

# LISTA DE LUCRĂRI ȘTIINȚIFICE

## GLEVITZKY MIREL

Nr. crt.	Articole/studii in extenso de specialitate in reviste cotate ISI/WoS	F.I.
1	<b>Glevitzky, M.;</b> Mucea-Ștef, P.; Glevitzky, I.; Popa, D.M.; Popa, M. Enhancing Process Safety and Manufacturing Performance Through 5M-Based Causal Analysis and Source–Detection Matrices. <i>Eng</i> <b>2026</b> , 7, 258. <a href="https://doi.org/10.3390/eng7060258">https://doi.org/10.3390/eng7060258</a>	<b>2,400</b>
2	<b>Glevitzky, M.;</b> Rațiu, C.R.; Corcheș, M.-T. Sustainable Food and Feed Flours for Formaldehyde Reduction in Resins and Particleboards. <i>Sustainability</i> <b>2026</b> , 18, 3782. doi: 10.3390/su18083782	<b>3,300</b>
3	<b>Glevitzky, M.;</b> Mucea-Ștef, P.; Corcheș, M.-T.; Sălcudean, M.; Marica, E.; Șerban, S.G.; Popa, M. Integrated Environmental Risk Assessment and Performance Evaluation of Asphalt Plants Incorporating Reclaimed Asphalt Pavement Under the ISO 14001 Framework. <i>Eng</i> <b>2026</b> , 7, 95. doi: 10.3390/eng7020095	<b>2,400</b>
4	<b>Glevitzky, M.;</b> Dumitrel, G.-A.; Pană, A.-M.; Rusu, G.I.; Corcheș, M.-T.; Vică, M.L. Valorization of Waste Cooking Oils into Antimicrobial Soaps with Honey, Propolis, and Essential Oils. <i>ChemEngineering</i> <b>2026</b> , 10, 31. doi: 10.3390/chemengineering10020031	<b>3,400</b>
5	<b>Glevitzky, M.;</b> Corcheș, M.-T.; Șerban, S.G.; Strugariu, M.-L.; Kiss, I.; Vică, M.L. Sustainable Recycling of Used Cooking Oils Through the Production of Biodegradable Antimicrobial Soaps. <i>Appl. Sci.</i> <b>2025</b> , 15, 11472. <a href="https://doi.org/10.3390/app152111472">https://doi.org/10.3390/app152111472</a>	<b>2,500</b>
6	<b>Glevitzky, M.;</b> Popa, M.; Mucea-Ștef, P.; Popa, D.M. A Risk Management Approach in Occupational Health and Safety Based on the Integration of a Weighted Composite Score. <i>Safety</i> <b>2025</b> , 11, 103. <a href="https://doi.org/10.3390/safety11040103">https://doi.org/10.3390/safety11040103</a>	<b>1,700</b>
7	<b>Glevitzky, M.;</b> Corcheș, M.T.; Popa, D.M. Assessing Pollution and Diatom-Based Bioindicators in the Arieș River, Romania. <i>Environments</i> <b>2025</b> , 12, 398. <a href="https://doi.org/10.3390/environments12110398">https://doi.org/10.3390/environments12110398</a>	<b>3,700</b>
8	<b>Glevitzky, M.;</b> Corcheș, M.T.; Popa, D.M. Impact of Pollution on Physico-Chemical Parameters and Diatom Communities Diversity in the Main Tributaries of the Arieș River, Romania. <i>Environments</i> <b>2025</b> , 12, 389. <a href="https://doi.org/10.3390/environments12100389">https://doi.org/10.3390/environments12100389</a>	<b>3,700</b>
9	<b>Glevitzky, M.;</b> Corcheș, M.-T.; Popa, M.; Vică, M.L. Honey as a Bioindicator: Pollution’s Effects on Its Quality in Mining vs. Protected Sites. <i>Appl. Sci.</i> <b>2025</b> , 15, 7297. <a href="https://doi.org/10.3390/app15137297">https://doi.org/10.3390/app15137297</a>	<b>2,500</b>
10	<b>Glevitzky, M.;</b> Glevitzky, I.; Mucea-Ștef, P.; Popa, M. The “Daily Challenge” Tool: A Practical Approach for Managing Non-Conformities in Industry. <i>Sustainability</i> <b>2025</b> , 17, 5918. <a href="https://doi.org/10.3390/su17135918">https://doi.org/10.3390/su17135918</a>	<b>3,300</b>
