

Prof. dr. habil. Gheorghita ZBANCIOC

FIȘĂ DE EVALUARE 2024

I. ACTIVITATEA DE CERCETARE (40%) – Total criteriul I = 617,464 pct.

- 1. Articole științifice indexate ISI, cu afiliere Facultatea de Chimie -UAIC – 332,333 p*
- 3. Articole științifice publicate in extenso în volumele conferințelor, alte reviste de specialitate (cu ISSN), enciclopedii de specialitate – 14 p*
- 11. Citări și recenzii ale creației de autor, din ultimii 5 ani, pentru lucrările științifice publicate sub afilierea UAIC (exclus autocitări de autor) – 119,131 p*
- 12. Prezentare orală/poster la conferințe / sesiuni științifice (dovedită cu certificat/program) – 7,0 p*
- 14. Editor, membru în echipa editorială la reviste cotate Web of Science ori edituri recunoscute (inclusive Analele UAIC, reviste UAIC, reviste indexate BDI) – 80 p*
- 15. Coordonator, membru în comitetul științific al conferințelor, congreselor, colocviilor – 10 p*
- 16. Referent (peer-reviewer) – cu argumentarea unor dovezi – 55 p*

II. ACTIVITATEA DIDACTICĂ (40%) – Total criteriul II = 497,7 pct.

- II.1. Evaluare studenți– 95,7 p*
- II.2. Cursuri și manuale universitare cu ISBN/ISSN– 262 p*
- II.3. Materiale suport pentru curs, seminar, lucrări practice (se va puncta o singură dată pentru fiecare perioadă evaluată)– 60 p*
- II.4. Activitate de practică pedagogică/specialitate – 10 p*
- II.5.2. Membru comisii de doctorat (admitere, îndrumare doctoranzi în stagiul de 3 ani, susținere publică teză de doctorat) – 30 p*
- II.6. Coordonarea lucrărilor de licență/disertație/lucrări de grad - 40 p*

III. ACTIVITATEA INSTITUȚIONALĂ (20%) – Total criteriul III - 28 pct.

- 1.1. Contribuții la organizarea activității didactice și administrative: – 8 p*
- 1.5. Concursul de Chimie "Magda Petrovanu" – 20 p*

I. ACTIVITATEA DE CERCETARE (40%)

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1. Articole științifice indexate ISI, cu afiliere Facultatea de Chimie -UAIC – 332,333 p

Autor articol în Quartila:

Q1: $(100 + 100 \times \text{FI}) / \text{nr. autori}^*$.

Q2: $(75 + 100 \times \text{FI}) / \text{nr. autori}^*$.

Q3/4: $(50 + 100 \times \text{FI}) / \text{nr. autori}^*$ (ptr. Q3 și Q4 se consideră max. 2 articole în aceeași revistă/an)

Pentru autor principal se aplică un factor de multiplicare de 1,4; în cazul în care sunt mai mult de 3 autori principali (n), contribuția se împarte la numărul acestora; $(1 + 0,4/n)$

(FI = Factor de impact ISI –Web of Science, din ultimul an)

Zbancioc, G.; Mangalagiu, I.I.; Moldoveanu, C.: **The Effective Synthesis of New Benzoquinoline Derivatives as Small Molecules with Anticancer Activity.** *Pharmaceuticals* 17(1), 52, 2024. DOI: 10.3390/ph17010052 Q1 - PHARMACOLOGY & PHARMACY

$1.4 \times [(100 + 100 \times 4.3)/3] = 1.4 \times 176.66 = 247.33$

Mangalagiu, V.; Danac, R.; Diaconu, D.; Zbancioc, G.; Mangalagiu, I.I.: **Hybrids diazine: Recent Advancements in Modern Antimicrobial Therapy.** *Current Medicinal Chemistry* 31(19), 2687 – 2705, 2024. DOI: 10.2174/0929867330666230418104409 Q2 - CHEMISTRY, MEDICINAL.

$[(75 + 100 \times 3.5)/5] = 85.00$

3. Articole științifice publicate in extenso în volumele conferințelor, alte reviste de specialitate (cu ISSN), enciclopedii de specialitate – 14 p

30 puncte / număr autori

Autor principal: $1,4 \times 30 / \text{număr autori}^*$

Pentru autor principal se aplică un factor de multiplicare de 1,4; în cazul în care sunt mai mult de 3 autori principali (n), contribuția se împarte la numărul acestora; $(1 + 0,4/n)$

Gheorghita Zbancioc, Ionel Mangalagiu, Costel Moldoveanu. Sinteze de noi derivați benzochinolinici cu activitate anticanceroasă / SYNTHESSES OF NEW BENZOQUINOLINE DERIVATIVES WITH ANTICANCER ACTIVITY. Conferința științifică națională cu participare internațională „Integrare prin Cercetare și Inovare” dedicată Zilei internaționale a Științei pentru Pace și Dezvoltare, 7-8

noiembrie 2024. Științe exacte și ale naturii. ISBN 978-9975-62-808-2
<https://doi.org/10.59295/spd2024n.92>
1.4 x 30/3 = 14

11. Citări și recenzii ale creației de autor, din ultimii 5 ani, pentru lucrările științifice publicate sub afilierea UAIC (exclus autocitări de autor) – 119,131 p

Nr. puncte pentru citări în articole din Quartila:

Q1 - 10 puncte/număr autori*

Q2 - 8 puncte/număr autori*

Q3 - 6 puncte/număr autori*

Q4 - 4 puncte/număr autori*

non Q - 2 puncte/număr autori*

*Numărul de autori se referă la numărul de autori ai articolului citat.

Pentru **autor principal** se aplică un factor de multiplicare de **1,4**; în cazul în care sunt mai mult de **3** autori principali (n), contribuția se împarte la numărul acestora; $(1 + 0,4/n)$.

TOTAL CITĂRI – 119,131

Cited paper: Mangalagiu, V.; Danac, R.; Diaconu, D.; Zbancioc, G.; Mangalagiu, I.I.: **Hybrids diazine: Recent Advancements in Modern Antimicrobial Therapy.** *Current Medicinal Chemistry* 31(19), 2687 – 2705, 2024.

