

Lista lucrărilor științifice publicate și susținute

Lucrări ISI

- indexate Thomson Reuters Web of Knowledge – Web of Science (WoS)

1. **Ion, A.**, Gosav, S., Praisler, M., Artificial neural networks designed to identify NBOME hallucinogens based on selected molecular descriptors, in Ioanid, A., Niculescu, A., Fleaca, B. (Eds), *Management Perspectives in the Digital Transformation*, 2019, pp. 213-222. ISSN: 2344-0937 **WOS:000519338200020**

2. Gosav, S., **Ion, A.**, Praisler, M., DFT Characterization of MDMA Methylene Homologue, a Chemical Compound with Psychoactive Properties, *Proceedings of the International Conference of the Balkan Physical Union BPU10*, 26-30 august 2018, Sofia, Bulgaria. Mishonov, T. M., Varonov, A.M. (Eds), *AIP Conference Proceedings*, vol. 2075, issue 1, Article number 170027 (2019). DOI:10.1063/1.5091392. ISSN: 0094-243X ISBN: 978-0-7354-1803-5 **WOS:000472653800275**

<https://aip.scitation.org/doi/abs/10.1063/1.5091392><https://bpu10.balkanphysicalunion.com/>

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1	de Castro, J. S., Rodrigues, C. H. P., Bruni, A. T., In Silico Infrared Characterization of Synthetic Cannabinoids by Quantum Chemistry and Chemometrics, <i>Journal of Chemical Information and Modeling</i> 60-4 (2020) 2100–2114. DOI: 10.1021/acs.jcim.9b00871 Print ISSN: 1549-9596 e ISSN: 1520-5142. ISI Impact factor: 4.549 (2019) https://pubs.acs.org/doi/abs/10.1021/acs.jcim.9b00871
2	Veved, A., Ejuh, G. W., Djongyang, N., Study of the chemical softness, chemical hardness, chemical stability and interaction energy of the piezoelectric composite: $(-\text{CH}_2-\text{CF}_2-)_3/\text{nHfO}_2$, <i>Polymer Bulletin</i> (2020). DOI: 10.1007/s00289-020-03346-6 Electronic ISSN 1436-2449 Print ISSN: 0170-0839. ISI Impact factor: 2.014 (2019) https://link.springer.com/article/10.1007/s00289-020-03346-6
3	Veved, A., Ejuh, G.W., Djongyang, N., Study of the optoelectronic and piezoelectric properties of ZrO ₂ doped PVDF from quantum chemistry calculations, <i>Chinese Journal of Physics</i> 63 (2020) 213-219. ISSN: 0577-9073. ISI Impact factor: 1.894 (2018) https://www.sciencedirect.com/science/article/pii/S0577907319309694

3. Negoita, C., Praisler M., **Ion, A.**, Artificial Intelligence Application Designed to Screen for New Psychoactive Drugs Based on their ATR-FTIR spectra, *Proceedings of the 10th Jubilee International Conference of the Balkan Physical Union BPU10*, 26-30 August 2018, Sofia, Bulgaria. Mishonov, T. M., Varonov, A.M. (Eds), *AIP Conference Proceedings*, vol. 2075, issue 1, Article number 170026 (2019). DOI: 10.1063/1.5091391 ISSN: 0094-243X ISBN: 978-0-7354-1803-5 **WOS:000472653800274**

<https://aip.scitation.org/doi/abs/10.1063/1.5091391><https://bpu10.balkanphysicalunion.com/>

