



ISSN:1026-3500

# Russian Chemical Bulletin



Volume 75, Issue 2

February 2026

25 articles in this issue

---

**Tertiary phosphines as organocatalysts for the reactions of electron-deficient alkenes, alkynes, and allenes**

Reviews | 11 April 2026 | Pages: 401 - 441

---

**Methods for the construction of [1,2,4]triazolo[1,5-a]pyrimidin-7(4H)-ones**

Reviews | 11 April 2026 | Pages: 442 - 451

---

**Adsorption properties of active carbon from macadamia nut shells**

Full Articles | 11 April 2026 | Pages: 452 - 463

---

**Photoelectrochemical properties of composites based on graphitic carbon nitride and graphene oxide or reduced graphene oxide**

Full Articles | 11 April 2026 | Pages: 464 - 475

---

**Resonant electron capture by 5-fluorouracil and 5-fluoro-2'-deoxyuridine molecules**

Full Articles | 11 April 2026 | Pages: 476 - 484

---

**Biological properties and thermal stability of Ag-substituted hydroxyapatite obtained *via* mechanochemical synthesis**

Full Articles | 11 April 2026 | Pages: 485 - 495

---

**Bis(aza-18-crown-6)-containing dibenzylidenecyclobutanone: structure and photonics of its supramolecular complexes with alkanediammonium ions**

**Synthesis, structure, and complexation properties of an 18-crown-6-containing butadienyl dye of the pyridin-1-ium-4-yl series**

Full Articles | 11 April 2026 | Pages: 514 - 532

---

**A new strategy for the design of macrocycles containing tetrahydrofuran pharmacophores with anticancer activity**

Full Articles | 11 April 2026 | Pages: 533 - 540

---

**Germlyenes and stannylenes based on amino bisphenols: synthesis, molecular and electronic structure**

Full Articles | 11 April 2026 | Pages: 541 - 549

---

**Reactions of chalcone with imino- $\lambda^3$ -iodanes under oxidative conditions**

Full Articles | 11 April 2026 | Pages: 550 - 558

---

**1*H*-Imidazole-2-diazonium salts in the synthesis of new benzo[e]imidazo[2,1-*c*][1,2,4]triazin-6-ols**

Full Articles | 11 April 2026 | Pages: 559 - 566

---

**Synthesis and biological activity of *N,N*-dimethylpropylenediamine derivatives containing a cyclic acetal or *gem*-dichlorocyclopropane fragment**

Full Articles | 11 April 2026 | Pages: 567 - 571

---

**One-pot synthesis of 2-amino-2*H*-chromenes from sulfur-containing products of the Biginelli reaction involving salicylaldehydes**

Full Articles | 11 April 2026 | Pages: 572 - 579

---

**Synthesis of (*Z*)-4-arylidene-2-aryloxazol-5(4*H*)-ones and their activity against Vaccinia virus**

Full Articles | 11 April 2026 | Pages: 580 - 586

---

**Synthesis and investigation of the anthelmintic activity of substituted sodium 5-aryl-1-cyano-3-[3-(ethoxycarbonyl)thiophen-2-yl]amino}-5-oxopenta-1,3-dien-2-olates**

Full Articles | 11 April 2026 | Pages: 587 - 593

---

**Guanidinium aryl(oxy)(sulfanyl)(sulfonyl)acetates. Synthesis, structure, and analysis of biological activity**

Full Articles | 11 April 2026 | Pages: 594 - 600

---

**Synthesis of functionalized 1,2-bis(phosphoryl)propanes and their analogs**

Full Articles | 11 April 2026 | Pages: 601 - 608

---

**Non-catalytic methylthiolation of perhalogenated 1,3,5-triazidobenzenes to 1,3,5-triazido-2,4,6-tris(methylthio)benzene**

Full Articles | 11 April 2026 | Pages: 609 - 615

---

**Water-soluble polymer compositions of methyl pheophorbide a based on thermosensitive copolymers of *N*-isopropylacrylamide with triethylene glycol dimethacrylate**

Full Articles | 11 April 2026 | Pages: 616 - 635

---

**Study of the specific features of the synthesis of 2,2-bis(4-aminophenyl)adamantane for obtaining optically transparent polyimides**

Full Articles | 11 April 2026 | Pages: 636 - 642

---

**Extraction, characterization, and carboxymethylation of hemicelluloses from the lignopolysaccharide complex of spruce wood greenery**

Full Articles | 11 April 2026 | Pages: 643 - 652

---

**Introduction of deuterium into 2,3-dimethoxy-5-methyl-*p*-benzoquinone analogues containing serotonin and dopamine**

Full Articles | 11 April 2026 | Pages: 653 - 660

---

**Spin-labeled fenofibrate: synthesis and interaction with lipid membranes**

Full Articles | 11 April 2026 | Pages: 661 - 666

---

**Unexpected formation of bicyclo[3.2.0]heptane derivatives in the reaction of 2,3,5-trichloro-4,4-ethylenedioxcyclopent-4-en-1-one with alkyl acrylates under the standard conditions for the Heck reaction**

Brief Communications | 11 April 2026 | Pages: 667 - 670

---