11	<b>Glevitzky, M.;</b> Bostan, R; Varvara S; Corcheș, M-T; Dumitrel G-A; Popa, M. Impact of Mining on River Water Quality in Roșia Montană Area, Romania, and the Use of Zeolites for Acid Mine Drainage Remediation, <i>Clean Technol.</i> <b>2025</b> , 7(2), 41. <a href="https://doi.org/10.3390/cleantechnol7020041">https://doi.org/10.3390/cleantechnol7020041</a>	<b>4,700</b>
12	Popa, M.; <b>Glevitzky, M.;</b> Dumitrel, G.-A.; Popa, D.-V.; Glevitzky, I.; Vîrsta, A. Energy Efficiency of Agricultural Technologies through the Creation of a Sustainable	<b>0,900</b>

	Model: A Case Study of Greenhouses. <i>Sci. Pap.-Ser. Manag. Econ.</i> <b>2025</b> , 25(2), 619–632	
13	<b>Glevitzky, M;</b> Dumitrel, GA; Rusu, GI; Toneva, D; Vergiev, S; Corches, MT; Pana, AM; Popa, M. Microplastic Pollution on the Beaches of the Black Sea in Romania and Bulgaria. <i>Appl. Sci.</i> <b>2025</b> , 15(9), 4751. <a href="https://doi.org/10.3390/app15094751">https://doi.org/10.3390/app15094751</a>	2,500
14	<b>Glevitzky, M;</b> Corches, MT; Popa, M; Glevitzky, I; Vica, ML. Propolis: Biological Activity and Its Role as a Natural Indicator of Pollution in Mining Areas. <i>Environments</i> <b>2025</b> , 12(4), 105. <a href="https://doi.org/10.3390/environments12040105">https://doi.org/10.3390/environments12040105</a>	3,700
15	<b>Glevitzky, M;</b> Bostan, R; Vica, ML; Dumitrel, GA; Corches, MT; Popa, M; Glevitzky, I; Matei, HV. Environmental Contamination and Mining Impact: Physico-Chemical and Biological Characterization of Propolis as an Indicator of Pollution in the Rosia Montană Area, Romania. <i>Plants</i> <b>2025</b> , 14(6), 866. <a href="https://doi.org/10.3390/plants14060866">https://doi.org/10.3390/plants14060866</a>	4,100
16	<b>Glevitzky, M;</b> Glevitzky, I; Mucea-Stef, P; Popa, M; Dumitrel, GA; Vica, ML. Integrated Risk Framework (IRF)-Interconnection of the Ishikawa Diagram with the Enhanced HACCP System in Risk Assessment for the Sustainable Food Industry. <i>Sustainability</i> <b>2025</b> , 17(2), 536. <a href="https://doi.org/10.3390/su17020536">https://doi.org/10.3390/su17020536</a>	3,300
17	Heghedus-Mîndru, G; <b>Glevitzky, M;</b> Heghedus-Mîndru, RC; Dumitrel, GA; Popa, M; Glevitzky, I; Obistioiu, D; Cocan, I; Vica, ML. Inhibitory Effects and Composition Analysis of Romanian Propolis: Applications in Organic and Sustainable Agriculture. <i>Plants</i> <b>2024</b> , 13(23), 3355; <a href="https://doi.org/10.3390/plants13233355">https://doi.org/10.3390/plants13233355</a>	4,100
18	Vica, ML; <b>Glevitzky, M;</b> Dumitrel, GA; Popa, M; Glevitzky, I; Teodoru, CA. Antimicrobial Activity of Honey and Propolis from Alba County, Romania. <i>Antibiotics</i> <b>2024</b> , 13(10), 952. <a href="https://doi.org/10.3390/antibiotics13100952">https://doi.org/10.3390/antibiotics13100952</a>	4,600
19	Bostan, R; <b>Glevitzky, M;</b> Varvara, S; Dumitrel, GA; Rusu, GI; Popa, M; Glevitzky, I; Vica, ML. Utilization of Natural Adsorbents in the Purification of Used Sunflower and Palm Cooking Oils. <i>Appl. Sci.</i> <b>2024</b> , 14(11), 4417. <a href="https://doi.org/10.3390/app14114417">https://doi.org/10.3390/app14114417</a>	2,500