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4. **Ion, A.**, Gosav, S., Praisler, M., Screening for NBOMe hallucinogens based on Artificial Neural Networks and structural descriptors, *2019 E-Health and Bioengineering Conference - EHB 2019*, 21 - 23 November 2019, Iasi, Romania, Article number 8970048. DOI: [10.1109/EHB47216.2019.8970048](https://doi.org/10.1109/EHB47216.2019.8970048) IEEE, Electronic ISSN: 2575-5145 Print on Demand(PoD) ISSN: 2575-5137 ISBN: 978-172812603-6 **WOS:000558648300178**
<https://ieeexplore.ieee.org/document/8970048><http://www.ehbconference.ro/>
5. Rîndunică (Coman), M. M., Gosav, S., Praisler, M., **Ion, A.**, QSAR model based on molecular descriptors built to predict the CB1 binding affinity of JWH cannabinoids, *2019 E-Health and Bioengineering Conference - EHB 2019*, 21 - 23 November 2019, Iasi, Romania, Article number 8969920. DOI: [10.1109/EHB47216.2019.8969920](https://doi.org/10.1109/EHB47216.2019.8969920) IEEE, Electronic ISSN: 2575-5145 Print on Demand(PoD) ISSN: 2575-5137 ISBN: 978-172812603-6 **WOS:000558648300052**
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6. **Ion, A.**, Gosav, S., Praisler, M., Artificial Neural Networks designed to identify NBOMe hallucinogens based on the most sensitive molecular descriptors, *6th International Symposium on Electrical and Electronics Engineering- ISEEE 2019*, 18 - 20 October 2019, Galați, Romania
<https://ieeexplore.ieee.org/document/9136101> <http://www.iseee.ugal.ro/2019/>
7. **Ion, A.**, Gosav, S., Praisler, M., C. Negoita, Artificial neural network designed to identify NBOMe hallucinogens based on 3D-MoRSE descriptors and topological descriptors, in Precup R.-E. (Ed.), *2019 23rd International Conference on System Theory, Control and Computing, ICSTCC 2019 – Proceedings*, Article number 8885908, Pages 872-876. DOI: [10.1109/ICSTCC.2019.8885908](https://doi.org/10.1109/ICSTCC.2019.8885908) ISSN: 2372-1618 .ISBN: 978-172810699-1
<https://ieeexplore.ieee.org/document/8885908>
8. **Ion, A.**, Gosav, S., Praisler, M., Teodora, G. Machine learning tool detecting NBOMe drugs of abuse based on geometrical descriptors, *2020 E-Health and Bioengineering Conference - EHB 2020*, 29 - 30 November 2020, Iasi, Romania, <https://ieeexplore.ieee.org/document/9279876>
9. **Ion, A.**, Gosav, S., Praisler, M., Refined Detection of NBOMe Phenethylamines based on Their Most Important Topological Descriptors, *2020 E-Health and Bioengineering Conference - EHB 2020*, 29 - 30 November 2020, Iasi, Romania, <https://ieeexplore.ieee.org/document/9280111>

Lucrări publicate în reviste BDI

1. **Ion, A.**, Gosav, S., Praisler, M.,, Prooving the environmental impact of NBOMe clandestine laboratories: a new analytical tool, *International Conference "Environmental Challenges in the Black Sea Basin: Impact on Human Health"* Galați, Romania, September 23-26, 2020
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2. **Ion, A.**, Gosav, S., Praisler, M.,, Vibrational investigation of the 3,4-methylenedioxypropylvalerone designer drug, *Annals of "Dunarea de Jos" University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II*, Year XII (XLIII) 2020, No. 1, http://www.phys.ugal.ro/Annals_Fascicle_2/
3. **Ion, A.**, Gosav, S., Praisler, M., Choosing relevant functional groups for optimizing Artificial Neural Networks detecting NBOMe hallucinogens, *Annals of "Dunarea de Jos" University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II*, Year X (XXXI) 2019, No. 2, p. 159-165. ISSN 2067-2071 http://www.phys.ugal.ro/Annals_Fascicle_2/
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5. **Ion, A.**, Praisler, M., Vibrational Analysis of new Hallucinogenic Amphetamines based on ATR-FTIR Spectra, *Annals of "Dunarea de Jos" University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II*, Year IX (XXX) 2017, No. 1, p. 108-111. ISSN 2067-2071, http://www.phys.ugal.ro/Annals_Fascicle_2/

