

1. ANDRUSENCO, T.; SUCMAN, N.; BOLDESCU, V.; VALICA, V.; UNCU, L.; MACAEV, F. Sinteza derivaților de amino acizi ai 2-hidroxijuglonei cu dezvoltarea potențială a activității biologice. Congresul național de Farmacie din Românie. Ediția a XVII-a. Farmacia – centru al interdisciplinarității științelor vieții. București, România. București, 26-29 Septembrie - 2018, ID: 93, p.36.
2. ARICU, A. N.; KUCHKOVA, K. I.; SECARA, E. S.; BARBA, A. N.; DRAGALIN, I. P.; UNGUR, N. D. - Synthesis of some new homodrimane sesquiterpenoids with 1,3,4-oxadiazole fragment. In: *The XXXV-th Romanian Chemistry Conference*, Calimanesti-Caciulata, Romania, 2018, P. 35.
3. ARICU, A.; LUNGU, L.; CIOCARLAN, A.; BARBA, A.; VORNICU, N.; MANGALAGIU, I. Synthesis, structure and antimicrobial activity of new homodrimane sesquiterpenoids with oxa- and thiadiazole units. In: *The XXXV-th Romanian Chemistry Conference*, Calimanesti-Caciulata, Romania, 2018, P. 13.
4. BARTOLOME, E.; BARTOLOME, J.; ARAUZO, A.; LUZON, J.; CASES, R.; FUERTES, S.; SICILIA, V.; SANCHEZ-CANO, A.I.; APORTA, J.; MELNIC, S.; PRODIUS, D.; SHOVA, S. Heteronuclear {TbxEu1-x} furoate 1D characterisation polymers presenting luminescence and SMM behavior. In: *The 16th International Conference on Molecule-based Magnets – ICMM2018*, Rio de Janeiro, Brazil, September, 1-5, 2018.
5. BILAN, D. Sinteza derivaților spiro isatinici. A XXXV-a conferință națională de chimie, Călimaneni-Căciulata, Romania, 2-5 octombrie, 2018. p.23.
6. BILAN, D. Sinteza isatinelor glicozidice. In: *Conferința științifică cu participare internațională “Tendințe contemporane ale dezvoltării științei: viziuni ale tinerilor cercetători”*, Chișinău, Moldova. 15iunie, 2018. vol.1, p.90-94.
7. BILAN, D.; RADUL, O.; DRAGALIN, I.; MACAEV, F. Sintez cross-alidolinix opticeski activnix bis-productov na osnove izatina s acetonom. In: *Tezisî dokladov iv bcerosiiscoi molodiojnoi conferenții , başkirska gosuniversitet*. UFA 2018, 16-19 mai, p. 95-96.
8. BILAN, D.; SUCMAN, N.; POGREBNOI, V.; KRAVTSOV, V. CH.; MACAEV, F. Z. The structure of N-glycosylated spiro[oxindol-thiadiazole]. In: *9<sup>th</sup> International conference on materials science and condensed matter physics*. Chișinău, Moldova. 25-28 september, 2018. p. 167.
9. BLAJA, S. Sinteza compușilor trinorlabdanici cu fragment1,3-tiazolic cu potențialăactivitate biologică. In: *Conferința științifică a studenților și masteranzilor “Viitorul ne aparține” Ediția A VIII-a*, Chișinău, 2018, Vol. 1, PP. 95-99.
10. BLAJA, S.; LUNGU, L.; ARICU, A.; CIOCARLAN, A. Synthesis of new potential active trinorlabdane compounds with 1,3-thiazole units. In: *The XXXV-th Romanian Chemistry Conference*, Calimanesti-Caciulata, Romania, 2018, P. 6.
11. BOGDEVICH, O.; NICOARA, I.; MOGORICI, C.; ISICICO, E. The evaluation of geological hazards în Low Prut region: case studies of localities from Republic of Moldova. In: *NATO Advanced Research Workshop SPS.EAP.ARW.G5347 "Functional Nanostructures and Sensors for CBRN Defence and Environmental Safety and Security. FNS-CBRN Defence – 2018*. May 14-17, 2018, Chisinau, Moldova,
12. BOLDESCU, V.; CURLAT, S.; POGREBNOI, S.; SMETANSCHAIA, A.; UNCU, L.; VALICA, V.; MACAEV, F. Molecular architecture of ionic liquids with anticancer activity, antioxidant, and photosensibilizing properties. In: *VII<sup>th</sup> International Conference “Chemistry, structure and function of biomolecules”*, Minsk, Republic of Belarus. Minsk, 22-24 May, 2018, p. 22-24.
13. BULHAC, I.; DANILESCU, O. Sinteza și designul molecular al complecșilor V<sup>(II,IV)</sup>, Fe<sup>III</sup>, Co<sup>II</sup>, Cu<sup>II</sup> și Zn<sup>II</sup> cu 2,6-diacetylpiridină bis((izo)nicotinoinilhidrazone). În: *A XXXV-a Conferință Națională de Chimie*, 02 - 05 octombrie 2018, Călimănești - Căciulata, județul Vâlcea, România, p. 6.
