Резюме: Рогожин Евгений Александрович

Адрес

Федеральное государственное бюджетное учреждение науки Институт биоорганической химии им. академиков М.М. Шемякина и Ю.А. Овчинникова Российской академии наук, Москва, Россия

Контакты

https://www.ibch.ru/ru/users/139

Образование

2000–2005	Российская Федерация, Москва	Российский государственный аграрный университет - МСХА им. К.А. Тимирязева	Диплом ученого агронома по специальности "защита растений" с отличием

Работа

2004–2005	Российская Федерация, Московская область, пос. Быково	Всероссийский Центр по карантину растений	Агроном

Работа в ИБХ

2021–наст.вр.	Старший научный сотрудник

Владение языками

русский, английский

Степени и звания

Кандидат наук (Химические науки, 02.00.10 — Биоорганическая химия)

Гранты и проекты

2025–наст.вр.	Поиск и изучение механизмов действия новых антимикробных пептидов из лекарственных и дикорастущих растений
2018–2023	Изучение антимикробных пептидов растений и грибов - биофунгицидов нового поколения
2018–2020	Сравнительный анализ антимикробных пептидов дикорастущих и культурных растений в аспекте исследования молекулярных механизмов врожденного иммунитета к биотическим стрессовым факторам

Публикации

1. Solovyeva MA, Galebskaya LV, Galkin MA, Ryumina EV, Berdichevskiy GM, Shemchuk OS, Semenova EV, Ivanova AV, Mikhel IM, **Rogozhin EA**, Vasina LV (2026). Biological effects of secretory phospholipase A2 from venoms of Gloydius blomhoffii and Gloydius halys. *Bull Exp Biol Med* 181 (2), 175–179, 10.47056/0365-9615-2026-181-2-175-179
2. Solovyeva MA, Galebskaya LV, Galkin MA, Berdichevskiy GM, Semenova EV, Mikhel IM, **Rogozhin EA**, Vasina LV (2026). THE EFFECT OF THE SECRETORY PHOSPHOLIPASES A2 FROM GLOYDIUS BLOMHOFFII AND GLOYDIUS HALYS VENOMS ON HEMOSTASIS COMPONENTS IN VITRO. *Biomed*