DOI: 10.2174/0929867330666230418104409

Total- 2.8

1. Antimicrobial activity of isoxazole derivatives: A brief overview Vashisht, K., Sethi, P., Bansal, A., Bansal, P. 2024 *Vietnam Journal of Chemistry*, doi: 10.1002/vjch.202400029, IF: 1.3 Q3

6/5=1.2

2. Negative Solvatochromism of the Intramolecular Charge Transfer Band in Two Structurally Related Pyridazinium-Ylids Avădănei, M.I., Grițco-Todirașcu, A., Dorohoi, D.O. 2024 *Symmetry* 16(11),1531, IF:

2.2 Q2

8/5=1.6

Cited paper: Zbancioc, G.; Mangalagiu, I.I.; Moldoveanu, C. A Review on the Synthesis of Fluorescent Five- and Six-Membered Ring Azaheterocycles. *Molecules* 27, 6321, 2022. DOI: 10.3390/molecules27196321

Total- 4.666

1. Facile single-step synthesis of pentaaryl-substituted pyrano[3,2-b]pyrrol-5(1H)-ones showing aggregation-induced emission Wang, Y., Chu, R., Wang, Y., (...), Sun, J., Yin, G. 2024 *Organic Chemistry Frontiers* 12(1), pp. 209-216 IF: 4.6 Q1

1.4x(10)/3=4.666

Cited paper: Dumitrelea, D.; Amariuca-Mantu, D.; Mangalagiu, V.; Antoci, V.; Zbancioc, G.; Mangalagiu, I.I.: Ultrasound assisted synthesis of hybrid quinoline-imidazole derivatives: a green synthetic approach, *RSC Advances*, 11, 38297-38301, 2021. DOI: 10.1039/D1RA07484A

Total- 6.066

1. An insight into sustainable and green chemistry approaches for the synthesis of quinoline derivatives as anticancer agents Kumaraswamy, B., Hemalatha, K., Pal, R., (...), Aayishamma, I., Aishwarya, N.V.S.S. 2024

European Journal of Medicinal Chemistry 275,116561. IF: 6.0 Q1

1.4x(10)/6=2.333

2. Recent Advances in the Synthesis and Applications of Phenylquinoline-4-carboxylic Acid Derivatives: A Comprehensive Review Saha, S., Pathak, D., Shah, K. 2024 Current Organic Chemistry 28(1), pp. 9-20.

IF: 1.7 Q3

1.4x(6)/6=1.4

3. Carbon atom insertion into N-heterocyclic carbenes to yield 3,4-dihydroquinoxalin-2(1H)-ones Lamb, JS; Koyama, F; (...); Suzuki, Y 2024 Organic Chemistry Frontiers 11(2), pp. 277-283 IF: 4.6 Q1

1.4x(10)/6=2.333

Cited paper: Antoci, V.; Oniciuc, L.; Amariuca-Mantu, D.; Moldoveanu, C.; Mangalagiu, V.; Amarandei, A.M.; Lungu, C.N.; Dunca, S.; Mangalagiu, I.I.; **Zbancioc, G.**: **Benzoquinoline Derivatives: A Straightforward and Efficient Route to Antibacterial and Antifungal Agents**, *Pharmaceuticals*, 14, 335, 2021. DOI: 10.3390/ph14040335

Total: 5.32

1. Synthesis of a novel 7-chloroquinoline-sulphocoumarin hybrid: Characterization, ADME profiling and elucidation of its antiproliferative and anti-EMT potential Chand, G., Kholia, D., Kumari, A., (...), Upadhyay, S.K., Joshi, P. 2024 Journal of the Indian Chemical Society 101(12), 101470. IF: 3.2 Q2

1.4x(8)/10=1.12

2. Identification of novel antimicrobial compounds in colostrum-associated Lactiplantibacillus plantarum ZFS 1 and 2 by integrating in vitro, machine learning and bioinformatics approaches Fiaz, Z., Noor, F., Ikram, A., (...), Aslam, M.Z., Arshad, N. 2024 Food Bioscience 62, 105098. IF: 4.8 Q1

1.4x(10)/10=1.4

3. Utilization of DMSO as a solvent-cum-reactant: synthesis of fused 2-aryl-4-methylquinolines Yashmin, S., Karthik, A.M., Khan, A.T. 2024 Organic and Biomolecular Chemistry 22(27), pp. 5608-5617 IF: 2.9 Q1

1.4x(10)/10=1.4

4. New insides into chimeric and hybrid azines derivatives with antifungal activity Balaes, T., Marandis, C.G., Mangalagiu, V., Glod, M., Mangalagiu, I.I. 2024 Future Medicinal Chemistry 16(11), pp. 1163-1180. IF: 3.2 Q3

1.4x(10)/10=1.4

Cited paper: Antoci, V.; Moldoveanu, C.; Danac, R.; Mangalagiu, V.; **Zbancioc, G.**: **Huisgen 3+2 Dipolar Cycloadditions of Phthalazinium Ylides to Activated Symmetric and Non-Symmetric Alkynes**, *Molecules*, 25, 04416, 2020. DOI: 10.3390/molecules25194416

Total: 1.68

1. A Green Synthetic Strategy for Pyrazolo[1,5-a]pyrimidin-7(4H)-one Derivatives by the Reaction of Aminopyrazoles and Symmetric/Non-symmetric Alkynes Assisted by KHSO₄ in Aqueous Media Das, S., Sangma, T.R.A., Marpna, L.B., Vishwakarma, J.N. 2024 Periodica Polytechnica Chemical Engineering 68(3), pp. 287-296. IF: 1.4 Q3

1.4x(6)/5=1.68

Cited paper: Al Matarneh, C.; Ciobanu, I.C.; Mangalagiu, V.; **Zbancioc, G.**; Danac, R.: **Microwave Assisted Synthesis of Six Member Ring Azaheterocycles with Antimycobacterial and Anticancer Activity**, *Rev. Chim. (Bucharest)*, 71(3), 287-293, 2020. DOI: 10.37358/RC.20.3.7998

Total: 1.12

1. Structural Elucidation of a New Puzzling Compound Emerged from Doebner Quinoline Synthesis Al-Matarneh, C.M., Nicolescu, A. 2024 MolBank 2024(3), M1841 IF: 0.6 Q4

1.4x(4)/5=1.12

Cited paper: Al Matarneh, C.M.; Amarandi, R.M.; Craciun, A.M.; Mangalagiu, I.I.; **Zbancioc, G.**; Danac, R.: **Design, Synthesis, Molecular Modelling and Anticancer Activities of New Fused Phenanthrolines**, *Molecules*, 25(3), 527, 2020. DOI: 10.3390/molecules25030527.

