

Избранные публикации официального оппонента **Ярослава Александра Анатольевича**, доктора химических наук, профессора, член-корреспондента, заведующего кафедрой высокомолекулярных соединений Химического факультета Федерального государственного бюджетного образовательного учреждения высшего образования «Московский государственный университет имени М.В. Ломоносова».

1. Zolotova A.S., Microgels based on carboxymethylcellulose as multifunctional carriers for immobilization of inhibitor and activator of inducible NO synthase / A.S. Zolotova, M.A. Orlova, V.V. Spiridonov, T.P. Trofimova, A.Yu Lupatov, **A.A. Yaroslavov**, S.N. Kalmykov // Russian Chemical Bulletin. – 2025. – Vol. 74. – № 1. – P. 252-255.
2. Kiushov A.A. The key role of the polycation in the mechanical resistance of wet kaolinite modified with interpolyelectrolyte complexes / A.A. Kiushov, I.G. Panova, V.S. Molchanov, M. S. Arzhakov, O.E. Philippova, **A.A. Yaroslavov** // Colloids and Surfaces A: Physicochemical and Engineering Aspects. – 2025. – Vol. 704. – P. 135473.
3. Grigoryan I.V. New Magnetic Colloidal Systems Based on Biomimetic Polycomplexes / I.V. Grigoryan, V.V. Spiridonov, A.M. Adelyanov, Yu A. Koksharov, K.V. Potapenkov, I.V. Taranov, G.B. Khomutov, **A.A. Yaroslavov** // Moscow University Chemistry Bulletin. – 2024. – Vol. 79. – № 3. – P. 170-174.
4. Novoskoltseva O.A. Polycomplexes to modulate bactericidal activity of cetylpyridinium bromide / O.A. Novoskoltseva, D.G. Sinelnikova, N.G. Loiko, Y.A. Nikolaev, **A.A. Yaroslavov** // Mendeleev Communications. – 2024. – Vol. 34. – № 3. – P. 369-371.
5. Lokova A.Yu. Molecular weight of polyanion affects the biological activity of interpolycomplexes / A. Yu. Lokova, A.Yu Rosova, I.G. Panova, N.G. Loiko, Y.A. Nikolaev, **A.A. Yaroslavov** // Mendeleev Communications. – 2024. – Vol. 34. – № 1. – P. 97-99.
6. Sedenkova K.N. Verubulin (Azixa) Analogues with Increased Saturation: Synthesis, SAR and Encapsulation in Biocompatible Nanocontainers Based on Ca<sup>2+</sup> or Mg<sup>2+</sup> Cross-Linked Alginate / K.N. Sedenkova, D.N. Leschukov, Y.K. Grishin, N.A. Zefirov, Y.A. Gracheva, D.A. Skvortsov, Y.S. Hrytseniuk, L.A. Vasilyeva, E.A. Spirkova, P.N. Shevtsov, E.F. Shevtsova, A.R. Lukmanova, V. V. Spiridonov, A.A. Markova, M.T. Nguyen, A.A. Shtil, O.N. Zefirova, **A.A. Yaroslavov**, E.R. Milaeva, E.B. Averina // Pharmaceuticals. – 2023. – Vol. 16. – № 10. – P. 1499.
7. Glagoleva A.A. Computer Simulation Insight into the Adsorption and Diffusion of Polyelectrolytes on Oppositely Charged Surface / A.A. Glagoleva, **A.A. Yaroslavov**, V.V. Vasilevskaya // Polymers. – 2023. – Vol. 15. – № 13. – P. 2845.
8. Orlova M.A. In vivo behavior of carboxymethylcellulose based microgels containing <sup>67</sup>Cu / M.A. Orlova, V.V. Spiridonov, G.A. Badun, T.P. Trofimova, A.P. Orlov, A.S. Zolotova, A.B. Priselkova, G.Yu. Aleshin, M.G. Chernysheva, **A.A. Yaroslavov**, S.N. Kalmykov // Mendeleev Communications. – 2022. – Vol. 32. – № 5. – P. 658-660.
9. Orlova M.A. Complexes of carboxymethylcellulose with Cu<sup>2+</sup>-ions as a prototype of antitumor agent / M.A. Orlova, V.V. Spiridonov, A.P. Orlov, N.S. Zolotova, A.Yu. Lupatov, T.P. Trofimova, S.N. Kalmykov, **A.A. Yaroslavov** // Colloids and Surfaces A: Physicochemical and Engineering Aspects. – 2022. – Vol. 632. – P. 127814.
10. Panova I.G. Temperature-induced unloading of liposomes bound to microgels / I.G. Panova, E.A. Sudareva, O.A. Novoskoltseva, V.V. Spiridonov, M.I. Shtilman, W. Richtering, **A.A.**

**Yaroslavov** // Colloids and Surfaces A: Physicochemical and Engineering Aspects. – 2021. – Vol. 630. – № 5. – P. 127590.

11. Spiridonov V.V. Doxorubicin Loaded Magnetosensitive Water-Soluble Nanogel Based on NIPAM and Iron (3+) Containing Nanoparticles / V.V. Spiridonov, I.G. Panova, V.S. Kusaia, L.E. Makarova, M.Y. Romodina, A.A. Fedyanin, N.V. Pozdnyakova, A. Shibaeva, S.B. Zezin, A.V. Sybachin, **A.A. Yaroslavov** // Macromolecular Symposia. – 2020. – Vol. 389. – № 1. – P. 1900072.

12. Spiridonov V.V. Hybrid nanocomposites of carboxymethyl cellulose cross-linked by in-situ formed Cu<sub>2</sub>O nanoparticles for photocatalytic applications / V.V. Spiridonov, X.Y. Liu, S.B. Zezin, I.G. Panova, A.V. Sybachin, **A.A. Yaroslavov** // Journal of Organometallic Chemistry. – 2020. – Vol. 914. – P. 121180.