Khim 72 (1), 21–27, 10.18097/PBMCR1639
3. Nikanova DA, Artemyeva OA, Kolodina EN, Dovydenkova MV, Berezova KA, Михель ИМ, Barashkova AS, **Rogozhin EA** (2025). Saprophytic yeast Rhodotorula mucilaginosa: molecular identification, morphobiochemical properties and carotenoid production. *Selskokhoziaĭstvennaia Biol* 60 (6), 1126–1141, 10.15389/agrobiology.2025.6.1126eng
4. Stakheev AA, Bagdasarova PE, **Rogozhin EA**, Tikhomirova V, Popova EV, Akhmetova A, Kost OA, Kalinina NO, Taliansky ME, Zavriev SK (2025). CaP Nanoparticles Improve the Effect of dsRNA on Gene Expression, Growth, and Mycotoxin Production of Toxigenic Fusarium graminearum. *Int J Mol Sci* 26 (20), 10021, 10.3390/ijms262010021
5. Shishparenok AA, Shishparenok AN, Harr HA, Gulidova VA, **Rogozhin EA**, Markin AM (2025). The Biologically Active Compounds in Fruits of Cultivated Varieties and Wild Species of Apples. *Molecules* 30 (19), 3978, 10.3390/molecules30193978
6. Song M, Zhou Y, Li G, Barashkova AS, **Rogozhin EA**, Chang W (2025). Peptides in plant–microbe interactions: Functional diversity and pharmacological applications. *Cell Surface* 13, 100145, 10.1016/j.tcsw.2025.100145
7. Lyapina I, Ganaeva D, **Rogozhin EA**, Ryabukhina EV, Ryazantsev DY, Lazarev V, Alieva SE, Mamaeva A, Fesenko I (2025). Comparative analysis of small secreted peptide signaling during defense response: insights from vascular and non-vascular plants. *Physiol Plant* 177 (2), e70147, 10.1111/ppl.70147
8. Samarskaya VO, Koblova S, Suprunova T, **Rogozhin EA**, Spechenkova N, Yakunina S, Love AJ, Kalinina NO, Taliansky M (2025). Poly ADP-Ribosylation in a Plant Pathogenic Oomycete Phytophthora infestans: A Key Controller of Growth and Host Plant Colonisation. *J Fungi (Basel)* 11 (1), 29, 10.3390/jof11010029
9. Zhuravleva AS, Volkova EN, Yamalova NR, Barashkova AS, **Rogozhin EA**, Yuryev GO, Vertebny VE, Dubovitskaya VI, Khomyakov YV, Udalova OR, Semenov KN, Panova GG (2024). Influence Of Nanocompositions Based On Light Fullerenes On The State And Productivity Of Tomato Dwarf Forms. *Agrophysica* (4), 16–29.
10. Siqin L, Nosov AM, **Rogozhin EA**, Gontcharov AA, Ling Y (2024). Effects of malonyl-ginsenosides on cell growth and saponin accumulation of Polyscias fruticosa and Polyscias filicifolia. *Zhong Cao Yao* 55 (23), 8171–8184, 10.7501/j.issn.0253-2670.2024.23.023
11. Slavokhotova AA, Shelenkov AA, **Rogozhin EA** (2024). Computational Prediction and Structural Analysis of α-Hairpinins, a Ubiquitous Family of Antimicrobial Peptides, Using the Cysmotif Searcher Pipeline. *Antibiotics (Basel)* 13 (11), 1019, 10.3390/antibiotics13111019
12. Barashkova AS, Smirnov AN, **Rogozhin EA** (2024). Complex of Defense Polypeptides of Wheatgrass (Elytrigia elongata) Associated with Plant Immunity to Biotic and Abiotic Stress Factors. *Plants (Basel)* 13 (17), 2459, 10.3390/plants13172459
13. Panova GG, Semenov KN, Artemieva AM, **Rogozhin EA**, Barashkova AS, Kornyukhin DL, Khomyakov YV, Balashov EV, Galushko AS, Vertebnyi VE, Zhuravleva AS, Volkova EN, Shpanev AM, Udalova OR, Kanash EV (2024). Influence of Nanocompositions Based on Light Fullerene Derivatives on Cultural Plants under Favorable and Stress Conditions of Their Habitat. *TECH PHYS*+ 69 (4), 996–1009, 10.1134/S1063784224030319
14. Mizgina TO, Chikalovets IV, Bulanova TA, Molchanova VI, Filshtein AP, Ziganshin RH, **Rogozhin EA**, Shilova NV, Chernikov OV (2023). New l-Rhamnose-Binding Lectin from the Bivalve Glycymeris yessoensis: Purification, Partial Structural Characterization and Antibacterial Activity. *Mar Drugs* 22 (1), , 10.3390/md22010027
15. Barashkova AS, **Rogozhin EA** (2023). The potential of plant antimicrobial peptides for crop protection against diseases. *PPT* 106 (3), 120–136, 10.31993/2308-6459-2023-106-3-15980
16. Barashkova AS, Ryazantsev DY, Zhuravleva AS, Sharoyko VV, **Rogozhin EA** (2023). Recombinant Fusion Protein Containing Plant Nigellothionin Regulates the Growth of Food-Spoiling Fungus (Aspergillus niger). *Foods* 12 (16), 3002, 10.3390/foods12163002
17. Gavrilov SN, Barashkova AS, Cherdyntseva TA, Prokofeva MI, Tresvyatskii OV, Lukianov DA, Nikandrova AA, Haertlé T, Merkel AYu, Bonch-Osmolovskaya EA, **Rogozhin EA** (2023). Search for Novel Halophilic and Halotolerant Producers of Antimicrobial Compounds in Various Extreme Ecosystems. *Microbiology* 92 (3), 342–357, 10.1134/S0026261723600313