Total- 9.797

1. Synthesis, X-ray Diffraction and Computational Druglikeness Evaluation of New Pyrrolo[1.2-a][1,10]Phenanthrolines Bearing a 9-Cyano Group Cristea, M., Popa, M.M., Shova, S., (...), Banu, N.D., Dumitrascu, F. 2024 *Symmetry* 16(7), 911 IF: 2.2 Q2
1.4x(8)/6=1.866
2. PHYSICOCHEMICAL PARAMETERS INVOLVED IN THE INTERACTION OF SOME PHENANTHROLINE DERIVATIVES WITH JANUS KINASE-3 PROTEIN USING A THEORETICAL MODEL Marcela, RN; Lauro, FV; (...); Julliete, MS 2024 *HETEROCYCLIC LETTER* 14 (2), pp.273-286 IF: 0.1 Q4
1.4x(4)/6=0.933
3. Synthetic Approaches to Novel Human Carbonic Anhydrase Isoform Inhibitors Based on Pyrrol-2-one Moiety Al-Matarneh, C.M., Pinteala, M., Nicolescu, A., (...), Bonardi, A., Gratteri, P. 2024 *Journal of Medicinal Chemistry* 67(4), pp. 3018-3038 IF: 6.9 Q1
1.4x(10)/6=2.333
4. New Library of Iodo-Quinoline Derivatives Obtained by an Alternative Synthetic Pathway and Their Antimicrobial Activity Al-Matarneh, C.M., Nicolescu, A., Marinaş, I.C., (...), Sillion, M., Pinteală, M. 2024 *Molecules* 29(4),772 IF: 4.2 Q2
1.4x(8)/6=1.866
5. Synthesis of New Zinc and Copper Coordination Polymers Derived from Bis (Triazole) Ligands Al-Matarneh, M.C., Nicolescu, A., Dascalu, I.-A., (...), Danac, R., Marinas, I.-C. 2024 *Crystals* 14(2),144 IF: 2.4 Q2
1.4x(8)/6=1.866
6. NEW MONOQUATERNARY SALTS OF N-HETEROCYCLES: SYNTHESIS AND ANTITUMOR ASSESSMENT Sardaru, M.-C., Al Matarneh, C.-M., Simionescu, N., (...), Pinteala, M., Danac, R. 2024 *Revue Roumaine de Chimie* 69(1-2), pp. 63-74 IF: 0.4 Q4
1.4x(4)/6=0.933

Cited paper: Antoci, V.; Cucu, D.; **Zbancioc, G.**; Moldoveanu, C.; Mangalagiu, V.; Amăriucăi-Mantu, D.; Aricu, A.; Mangalagiu, I.I.: **Bis-(imidazole/benzimidazole)-pyridine derivatives: synthesis, structure and antimycobacterial activity. Part XII**, *Future Medicinal Chemistry*, 12(3), 207-222, 2020, (IF 2018/2019=3.617), DOI: 10.4155/fmc-2019-0063.

Total- 8.0

1. Development of a novel and efficient method for synthesizing N-benzyl-substituted di-benzimidazole derivatives Bodkhe, A., Pansare, D., Karpe, D., (...), Shinde, R., Lawande, S. 2024 *Results in Chemistry* 13,101937. IF: 2.5 Q2
8/8=1.0
2. Nitrogen-containing heterocyclic drug products approved by the FDA in 2023: Synthesis and biological activity Luo, W., Liu, Y., Qin, H., (...), Tang, S., Peng, J. 2024 *European Journal of Medicinal Chemistry* 279,116838. IF: 6.0 Q1
10/8=1.25
3. Advances in synthesis, medicinal properties and biomedical applications of pyridine derivatives: A comprehensive review Sahu, D., Sreekanth, P.S.R., Behera, P.K., (...), Salunkhe, S., Cep, R. 2024 *European Journal of Medicinal Chemistry Reports* 12,100210. IF: 4.0 Q2
8/8=1.0

4. A benzimidazolium salt induces apoptosis and arrests cells at sub-G1 phase in epithelial ovarian cancer cells Akar, S., Cakir, M., Ozkol, H., Akkoc, S. **2024** *Molecular Biology Reports* 51(1),66. IF: 2.6 Q3
6/8=0.75
5. Facile ZnO NPs catalyzed synthesis of substituted 4-amino-6-(1H-benzimidazol-2-ylsulfanyl)benzene-1,3-dicarbonitrile new derivatives as Potent biological agents Champa, R., Vishnumurthy, K.A., Bodke, Y.D., (...), Satyanarayan, N.D., Nippu, B.N. **2024** *Current Chemistry Letters* 13(3), pp. 569-592. IF: 0 nonQ
2/8=0.25
6. Recent pharmacological insights about imidazole hybrids: a comprehensive review Poyraz, S., Yildirim, M., Ersatir, M. **2024** *Medicinal Chemistry Research* 33(6), pp. 839-868. IF: 2.6 Q3
6/8=0.75
7. Synthesis, Characterization and Antibacterial Activity of Some Novel Pyridof[2,3-b]indole, Morpholine and Chalcone Hybrid Compounds Bhaskar, J.U., Rao, G.S., Chatterjee, P., (...), Rao, S.S., Rao, B.P. **2024** *Asian Journal of Chemistry* 36(11), pp. 2598-2602. IF: 0.355 Q4
4/8=0.5
8. Synthesis of Polysubstituted Pyridines via Nitrogen-doped Graphene Catalyzed One-pot Multicomponent Reaction under Solvent-free Conditions Movahed, Z., Valizadeh, H., Mirzaei, F. **2024** *Current Organic Chemistry* 28(11), pp. 890-895. IF: 1.7 Q3
6/8=0.75
9. New insides into chimeric and hybrid azines derivatives with antifungal activity Balaes, T., Marandis, C.G., Mangalagiu, V., Glod, M., Mangalagiu, I.I. **2024** *Future Medicinal Chemistry* 16(11), pp. 1163-1180. IF: 3.2 Q3
6/8=0.75
10. Synthesis and Biological Activities of Heterocyclic Hybrids Containing Piperidine and Pyridine Moieties: Recent Developments Pemawat, G., Bhatnagar, A., Khangarot, R.K. **2024** *Mini-Reviews in Organic Chemistry* 21(3), pp. 346-369. IF: 1.9 Q2
8/8=1.0

Cited paper: Moldoveanu, C.; Amariuca-Mantu, D.; Mangalagiu, V.; Antoci, V.; Maftai D.; Mangalagiu, I.I.; **Zbancioc, G.:** Microwave Assisted Reactions of Fluorescent Pyrrolodiazine Building Blocks, *Molecules*, 24(20), 3760, 2019. DOI: 10.3390/molecules24203760