20	Popa, M; <b>Glevitzky, M;</b> Dumitrel, GA; Popa, DV; Vîrsta, A. The Qualitative Characterization of Polyfloral Honey and the Influence of Thermal Processing on Hydroxymethylfurfural Content. <i>Sci. Pap.-Ser. A-Agron.</i> <b>2024</b> , 67(2), 585-590. <a href="https://agronomyjournal.usamv.ro/pdf/2024/issue_2/Art77.pdf">https://agronomyjournal.usamv.ro/pdf/2024/issue_2/Art77.pdf</a>	0,500
21	Heghedus-Mîndru, RC; <b>Glevitzky, M;</b> Heghedus-Mîndru, G; Dumitrel, GA; Popa, M; Popa, DM; Radulov, I; Vica, ML. Applications of Romanian Propolis in Phyto-Inhibitory Activity and Antimicrobial Protection: A Comparative Study. <i>Antibiotics</i> <b>2023</b> , 12(12), 1682, <a href="https://doi.org/10.3390/antibiotics12121682">https://doi.org/10.3390/antibiotics12121682</a>	4,600
22	Vica, ML; <b>Glevitzky, M;</b> Heghedus-Mîndru, RC; Dumitrel, GA; Heghedus-Mîndru, G; Popa, M; Faur, DM; Balici, S; Teodoru, CA. Phyto-Inhibitory and Antimicrobial Activity of Brown Propolis from Romania. <i>Antibiotics</i> <b>2023</b> , 12(6), 1015, <a href="https://doi.org/10.3390/antibiotics12061015">https://doi.org/10.3390/antibiotics12061015</a>	4,600
23	Popa, M; <b>Glevitzky, M;</b> Dumitrel, GA; Popa, D; Vîrsta, A. Improving the System of Logistics Management and Signaling, Identification, Classification of Noncompliance in the Water Bottling Industry. <i>Sci. Papers, Ser. E, Land Reclam. Earth Obs. Surv. Environ. Eng.</i> <b>2023</b> , 12, 251-257. <a href="https://landreclamationjournal.usamv.ro/pdf/2023/Art32.pdf">https://landreclamationjournal.usamv.ro/pdf/2023/Art32.pdf</a>	0,300

24	Vica, ML; <b>Glevitzky, M</b> ; Dumitrel, GA; Bostan, R; Matei, HV; Kartalska, Y; Popa, M. Qualitative Characterization and Antifungal Activity of Romanian Honey and Propolis. <i>Antibiotics</i> <b>2022</b> , 11(11), 1552; <a href="https://doi.org/10.3390/antibiotics11111552">https://doi.org/10.3390/antibiotics11111552</a>	4,600
25	Vica, ML; <b>Glevitzky, M</b> ; Heghedus-Mîndru, RC; Glevitzky, I; Matei, HV; Balici, S; Popa, M; Teodoru, CA. Potential Effects of Romanian Propolis Extracts against Pathogen Strains. <i>Int. J. Environ. Res. Public Health</i> <b>2022</b> , 19(5), 2640; <a href="https://doi.org/10.3390/ijerph19052640">https://doi.org/10.3390/ijerph19052640</a>	4,614
26	Popa, M; Glevitzky, I; Dumitrel, GA; Popa, D; Virsta, A; <b>Glevitzky, M</b> . Qualitative Analysis and Statistical Models Between Spring Water Quality Indicators in Alba County, Romania. <i>Sci. Papers, Ser. E, Land Reclam. Earth Obs. Surv. Environ. Eng.</i> <b>2022</b> , 11, 358-366. <a href="https://landreclamationjournal.usamv.ro/pdf/2022/Art44.pdf">https://landreclamationjournal.usamv.ro/pdf/2022/Art44.pdf</a>	0,300
27	Vica, ML; Glevitzky, I; <b>Glevitzky, M</b> ; Siserman, CV; Matei, HV; Teodoru, CA. Antibacterial Activity of Propolis Extracts from the Central Region of Romania against <i>Neisseria gonorrhoeae</i> . <i>Antibiotics</i> <b>2021</b> , 10(6), 689; <a href="https://doi.org/10.3390/antibiotics10060689">https://doi.org/10.3390/antibiotics10060689</a>	4,600