18. Barashkova AS, Smirnov AN, Zorina ES, **Rogozhin EA** (2023). Diversity of Cationic Antimicrobial Peptides in Black Cumin (Nigella sativa L.) Seeds. *Int J Mol Sci* 24 (9), 8066, 10.3390/ijms24098066
19. Kuvarina AE, Sukonnikov MA, **Rogozhin EA**, Serebryakova MV, Timofeeva AV, Georgieva ML, Sadykova VS (2023). Formation of Various Antimicrobial Peptide Emericellipsin Isoforms in Emericellopsos alkalina under Different Cultivation Conditions. *APPL BIOCHEM MICRO*+ 59 (2), 160–167, 10.1134/S0003683823020060
20. Ryazantsev DY, Khodzhaev EY, Kuvarina AE, Barashkova AS, **Rogozhin EA** (2023). The Antifungal and Reactivation Activities of a Novel Glycine/Histidine-Rich Linear Peptide from Dog-Grass (Elytrigia repens (L.) Desv. Ex Nevski) Ears. *APPL BIOCHEM MICRO*+ 59 (1), 41–47, 10.1134/S000368382301009X
21. Mizgina TO, Baldaev SN, Likhatskaya GN, Molchanova VI, Kokoulin MS, Filshtein AP, **Rogozhin EA**, Chikalovets IV, Isaeva MP, Chernikov OV (2023). Molecular Cloning and Characteristics of a Lectin from the Bivalve Glycymeris yessoensis. *Mar Drugs* 21 (2), 55, 10.3390/md21020055
22. Panova GG, Semenov KN, Artemieva AM, **Rogozhin EA**, Barashkova AS, Kornyukhin DL, Khomyakov YV, Balashov EV, Galushko AS, Vertebnyi VE, Zhuravleva AS, Volkova EN, Shpanev AM, Udalova OD, Kanash EV (2022). Influence of nanocompositions based on light fullerene derivatives on cultural plants under favorable and stress conditions of their habitat. *TECH PHYS*+ 92 (7), 871–884, 10.21883/TP.2022.07.54485.344-21
23. Kalina RS, Gladkikh IN, Klimovich AA, Kozhevnikova YV, Kvetkina AN, **Rogozhin EA**, Koshelev SG, Kozlov SA, Leychenko EV (2022). First Anti-Inflammatory Peptide AnmTX Sco 9a-1 from the Swimming Sea Anemone Stomphia coccinea. *Biomolecules* 12 (11), , 10.3390/biom12111705
24. Poshvina DV, Dilbaryan DS, Kasyanov SP, Sadykova VS, Lapchinskaya OA, **Rogozhin EA**, Vasilchenko AS (2022). Staphylococcus aureus is able to generate resistance to novel lipoglycopeptide antibiotic gausemycin A. *Front Microbiol* 13, 963979, 10.3389/fmicb.2022.963979
25. Buchelnikova VA, **Rogozhin EA**, Barashkova AS, Buchelnikov AS, Evstigneev MP (2022). C60 Fullerene Clusters Stabilize the Biologically Inactive Form of Topotecan. *Chem Res Toxicol* 35 (9), 1482–1492, 10.1021/acs.chemrestox.2c00071