Total- 1.599

1. N-Bridgehead pyrrolodiazines (1998–2023) Dumitrascu, F., Georgescu, E., Georgescu, F. **2024**
Advances in Heterocyclic Chemistry doi: 10.1016/bs.aihch.2024.10.003. IF: 3.6 Q2
1.4x(8)/7=1.599

Cited papaer: Moldoveanu, C.; Mangalagiu, I.I.; Isac, D.L.; Airinei, A.; **Zbancioc, G.:** A New Pathway for the Synthesis of a New Class of Blue Fluorescent Benzofuran Derivatives, *Molecules*, 23(8), 1968, 2018. DOI: 10.3390/molecules23081968

Total- 2.8

1. Visible-light promoted oxidative annulation of 2-naphthols with phenylglyoxal monohydrates toward hydroxy-naphthofuranone and its derivatives Hemamalini, V., Shanthi, M., Shankar, B., (...), Perumal, K., Ramesh, S. **2024**
Organic and Biomolecular Chemistry 22(26), pp. 5314-5324. IF: 2.9 Q1
1.4x(10)/5=2.8

Cited paper: Mantu, D.; Antoci, V.; Moldoveanu, C.; **Zbancioc, G.**; Mangalagiu, I.I.: **Hybrid imidazole (benzimidazole) / pyridine (quinoline) derivatives with anticancer and antimycobacterial activity**, *Journal Of Enzyme Inhibition And Medicinal Chemistry*, 31(S2), 96–103, 2016. DOI:10.1080/14756366.2016.1190711

Total- 10.0

1. 1-(2-(3,5-Di-tert-butyl-4-hydroxyphenyl)-2-oxoethyl) Quinolin-1-ium Bromide Rusew, R., Iliev, K., Kurteva, V., Shivachev, B. 2024 *MolBank* 2024(1),M1763. IF: 0.6 Q4
4/5=0.8
2. Quinoline and Coumarin-Tethered N-Alkylated Phenanthroimidazole Hybrides and Divalent Copper Complexes Yılmaz Obalı, A. 2024 *Polycyclic Aromatic Compounds* Article in Press doi: 10.1080/10406638.2024.2437415. IF: 2.4 Q2
8/5=1.6
3. Benzimidazole as a Privileged Scaffold in Drug Design and Discovery Kumar, R., Marianesan, A.B., Pathak, S. 2024 *Current Topics in Medicinal Chemistry* 24(17), pp. 1504-1528. IF: 2.9 Q3
6/5=1.2
4. Part 2, Studies on the Synthesis of Quinolone Derivatives with their Biological Activity Saxena, N., Shankhdhar, S., Kumar, A., Srivastava, N. 2024 *Current Organic Chemistry* 28(3), pp. 185-212. IF: 1.7 Q3
6/5=1.2
5. Quinoline: A versatile bioactive scaffold and its molecular hybridization Bala, I.A., Al Sharif, O.F., Asiri, A.M., El-Shishtawy, R.M. 2024 *Results in Chemistry* 7, 101529. IF: 2.5 Q2
8/5=1.6
6. Nano-nutraceuticals to Combat Oxidative Stress: Unlocking Newer Paradigms in Adjuvant Therapy Pooja; Pandey, M; (...); Chawla, PA 2024 *Current Topics in Medicinal Chemistry* 24 (17) , pp.1490-1503 IF: 2.9 Q3
6/5=1.2
7. Synthesis, Structure-activity Relationship, and Biological Activity of Benzimidazole-quinoline: A Review to Aid in the Design of a New Drug Datt, V., Salahuddin, Mazumder, A., (...), Yar, M.S., Ahsan, M.J. 2024 *Letters in Drug Design and Discovery* 21(6), pp. 998-1032. IF: 1.2 Q4
4/5=0.8
8. Synthesis, Characterization, DFT Studies, Biological Investigation and Molecular Modelling of Novel 1-(5-(1H-imidazol-1-yl)-3-methyl-1-phenyl-1H-pyrazol-4-yl)-3-amino-2-cyano-N-phenyl-1H-benzof[chromene]-5-carboxamide Derivatives Patel, R., Sharma, P., Koshti, R.R., Vyas, A., Sangani, C.B. 2024 *Asian Journal of Chemistry* 36(2), pp. 361-370. IF: 0.355 Q4
4/5=0.8
9. Review on the Discovery of New Benzimidazole Derivatives as Anticancer Agents: Synthesis and Structure-activity Relationship (2010-2022) Shabana, K., Salahuddin, Mazumder, A., (...), Ahsan, M.J., Sarafroz, M. 2024 *Letters in Drug Design and Discovery* 21(3), pp. 451-479. IF: 1.2 Q4
4/5=0.8

Cited paper: Aricu, A.; Ciocarlan, A.; Lungu, L.; Barba, A.; Shova, S.; **Zbancioc, G.**; Mangalagiu, I.; D'Ambrosio, M.; Vornicu, N.: **Synthesis, antibacterial and antifungal activities of new drimane sesquiterpenoids with azaheterocyclic units**, *Medicinal Chemistry Research*, 25, 2316-2323, 2016. DOI:10.1007/s00044-016-1665-0

Total- 1.999

1. Synthesis of Antimicrobial Norlabdane Compounds with Rearranged Cycle B and Molecular Docking Studies Ciocarlan, A., Lungu, L., Shova, S., (...), Kulcitzki, V., Aricu, A. 2024 *Molecules* 29(23), 5714. IF: 4.2 Q2
8/9=0.888
2. Discovery of a Biocontrol Strain Trichaptum laricinum: Its Metabolites and Antifungal Activity against Pathogenic Fungus Colletotrichum anthrisci Huang, S.-S., Yang, H.-X., He, J., Liu, J.-K., Feng, T. 2024 *Journal of Agricultural and Food Chemistry* 72(23), pp. 13154-13163. IF: 5.7 Q1

10/9=1.111

Cited paper: Moldoveanu, C.; **Zbancioc, G.**; Mantu, D.; Maftai, D.; Mangalagiu, I.I.: **The cycloaddition of the benzimidazolium ylides with alkynes: new mechanistic insights**, *Plos One*, 11(5), e0156129, 2016.