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1. **Ion, A.**, Praisler, M., Burlacu, C. M., Stanica, N. C., Automatic identification of NBOMe illicit psychoactive substances based on combined molecular descriptors, *9th International Conference UNIVERSITARIA SIMPRO 2021*, 27-28 May 2021, Petrosani, Romania, <https://www.upet.ro/simpro/2021/resource/Program%20SIMPRO%202021.pdf>
2. **Ion, A.**, Gosav, S., Praisler, M., Teodora, G. Machine learning tool detecting NBOMe drugs of abuse based on geometrical descriptors, *2020 E-Health and Bioengineering Conference - EHB 2020*, 29 - 30 November 2020, Iasi, Romania, http://www.ehbconference.ro/Portals/0/EHB2020_Detailed%20Program.pdf
3. **Ion, A.**, Gosav, S., Praisler, M., Refined Detection of NBOMe Phenethylamines based on Their Most Important Topological Descriptors, *2020 E-Health and Bioengineering Conference - EHB 2020*, 29 - 30 November 2020, Iasi, Romania, http://www.ehbconference.ro/Portals/0/EHB2020_Detailed%20Program.pdf
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5. **Ion, A.**, Gosav, S., Praisler, M., Screening for NBOMe hallucinogens based on Artificial Neural Networks and structural descriptors, *2019 E-Health and Bioengineering Conference - EHB 2019*, 21 - 23 November 2019, Iasi, Romania, Article number 8970048. DOI: [10.1109/EHB47216.2019.8970048](https://doi.org/10.1109/EHB47216.2019.8970048) IEEE, Electronic ISSN: 2575-5145 Print on Demand(PoD) ISSN: 2575-5137 ISBN: 978-172812603-6
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6. Rîndunică (Coman), M. M., Gosav, S., Praisler, M., **Ion, A.**, QSAR model based on molecular descriptors built to predict the CB1 binding affinity of JWH cannabinoids, *2019 E-Health and Bioengineering Conference - EHB 2019*, 21 - 23 November 2019, Iasi, Romania, Article number 8969920. DOI: [10.1109/EHB47216.2019.8969920](https://doi.org/10.1109/EHB47216.2019.8969920) IEEE, Electronic ISSN: 2575-5145 Print on Demand(PoD) ISSN: 2575-5137 ISBN: 978-172812603-6
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9. **Ion, A.**, Gosav, S., Praisler, M., C. Negoita, Artificial neural network designed to identify NBOMe hallucinogens based on 3D-MoRSE descriptors and topological descriptors, in Precup R.-E. (Ed.), *2019 23rd International Conference on System Theory, Control and Computing, 9-11 October 2019, ICSTCC 2019 – Proceedings*, Article number 8885908, Pages 872-876. DOI: [10.1109/ICSTCC.2019.8885908](https://doi.org/10.1109/ICSTCC.2019.8885908) ISSN: 2372-1618 .ISBN: 978-172810699-1
<https://ieeexplore.ieee.org/document/8885908http://icstcc2019.cs.upt.ro/>
10. **Ion, A.**, Gosav, S., Praisler, M., Artificial neural network designed to identify NBOMe hallucinogens based on 3D-MoRSE descriptors and topological descriptors, *UGAL International Conference "Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society"*, 26 -27 October 2018, Galati, Romania.
<http://fdi.ugal.ro/index.php/ro/conference-home>
11. Gosav, S., **Ion, A.**, Praisler, M., DFT Characterization of MDMA Methylene Homologue, a Chemical Compound with Psychoactive Properties, *Proceedings of the International Conference of the Balkan Physical Union BPU10*, 26-30 august 2018, Sofia, Bulgaria.
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13. Gosav, S., **Ion, A.**, Praisler, M., Computational Study of 3,4-Methylenedioxypropylvalerone, *18th International Balkan Workshop on Applied Physics and Materials Science IBWAP 2018*, 10-13 July 2018, Constanta, Romania. <http://ibwap.ro/>
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15. **Ion, A.**, Gosav, S., Praisler, M., "Molecular Structure Optimisation of New Hallucinogenic Amphetamines"-IVth Edition of the International Conference *New Trends In Environmental And Materials Engineering* (TEME 2017), Galati, 25-27 Octombrie 2017. <http://www.teme.ugal.ro/>
16. **Ion, A.**, Gosav, S., Praisler, M., "Physico-Chemical Characterization of New Hallucinogenic Amphetamines Based on Molecular Descriptors"-IVth Edition of the International Conference *New Trends In Environmental And Materials Engineering* (TEME 2017), Galati, 25-27 Octombrie 2017 <http://www.teme.ugal.ro/>

