

СПИСЪК НА ВСИЧКИ ПУБЛИКАЦИИ

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A. Реферирани научни списания

1. **Anife Ahmedova***, Petja Marinova, Katarzyna Paradowska, Georgi Tyuliev, Marin Marinov, Neyko Stoyanov, Spectroscopic study on the solid state structure of Pt(II) complexes of cycloalkanespiro-5-(2,4-dithiohydantoin)s, *Bulg. Chem. Comm.*, **56**, Special Issue (2024) in press; OPEN ACCESS
2. **Anife Ahmedova***, Gordana Pavlović, Marin Marinov, Joana Zaharieva, Neyko Stoyanov, Crystal structure, tautomerism and photostability of 2-(2-pyridyl)-phenalene-1,3-dione, *Journal of Molecular Structure*, 1303 (2024) 137605, 8 pages. (IF₂₀₂₃ = 4.0); <https://doi.org/10.1016/j.molstruc.2024.137605> (Q2 2023) OPEN ACCESS
3. **Anife Ahmedova***, Rositsa Mihaylova, Silviya Stoykova, Veronika Mihaylova, Nikola Burdzhiev, Viktoria Elincheva, Georgi Momekov, Denitsa Momekova, Pyrenebutyrate Pt(IV) complexes with nanomolar anticancer activity, *Pharmaceutics*, 15 (2023) 2310, 17 pages. (IF₂₀₂₃ = 4.9); <https://doi.org/10.3390/pharmaceutics15092310> (Q1) OPEN ACCESS
4. Yordan Stremiski*, Maria Bachvarova, Stela Statkova-Abeghe, Plamen Angelov, Iliyan Ivanov, **Anife Ahmedova**, Anna Dołęga, Synthesis and crystal structure of ferrocenyl benzothiazole derivatives, *J. Organometallic chemistry*, 1001 (2023) 122871, 6 pages. (IF₂₀₂₃ = 2.1); <https://doi.org/10.1016/j.jorganchem.2023.122871> (Q3) OPEN ACCESS

5. Yulian Zagranyski, Diana Valentinova Cheshmedzhieva, Monika Mutovska, **Anife Ahmedova**, Stanimir Stoyanov*, Dioxepine-Peri-Annulated PMIs—Synthesis and Spectral and Sensing Properties, *Sensors*, 23 (2023) 2902, 15 pages. (IF₂₀₂₃ = 3.4); **(Q1)** <https://doi.org/10.3390/s23062902> OPEN ACCESS
6. Petja Marinova, Stoyanka Nikolova, Anna Dołęga, **Anife Ahmedova***, N-(2-Benzoyl-4,5-dimethoxyphenethyl)-2-phenylacetamide, *Molbank*, 2022, 2022 (2) M1376, 6 pages. (IF₂₀₂₂ = 0.6); <https://doi.org/10.3390/M1376> **(Q4)** OPEN ACCESS
7. **Anife Ahmedova***, Gordana Pavlović, Marin Marinov, Petja Marinova, Georgi Momekov, Katarzyna Paradowska, Stanislava Yordanova, Stanimir Stoyanov, Nikolay Vassilev, Neyko Stoyanov, Synthesis and anticancer activity of Pt(II) complexes of spiro-5-substituted 2,4-dithiohydantoin, *Inorganica Chimica Acta*, 528 (2021) 120605, 10 pages. (IF₂₀₂₁ = 3.118); <https://doi.org/10.1016/j.ica.2021.120605> **(Q2)** OPEN ACCESS
8. Yordan Stremiski, **Anife Ahmedova***, Anna Dołęga, Stela Statkova-Abeghe*, Desislava Kirkova, Study of the oxidation step in the preparation of benzocamalexin – crystallographic evidence, *Mendeleev Communications*, 31 (2021) 824–826. (IF₂₀₂₁ = 1.837); <https://doi.org/10.1016/j.mencom.2021.11.018> **(Q3)**
9. **Anife Ahmedova***, Rositsa Mihaylova, Silviya Stoykova, Veronika Mihaylova, Tsvetelina Paunova-Krasteva, Lyuben Mihaylov, Stoyanka Stoitsova, Diana Nihtianova, Georgi Momekov, Denitsa Momekova, Michito Yoshizawa, Enhanced cellular uptake of platinum by a tetracationic Pt(II) nanocapsule and its implications to cancer treatment, *European Journal of Pharmaceutical Sciences*, 155 (2020) 105545; 9 pages. (IF₂₀₂₀ = 4.384); **(Q1)**, <https://doi.org/10.1016/j.ejps.2020.105545>
10. Nikola Burdzhiev*, **Anife Ahmedova***, Boris Borrisov and Robert Graf, ¹³C CPMAS NMR as a Tool for Full Structural Description of 2-Phenyl Substituted Imidazoles That Overcomes the Effects of Fast Tautomerization, *Molecules*, 25 (2020) 3770; 20 pages. (IF₂₀₂₀ = 4.411). <https://doi.org/10.3390/molecules25173770> **(Q1)** OPEN ACCESS