26. Vasilchenko AS, Poshvina DV, Sidorov RY, Iashnikov AV, **Rogozhin EA**, Vasilchenko AV (2022). Oak bark (Quercus sp. cortex) protects plants through the inhibition of quorum sensing mediated virulence of Pectobacterium carotovorum. *World J Microbiol Biotechnol* 38 (11), 184, 10.1007/s11274-022-03366-6
27. Kuvarina AE, **Rogozhin EA**, Sykonnikov MA, Timofeeva AV, Serebryakova MV, Fedorova NV, Kokaeva LY, Efimenko TA, Georgieva ML, Sadykova VS (2022). Isolation and Characterization of a Novel Hydrophobin, Sa-HFB1, with Antifungal Activity from an Alkaliphilic Fungus, Sodiomyces alkalinus. *J Fungi (Basel)* 8 (7), , 10.3390/jof8070659
28. Kuvarina AE, Roshka YA, **Rogozhin EA**, Nikitin DA, Kurakov AV, Sadykova VS (2022). Antimicrobial Properties and the Effect of Temperature on the Formation of Secondary Metabolites in Psychrophilic Micromycetes. *APPL BIOCHEM MICRO*+ 58 (3), 243–250, 10.1134/S0003683822030085
29. Barashkova AS, Ryazantsev DY, **Rogozhin EA** (2022). Rational Design of Plant Hairpin-like Peptide EcAMP1: Structural–Functional Correlations to Reveal Antibacterial and Antifungal Activity. *Molecules* 27 (11), , 10.3390/molecules27113554
30. Kuvarina AE, Gavryushina IA, Sykonnikov MA, Efimenko TA, Markelova NN, Bilanenko EN, Bondarenko SA, Kokaeva LY, Timofeeva AV, Serebryakova MV, Barashkova AS, **Rogozhin EA**, Georgieva ML, Sadykova VS (2022). Exploring Peptaibol's Profile, Antifungal, and Antitumor Activity of Emericellipsin A of Emericellopsis Species from Soda and Saline Soils. *Molecules* 27 (5), , 10.3390/molecules27051736
31. **(конференция) Рогожин ЕА** (2021). НОВЫЙ КОМПЛЕКС ПРОТИВОГРИБКОВЫХ АНТИБИОТИКОВ, ПРОДУЦИРУЕМЫХ STREPTOMYCES HYGROSCOPICUS ИЗ КОЛЛЕКЦИИ НИИНА ИМ. Г.Ф. ГАУЗЕ. , , 10.19163/MedChemRussia2021-2021-156
32. **(конференция) Rogozhin EA**, Ryazantsev DY, Zavriev SK, Sadykova VS (2021). Novel hevein-like defense peptides from wild cereals. *FEBS Open Bio* 256 (S1), 384, https://doi.org/10.1002/2211-5463.13205
33. **(конференция)** Barashkova AS, Ryazantsev DY, Sadykova VS, Zavriev SK, **Rogozhin EA** (2021). Thionins from blackseed (Nigella sativa L.) with multiple activity. *FEBS Open Bio* (S1), 384, https://doi.org/10.1002/2211-5463.13205
34. Beliaev DV, Yuorieva NO, Tereshonok DV, Tashlieva II, Derevyagina MK, Meleshin AA, **Rogozhin EA**, Kozlov SA (2021). High Resistance of Potato to Early Blight Is Achieved by Expression of the Pro-SmAMP1