14. CHIȘCA, D.; CROITOR, L.; PETUHOV, O.; COROPCEANU, E.; FONARI, M. Rețele coordinative carboxilice ale Co(II), Cd(II) și Zn(II) decorate cu liganzi nicotinamidici: sinteză, proprietăți fizico-chimice. In: *A XXXV-a Conferință Națională de Chimie*, 2-5 octombrie 2018. Căciulata, România. Secția 2: Chimie anorganică, bioanorganică și analitică, p. 3.
15. CHIȘCA, D.; CROITOR, L.; PETUHOV, O.; COROPCEANU, E.; FONARI, M. Single-crystal to single-crystal transformations as accompanying events in adsorption-desorption processes in coordination polymers. In: *The 9<sup>th</sup> International Conference on Materials Science and Condensed Matter Physics (MSCMP 2018) is dedicated to the 90 anniversary of the prominent Moldovan physicists Academician Svetoslav Moskalenko and Academician*

16. CIBOTARU, S.; TIMBALIUC, N.; LUPASCU, T. The influence of parameters of activated carbon on the immobilization of vitamine B12. In: *International Scientific Conference „Perspectivele și Problemele Integrării în Spațiul European al Cercetării și Educației”*, 7 June 2018, Cahul, Republic of Moldova, vol. I, p. 312-316. ISBN 978-9975-88-041-1.
17. CIBOTARU, S.; TIMBALIUC, N.; LUPASCU, T. The influence of parameters of activated carbon on the immobilization of vitamine B12. In: *International Scientific Conference „Perspectivele și Problemele Integrării în Spațiul European al Cercetării și Educației”*, 7 June 2018, Cahul, Republic of Moldova, vol. I, p. 312-316. ISBN 978-9975-88-041-1.
18. CIOBANU, M.; LUPASCU, T.; MITINA, T.; POVAR, I. Adsorption of Sr<sup>2+</sup> ions from aqueous solutions on the activated carbon CAN-7 under dynamic conditions. In: Proceedings Book of the 21<sup>ST</sup> International Symposium “The Environment and Industry”, 20-21 September 2018, Bucharest, Romania, 23-30. <http://doi.org/10.21698/simi.2018.fp02>
19. CIOBANU, M.; LUPASCU, T.; MITINA, T.; POVAR, I. Removal of ammonium and sodium ions from groundwater. In: *Book of Abstracts of the 21<sup>ST</sup> International Symposium “The Environment and Industry”*, 20-21 September 2018, Bucharest, Romania, 44-45. ISSN-L: 1843-5831 <http://doi.org/10.21698/simi.2018.ab15>.
20. CIOCARLAN, A.; ARICU, A.; DELEANU, M. Comparative spectroscopic and chromatographic quantification of nicotine in moldavian tobacco. In: *Book of abstracts on XXII-th National Conference With International participation new Cryogenic and Isotope Technologies for Energy and Environment*, Baile-Govora, Romania, 2018, P.217.
21. CIOCARLAN, A.; LUNGU, L.; ARICU, A.; VORNICU, N. Antifungal and antibacterial activities of some new homodrimane sesquiterpenoids bearing 1,3,4-oxadiazole units. In: *The XXXV-th Romanian Chemistry Conference*, Calimanesti-Caciulata, Romania, 2018, P. 30.
22. CIOCARLAN, N.; CIOCARLAN, A.; DRAGALIN, I.; ARICU, A.; ZINICOVSCAIA, I.; GUNDORINA, S. GC-MS and neutron activation analysis of medicinal Teucrium L. species. In: *Book of abstracts on XXII-th National Conference With International participation new Cryogenic and Isotope Technologies for Energy and Environment*, Baile-Govora, Romania, 2018, PP.199-200.
23. CIOCARLAN A., LUNGU L., ARICU A., OZER I., VORNICU N. Antimicrobial activity of some new homodrimane sesquiterpenoids bearing 1,3,4-oxadiazole units. The XXXV-th Romanian Chemistry Conference. October 02-05, 2018.
24. COCIU, V.; PLIUSNINA, M; CROITOR, L.; PETUHOV, O.; COROPCEANU, E.; CHISCA, D. Synthesis, structural characterization and thermal analysis of a perchlorate-contained Cd(II) coordination polymer based on 4,4-diaminodiphenylmethane. In: *12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry*, 27-30 August 2018, Brașov, Romania, PS2.167, p. 533.
25. COCU, M.; CROITOR L.; BOUROSH, P.; TITICA, T.; DANILESCU, O.; BULHAC, I. Template synthesis and crystal structure of new triheteronuclear complex based on 2,6-diacetylpyridine and isonicotinic acid hydrazide. In: *The 9<sup>th</sup> International Conference on Material Science and Condensed Matter Physic.*, September 25-28, 2018, Chișinău, Moldova, p.116.