DOI:10.1371/journal.pone.0156129

Total- 2.8

1. Carbon atom insertion into N-heterocyclic carbenes to yield 3,4-dihydroquinoxalin-2(1H)-ones Lamb, JS; Koyama, F; (...); Suzuki, Y 2024 *Organic Chemistry Frontiers* 11(2), pp. 277-283 IF: 4.6 Q1
 $1.4x(10)/5=2.8$

Cited paper: **Zbancioc, G.**; Mangalagiu, I.; Moldoveanu, C.: **Ultrasound assisted synthesis of imidazolium salts: An efficient way to ionic liquids**, *Ultrasonics Sonochemistry*, 23(c), 376-384, 2015. DOI:

10.1016/j.ultsonch.2014.10.028

Total- 15.865

1. Advancements in ionic liquid-based corrosion inhibitors for sustainable protection strategies: from experimental to computational insights Kumar, P., Holmberg, K., Soni, I., (...), Sillanpää, M., Chauhan, V. 2024

Advances in Colloid and Interface Science 333, 103303. IF: 16.0 Q1

$1.4x(10)/3=4.666$

2. Novel carbazolyl-thiazolyl-chromone and carbazolyl-thiazolyl-pyrazole hybrids: synthesis, cytotoxicity evaluation and molecular docking studies Hassanin, N.M., Ali, T.E., Assiri, M.A., Abdel-Kariem, S.M. 2024

RSC Advances 14(24), pp. 17245-17260. IF: 3.9 Q2

$1.4x(8)/3=3.733$

3. A rapid and large volume synthesis of mono-, di-, tri-, and tetra-substituted imidazole derivatives via ultrasonic radiation-driven technique Shaikh, M.S., Kale, M.A., Zehravi, M., (...), AbdElrahim, E., Khandaker, M.U. 2024

Radiation Effects and Defects in Solids 179(3-4), pp. 431-450. IF: 1.1 Q3

$1.4x(6)/3=2.8$

4. Functionalized imidazolium ionic liquids-modified chitosan materials: From synthesis approaches to applications Alqahtani, N.F. 2024 *Reactive and Functional Polymers* 194,105779. IF: 4.5 Q1

$1.4x(10)/3=4.666$

Cited paper: Zbancioc, A.M.; Miron, A.; Tuchilus, C; Rotinberg, P.; Mihai, C.T.; Mangalagiu, I.; **Zbancioc, Ghe:** **Synthesis and in vitro analysis of novel dihydroxyacetophenone derivatives with antimicrobial and antitumor activities**, *Medicinal Chemistry*, 10(5), 476-483, 2014. DOI: 10.2174/15734064113096660070

Total- 0.799

1. IN VITRO PROSPECTION OF ANTICANCER ACTIVITY OF SOME BROMINATED DERIVATIVES WITH ACETOPHENONE SCAFFOLD Zbancioc, A.-M., Vasincu, A., Miron, A., Tataringa, G. 2024 *Farmacia*

72(2), pp. 418-426. IF: 1.4 Q4

$1.4x(4)/7=0.799$

Cited paper: **Zbancioc, G.**; Zbancioc, A.M.; Mangalagiu, I.: **Ultrasound and microwave assisted synthesis of dihydroxyacetophenone derivatives with or without 1,2-diazine skeleton**, *Ultrasonics Sonochemistry*, 21(2), 802-811, 2014. DOI: 10.1016/j.ultsonch.2013.09.012

Total- 11.198

1. Synthesis and Antibacterial Evaluation of Benzopyran Derivatives Based on Microwave-Mediated Molecular Cyclization Ji, Y., Hu, L., Zhang, Z. **2024** *Journal of the Chemical Society of Pakistan* 46(3), pp. 309-312. IF: 0.6 Q4
1.4x(4)/3=1.866
2. Novel carbazolyl-thiazolyl-chromone and carbazolyl-thiazolyl-pyrazole hybrids: synthesis, cytotoxicity evaluation and molecular docking studies Hassanin, N.M., Ali, T.E., Assiri, M.A., Abdel-Kariem, S.M. **2024** *RSC Advances* 14(24), pp. 17245-17260. IF: 3.9 Q2
1.4x(8)/3=3.733
3. N-Bridgehead pyrrolodiazines (1998–2023) Dumitrascu, F., Georgescu, E., Georgescu, F. **2024** *Advances in Heterocyclic Chemistry* doi: 10.1016/bs.aihch.2024.10.003. Q2
1.4x(8)/3=3.733
4. IN VITRO PROSPECTION OF ANTICANCER ACTIVITY OF SOME BROMINATED DERIVATIVES WITH ACETOPHENONE SCAFFOLD Zbancioc, A.-M., Vasincu, A., Miron, A., Tataringa, G. **2024** *Farmacia* 72(2), pp. 418-426. IF: 1.4
1.4x(4)/3=1.866

Cited paper: Mantu, D.; Luca, M.C, Moldoveanu, C.; **Zbancioc, Ghe.**; Mangalagiu I. I.: **Synthesis and antituberculosis activity of some new pyridazine derivatives. Part II**, *Eur. J. Med. Chem*, 45, 5164-5168, 2010. ISSN: 0223-5234.

Total: 8.8

1. Pyridazinone: A privileged scaffold for synthetic and biomedical applications Kushwaha, B., Kushwaha, N.D., Shaik, B.B., (...), Mohite, S.B., Karpoornath, R. **2024** *Journal of Molecular Structure* 1326,140948. IF: 4.0 Q1
10/5=2.0
2. Negative Solvatochromism of the Intramolecular Charge Transfer Band in Two Structurally Related Pyridazinium—Ylids Avădănei, M.I., Grițco-Todirașcu, A., Dorohoi, D.O. **2024** *Symmetry* 16(11),1531. IF: 2.2 Q2
8/5=1.6
3. Synthesis, In Vitro Antimycobacterial Activity of Some 2-((5-Amino-1,3,4-Thiadiazol-2-yl)methyl)-6-Aryl-Tetrahydropyridazin-3-One Derivatives Allahyani, M., Alsharif, A., Almeahadi, M., Verma, S., Asif, M. **2024** *Pharmaceutical Chemistry Journal* 58(5), pp. 753-758. IF: 0.8 Q4
4/5=0.8
4. Design, synthesis, and biological evaluation of some new 2-phenyl-3,6-pyridazinedione derivatives as PDE-5 inhibitors Abd-Rabo, Z.S., George, R.F., Zaafar, D.K., Gawish, A.Y., Serry, A.M. **2024** *Bioorganic Chemistry* 145,107213. IF: 4.5 Q1
10/5=2.0
5. Synthesis, antimycobacterial and antifungal evaluation of new 4-(furan-2-ylmethyl)-6-methylpyridazin-3(2H)-ones | [СИНТЕЗА И ИСПИТИВАЊЕ АНТИМИКОБАКТЕРИЈСКЕ И АНТИФУНГАЛНЕ АКТИВНОСТИ НОВИХ ДЕРИВАТА 4-(ФУРАН-2-ИЛМЕТИЛ)-6-МЕТИЛПИРИДАЗИН-3(2Н)-ОНА] Karayavuz, B., Vagolu, S.K., Kart, D., Tønjum, T., Unsal-Tan, O. **2024** *Journal of the Serbian Chemical Society* 89(11), pp. 1423-1431. IF: 1.0 Q4
4/5=0.8
6. An overview of pyridazin-3(2H)-one: a core for developing bioactive agents targeting cardiovascular diseases and cancer Abd-Rabo, Z.S., Serry, A.M., George, R.F. **2024** *Future Medicinal Chemistry* 16(16), pp. 1685-1703. IF: 3.2 Q3
6/5=1.2