Gene for Hevein-Like Antimicrobial Peptides from Common Chickweed (Stellaria media). *Plants (Basel)* 10 (7), , 10.3390/plants10071395

35. Tyurin A, Alferova V, Paramonov A, Shuvalov M, Kudryakova G, **Rogozhin E**, Zherebker A, Brylev V, Chistov A, Baranova A, Birykov M, Ivanov I, Prokhorenko I, Grammatikova N, Kravchenko T, Isakova E, Mirchink E, Gladkikh E, Svirshchevskaya E, Mardanov A, Beletsky A, Kocharovskaya M, Kulyaeva V, Shashkov A, Nifantiev N, Apt A, Majorov K, Efimova S, Ravin N, Nikolaev E, Ostroumova O, Katrukha G, Lapchinskaya O, Dontsova O, Terekhov S, Osterman I, Shenkarev Z, Korshun VA (2021). Gausemycins A,B – cyclic lipoglycopeptides from Streptomyces sp. *Angew Chem Int Ed Engl* 60 (34), 18694–18703, 10.1002/anie.202104528
36. **(конференция)** Sadykova VS, Gavrushina IA, Georgieva ML, Kuvarina AE, **Rogozhin EA** (2021). Novel Antifungal Peptaibols Emericellipsins A-E with Anticancer and Antibiofilm Potential from an alkalophilic fungus Emericellopsis alkalina. *Conference Proceedlings Paper of The 1st International Electronic Conference on Antibiotics (ECA 2021)* , , doi:10.3390/ECA2021-09748
37. Kuvarina AE, Georgieva ML, **Rogozhin EA**, Kulko AB, Gavryushina IA, Sadykova VS (2021). Antimicrobial Potential of the Alkalophilic Fungus Sodiomyces alkalinus and Selection of Strains–Producers of New Antimicotic Compound. *APPL BIOCHEM MICRO*+ 57 (1), 86–93, 10.1134/S0003683821010142
38. Kuvarina AE, Gavryushina IA, Kulko AB, Ivanov IA, **Rogozhin EA**, Georgieva ML, Sadykova VS (2021). The Emericellipsins A–E from an Alkalophilic Fungus Emericellopsis alkalina Show Potent Activity against Multidrug-Resistant Pathogenic Fungi. *J Fungi (Basel)* 7 (2), 1–17, 10.3390/jof7020153
39. Barashkova AS, Sadykova VS, Salo VA, Zavriev SK, **Rogozhin EA** (2021). Nigellothionins from Black Cumin (Nigella sativa L.) Seeds Demonstrate Strong Antifungal and Cytotoxic Activity. *Antibiotics (Basel)* 10 (2), 1–15, 10.3390/antibiotics10020166
40. Solovyev MM, Kashinskaya EN, **Rogozhin EA**, Moyano FJ (2021). Seasonal changes in kinetic parameters of trypsin in gastric and agastric fish. *Fish Physiol Biochem* 47 (2), 381–391, 10.1007/s10695-020-00919-0
41. Barashkova AS, **Rogozhin EA** (2020). Isolation of antimicrobial peptides from different plant sources: Does a general extraction method exist? *Plant Methods* 16 (1), 143, 10.1186/s13007-020-00687-1
42. **Rogozhin EA**, Vasilchenko AS, Barashkova AS, Smirnov AN, Zavriev SK, Demushkin VP (2020). Peptide Extracts from Seven Medicinal Plants Discovered to Inhibit Oomycete a Causative Agent of Potato Late Blight Disease. *Plants (Basel)* 9 (10), 1–15, 10.3390/plants9101294
43. Vasilchenko AS, Julian WT, Lapchinskaya OA, Katrukha GS, Sadykova VS, **Rogozhin EA** (2020). A Novel Peptide Antibiotic Produced by Streptomyces roseoflavus Strain INA-Ac-5812 With Directed Activity Against Gram-Positive Bacteria. *Front Microbiol* 11, 556063, 10.3389/fmicb.2020.556063
44. Efimenko TA, Glukhova AA, Demiankova MV, Boykova YV, Malkina ND, Sumarukova IG, Vasilieva BF, **Rogozhin EA**, Ivanov IA, Krassilnikov VA, Efremenkova OV (2020). Antimicrobial Activity of Microorganisms Isolated from Ant Nests of Lasius niger. *Life (Basel)* 10 (6), 1–16, 10.3390/life10060091
45. **(конференция)** Beliaev DV, **Rogozhin EA**, Meleshin AA, Tereshonok DV, Derevyagina MK, Yureva NO, Tashlieva II, Djalilov FS, Voronkova EV (2020). NsD3, a Defensin from Nigella sativa, Confers High Resistance of Several Commercial Potato Varieties to Fungi and Bacteria. *In Vitro Cell Dev Biol Anim* 56 (S1), S46, https://doi.org/10.1007/s11626-020-00455-4
46. Sadykova VS, Gavryushina IA, Kuvarina AE, Markelova NN, Sedykh NG, Georgieva ML, Barashkova AC, **Rogozhin EA** (2020). Antimicrobic Activity of the Lipopeptide Emericellipsin A Isolated from Emericellopsis alkalina against Biofilm-Forming Bacteria. *APPL BIOCHEM MICRO*+ 56 (3), 292–297, 10.1134/S0003683820030102
47. Tretyakova IN, **Rogozhin EA**, Pak ME, Petukhova IA, Shuklina AS, Pahomova AP, Sadykova VS (2020). Use of Plant Antimicrobial Peptides in in vitro Embryogenic Cultures of Larix sibirica. *Biol Bull Acad Sci USSR* 47 (3), 225–236, 10.1134/S1062359020030097
48. Slavokhotova AA, **Rogozhin EA** (2020). Defense Peptides From the α-Hairpinin Family Are Components of Plant Innate Immunity. *Front Plant Sci* 11, 465, 10.3389/fpls.2020.00465
49. **(конференция) Рогожин ЕА**, Барашкова АС, Деженкова ЛГ, Садыкова ВС (2019). Антимикробные пептиды из семейства тионинов, выделенные из семян черного тмина (Nigella sativa L.), обладают цитотоксичностью по отношению к линиям опухолевых клеток in vitro. *Успехи молекулярной онкологии* 6 (S4), 158–159.