11. **Anife Ahmedova***, Sonya Zareva and Anna Dołęga, Metal ion directed template synthesis using 2-acetyl-1,3-indandione and ethylenediamine: steric and electronic restrictions, *Mendeleev Communications*, 30 (2020) 519–521. (IF₂₀₂₀ = 1.786); (Q2)
<https://doi.org/10.1016/j.mencom.2020.07.039>
12. Rositsa Mihaylova, **Anife Ahmedova**, Denitsa Momekova, Georgi Momekov*, Nikolay Danchev, Delineation of proapoptotic signaling of anthracene-shelled M₂L₄ metallacapsules and their synergistic activity with curcumin in cisplatin-sensitive and resistant tumor cell lines, *Investigational New Drugs*, (2019) 37(6), 1117-1126. (IF₂₀₁₉ = 3.525); <https://doi.org/10.1007/s10637-019-00738-y> (Q1)
13. **Anife Ahmedova***, Biomedical applications of metallosupramolecular assemblies – structural aspects of the anticancer activity, *Frontiers in Chemistry*, 6 (2018) 620; 20 pages. (IF₂₀₁₈ = 3.782); <https://doi.org/10.3389/fchem.2018.00620> , (Q1) OPEN ACCESS
14. **Anife Ahmedova***, Boyan Todorov; Nikola Burdzhiev; Christine Goze*, Copper Radiopharmaceuticals for Theranostic Applications, *Eur. J. Med. Chem.* **157** (2018) 1406-1425. (IF₂₀₁₈ = 4.833) <https://doi.org/10.1016/j.ejmech.2018.08.051> (Q1)
15. Viktoriya Trifonova, Krassimir Vassilev, **Anife Ahmedova***, Metallodendrimers for catalytic epoxidation – theoretical insights into structure of Mo(VI) complexes of poly(propylene imine) dendrimers, *Bulg. Chem. Comm.*, **49**, Special Issue (2017) 121-128. (IF₂₀₁₇ = 0.242); (Q4) OPEN ACCESS
http://www.bcc.bas.bg/BCC_Volumes/Volume_49_Special_D_2017/BCC2017-49-SE-D-121-128.pdf
16. **Anife Ahmedova***, Denitsa Momekova, Masahiro Yamashina, Pavletta Shestakova, Georgi Momekov, Munetaka Akita, Michito Yoshizawa*, Anticancer Potencies of Pt(II)- and Pd(II)-linked M₂L₄ Coordination Capsules with Improved Selectivity, *Chemistry – An Asian Journal*, **11** (2016) 474-477. (IF₂₀₁₆ = 4.083); (Q1)
<https://doi.org/10.1002/asia.201501238>