26. COCU, M.; CROITOR L.; BOUROSH, P.; TITICA, T.; DANILESCU, O.; BULHAC, I. New mononuclear manganese(II) complex based on 2,6-diacetylpyridine bis(isonicotinoylhydrazone). In: *A XXXV-a Conferință națională de chimie*, 02-05 octombrie 2018, Călimănești-Caciulata, județul Vâlcea, România, P.S.II, p. 6
27. COVALIOVA, O. Applications of nanoporous TiO<sub>2</sub> in medicine, cosmetics and technology. In: *Congresul Internațional “By promoting excellence, we prepare the future”, ed.XXVIII*, Univ.“Apollonia”, Iași, România, 1-4 martie, 2018
28. COVALIOVA, O. Study of photocatalytical destruction of persistent organic pollutants in water. In: *The XIVth International Symposium “Prioritatile Chimiei pentru o Dezvoltare Durabila - PRIOCHEM” ICECHIM-Bucharest-Romania*, 10-12 oct., 2018, ISSN 2601-4181, p.41.
29. CUBA, L.; BOUROSH, P.; DRAGANCEA, D. Trinuclear nickel(II) pivalate cluster with semicarbazone ligand. În: *9<sup>th</sup> International Conference on Materials Science and Condensed Matter Physics*, September 25-28, 2018, Chișinău, Moldova, p. 123.

30. CUBA, L.; GORINCIOI, E.; BOUROSH, E.; KRAVTSOV, V.; DRAGANCEA, D. Nickel(II) complex with a Schiff base semicarbazone ligand. În: *A XXXV-a Conferință Națională de Chimie, XXXV-th Romanian Chemistry Conference*, October 2-5, 2018, Călimănești-Căciulata, Vâlcea, România, p.15.
31. CULIGHIN, E. Study of adsorption of organic pollutants on carbonaceous sorbents. In: *Green Chemistry Postgraduate Summer School*. 2018, Venetia, Italia, 73.
32. CURLAT, S.; SUCMAN, N.; STINGACI, E.; POGREBNOI, S.; BOLDESCU, V.; STEFANET, T.; VALICA, V.; UNCU, L.; KRAVTSOV, V.; BACA, S.; MACAEV, F. Molecular diversity from nitrogen organic salts: preparation of novel scaffolds and focused targets. In: *9<sup>th</sup> International conference on materials science and condensed matter physics*. Chișinău, Moldova. 25-28 september, 2018. p. 94.
33. CUZAN-MUNTEANU, O.; PETUHOV, O.; SHOVA, S.; LOZAN, V. Synthesys, crystal structure and thermal behaviour of a novel cobalt(II) sebacate. In: *The 12th European Symposium on Thermal Analysis and Calorimetry „ESTAC12“* Brasov, Romania from 27 – 30.08.2018, p.534.
34. CUZAN-MUNTEANU, O.; SHOVA, S.; LOZAN, V. Synthesis and x-ray characterisation of the new Fe(II) compound with sebacic dianions. In: *The 9<sup>th</sup> International Conference on Materials Science and Condensed Matter Physics „MSCMP 2018“* Chisinau, Moldova din 25 – 28.09.2018, p.128.
35. DANILESCU, O.; BOUROSH, P.; BULHAC, I. Synthesis and structural study of Cu(II) binuclear complexes with 2,6-diacetylpyridine bis((iso)nicotinoylhydrazone). In: *The 9<sup>th</sup> International Conference on Materials Science and Condensed Matter Physics (MSCMP 2018)*, september 25-28, 2018, Chisinau, Moldova, p. 118.
36. DANILESCU, O.; BULHAC, I.; BOUROSH, P. Sinteză și structura polimerului coordinativ 2D de cobalt(II) cu 2,6-diacetylpiridină bis(nicotinoilhidrazone). În: *A XXXV-a Conferință Națională de Chimie*, 02 - 05 octombrie 2018, Călimănești - Căciulata, județul Vâlcea, România, p. 12.
37. DANILESCU, O.; GORINCIOI, E. <sup>1</sup>H and <sup>13</sup>C characterization of 2,6-diacetylpyridine bis((iso)nicotinoylhydrazone. In: *The 9<sup>th</sup> International Conference on Materials Science and Condensed Matter Physics (MSCMP 2018)*, september 25-28, 2018, Chisinau, Moldova, p. 198.
38. DANILESCU, O.; PETUHOV, O.; BULHAC, I.; BOUROSH, P. Thermal study of Zn(II) complexes with 2,6-diacetylpyridine bis((iso)nicotinoylhydrazone). In: *12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC12)*, 27-30 august 2018, Brasov, Romania, p. 535.
39. DRAGANCEA, D. Coordination compounds through o-vanillin semicarbazone and its dimerised counterpart: structural studies. In: *9-th International Conference on Materials Science and condensed Matter Physics*, 25-28 september 2018, Chișinău, Moldova, p. 97.