50. Pechelyulko AA, Tarakanova YN, Dmitriev DA, Massino YS, Kost VY, **Rogozhin EA**, Segal OL, Dmitriev AD (2019). Comparative Analysis of the Efficiency of Chicken and Rabbit Antibodies in Competitive Enzyme Linked Immunoassay for the Detection of Bovine Beta-Casomorphin 7. *APPL BIOCHEM MICRO+* 55 (6), 704–710, 10.1134/S0003683819060103
51. **Rogozhin EA**, Solovyev MM, Frolova TV, Izvekova GI (2019). Isolation and partial structural characterization of new Kunitz-type trypsin inhibitors from the pike cestode Triaenophorus nodulosus. *Mol Biochem Parasitol* 233, 111217, 10.1016/j.molbiopara.2019.111217
52. Timofeev S, Mitina G, **Rogozhin E**, Dolgikh V (2019). Expression of spider toxin in entomopathogenic fungus Lecanicillium muscarium and selection of the strain showing efficient secretion of the recombinant protein. *FEMS Microbiol Lett* 366 (14), , 10.1093/femsle/fnz181
53. **(конференция) Rogozhin EA** (2019). Diversity of proline/hydroxyproline-rich glycopeptides from dandelion (Taraxacum officinale) flowers with high specific antimicrobial activity against pigment-generating plant pathogenic fungi. *FEBS Open Bio* 9 (S1), 311, https://doi.org/10.1002/2211-5463.12675
54. **(конференция)** Beliaev DV, **Rogozhin EA**, Tereahonok DV, Derevyagina MK, Yureva NO, Voronkova EV (2019). Expression of a Nigella sativa Defensin in Potato for Improved Resistance to Early Blight. *In Vitro Cell Dev Biol Anim* 55 (S1), S56, 10.1007/s11626-019-00345-4
55. Belova MM, Shipunova VO, Kotelnikova PA, Babenyshev AV, **Rogozhin EA**, Cherednichenko MY, Deyev SM (2019). «Green» Synthesis of Cytotoxic Silver Nanoparticles Based on Secondary Metabolites of Lavandula Angustifolia Mill. *Acta Naturae* 11 (2), 47–53, 10.32607/20758251-2019-11-2-47-53
56. Vasilchenko AS, **Rogozhin EA** (2019). Sub-inhibitory Effects of Antimicrobial Peptides. *Front Microbiol* 10 (MAY), 1160, 10.3389/fmicb.2019.01160
57. Efremenkova OV, Gabrielyan NI, Malanicheva I, Demiankova M, Efimenko T, **Rogozhin EA**, Sharapchenko S, Krupenio T, Davydov D, Kornilov M (2019). Antimicrobial Properties of the Probiotic Strain Bacillus Subtilis 534. *International Archives of Medical Microbiology* (2), 008.
58. Timofeev S, Tsarev A, Senderskiy I, **Rogozhin E**, Mitina G, Kozlov S, Dolgikh V (2019). Efficient transformation of the entomopathogenic fungus Lecanicillium muscarium by electroporation of germinated conidia. *Mycoscience* 60 (3), 197–200, 10.1016/j.myc.2019.02.010
59. Ryazantsev DY, **Rogozhin EA**, Tsvetkov VO, Yarullina LG, Smirnov AN, Zavriev SK (2019). Diversity of Harpin-Like Defense Peptides from Barnyard Grass (Echinochloa crusgalli L.) Seeds. *Dokl Biochem Biophys* 484 (1), 6–8, 10.1134/S1607672919010022
60. **Rogozhin EA**, Vorobeva LI, Khodzhaev EY, Gerasimov ES (2019). Optimized Fractioning and Structure Analysis of the Reactivating Factor from Luteococcus japonicus subsp. casei. *Microbiology* 88 (2), 132–136, 10.1134/S0026261719020097
61. Baranova AA, **Rogozhin EA**, Georgieva ML, Bilanenko EN, Kulko AB, Yakushev AV, Alferova VA, Sadykova VS (2019). Antimicrobial Peptides Produced by Alkaliphilic Fungi Emericellopsis alkalina: Biosynthesis and Biological Activity Against Pathogenic Multidrug-Resistant Fungi. *APPL BIOCHEM MICRO+* 55 (2), 145–151, 10.1134/S0003683819020030
62. Alferova VA, Shuvalov MV, Suchkova TA, Proskurin GV, Aparin IO, **Rogozhin EA**, Novikov RA, Solyev PN, Chistov AA, Ustinov AV, Tyurin AP, Korshun VA (2018). 4-Chloro-l-kynurenine as fluorescent amino acid in natural peptides. *Amino Acids* 50 (12), 1697–1705, 10.1007/s00726-018-2642-3
63. Alferova VA, Novikov RA, Bychkova OP, **Rogozhin EA**, Shuvalov MV, Prokhorenko IA, Sadykova VS, Kulko AB, Dezhenkova LG, Stepashkina EA, Efremov MA, Sineva ON, Kudryakova GK, Peregudov AS, Solyev PN, Tkachev YV, Fedorova GB, Terekhova LP, Tyurin AP, Trenin AS, Korshun VA (2018). Astolides A and B, antifungal and cytotoxic naphthoquinone-derived polyol macrolactones from Streptomyces hygroscopicus. *Tetrahedron* 74 (52), 7442–7449, 10.1016/j.tet.2018.11.015
64. **Rogozhin E**, Zalevsky A, Mikov A, Smirnov A, Egorov T (2018). Characterization of Hydroxyproline-Containing Hairpin-Like Antimicrobial Peptide EcAMP1-Hyp from Barnyard Grass (Echinochloa crusgalli L.) Seeds: Structural Identification and Comparative Analysis of Antifungal Activity. *Int J Mol Sci* 19 (11), , 10.3390/ijms19113449
65. **Rogozhin EA**, Sadykova VS, Baranova AA, Vasilchenko AS, Lushpa VA, Mineev KS, Georgieva ML, Kulko AB, Krasheninnikov ME, Lyundup AV, Vasilchenko AV, Andreev YA (2018). A Novel Lipopeptaibol Emericellipsin A with Antimicrobial and Antitumor Activity Produced by the Extremophilic Fungus. *Molecules*