17. **Anife Ahmedova***, Rositsa Mihaylova, Denitsa Momekova, Pavletta Shestakova, Silviya Stoykova, Joana Zaharieva, Masahiro Yamashina, Georgi Momekov, Munetaka Akita, Michito Yoshizawa*, M_2L_4 coordination capsules with tunable anticancer activity upon guest encapsulation, *Dalton Trans.*, **45** (2016) 13214-13221. (IF₂₀₁₆ = 4.029); (Q1)
<https://doi.org/10.1039/c6dt01801g>
18. Vladislav Antonov, Miroslava Nedyalkova, Pavleta Tzvetkova, **Anife Ahmedova***, Solid State Structure Prediction Through DFT Calculations and ¹³C NMR Measurements: Case Study of Spiro-2,4-dithiohydantoin, *Z. Phys. Chem.* **230** (2016) 909-930. (IF₂₀₁₆ = 1.012);
<https://doi.org/10.1515/zpch-2015-0710> (Q3)
19. **Anife Ahmedova***, Petja Marinova, Marin Marinov, Neyko Stoyanov, An integrated experimental and quantum chemical study on the complexation properties of (9'-fluorene)-spiro-5-hydantoin and its thioanalogue, *Journal of Molecular Structure* **1108** (2016) 602-610, (IF₂₀₁₆ = 1.753); <https://doi.org/10.1016/j.molstruc.2015.12.018> . (Q3)
20. Ventzislav Rusanov, **Anife Ahmedova***, Mariana Mitewa, A Mössbauer study on iron(II) complex of 2-acetyl-1,3-indandione - spin-crossover or structural changes, *Eur. J. Chem.* **5** (1) (2014) 176-180. <https://doi.org/10.5155/eurjchem.5.1.176-180.972> (IF₂₀₁₄ = 0.803)
21. **Anife Ahmedova**, Svilen P Simeonov, Vanya B Kurteva, Liudmil Antonov*, Tautomerism of 4,4'-dihydroxy-1,1'-naphthaldazine studied by experimental and theoretical methods, *Chemistry Central Journal* **7** (2013) 29, 10 pages, (IF₂₀₁₃ = 1.663); (Q2) OPEN ACCESS
<https://bmccchem.biomedcentral.com/articles/10.1186/1752-153X-7-29>
22. **Anife Ahmedova***, Katarzyna Paradowska, Iwona Wawer, ¹H, ¹³C MAS NMR and DFT GIAO study of quercetin and its complex with Al(III) in solid state, *J. Inorg. Biochem.* **110** (2012) 27-35; (Q1)
23. **Anife Ahmedova***, Petja Marinova, Gordana Pavlovic, Maya Guncheva, Neyko Stoyanov, Mariana Mitewa, Structure and Properties of a Series of 2-Cinnamoyl-1,3-indandiones and Their Metal Complexes, *J. Iran. Chem. Soc.* **9** (2012) 297-306.

24. **Anife Ahmedova***, Petja Marinova, Katarzyna Paradowska, Neyko Stoyanov, Iwona Wawer, Mariana Mitewa, Spectroscopic aspects of the coordination modes of 2,4-dithiohydantoin. Experimental and theoretical study on copper and nickel complexes of cyclohexanespiro-5-(2,4-dithiohydantoin), *Inorg. Chim. Acta* **363** (2010) 3919-3925.
25. **Anife Ahmedova***, Gordana Pavlović, Diana Zhiryakova, Dubravka Šišak, Neyko Stoyanov, Michael Springborg, Mariana Mitewa, Experimental and theoretical study on the structure and optical properties of 2-acyl-1,3-indandiones – conformational effects, *J. Mol. Str.* **981** (2010) 10-20.
26. **Anife Ahmedova***, Petja Marinova, Katarzyna Paradowska, Marin Marinov, Iwona Wawer, Mariana Mitewa, Structure of 2,4-dithiohydantoin complexes with copper and nickel. Solid-state NMR as verification method, *Polyhedron* **29** (2010) 1639-1645.
27. **Anife Ahmedova***, Nikola Burdzhiev, Samuele Ciattini, Elena Stanoeva, Mariana Mitewa, Synthesis, structure, spectral and coordination properties of a crown ether derivative of 1,3-indandione. A new structural evidence for the versatile reactivity of 2-acetyl-1,3-indandione. *C. R. Chimie* **13** (2010) 1269-1277.
28. **Anife Ahmedova***, Petja Marinova, Samuele Ciattini, Neyko Stoyanov, Michael Springborg, Mariana Mitewa A combined experimental and theoretical approach for structural study on a new cinnamoyl derivative of 2-acetyl-1,3-indandione and its metal(II) complexes, *Struct. Chem.* **20** (2009) 101-111.
29. **Anife Ahmedova***, Vasil Atanasov, Petja Marinova, Neyko Stoyanov, Mariana Mitewa, Synthesis, characterization and spectroscopic properties of some 2-substituted 1,3-indandiones and their metal complexes, *Central European Journal of Chemistry*, **7** (2009) 429-438.
30. V. Rusanov*, S. Stankov, **A. Ahmedova** and A. X. Trautwein, Determination of the Mössbauer Parameters of Rare-Earth Nitroprussides: Evidence for new Light Induced **Magnetic Excited State (LIMES)** in Nitroprussides, *J. Solid State Chem.* **182** (2009) 1252-1259.