28	Vica, ML; <b>Glevitzky, M</b> ; Tit, DM; Behl, T; Heghedus-Mîndru, RC; Zaha, DC; Ursu, F; Popa, M; Glevitzky, I; Bungau, S. The antimicrobial activity of honey and propolis extracts from the central region of Romania. <i>Food Bioscience</i> , <b>2021</b> , 41, 101014	5,900
29	Popa, M; Glevitzky, I; Popa, D; <b>Glevitzky, M</b> . Water Quality Assessments Through the Application of Cause and Effect Diagrams in Conjunction with HACCP and Risk Assessment for Roua Apusenilor Spring Water Bottling Process. <i>Sci. Papers, Ser. E, Land Reclam. Earth Obs. Surv. Environ. Eng.</i> <b>2021</b> , 10, 158-165	0,300
30	<b>Glevitzky, M</b> ; Aleya, L; Vica, ML; Dumitrel, GA; Avram, M; Tit, DM; Popa, M; Popa, VC; Behl, T; Bungau, S. Assessing the microbiological contamination along with environmental factors of old books in the 1490-founded Bistrita Monastery, Romania. <i>Environ Sci Pollut Res.</i> <b>2021</b> , 28(7), 8743-8757. doi:10.1007/s11356-020-11170-8	5,800
31	Popa, M; Glevitzky, I; <b>Glevitzky, M</b> ; Popa, D; Todoran, A. Statistical Analysis Used in Evaluation of Water Quality from Wells in Alba County, Romania. <i>Sci. Papers, Ser. E, Land Reclam. Earth Obs. Surv. Environ. Eng.</i> <b>2020</b> , 9, 147-153. <a href="https://www.landreclamationjournal.usamv.ro/pdf/2020/Art22.pdf">https://www.landreclamationjournal.usamv.ro/pdf/2020/Art22.pdf</a> .	0,300
32	Popa, M; Glevitzky, I; Dumitrel, GA; <b>Glevitzky, M</b> ; Popa, D. Impact of Environmental Factors on the Quality of Spring Water from Abrud-Campeni Area, Alba County, Romania. <i>Agrolife Scientific Journal</i> <b>2019</b> , 8(1), 220-226. <a href="https://agrolifejournal.usamv.ro/index.php/agrolife/article/view/439/435">https://agrolifejournal.usamv.ro/index.php/agrolife/article/view/439/435</a>	0,600
33	Popa, M; Glevitzky, I; Dumitrel, GA; <b>Glevitzky, M</b> ; Popa, D. Study On Peroxide Values for Different Oils and Factors Affecting the Quality of Sunflower Oil. <i>Sci. Papers, Ser. E, Land Reclam. Earth Obs. Surv. Environ. Eng.</i> <b>2017</b> , 6, 137-140. <a href="https://landreclamationjournal.usamv.ro/pdf/2017/Art24.pdf">https://landreclamationjournal.usamv.ro/pdf/2017/Art24.pdf</a> .	0,300
34	Glevitzky, I; Dumitrel, GA; <b>Glevitzky, M</b> ; Bungau, S; Popa, M. Aspects Concerning the Management of Groundwater in the Farau Area - Alba County, Romania. <i>J. Environ. Prot. Ecol.</i> <b>2020</b> , 21(2), 443-453.	0,507
35	Glevitzky, I; Dumitrel, GA; <b>Glevitzky, M</b> ; Pasca, B; Otrisal, P; Bungau, S; Cioca, G; Pantis, C; Popa, M. Statistical Analysis of the Relationship Between Antioxidant Activity and the Structure of Flavonoid Compounds. <i>Rev.Chim.</i> <b>2019</b> , 70(9), 3103-3107	1,755

36	Dumitreț, GA; <b>Glevitzky, M</b> ; Cioabla, AE; Glevitzky, I; Popa, M. Study Regarding the Effect of Temperature on Streptomycin Degradation in Different Types of Honey. <i>J. Environ. Prot. Ecol.</i> <b>2019</b> , 20(2), 677-684.	0,507
37	<b>Glevitzky, M</b> ; Dumitreț, GA; Glevitzky, I; Popa, M. Study on Contamination of Snail Soft Tissues ( <i>Helix Pomatia</i> ) with Cadmium in Sibiu County, Romania. <i>J. Environ. Prot. Ecol.</i> <b>2019</b> , 20(2), 599–607	0,507