23 (11), , 10.3390/molecules23112785
66. Vasilchenko AS, Gritsenko VA, Kosyan DB, **Rogozhin EA** (2018). A Low-Molecular-Weight Compound Derived from Human Leukocytes Determines a Bactericidal Activity of the Interferon Preparation. *Probiotics Antimicrob Proteins* 11 (3), 999–1008, 10.1007/s12602-018-9463-2
67. **Rogozhin E**, Ryazantsev D, Smirnov A, Zavriev S (2018). Primary Structure Analysis of Antifungal Peptides from Cultivated and Wild Cereals. *Plants (Basel)* 7 (3), , 10.3390/plants7030074
68. Vasilchenko AS, Vasilchenko AV, Valyshev AV, **Rogozhin EA** (2018). A Novel High-Molecular-Mass Bacteriocin Produced by Enterococcus faecium: Biochemical Features and Mode of Action. *Probiotics Antimicrob Proteins* 10 (3), 427–434, 10.1007/s12602-018-9392-0
69. **(конференция) Rogozhin EA**, Sendersky I, Dolgikh VV (2018). Thionins from black cumin (Nigella sativa L.) as novel insectotoxins. *FEBS Open Bio* 8 (S1), , https://doi.org/10.1002/2211-5463.12453
70. **(конференция)** Beliaev DV, **Rogozhin EA**, Meleshin AA, Tereshonok DV, Derevyagina MK, Yureva NO (2018). Use of Wild Plant AMP Genes to Improve Resistance of Crops to Microbial Pathogens. *In Vitro Cell Dev Biol Anim* 54 (S1), S32, https://doi.org/10.1007/s11626-018-0252-8
71. **(книга)** Tyurin AP, Efimenko TA, Prokhorenko IA, **Rogozhin EA**, Malanicheva IA, Zenkova VA, Efremenkova OV, Korshun VA (2018). Amicoumacins and Related Compounds: Chemistry and Biology. *Studies in Natural Products Chemistry* 55, 385–441, 10.1016/B978-0-444-64068-0.00012-7
72. **Rogozhin EA**, Smirnov AN (2018). Antibiotic Potential of Defense Peptides Derived from the Seeds of a Wild Grass - Barnyard Grass (Echinochloa crusgalli L.). *Antibiot Med Biotekhnol* 63 (34), 8–11.
73. Vasilchenko AS, Vasilchenko AV, Pashkova TM, Smirnova MP, Kolodkin NI, Manukhov IV, Zavilgelsky GB, Sizova EA, Kartashova OL, Simbirtsev AS, **Rogozhin EA**, Duskaev GK, Sycheva MV (2017). Antimicrobial activity of the indolicidin-derived novel synthetic peptide In-58. *J Pept Sci* 23 (12), 855–863, 10.1002/psc.3049
74. Baranova AA, Georgieva ML, Bilanenko EN, Andreev YA, **Rogozhin EA**, Sadykova VS (2017). Antimicrobial potential of alkalophilic micromycetes Emericellopsis alkalina. *APPL BIOCHEM MICRO*+ 53 (6), 703–710, 10.1134/S0003683817060035
75. Vorobeva LI, **Rogozhin EA**, Khodzhaev EY, Volodyashkin RA, Samoilenko VA (2017). Characterization and stress-protective action of Saccharomyces cerevisiae extracellular peptide factors on propionic acid bacteria. *Microbiology* 86 (6), 698–707, 10.1134/S0026261717060157
76. **Рогожин ЕА**, Кисиль ОВ, Чертаев ИВ, Завриев СК (2017). Характеристика белково-пептидного экстракта семян мари белой (Chenopodium album L.): изучение компонентного состава, антимикробных и анальгетических свойств. *Antibiot Med Biotekhnol* 62 (9), 3–8.
77. **(конференция) Rogozhin EA** (2017). Identification of hydroxyproline-containing hairpin-like peptide EcAMP1 from barnyard grass (Echinochloa crusgalliL.) seeds: structure determination and comparative functional analysis. *Protein Sci* 26 (S1), 144–145, https://doi.org/10.1002/pro.3349
78. Vasilchenko AS, Smirnov AN, Zavriev SK, Grishin EV, Vasilchenko AV, **Rogozhin EA** (2017). Novel Thionins from Black Seed (Nigella sativa L.) Demonstrate Antimicrobial Activity. *Int J Pept Res Ther* 23 (2), 171–180, 10.1007/s10989-016-9549-1
79. Vasilchenko AS, **Rogozhin EA**, Valyshev AV (2017). Purification of a Novel Bacteriocin-Like Inhibitory Substance Produced by Enterococcus faecium ICIS 8 and Characterization of Its Mode of Action. *Microb Drug Resist* 23 (4), 447–456, 10.1089/mdr.2016.0069
80. Slavokhotova AA, Shelenkov AA, Korostyleva TV, **Rogozhin EA**, Melnikova NV, Kudryavtseva AV, Odintsova TI (2017). Defense peptide repertoire of Stellaria media predicted by high throughput next generation sequencing. *Biochimie* 135, 15–27, 10.1016/j.biochi.2016.12.017
81. **Rogozhin EA**, Kisil OV, Cheretaev V, Zavriev SK (2017). Characterization of protein and peptide extract from lamb's quarters' (Chenopodium album L.) Seeds: Studying of composition, antimicrobial and analgesic properties. *Antibiot Med Biotekhnol* 62 (910), 3–8.
82. Vasilchenko AS, **Rogozhin EA**, Vasilchenko AV, Kartashova OL, Sycheva MV (2016). Novel haemoglobin-derived antimicrobial peptides from chicken (Gallus gallus) blood: purification, structural aspects and biological activity. *J Appl Microbiol* 121 (6), 1546–1557, 10.1111/jam.13286
83. Istomina EA, Korostyleva TV, Rozhnova NA, **Rogozhin EA**, Pukhalskiy VA, Odintsova TI (2016). Genes encoding hevein-like antimicrobial peptides WAMPs: Expression in response to phytohormones and environmental factors. *Russ J Genet* 52 (11), 1176–1185, 10.1134/S1022795416110053