31. **Anife Ahmedova***, Gordana Pavlović, Marin Marinov, Neyko Stoyanov, Dubravka Šišak, Mariana Mitewa, Two cycloalkanespiro-5-(2-thiohydantoin)s: synthesis, spectral and structural characterization, *J. Mol. Str.* **938** (2009) 165-173.
32. **Anife Ahmedova***, Petja Marinova, Georgi Tyuliev, Mariana Mitewa, Copper complexes of two cycloalkanespiro-5-dithiohydantoin)s; synthesis, oxidation states and characterization, *Inorg. Chem. Commun.*, **11** (2008) 545-548.
33. **Anife Ahmedova***, Olivier Cador, Lorenzo Sorace, Samuele Ciattini, Dante Gatteschi, Mariana Mitewa, X-ray Structure and Magnetochemical Study on a Co(II) Complex of 2-Acetyl-1,3-Indandione, *J. Coord. Chem.* **61** (2008) 24, 3879-3886.
34. **Anife Ahmedova***, Petja Marinova, Katarzyna Paradowska, Marin Marinov, Mariana Mitewa, Synthesis and characterization of Copper(II) and Nickel(II) complexes of (9'-fluorene)-spiro-5-dithiohydantoin, *J. Mol. Str.* **892** (2008) 13-19.
35. **A. Ahmedova***, V. Rusanov, A. Hazell, J. Wolny, G. Gochev, A. X. Trautwein, M. Mitewa, X-Ray and ⁵⁷Fe Mössbauer Study on a Fe(III) Complex of 2-Acetyl-1,3-indandione, *Inorg. Chim. Acta* **359** (2006) 3123-3128.
36. B. Shivachev, R. Petrova*, P. Marinova, N. Stoyanov, **A. Ahmedova**, M. Mitewa, Four cycloalkanespiro-4-imidazolidine-2,5-dithiones, *Acta Cryst. C*, **C62** (2006), o211-o215.
37. **Anife Ahmedova***, Maria G. F. Vaz, Samuele Ciattini, Georgi Gochev, Andrea Caneschi, Mariana Mitewa, X-Ray and EPR Study on Copper(II) Complexes With an Enamine Ligand, *Central European Journal of Chemistry*, **3** (2005) 146-156.
38. **Anife Ahmedova***, Boris Aleksiev, Elena Stanoeva, Neyko Stoyanov, Mariana Mitewa, Mass spectral Study on the Regioselectivity of Condensation Reaction of 2-Acetyl-1,3-indandione with Aniline, *Journal of the University of Chemical Technology and Metallurgy*, **40**, 3 (2005) 265-286.
39. V. Enchev*, G. Ivanova, G. Pavlovic, M. Rogojerov, **A. Ahmedova**, M. Mitewa, Reaction of 2-acetyl-indane-1,3-dione with aniline – Schiff base or enamine. *J. Mol. Str.*, **654** (2003) 11-20.

40. Joris van Slageren, **Anife Ahmedova**, Dante Gatteschi*, Carlo Andrea Massa, Luca A. Pardi, High Frequency EPR of a Copper(II) Trimer: Experiment Time Scale Effects in EPR Spectroscopy, *Inorg. Chim. Acta*, **351** (2003) 59-62.
41. **Anife Ahmedova**, Vanya Mantareva, Venelin Enchev*, Mariana Mitewa, 2–Acetylindan–1,3–dione and its Cu²⁺ and Zn²⁺ Complexes as Promising Sunscreen Agents, *Int. Journ. Cosmetic Sci.*, **24** (2002) 103-110.
42. V. Enchev*, **A. Ahmedova**, G. Ivanova, I. Wawer, N. Stoyanov, M. Mitewa, Quantum Chemical and Spectroscopic Study of the Structure of 2-Acetylindan-1,3-dione Complexes with Metal(II) Ions, *J. Mol. Str.*, **595** (2001) 67-76.

B. Сборник от конференции и нереферирани научни списания

43. **Anife Ahmedova**, Venelin Enchev, Mariana Mitewa, Theoretical Study on the Photostability of Some UV-Filters, "Scientific Researches of the Union of Scientists in Bulgaria – Plovdiv", *Balkan Conference of Young Scientists, Series C.*, **5** (2005) 351-356.
44. **Anife Ahmedova**, Georgi Gochev, Neyko Stoyanov, Mariana Mitewa, Computer Simulations of EPR Spectra of Copper(II) Complex of 2-Acetyl-1,3-Indandione, *God. Sofii Univ., Fac. Khim.*, **97** (2) (2004) 157-161.

C. Дисертация и хабилитационен труд,

45. Анифе Исмаилова Ахмедова, Приложение на комбиниран подход от квантово-химични и спектроскопски методи за определяне на структурата на метални комплекси, Хабилитационен труд, Софийски Университет „Св. Климент Охридски“ София, 2012 (35 стр.)
46. Анифе Исмаилова Ахмедова, Синтез, структура и свойства на метални комплекси на 2-заместени 1,3-индандиони, Дисертация за присъждане на образователна и научна степен "ДОКТОР", Софийски Университет „Св. Климент Охридски“, София, 2003 (128 стр.)