7. Preparation of Some New Pyrazine and Triazine Derivatives and Study of their Antimicrobial and Anticancer activities ALAbady, A.A., Al-Majidi, S.M.H. 2024 *Iraqi Journal of Science* 65(5), pp. 2357-2372. IF: 0 nonQ
2/5=0.4

Cited paper: Zbancioc, G; Zbancioc, A.M.; Mangalagiu, I.I.; **Environmentally friendly Methods for synthesis of new aromatic bisesters**, *Synthetic commun.*, 40(15), 2201-2208, 2010. ISSN: 0039-7911.

Total- 2.8

1. Zinc-mediated efficient and environmentally benign synthesis of salicylate esters Taşdemir, H., Traş, S., Çat, Y., Güner, S., Sağırılı, A. 2024 *Flavour and Fragrance Journal* 39(5), pp. 293-301. IF: 2.1 Q3
1.4x(6)/3=2.8

Cited paper: Zbancioc, G; Huhn, T.; Groth, U; Deleanu, C.; Mangalagiu, I; **Pyrrolopyridazine derivatives as blue organic luminophores: synthesis and properties. Part 3**, *Tetrahedron*, 66, 4298-4306, 2010. ISSN: 0040-4020.

Total- 2.24

1. Green Synthesis of Highly Fluorescent NCODs: A Comprehensive Study on Synthesis, Characterization, Photophysical Properties, pH Sensing, Heavy Metal Detection, and Solvatochromic Behavior through Hydrothermal Method Negi, P., Rawat, B.S., Joshi, N.C., (...), Kumar, N., Singh, V. 2024 *Journal of Fluorescence* doi: 10.1007/s10895-024-03710-z IF: 2.6 Q2
1.4x(8)/5=2.24

Cited paper: Zbancioc, G; Mangalagiu, I; **Pyrrolopyridazine derivatives as blue organic luminophores: synthesis and properties. Part 2**, *Tetrahedron*, 66, 278-282, 2010. ISSN: 0040-4020.

Total- 2.24

1. N-Bridgehead pyrrolodiazines (1998–2023) Dumitrascu, F., Georgescu, E., Georgescu, F. 2024 *Advances in Heterocyclic Chemistry* doi: 10.1016/bs.aihch.2024.10.003 IF: 3.6 Q2
1.4x(8)/5=2.24

Cited paper: Balan A.M.; Florea O.; Moldoveanu, C.; Zbancioc Ghe; Iurea, D.; Mangalagiu I. I.: **Diazinium salts with dihydroxyacetophenone skeleton: Syntheses and antimicrobial activity**, *European Journal of Medicinal Chemistry*, 44, 2275-2279, 2009.

Total- 2.333

1. Solvent role in molecular structure level (TD-DFT), topology, and molecular docking studies on liquid 2', 4'-dichloroacetophenone Mallika, S., Revathi, B., Balachandran, V., (...), Arumugam, N., Djearmane, S. 2024 *Journal of King Saud University – Science* 36(11),103574. IF: 3.7 Q1
10/6=1.666

2. IN VITRO PROSPECTION OF ANTICANCER ACTIVITY OF SOME BROMINATED DERIVATIVES WITH ACETOPHENONE SCAFFOLD Zbancioc, A.-M., Vasincu, A., Miron, A., Tatarina, G. 2024 *Farmacia* 72(2), pp. 418-426. IF: 1.4 Q4
4/6=0.666

Cited paper: Balan, A.M.; Zbancioc, G.; Bentea, E.; Carja, I.; Ungureanu, M; Tuchilus, C; Mangalagiu, I; **Synthesis and antimicrobial activity of new aromatic esters of potential interest in supramolecular chemistry**, *Rev. Chim.*, 60 (10), 1021-1024, 2009

Total- 1.143

1. Novel ionic polymers encompassing di-cationic pyridinium hydrazones and aromatic ester as potent antimicrobial agents against resistant bacteria Al-Sodies, S., Asiri, A.M., Thabet, M.A., (...), Rezki, N., Hussein, M.A. **2024**
Polymer 308,127400. IF: 4.1 Q2
8/7=1.143

Cited paper: Mangalagiu, I.I.; Florescu, M.; **Zbancioc, G.**; Caprosu, M.: **Synthesis of new 1,2-diazine nanomaterials through conventional and nonconventional methods**, *Journal of Physics: Conferince Series*, **2007**, *61*, 484-486.

Total- 2.0

1. Green Synthesis of Highly Fluorescent NCODs: A Comprehensive Study on Synthesis, Characterization, Photophysical Properties, pH Sensing, Heavy Metal Detection, and Solvatochromic Behavior through Hydrothermal Method Negi, P., Rawat, B.S., Joshi, N.C., (...), Kumar, N., Singh, V. **2024** *Journal of Fluorescence* doi: 10.1007/s10895-024-03710-z IF: 2.6 Q2
8/4=2.0

Cited paper: **Zbancioc, G.**; Mangalagiu, I.: **Microwave-assisted synthesis of highly fluorescent pyrrolopyridazine derivatives**, *SynLett*, **2006**, (05), 0804-0806.