40. FERNANDEZ, F.; SPATARU, P.; SANDU, M.; POVAR, I.; SPATARU, T. The behavior of nitrogen soluble forms in water in the presence of anionic and cationic surface-active substances and mineral substrates. In: *Abstracts of the 17<sup>th</sup> International Conference on Industrial Chemistry and Water Treatment*, May 21-22, 2018, New York, USA, 51. <http://dx.doi.org/10.4172/2469-9764-C1-008>
41. GERU, I. Encoding the information in a quantum computer using effective spin two-boson reprezentation. In: *6-th International Conference Telecommunications Electronic and Informatics ICTEI-2018*, Chisinau, May 24-28, 3 c.
42. GERU I.I. Spin levels inversion in bihomonuclear paramagnetic clusters under combined time-reversal (Oral presentation). In: *The 9-th International Conference “Material Science and Condensed Matter Physics”*, Chisinau, September 25-28, 2018, p. 68.
43. GERU I.I., GAIU N.I., GORINCIOI V.V. Finding the main values of g- and a-tensors for [CuBa(SalH)<sub>4</sub>(DMMA)<sub>4</sub>(H<sub>2</sub>O)] singe crystal. In: *The 9-th International Conference “Material Science and Condensed Matter Physics”*, Chisinau, September 25-28, 2018, p. 190.
44. GERU I.I., GAIU N.I., GORINCIOI V.V. Finding the main values of g- and a-tensors for [CuCa(SalH)<sub>4</sub>(DMMA)<sub>4</sub>(H<sub>2</sub>O)] singe crystal. In: *The 9-th International Conference “Material Science and Condensed Matter Physics”*, Chisinau, September 25-28, 2018, p. 191.
45. GINSARI, I.; NASTAS, R. Spectrophotometric evaluation of antioxidant activity of active carbons by ABTS<sup>+</sup> method. In: *Abstracts book of 11 International symposium*, Timisoara, Romania. 2018, 56.

46. GORINCHOY, V.; CUZAN-MUNTEANU, O.; SHOVA, S. Crystal and molecular structure of the new heterotrinuclear Fe2Ni complex with 3-hydroxy-2-naphthoic acid. In: *The 9th International Conference on Materials Science and Condensed Matter Physics „MSCMP 2018“* Chisinau, Moldova din 25 – 28.09.2018, p.126.
47. GORINCHOY, V.; CUZAN-MUNTEANU, O.; SHOVA, S. Thermal analysis of hethero-metallic complexes with salicylic acid. In: *The 12th European Symposium on Thermal Analysis and Calorimetry „ESTAC12“*, Brasov, Romania from 27 – 30.08.2018, p.536.
48. GORINCHOY, N.N.; ARSENE, I. Planarization of thiophene heterodimers via suppression of the Pseudo Jahn-Teller Effect. In: *The XXIV-th International Symposium on the Jahn-Teller Effect*, Santander, Spain, June 24-29, 2018, p. 41.
49. GORINCHOY, N.N.; ARSENE, I.; BERSUKER, I.B. Buckybowl structure of sumanenes and analogous compounds induced by the Pseudo Jahn-Teller Effect. In: *The XXIV-th International Symposium on the Jahn-Teller Effect*, Santander, Spain, June 24-29, 2018, p. 49.
50. KANAROVSKII, E.Yu.; YALTYCHENKO, O.V.; GORINCHOY, N.N. Polarization effects in metal-carbon nanoclusters and dynamics of electron localization in external electric field. In: *9th International Conference “Material science and condensed matter physics” MSCMP 2018*, Chișinău, Moldova, September 25-28, 2018, p. 214.
51. KANAROVSKII, E.Yu.; YALTYCHENKO, O.V.; GORINCHOY, N.N. Simulation of peroxidation process with participation of cardiolipin-cytochrom c complexes and some lipid antioxidants. In: *9th International Conference “Material science and condensed matter physics” MSCMP 2018*, Chișinău, Moldova, September 25-28, 2018, p. 115.
52. KRAVTSOV, V.CH.; BACA, S.G.; MACAEV, F.Z. The structure of 5'-bromo-2'-oxo-1',2'-dihydrospiro-[cyclopropane-1,3'-indole]-2-carboxylic acid. In: *9<sup>th</sup> International conference on materials science and condensed matter physics*. Chișinău, Moldova. 25-28 september, 2018. p. 166.
53. KULCITKI, V.; SIRBU, T.; GIRBU, V.; UNGUR, N.; RUSU, V. A biomemetic synthesis of halimanic bicyclic core. In: *Abstracts book of 11 International symposium (ISBOC-11)*, Konstanz, Germany. 2017, 77.
54. LAZARESCU, A.; MELNIC, E.; BOUROSH, P.; TRACHEVSKII, V.; MELNYK, A.; ZARICIUC, E. Double-deprotonated form of ligand in copper(II) dithiocarbomethoxyhydrazone complexes derived from 4-formyl-3-hydroxy-2-naphthoic acid. In: *The 9<sup>th</sup> International Conference on materials science and condensed matter physics (MSCMP)*, September, 25-28, 2018, Chisinau, Moldova, Book of Abstracts, p. 112.