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1. **Ion, A.**, Gosav, S., Praisler, M., Comparative study of DFT, AM1 and PM3 optimization methods modeling new psychotropic amphetamines, Book of abstracts SCDS-UDJG 2021, 9th Edition, 10 - 11 June 2021, Galati, Romania. <http://www.cssd-udjg.ugal.ro/index.php/abstracts-2022>
2. **Ion, A.**, Gosav, S., Praisler, M., Molecular descriptors – an useful tool for assessing the physico-chemical properties of hallucinogenic drugs of abuse, Book of abstracts SCDS-UDJG 2021, 9th Edition, 10 - 11 June 2021, Galati, Romania. <http://www.cssd-udjg.ugal.ro/index.php/abstracts-2022>
3. **Ion, A.**, Gosav, S., Praisler, M., Vibrational investigation of the 3,4-methylenedioxypropylvalerone designer drug, Book of abstracts SCDS-UDJG 2020, 8th Edition, 18 - 19 June 2020, Galati, Romania. <http://www.cssd-udjg.ugal.ro/> <http://www.cssd-udjg.ugal.ro/index.php/abstracts-20201>
4. **Ion, A.**, Praisler, M., Optimisation Methods Applied for Modelling the Molecular Structure of Some New Hallucinogenic Amphetamines, *Congresul National cu participare internationala pentru Studenti, Farmacisti, Medici Rezidenti, Medici Dentisti, Asistenti Medicali generalisti si Moase GALMED 2020*, Editia a X-a, 12 - 15 Martie 2020, Galati, Romania. <http://galmed.ssmg.ro/>
5. **Ion, A.**, Gosav, S., Praisler, M., Physico-Chemical Characterisation Of Some Recently Discovered Hallucinogenic Drugs Performed By Using Molecular Descriptors, *Congresul National cu participare internationala pentru Studenti, Farmacisti, Medici Rezidenti, Medici Dentisti, Asistenti Medicali generalisti si Moase GALMED 2020*, Editia a X-a, 12 - 15 Martie 2020, Galati, Romania. <http://galmed.ssmg.ro/>

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6. **Ion, A.**, Gosav, S., Praisler, M., Improved architecture of ANN system designed to identify NBOMe hallucinogens based on topological descriptors, *Book of abstracts SCDS-UDJG 2019*, 7th Edition, 13 - 14 June 2019, Galati, Romania.
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7. **Ion, A.**, Gosav, S., Praisler, M., Choosing relevant functional groups for optimizing Artificial Neural Networks detecting NBOMe hallucinogens, *Book of abstracts SCDS-UDJG 2019*, 7th Edition, 13 - 14 June 2019, Galati, Romania.
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8. Gosav, S., **Ion, A.**, Praisler, M., Artificial neural network designed to identify NBOMe hallucinogens based on molecular descriptors, *Book of abstracts SCDS-UDJG 2018*, 6th Edition, 7 - 8 June 2018, Galati, Romania.
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9. **Ion, A.**, Gosav, S., Praisler, M., Importance and sensitivity criteria applied to improve the efficiency of an ANN system detecting NBOMe hallucinogens, *Book of abstracts SCDS-UDJG 2018*, 6th Edition, 7 - 8 June 2018, Galati, Romania.
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10. **Ion, A.**, Praisler, M., Vibrational Analysis of new Hallucinogenic Amphetamines based on ATR-FTIR Spectra, *Book of abstracts CSSD-UDJG 2017*, 5th Edition, 8 - 9 June 2017, Galati, Romania, p. 59.
<http://www.cssd-udjg.ugal.ro/index.php/abstracts-2017>