Total- 8.4

1. Synthesis and Antibacterial Evaluation of Benzopyran Derivatives Based on Microwave-Mediated Molecular Cyclization Ji, Y., Hu, L., Zhang, Z. **2024** *Journal of the Chemical Society of Pakistan* 46(3), pp. 309-312. IF: 0.6 Q4
1.4x(4)/2=2.8
2. N-Bridgehead pyrrolodiazines (1998–2023) Dumitrascu, F., Georgescu, E., Georgescu, F. **2024**
Advances in Heterocyclic Chemistry doi: 10.1016/bs.aihch.2024.10.003. IF: 3.6 Q2
1.4x(8)/2=5.6

Cited paper: Moldoveanu, C.; Mangalagiu, G.; **Zbancioc, G.**; Drochioiu, G.; Caprosu, M.; Mangalagiu, I.I.: **4-(4-Chlorophenyl)pyrimidinium ylides, 1. Structure, stability, reactivity**, *Arkivoc*, **2005**, (i), 7-19.

Total- 2.666

1. N-Bridgehead pyrrolodiazines (1998–2023) Dumitrascu, F., Georgescu, E., Georgescu, F. **2024**
Advances in Heterocyclic Chemistry doi: 10.1016/bs.aihch.2024.10.003. IF: 3.6 Q2
8/6=1.333
2. Molecular Construction Using Formamide as a CI Feedstock Sacchelli, BAL; Rocha, BC; (...); Andrade, LH **2024** *European Journal of Organic Chemistry* 27 (6) DOI10.1002/ejoc.202300930 IF: 2.5 Q2
8/6=1.333

12. Prezentare orală/poster la conferințe / sesiuni științifice (dovedită cu certificat/program)– 7,0 p

Prezentare orală: 15 puncte/număr autori

Poster: 10 puncte/număr autori

Se va aplica un factor de multiplicare = 1,4 pentru autorul care prezintă.

Total 7.0 p

1) **Gheorghita Zbancioc**, Ionel Mangalagiu, Costel Moldoveanu. **SYNTHESSES OF NEW BENZOQUINOLINE DERIVATIVES WITH ANTICANCER ACTIVITY**. *Conferința științifică*

națională cu participare internațională „Integrare prin Cercetare și Inovare” dedicată Zilei internaționale a Științei pentru Pace și Dezvoltare, 7-8 noiembrie 2024 UNIVERSITATEA DE STAT DIN MOLDOVA. (oral presentation, pag. 55).
1.4 x15/3=7.0

14. Editor, membru in echipa editoriala la reviste cotate Web of Science ori edituri recunoscute (inclusive Analele UAIC, reviste UAIC, reviste indexate BDI) – 80 p

Reviste cotate Web of Science ori edituri recunoscute (BDI):

Editor șef:	Editor și membru în echipa editorială:	Guest editor:
ACI – (30 puncte+ nr. articole primite)/an	Q1 – 25 puncte/an	Q1, Q2 – 20 puncte/volum
Q1 – 50 puncte/an	Q2 – 20 puncte/an	Q3, Q4 – 10 puncte/volum
Q2 – 40 puncte/an	Q3 – 15 puncte/an	
Q3 – 30 puncte/an	Q4 – 10 puncte/an	
Q4 – 20 puncte/an	Non Q + cărți – 5 puncte/an	
Non Q + cărți – 10 puncte/an		

Guest Editor MDPI - journal *Molecules* (Q2) Prof. Dr. Gheorghita Zbancioc pentru Special Issue “Recent Progress in Green Organic Synthesis”

20

Guest Editor MDPI - journal *Molecules* (Q2) Prof. Dr. Gheorghita Zbancioc pentru Special Issue “Synthesis and Biologically Relevant Heterocyclic Compounds”

20

Guest Editor MDPI - journal *Molecules* (Q2) Prof. Dr. Gheorghita Zbancioc and prof dr. Costel Moldoveanu pentru Special Issue “Advances in Ultrasound Chemistry (Volume II)”

20

Guest Editor MDPI - journal *Molecules* (Q2) Prof. Dr. Gheorghita Zbancioc pentru Special Issue “Design, Synthesis and Evaluation of Novel Anticancer Agents, 2nd Edition”

20

15. Coordonator, membru în comitetul științific al conferințelor, congreselor, colocviilor – 10 p

Coordonator: 20 puncte/ manifestare;

Membru: 10 puncte/ manifestare

Membru in comitetul stiintific Sesiunea de comunicari științifice a studentilor, masteranzilor si doctoranzilor - "CHIMIA - FRONTIERĂ DESCHISĂ SPRE CUNOAȘTERE", ediția a XV-a, Iași, 27 iunie 2024. – 10 p

16. Referent (peer-reviewer) – cu argumentarea unor dovezi – 55 p

reviste de specialitate:

Q1 – 20 puncte

Q2 – 15 puncte

Q3/Q4 – 10 puncte

Non Q – 5 puncte

Total- 55 p

Molecules- 3248413 – Isolation of ursolic acid from *Mimusops caffra* and semi-synthesis of its components plus the in vitro bioassays September 24, 2024 (Molecules Q2)

15 p

Referent la lucrarea: **ACI_328_2024** " *SYNTHESIS, EVALUATION OF THE BIOLOGICAL ACTIVITY AND ANTI-OXIDANT FOR SOME HETEROCYCLIC COMPOUNDS SEVEN* " submitted by *Nadia Sadiq Majeed* (ACI Q4)

10 p

Referent la lucrarea: **ACI_340_2024** " *Synthesis, Coordination study, and Anti-microbial ability of New Mixed-ligand complexes derivatized from azo imidazole, and 1,10-phenanthroline* " submitted by *Israa N. Witwit et al.* (ACI Q4)

10 p

Referent la lucrarea: **ACI_351_2024** " *Synthesis of azidosugar derivatives and evaluation their anti-bacterial activity* " submitted by *Hawraa M. Hmeidi* (ACI Q4)

10 p

Referent la lucrarea: **ACI_360_2024** " *Synthesis and Antibacterial Activity of New Azole Derivatives Incorporating with Etodolac* " submitted by *Zeyad Kadhim Oleiwi et al.* (ACI Q4)

10 p

II. ACTIVITATEA DIDACTICĂ (40%)

Total criteriul II – 497,7 puncte

II.1. Evaluare studenti– 95,7 p

II.2. Cursuri și manuale universitare cu ISBN/ISSN– 262 p

II.3. Materiale suport pentru curs, seminar, lucrări practice (se va puncta o singură dată pentru fiecare perioadă evaluată)– 60 p

II.4. Activitate de practică pedagogică/specialitate – 10 p

II.5.2. Membru comisii de doctorat (admitere, îndrumare doctoranzi în stagiul de 3 ani, susținere publică teză de doctorat) – 30 p

II.6. Coordonarea lucrărilor de licență/disertație/lucrări de grad - 40 p

II.1. Evaluare student – 95,7 p

10 ×suma punctajelor anuale obținute în perioada care face obiectul raportării.

