acid analogs containing hydantoin and imidazolidinone moieties. *Chem Heterocycl Compd (N Y)* 60 (5-6), 262–268, [10.1007/s10593-024-03331-1](https://doi.org/10.1007/s10593-024-03331-1)
 9. Kotlobay AA, Dubinnyi MA, Kovalchuk SI, Makhin AP, Miturich VS, Lyakhovich MS, Fontaine DM, Southworth TL, Shmygarev VI, Yatskin ON, Branchini BR, Yampolsky IV, **Kaskova ZM** (2023). Structure elucidation of *Keroplatus* (Diptera:Keroplataidae) fungus gnat oxyluciferin. *Biochem Biophys Res Commun* 676, 1–5, [10.1016/j.bbrc.2023.07.035](https://doi.org/10.1016/j.bbrc.2023.07.035)
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