55. LAZARESCU, A.; MELNIC, E.; BOUROSH, P.; TRACHEVSKII, V.; MELNYK, A. X-ray, EPR and thermal studies of 2-hydroxy-3-carboxy-naphthylidenedithiocarbometoxyhydrazone Cu(II) coordination polymer. In: *A XXXV-a Conferinta Nationala de Chimie, Calimanesti-Caciulata, Romania, Book of Abstracts*, P.S.II-2, p.2.
56. LOZOVAR, V. N.; KRAVTSOV, V. CH.; COROPCEANU, E. B.; FONARI, M. S. Two three-dimensional Cd(II) coordination polymers based on isomeric bidentate schiff base ligands. In: *XIII Международная научная конференция «Проблемы сольватации и комплексообразования в растворах»*, 1–6 июля 2018 г. г. Сузdalь, Россия. rag. 206.
57. LOZOVAR, V. N.; KRAVTSOV, V. CH.; COROPCEANU, E. B.; FONARI, M. S. Coordination network based on {Cd<sub>4</sub>} node and new linker 4,4-(hydrazine-1,2-diylidenebis(methanlylidene)) dibenzoic acid. In: *The 9<sup>th</sup> International Conference on Materials Science and Condensed Matter Physics (MSCMP 2018)* , 25–28 September 2018, Chisinau, Republic of Moldova, DSCM P25, p. 136.
58. LOZOVAR, V.; KRAVTSOV, V. ; COROPCEANU, E.; FONARI, M. From binuclear complex to two-dimensional coordination polymer originated from zinc sulfate and 4-bis(4-pyridyl)-2,3-diaza-1,3-butadiene ligand. In: *XX Ukrainian Conference on Inorganic Chemistry*, 17-20 september 2018, Dnipro, Ukraine, p. 42.
59. LOZOVAR, V.; KRAVTSOV, V. ; COROPCEANU, E.; FONARI, M. New ditopic ligand 4-(pyridine-4-ylmethylene)amino)aniline – a useful linker in crystal design of binuclear and polymeric Zn coordination compounds. In: *XIII International scientific conference "Solvation and complex formation in solutions"*, Suzdal, Russia, 1-6 July 2018, p. 205.
60. LOZOVAR, V.; KRAVTSOV, V. ; COROPCEANU, E.; FONARI, M. One-dimensional coordination polymers of Zn and Cd assembled from 2-thiophenecarboxylic acid and 1,2-bis(pyridin-4-ylmethylene)hydrazine ligands. In: *A XXXV-a Conferință Națională de Chimie*, 2-5 octombrie 2018, Căciulata, România, p. 28.

61. LOZOVAN, V.; KRAVTSOV, V. ; COROPCEANU, E.; ROTARU, P.; PETUHOV, O.; FONARI, M. Thermal analysis of binuclear Zn(II) coordination compound and new bidentate ligand. In: *12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry*, 27-30 August 2018, Brașov, Romania, PS2 171, p. 537.
62. LUNGU, L.; TENU, N.; ARICU, A.; BARBA, A.; CIOCARLAN, A.; VORNICU, N. Synthesis of new biological active tetranorlabdane compounds with 1,3,4-thiadiazole units. In: *The XXXV-th Romanian Chemistry Conference*, Calimanesti-Caciulata, Romania, 2018, P. 16.
63. LUPAȘCU, T.; CIOBANU, M.; NASTAS, R.; PETUHOV, O. Obtaining and study of new activated carbons for ecologically sustainable technologies. In: *International symposium "The environment and industry" SIMI*, Book of abstracts. 2018, 36-37. DOI: <http://doi.org/10.21698/simi.2018.ab> 11
64. MACAEV, F.; POGREBNOI, S.; BOLDESCU, V.; UNCU, A.; VALICA, V.; UNCU, L. Analysis of Triptanthrin analogs activity against Mycobacteria. In: *18<sup>th</sup> International symposium and summer school on bioanalysis*. Komarno, Slovak Republic, June 25-30, 2018. p. 61.
65. MELNIC, S. Synthesis and structures of a new Mn/Ce clusters. In: *The 9<sup>th</sup> International Conference on Materials Science and Condensed Matter Physics*, Chisinau, Moldova. September 25-28, 2018, p.133.
66. NASTAS, R.; RUSU, V.; LUPASCU, T. Suggested mechanism of hydrogen sulphide oxidation on active carbons. In: *Abstracts book of 11 International symposium*, Timisoara, Romania. 2018, 47.
67. PEGZA, C.; DRUTA, V. Sinteza și studiul compușilor polimerici ai 3d metalelor cu acidul 4'- (2h-tetrazol-5-il) bifenil-4-carboxilic. In: *Rezumate ale Conferinței internaționale "Viitorul ne aparține"*, 25 Aprilie, 2018, Chisinau, Moldova, p. 76.
68. PETUHOV, O. The use of thermal analysis in the study of relationship electrical conductivity - temperature of carbonization of walnut shells. In: *The 12th European Symposium on Thermal Analysis and Calorimetry ESTAC12*. Brasov, Romania, 2018, 538.
