

Списък на публикациите
на гл. ас. д-р Надежда Маркова, лаб. „СОА“, ИОХЦФ-БАН

1. **Н. Маркова**, В. Енчев
“Ab initio предсказване на “редки” тавтомерни форми на 5-флуороурацил във водна среда”
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2. **N. Markova**, V. Enchev
“Water-assisted proton transfer in formamide, thioformamide and selenoformamide”
Journal of Molecular Structure (THEOCHEM) 679 (2004) 195-205 IF=2.011 **Q2**
3. S. Angelova, V. Enchev, **N. Markova**, P. Denkova, K. Kostova
“Ab initio study of 2,4-substituted azolidines. I. Tautomerism”
Journal of Molecular Structure (THEOCHEM) 711 (2004) 201-207 IF=2.011 **Q2**
4. **N. Markova**, V. Enchev, I. Timtcheva
“Oxo-hydroxy tautomerism of 5-fluorouracil: water-assisted proton transfer”
Journal of Physical Chemistry A 109 (2005) 1981-1988 IF=2.836 **Q1**
5. V. Enchev, **N. Markova**, S. Angelova
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6. V. Enchev, M. Rogojerov, S. Angelova, **N. Markova**
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8. V. Enchev, **N. Markova**, S. Angelova
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9. V. Enchev, S. Angelova, **N. Markova**, I. Wawer, E. Stanoeva, M. Mitewa
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10. M. Simeonova, G. Ivanova, V. Enchev, **N. Markova**, M. Kamburov, C. Petkov, A. Devery, R. O'Connor, D.F. Brougham
“Physicochemical characterization and in vitro behavior of Daunorubicin-loaded poly(butyl-

cyanoacrylate) nanoparticles”

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11. **N. Markova**, V. Enchev, G. Ivanova

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12. **N. Markova**, G. Ivanova, V. Enchev, M. Simeonova

“Tacticity of poly(butyl-alpha-cyanoacrylate) chains in nanoparticles: NMR spectroscopy and DFT calculations”

Structural Chemistry 23 (2012) 815– 824 IF= 2.019

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13. V. Enchev, V. Monev, **N. Markova**, M. Rogozherov, S. Angelova, M. Spassova

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Computational and Theoretical Chemistry 1006 (2013) 113-122, IF= 1.443

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14. V. Enchev, **N. Markova**, M. Stoyanova, P. Petrov, M. Rogozherov, N. Kuchukova, I. Timtcheva, V. Monev, S. Angelova, M. Spassova

“Excited state proton transfer in 3,6-bis(4,5-dihydroxyoxazo-2-yl)benzene-1,2-diol”

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“Synthesis of 3',4'-dihydro-2*H*,2'*H*,5*H*-spiro[imidazolidine-4,1'-naphthalene]-2,5-dione and its derivatives”

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16. **N. Markova***, D. Batovska, E. Kozuharova, V. Enchev

“Anti-conjunctivitis effect of fresh juice of *xGraptoveria* (Crassulaceae) – a phytochemical and ethnobotanical study”

Journal of Intercultural Ethnopharmacology 4(1) (2015) 24-28 **SJR 6e3 IF**

17. **N. Markova**, L. Pejov, V. Enchev

“A hybrid statistical mechanics – quantum chemical model for proton transfer in 5-azauracil and 6-azauracil in water solution”

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“Synthesis, characterization, theoretical calculations and antimicrobial studies of substituted 3-aminocyclohexanespiro-5hydantoins”
Agricultural Sciences Journal 8 (2016) 117-122.

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“Hybrid MC/QC simulations of water-assisted proton transfer in nucleosides. Guanosine and its analogue acyclovir”
Journal of Biomolecular Structure and Dynamics 35 (2017) 1168–1188
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22. B.M. Stoykova, M.G. Chochkova, D. Stoilov, G. Ivanova, **N. Markova**, V. Enchev, I. Tsvetkova, H. Najdenski, M. Štícha, Ts. Milkova
“Ultrasound-assisted green bromination of *N*-cinnamoyl amino acid amides - structural characterization and antimicrobial evaluation”
Journal of Molecular Structure 1135 (2017) 144-152 IF= 2.011 5IF= 1.784 **Q3**
23. V. Enchev, **N. Markova**, M. Marinov, N. Stoyanov, M. Rogojerov, A. Ugrinov, I. Wawer, D.M. Pisklak
„2-Methylthio-imidazolins – a rare case of different tautomeric forms in solid state and in solution“
Structural Chemistry 28(3) (2017) 757-772 IF= 2.019 5IF= 1.526 **Q2**
24. M. N. Marinov, S. M. Bakalova, R. Y. Prodanova, **N. V. Markova***
“Conformational and spectral properties of newly synthesized compounds obtained by reaction of alrestatin with 3-aminocycloalkanespiro-5-hydantoins”
Bulgarian Chemical Communications 49 (2017) 146 –152 IF=0.242 5IF= 0.322 **Q4**
25. **N. Markova***, A. Georgieva, I. Philipova, I. Angelov, V. Enchev, A. Kril
“Cytotoxicity assay and intracellular localization of 2-carbamido-1,3-indandione in Balb/c 3T3 cells”
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26. S. M. Bakalova, J. Kaneti, **N. Markova**
“Computational study of exo-selective Diels-Alder cycloadditions, catalyzed by aluminum chloride”
Bulgarian Chemical Communications 49 (2017) 195 – 200 IF=0.242 5IF=0.322 **Q4**
27. V. Enchev, N. Gadjev, I. Angelov, S. Minkovska, A. Kurutos, **N. Markova**, T. Deligeorgiev
“Green synthesis, structure and fluorescence spectra of new azacyanine dyes”
Journal of Molecular Structure 1147 (2017) 380-387 IF= 2.011 5IF= 1.784 **Q3**
28. P. Genova-Kalu, **N. V. Markova**, D. Batovska, I. Dincheva, I. Badjakov, V. Enchev, D. Pencheva, S. Ivanova
„In vitro anti-herpes simplex virus effect of an aqueous leaf extract of the succulent plant *Graptopetalum paraguayense* E. Walther“

Сборник научни трудове „XV Национален конгрес по клинична микробиология и инфекции на Българската Асоциация на Микробиолозите“ (2017) 4 Инфекции с епидемичен риск, №48, 73-74.

29. **N. Markova**, V. Enchev
 “Tautomerism of Inosine in Water: Is It Possible?”
Journal of Physical Chemistry B 123 (2019) 622-630 IF= 3.146 **Q1**

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Anti-Cancer Agents in Medicinal Chemistry 19 (2019) 1276-1284 IF= 2.556 **Q3**

31. **N. V. Markova**, M. I. Rogojerov, V. T. Angelova, N. G. Vassilev
 „Experimental and theoretical conformational studies of hydrazine derivatives bearing a chromene scaffold“
Journal of Molecular Structure 1198, (2019) 126880. IF=2.12 **Q3**

32. M. M. Zaharieva, P. Genova-Kalou, I. Dincheva, I. Badjakov, S. Krumova , V. Enchev, H. Najdenski, **N. Markova***
 “Anti-Herpes Simplex Virus and antibacterial activities of *Graptopetalum paraguayense* E. Walther leaf extract: a pilot study”
Biotechnology & Biotechnological Equipment 33 (2019) 1251-1259. IF=1.09 **Q3**

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