Anul 2024 – 9,57

$10 \times 9.57 = 95.7$ p

II.2. Cursuri și manuale universitare cu ISBN/ISSN– 262 p

50 puncte la 25 pagini / număr de autori

-cu dovezi clare pentru autori, format, număr pagini, editură, an.

*Calculul standard se va realiza pentru formatul academic, iar pentru celelalte formate se calculează proportional.

Zbancioc, G., Produsi naturali bioactivi. Edirura Pim, 2024. ISBN: 978-606-13-8194-4. Format B5 (academic) - 131 pagini

$50 \times 131 / 25 = 262$

II.3. Materiale suport pentru curs, seminar, lucrări practice (se va puncta o singură dată pentru fiecare perioadă evaluată) – 60 p

5 puncte - suport curs× nr. de ore din planul de învățământ

5 puncte - suport lab./sem.

5 puncte - fișa disciplină

Materiale suport curs:

1. Licenta - anul I, semestrul 2

Disciplina: Hidrocarburi – 2c in planul de invatamant

Elaborare material suport curs- 5x2=10 p

2. Master - Chimie clinica, anul II, semestrul 2

Disciplina: Hormoni, steroide si compusi polienici cu activitate biologica – 2c in planul de invatamant

Elaborare material suport curs- 5x2=10 p

3. Master - CPCF, anul II, semestrul 2

Disciplina: Medicamente de bio- și semisinteză – 2c in planul de invatamant

Elaborare material suport curs- 5x2=10 p

Materiale suport lucrari practice:

1. Licenta - anul I, semestrul 2

Disciplina: Hidrocarburi

Elaborare material suport lucrari practice – 5 p

2. Master - Chimie clinica, anul II, semestrul 2

Disciplina: Hormoni, steroide si compusi polienici cu activitate biologica

Elaborare material suport lucrari practice – 5 p

3. Master - CPCF, anul II, semestrul 2

Disciplina: Medicamente de bio- și semisinteză

Elaborare material suport lucrari practice – 5 p

Fisa disciplinei:

1. Anul I Trunchi comun, semestrul 1, Disciplina : Hidrocarburi 5 p

2. Anul II Master Chimie clinica, anul II, semestrul 2, Disciplina : Hormoni, steroide si compusi polienici cu activitate biologica 5 p

3. Anul II Master CPCF, anul II, semestrul 2, Disciplina : Medicamente de bio- și semisinteză 5 p

II.4. Activitate de practică pedagogică/specialitate – 10 p

10 puncte/ activitate/an

Coordonator grupa practica pedagogica CN Costache Negruzzi – prof Vasile Sorohan – 10 p

II.5.2. Membru comisii de doctorat (admitere, îndrumare doctoranzi în stagiul de 3 ani, susținere publică teză de doctorat) – 30 p

10 puncte / comisie/an

Membru in comisia de admitere la doctorat in cazul doctorandei Birgoanu Ana – 10 p

Membru in comisia de indrumare in cazul doctorandei Marandis Camelia Georgiana conducator prof. dr Ionel Mangalagiu – 10 p

Membru in comisia pentru sustinerea referatului de doctorat “Pirolochinoline: sinteza si aplicatii” a drd Marandis Camelia Georgiana la data de 30 Septembrie 2024 – 10p

II.6. Coordonarea lucrărilor de licență/disertație/lucrări de grad - 40 p

Dizertație, lucrare gradul I: 15 puncte / lucrare susținută;

Licență: 10 puncte/lucrare susținută

- *studenti licenta- 1x10=10 p*

Iulie2024	310210301RSL211076	TICALEAC D. CLAUDIU	2024	4	8.63	10	9.31	Conf. dr. habil. Zbancioc Gheorghijă
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- *studenti master- 2x15=30 p*

Iulie2024	310210103006SM221011	DINEAȚĂ D. OANA-VALENTINA	2024	3	9			Conf. dr. habil. Zbancioc Gheorghijă
Iulie2024	310210103006SM211017	NECULAI A. ALEXANDRA	2023	3	9.25			Conf. dr. habil. Zbancioc Gheorghijă

III. ACTIVITATEA INSTITUȚIONALĂ (20%)

Total criteriul III - 28 pct.

1.1. Contribuții la organizarea activității didactice și administrative: – 8 p

1.5. Concursul de Chimie "Magda Petrovanu" – 20 p

1.1. Contribuții la organizarea activității didactice și administrative: - 8 p

Comisie Orar: 20p

Membru activ comisie admitere -20p

Membru activ comisii de licență/disertație (președinte, membru, secretar)-10 p

Tutoriat – 10 p/an

Supraveghere examen de licență-2p

Alte activitati: 2p

Comisiile de licență admitere, disertație se punctează o singura dată (dovadă Hotărâre Consiliul Facultății).

Total- 8 p

- Membru in comisia electorala a Facultatii de Chimie pentru mandatul 2024 – 2029 (Hotararea Consiliului Facultatii de Chimie nr 1 din 29-11-2023) – 2 p
- Membru in comisia de contestatii la nivelul Facultatii de Chimie conform art 51 alin 3 din Metodologia de concurs pentru ocuparea posturilor didactice si de cercetare (Hotararea Consiliului Facultatii de Chimie nr 1 din 21-03-2024) – 2 p

- Membru in comisia de evaluare si asigurare a calitatii pentru programul de studii de Master – Chimia mediului si siguranta alimentara la nivelul Facultatii de Chimie (Hotararea Consiliului Facultatii de Chimie nr 5 din 21-03-2024) – 2 p
- Membru in comisia pentru situatii de urgenta si protectie civila din cadrul Facultatii de Chimie, (Hotararea Consiliului Facultatii de Chimie nr 11 din 05-05-2022) – 2 p

1.5. Concursul de Chimie "Magda Petrovanu" – 20 p

Elaborare subiecte: 40 puncte / nr. membri comisie elaborare.

Membru comisie organizare: 20 puncte

Alte activități (comisii supraveghere, alte activități avizate de comisia de organizare): 5 puncte.

Membru in comisia de elaborare subiecte *clasa a X-a* pentru **Concursul de Chimie "Magda Petrovanu"**
40/2=20 p

Semnatura,

Prof. dr. habil. Gheorghita ZBANCIOC