69. POGREBNOI, S.; BOLDESCU, V.; UNCU, A.; VALICA, V.; UNCU, L.; MACAEV, F. New inhibitors of enoyl-acyl carrier protein reductase: structure, activity against mycobacterium tuberculosis, modelling of enzyme binding. In: *VII<sup>th</sup> International Conference "Chemistry, structure and function of biomolecules"*, Minsk, Republic of Belarus. Minsk, 22-24 May, 2018, p. 135-137.
70. POPA, T.; DRUȚĂ, V.; SHOVA, S.; LOZAN, V. Synthesis and Crystal Structures of Ni (II) Coordination Compounds with bis-thiosemicarbazone of 2,6-Diformyl-4-methylphenol. In: *Book of Abstracts of the 9th International Conference on Materials Science and Condensed Matter Physics (MSCMP 2018)*, 25–28 September 2018, Chisinau, Moldova, p. 141.
71. POVAR, I. SPATARU, P.; MAFTULEAC, AI.; SPINU, O.; PINTILIE, B., BUZILA, S. Technology of treating the organic part of mud from wastewater treatment plants in a soil fertilizer. In: *Abstract Book of the Water JPI 2018 Conference „Emerging pollutants in freshwater ecosystems”*, 6–7th of June, Helsinki, Finland, p. 29-30.
72. POVAR, I.; SPINU, O. Thermodynamic analysis of removing the heavy metals by precipitation in industrial wastewaters. In: *Book of Abstracts of the Republican Scientific Conference on Analytical Chemistry with international participation "Analytics RB - 2018"*, May 16-19, 2018, Minsk, Belarus, 275-276. (in Russian)
73. POVAR, I.; SPINU, O.; DEMCHENKO, P.; VOYTKO, A.; LUPASCU, T. Clinical and Thermodynamic Studies of the Lead (II) Binding by Pectins in the Blood of Children. In: *Abstracts of the 4th International Conference on Chemical Engineering „Innovative Materials and Processes for a Sustainable Development”*, October 31-November 2, 2018, Iasi, Romania, O 26.
74. POVAR, I.; ZINICOVSCHAIA, I.; SPINU, O.; UBALDINI, S.; LUPASCU, T.; DUCA, GH. Equilibrium study of the removal of heavy metals from industrial effluents by chemical processes and biosorption. In: *Abstracts of the 4th International Conference on Chemical Engineering „Innovative Materials and Processes for a Sustainable Development”*, October 31-November 2, 2018, Iasi, Romania, O 27.
75. PRUTEANU, E. Modification of ent-Kauranic Diterpenoids Mediated by Free Radicals. In: *International Scientific Conference of students and masters „Future belongs to us”, ed. VIII*. Chișinău, Republic of Moldova, 2018, p. 78.
76. ROTARU, M.; COCU, M. Sinteza și studiul compușilor coordinative ai Cu(II) cu liganzi bazati pe S-metilizotiosemicarbazona o-vanilinei. Sesiunea de comunicari științifice a studentilor,

masteranzilor și doctoranzilor "Chimia-frontieră deschisă spre cunoaștere", ediția IX, Iași, România, 29 iunie 2018, CO-09.

77. SHEPEL, D.; RUSU, M.; VIERU, E. Infrared spectroscopy investigation of human urinary stones of patients from the Republic of Moldova. In: *Proceedings of the 9<sup>th</sup> International Conference on Materials Science and Condensed Matter Physics (MSCMP 2018)*, September 25 - 28, 2018, Chișinău, Republic of Moldova, 330.
78. ȘTEFANEȚ, T.; MACAEV, F.; TREAPITÎNA, T.; VALICA, V. Studiu proprietăților fizico-chimice al dioxoindolindionei. Conferință științifică cu participare internațională "Farmacie etică: Istorie, realități și perspective", Chișinău, Moldova. 19-21 aprilie, 2018. p. 178-180.
79. ȘTEFANEȚ, T.; MACAEV, F.; VÎSLOUH, O.; VALICA, V. Analize spectrale al dioxoindolindionei. Simpozionul Național "Medicamentul de la idee la clinică", sub egida Zilele Medicamentului: ediția a XXVI-a, Iași, Romania. 29-31 martie 2018. p. 147-149.
80. ȘTEFANEȚ, T.; MACAEV, F.; TREAPITÎNA, T.; VALICA, V. Studiu proprietăților fizico-chimice al dioxoindolindionei. In: *Coferință științifică cu participare internațională "Farmacie etică: Istorie, realități și perspective"*. Chișinău, 19-21 aprilie, 2018, p. 178-180.
81. ȘTEFANEȚ, T.; MACAEV, F.; VÎSLOUH, O.; VALICA, V. Analize spectrale al dioxoindolindionei. In: *Simpozionul Național "Medicamentul de la idee la clinică", sub egida Zilele Medicamentului: ediția a XXVI-a*, Iași, Romania, 29-31 martie 2018, p. 147-148.