84. Vasilchenko AS, Yuryev M, Ryazantsev DY, Zavriev SK, Feofanov AV, Grishin EV, **Rogozhin EA** (2016). Studying of cellular interaction of hairpin-like peptide EcAMP1 from barnyard grass (Echinochloa crusgalli L.) seeds with plant pathogenic fungus Fusarium solani using microscopy techniques. *Scanning* 38 (6), 591–598, 10.1002/sca.21305
85. Lapchinskaya OA, Katrukha GS, Gladkikh EG, Kulyaeva VV, Coodan PV, Topolyan AP, Alferova VA, Pogozheva VV, Sukonnikov MA, **Rogozhin EA**, Prokhorenko IA, Brylev VA, Korolev AM, Slyundina MS, Borisov RS, Serebryakova MV, Shuvalov MV, Ksenofontov AL, Stoyanova LG, Osterman IA, Formanovsky AA, Tashlitsky VN, Baratova LA, Timofeeva AV, Tyurin AP (2016). Investigation of the complex antibiotic INA-5812. *Russ. J. Bioorganic Chem.* 42 (6), 664–671, 10.1134/S1068162016060078
86. **(конференция) Rogozhin EA** (2016). Studies of the Specificity of the Antifungal Activity of Glycopeptides of Flowers of Dandelion (Taraxacum officinale Wigg.). *Achievements in the Life Sciences* 10 (S42), , https://doi.org/10.1016/j.als.2016.12.041
87. Topolyan AP, Belyaeva MA, Bykov EE, Coodan PV, **Rogozhin EA**, Strizhevskaya DA, Ivanova OM, Ustinov AV, Mikhura IV, Prokhorenko IA, Korshun VA, Formanovsky AA (2016). Derivatization of Aminoglycoside Antibiotics with Tris(2,6-dimethoxyphenyl)carbenium Ion. *Acta Naturae* 8 (3), 128–135, 10.32607/20758251-2016-8-3-128-135
88. **(конференция) Rogozhin EA**, Zaytsev DV (2016). A synergistic effect of two plant antimicrobial peptides from defensin and lipid-transfer protein families towards Phytophthora infestans. *Phytopathology* 106 (12S), S41–S4163, 10.1094/PHYTO-106-12-S4.1
89. Vorobeva LI, Khodzhaev EY, **Rogozhin EA**, Cherdyntseva TA, Netrusov AI (2016). Characterization of extracellular yeast peptide factors and their stress-protective effect on probiotic lactic acid bacteria. *Microbiology* 85 (4), 411–419, 10.1134/S0026261716040160
90.