Premii:

Premiul al II-lea: **Ion, A.**, Gosav, S., Praisler, M., Caracterizarea fizico-chimică a unor droguri halucinogene recent descoperite realizată utilizând descriptorii moleculari, *Congresul National cu participare internationala pentru Studenti, Farmacisti, Medici Rezidenti, Medici Dentisti, Asistenti Medicali generalisti si Moase GALMED 2020*, Editia a X-a, 19 - 22 Noiembrie 2020, Galati, Romania. <http://galmed.ssmg.ro/>

Mențiune: **Ion, A.**, Gosav, S., Praisler, M., Importance and sensitivity criteria applied to improve the efficiency of an ANN system detecting NBOMe hallucinogens, *Book of abstracts SCDS-UDJG 2018*, 6th Edition, 7 - 8 June 2018, Galati, Romania.
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Lucrări publicate în cadrul proiectului Profesionalizarea carierei didactice – PROF,

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Ion Adelina

Aurelia ION , Mariana ANDRĂȘOAE, **Adelina ION**, Felicia Elena BOȘCODEALĂ, Nicoleta Daniela STANCIU, Mihaela Florina GIURCĂ, **MILESTONES OF CHANGES IN TEACHING CAREER AT THE BEGINNING OF THE THIRD MILLENNIUM**, *Sharing and learning for mentoring in education*, Editura Universitară, București, ISBN: 978-606-28-1723-7, DOI: (Digital Object Identifier): 10.5682/9786062817237, Data publicării variantei digitale: Noiembrie 2023, <https://grants.ulbsibiu.ro/prof-mentorat/files/sharing-and-learning-for-mentoring-online2353.pdf>

Felicia Elena BOȘCODEALĂ, **Adelina ION**, Mariana ANDRĂȘOAE , Aurelia ION, Nicoleta Daniela STANCIU, Mihaela Florina GIURCĂ, **GOOD PRACTICES IN THE MENTORING PROCESS IN ROMANIA AND EUROPEAN EDUCATION**, *Sharing and learning for mentoring in education*, Editura Universitară, București, ISBN: 978-606-28-1723-7, DOI: (Digital Object Identifier): 10.5682/9786062817237, Data publicării variantei digitale: Noiembrie 2023, <https://grants.ulbsibiu.ro/prof-mentorat/files/sharing-and-learning-for-mentoring-online2353.pdf>

Cristina Elena ANTON, Elena Luminița TUDOR, Veronica PICUȘ, Aurelia ION, **Adelina ION**, **STEAM-EDUCATION FOR CREATIVITY AND SCIENCE**, *Sharing and learning for mentoring in education*, Editura Universitară, București, ISBN: 978-606-28-1723-7, DOI: (Digital Object Identifier): 10.5682/9786062817237, Data publicării variantei digitale: Noiembrie 2023, <https://grants.ulbsibiu.ro/prof-mentorat/files/sharing-and-learning-for-mentoring-online2353.pdf>

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<https://editura.ulbsibiu.ro/carti/ghid-metodologic-pentru-predarea-disciplinei-optionale-strategii-metacognitive/>
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https://editura.ulbsibiu.ro/wp-content/uploads/Ghid_strategii-metacognitive.pdf