82. SUCMAN, N.; BOLDESCU, V.; UNCU, L.; VALICA, V.; MACAEV, F. Non-nucleoside reverstranscriptase inhibitors with targeted activation in macrophages. In: *VII<sup>th</sup> International Conference "Chemistry, structure and function of biomolecules"*, Minsk, Republic of Belarus. Minsk, 22-24 May, 2018, p.137-139.
83. SUCMAN, N.; BOLDESCU, V.; UNCU, L.; VALICA, V.; MACAEV, F. Non-nucleoside reverstranscriptase inhibitors with targeted activation in macrophages. In: *VII<sup>th</sup> International Conference "Chemistry, structure and function of biomolecules"*, Minsk, Republic of Belarus. Minsk, 22-24 May, 2018, p.135-137.
84. SUCMAN, N.S.; BOLDESCU, V.; MACAEV, F.Z. Nanosized, Stereo- and Enantiomeric Agents for Plants Protection. International agriculture congress. Komrat, Gagauzia, Moldova. Komrat, 3-6 May, 2018. p. 94.
85. ȚENU, N.; LUNGU, L. Sinteza compușilor tetranorlabdanici cu fragment 1,3,4-tiadiazolic cu potențială activitate biologică. In: *International Scientific Conference of students and masters „Future belongs to us”*, ed. VIII. Chișinău, Republic of Moldova, 2018, p. 84.
86. UNCU, A.; VALICA, V.; VÎSLOUH, O.; PODGORNIÎ, A.; MACAEV, F.; UNCU, L. Aplicarea spectrofotometriei UV-VIS pentru dozarea propiltiohinoïadiazolului. 34. In: *Congresul național de Farmacie din Românie. Ediția a XVII-a. Farmacia – centru al interdisciplinarității științelor vieții*. București, România. București, 26-29 Septembrie - 2018, ID: 104, p.34.
87. URECHE, D. V.; BULHAC, I. I.; RIJA, A. P.; BOUROSH, P. N. *New binuclear compounds of Zn(II) and Mn(II) based on dianilineglyoxime and isophthalic acid*. In: *9<sup>th</sup> International Conference Materials Science and Condensed Matter Physics (MSCMP)*, 25-28 september 2018, Chișinău, Moldova. p. 138.
88. URECHE, D.; BOUROSH, P.; RIJA, A.; BULHAC, I. Thermal analysis of new binuclear compounds of Zn(II) and Mn(II) based on dianilineglyoxime and isophthalic acid. In. *12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC12)*, 27 – 30 August 2018, Brasov, Romania. p. 539;
89. VITIU, A.; COROPCEANU, E.; BOUROSH, P. Synthesis of new Co(II) and Ni(II) mononuclear compounds with rhodanine-3-acetic acid. In: *The 9<sup>th</sup> International Conference on Materials Science and Condensed Matter Physics(MSCMP 2018)* , 25–28 September 2018, Chisinau, Republic of Moldova, DSCM P26, p. 137.
90. VITIU, A.; CROITOR, L.; PETUHOV, O.; COROPCEANU, E.; BOUROSH, P. Mixed-ligand 3D coordination polymers based on 2,2-dithiodibenzoic acid and bipyridine ligands: synthesis, X-ray study and TGA analysis. In: *12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry*, 27-30 August 2018. Brașov, Romania, PS1.169, p. 353.
91. VITIU, A.; CROITOR, L.; SIMINEL, A.; COROPCEANU, E.; BOUROSH, P. Compuși coordinativi ai unor metale tranzitionale cu acidul 2,2'-dithiodibenzoic în prezența punților bipiridinice. In. *A XXXV-a Conferință Națională de Chimie*, 2-5 octombrie 2018. Căciulata, România, p. 10.
92. VITIU, A.; CROITOR, L.; SIMINEL, A.; KULIKOVA, O.; COROPCEANU, E.; BOUROSH, P. PH-Dependent synthesis of Zn(II) and Cd(II) mixed-ligand coordination polymers: structure and luminescent properties. In: „*New trends and strategies in the chemistry of advanced*

*materials with relevance in biological systems, technique and environmental protection”, 11<sup>th</sup> Edition, June 28-29, 2018. p.45.*

93. ZVEAGHINȚEVA, M.M.; SUCMAN, S.N.; MACAEV, F.Z. The molecular and crystal stucture data for aminoderivative of (*3E*)-3-(2-oxo-2-phenylethylidene)-1,3-dihydro-2*H*-indol-2-one. In: *9<sup>th</sup> International conference on materials science and condensed matter physics*. Chișinău, Moldova. 25-28 september, 2018. p. 161.
94. ZVEAGHINȚEVA, M.M.; SUCMAN, S.N.; STINGACI, E.P.; KRAVTSOV, V.CH.; MACAEV, F.Z. Selective synthesis and structure of highly functionalised ethylideneindolinone. In: *9<sup>th</sup> International conference on materials science and condensed matter physics*. Chișinău, Moldova. 25-28 september, 2018. p. 160.
95. АНДРУСЕНКО, Т.; СУКМАН, Н.; МАКАЕВ, Ф. Синтез аминокислотных производных 2-оксиоглона с потенциальной биоактивностью. В: *XX Научная молодёжная конференция «Проблемы и достижения современной химии»*, Одесса, Украина. Одесса, 27-28 сентября 2018, с. 37.
96. АНДРУСЕНКО, Т.В.; СТЫНГАЧ, Е.П.; МАКАЕВ, Ф.З. Получение 3-замещенных производных 2-гидроксиоглона с потенциальной противомалярийной активностью. В: *IV Всероссийская молодежная конференция «Достижения молодых ученых: химические науки»*. Уфа, Россия. Май 16-19, 2018, с. 85-86.
97. АНДРУСЕНКО, Т.В.; СТЫНГАЧ, Е.П.; МАКАЕВ, Ф.З. Получение 3-замещенных производных 2-гидроксиоглона с потенциальной противомалярийной активностью. В: *IV Всероссийская молодежная конференция «Достижения молодых ученых: химические науки»*, Уфа, Россия. Уфа, Май 16-19, 2018, с. 85-86.
98. БИЛАН, Д.Я.; РАДУЛ, О.М.; ДРАГАЛИН, И.П.; МАКАЕВ, Ф.З. Синтез кросс-альдолльных оптически активных бис-продуктов на основе изатина с ацетоном. В: *IV Всероссийская молодежная конференция «Достижения молодых ученых: химические науки»*, Уфа, Россия. Уфа, Май 16-19, 2018, с. 95-96.
99. БОЛДЕСКУ, В. В.; КУРЛАТ, С. Н.; ПОГРЕБНОЙ, С. И.; СМЕТАНСКАЯ, А. Ф.; УНКУ, Л. В.; ВАЛИКА, В. В.; МАКАЕВ, Ф.З. Ионные жидкости в синтезе биоактивных материалов. В: *IV Всероссийская молодежная конференция «Достижения молодых ученых: химические науки»*, Уфа, Россия. Уфа, Май 16-19, 2018, с. 8-9.
100. БОЛДЕСКУ, В. В.; МАКАЕВ, Ф.З. Синтез производных колхицина для целевой доставки в макрофаги. В: *IV Всероссийская молодежная конференция «Достижения молодых ученых: химические науки»*, Уфа, Россия. Уфа, Май 16-19, 2018, с. 96-98.
101. ЗВЯГИНЦЕВА, М.М.; СТЫНГАЧ, Е.П.; ПОГРЕБНОЙ, С.И.; ГОРИНЧОЙ, Е.К.; БАРБА, А.Н.; МАКАЕВ, Ф.З. Изомеризация 4,4-диметил-1-(4-нитрофенил)-2-(1*h*-1,2,4-триазол-1-ил)пент-1-ен-3-она. В: *IV Всероссийская молодежная конференция «Достижения молодых ученых: химические науки»*, Уфа, Россия. Уфа, Май 16-19, 2018, с. 128-130.
102. КУРЛАТ, С.Н.; БОЛДЕСКУ, В.В.; МАКАЕВ, Ф.З. Синтез новых N-замещённых производных 1,2,4-триазола и бензотриазола на основе (+)-3-карена. В: *IV Всероссийская молодежная конференция «Достижения молодых ученых: химические науки»*, Уфа, Россия. Уфа, Май 16-19, 2018, с. 163-165.
103. ЛУПАШКУ, Л.; ЦЫМБАЛЮК, Н.; ЛУПАШКУ, Г. Антимикробная активность танинов из плодов ореха (*Juglans regia* L.). В: *IV Межд. Научно-практич. конф. «Мировые растительные ресурсы: состояние и перспективы развития»*. Киев, 2018, 210-211.
104. РАДУЛ, О.М.; ПОГРЕБНОЙ, С.И.; МАКАЕВ, Ф.З. Синтез и свойства триазолиевого илида. В: *IV Всероссийская молодежная конференция «Достижения молодых ученых: химические науки»*, Уфа, Россия. Уфа, Май 16-19, 2018, с. 195-196.
105. ШЕПЕЛЬ, Д. Ф.; ЧОКЫРЛАН, А. Г.; ДРАГАЛИН, И. П. Исследование состава эфирных масел двух видов чаябера *Satureja subspicata* Bartl. ex Vis. і *Satureja montana* L. методом инфракрасной спектроскопии. In: *Сборник Материалов Международные Научно-Практическое Конференции Центр Научного Развития МБ, Химия и Химическая Технология в XXI веке*. Москва, 2018, сс. 130-138.
106. ЯЛТЫЧЕНКО, О.В.; КАНАРОВСКИЙ, Е.Ю.; ГОРИНЧОЙ, Н.Н. Исследование Динамики Электронной Локализации в тетрамерном Металл-углеродном Нанокластере с Учетом Эффектов Поляризации. In: *6<sup>th</sup> International Conference Telecommunications Electronic and Informatics ICTEI-2018*, Chisinau, May 24-28, с.215-216.