38	Dumitreț, GA; <b>Glevitzky, M</b> ; Popa, M; Chirila, D; Palea, A. Monitoring of Lead, Copper and Cadmium Contamination Level of Soil from Zlatna Region Romania. <i>J. Environ. Prot. Ecol.</i> <b>2017</b> , 18(1), 55-62	0,507
39	Vica, ML; Popa, D; <b>Glevitzky, M</b> ; Siserman, C; Matei, HV. Quality of Drinkable Water Springs in Two Alba County Regions - Comparative Study. <i>J. Environ. Prot. Ecol.</i> <b>2017</b> , 18(4), 1389-1397.	0,507
40	Junie, LM; Vica, ML; <b>Glevitzky, M</b> ; Matei, HV. Physico-Chemical Characterisation and Antibacterial Activity of Different Types of Honey Tested on Strains Isolated from Hospitalised Patients. <i>Journal of Apicultural Science</i> , 60(1), <b>2016</b> . 5-18. <a href="https://doi.org/10.1515/jas-2016-0013">https://doi.org/10.1515/jas-2016-0013</a> .	0,700
41	Dumitreț, GA; <b>Glevitzky, M</b> ; Popa, M; Vica, ML. Studies Regarding the Heavy Metals Pollution of Streams and Rivers in Rosia Montana Area, Romania. <i>J. Environ. Prot. Ecol.</i> <b>2015</b> , 16(3), 850-860	0,507
42	Popa, M; <b>Glevitzky, M</b> ; Popa, DM; Dumitreț, GA. Study Regarding the Water Contamination and the Negative Effects on the Population from the Blaj Area, Romania. <i>J. Environ. Prot. Ecol.</i> <b>2014</b> , 15(4), 1543-1554	0,507
43	Vica, M; Popa, M; Dumitreț, GA; <b>Glevitzky, M</b> ; Todoran, A. Study on Microbiological Quality and Pollution Control of Groundwater from Different Areas in the Alba County, Romania. <i>J. Environ. Prot. Ecol.</i> <b>2014</b> , 15(1), 64-72	0,507
44	Vica, ML; <b>Glevitzky, M</b> ; Dumitreț, GA; Junie, LM; Popa, M. Antibacterial activity of different natural honeys from Transylvania, Romania. <i>J. Environ. Sci. Health - B Pestic. Food Contam. Agric. Wastes.</i> <b>2014</b> , 49(3), 176-181. <a href="http://dx.doi.org/10.1080/03601234.2014.858008">http://dx.doi.org/10.1080/03601234.2014.858008</a> .	1,400
45	Cara, MC; Dumitreț, GA; <b>Glevitzky, M</b> ; Mischie, C; Silaghi-Perju, D. Thermal Degradation of Streptomycin Residues in Honey During Storage. <i>Food Technol. Biotechnol.</i> <b>2013</b> , 51 (3) 429–433. <a href="https://hrcak.srce.hr/file/160838">https://hrcak.srce.hr/file/160838</a> .	2,500
46	Dumitreț, GA; Popa, M; <b>Glevitzky, M</b> ; Vica, M; Todoran, A. Evaluation of Soil Heavy Metal Pollution in the Zlatna Region. <i>J. Environ. Prot. Ecol.</i> <b>2013</b> , 14(4), 1569-1576	0,507
47	Popa, M; <b>Glevitzky, M</b> ; Dumitreț, GA. Microbiological Risk Assessment of Ice-Cream Products. <i>J. Environ. Prot. Ecol.</i> <b>2013</b> , 14(1), 263-272	0,507
48	Cara, MC; Dumitreț, GA; <b>Glevitzky, M</b> ; Perju, D. Stability of tetracycline residues in honey. <i>J. Serb. Chem. Soc.</i> <b>2012</b> , 77(7) 879–886. <a href="https://doi.org/10.2298/JSC111002214C">https://doi.org/10.2298/JSC111002214C</a> .	1,100
49	Popa, M; <b>Glevitzky, M</b> ; Popa, D; Varvara, S; Dumitreț, GA. Study on Soil Pollution with Heavy Metals Near the River Ampoi, the Alba County. <i>J. Environ. Prot. Ecol.</i>	0,507

	2012, 13(4), 2123-2129	
50	<b>Glevitzky, M;</b> Vica, M; Popa, M; Axinte, R; Varvara, S. Considerations Regarding the Quality and Chemical Stability of Near Water Drinks. <i>J. Environ. Prot. Ecol.</i> <b>2011</b> , 12(3), 1110-1115	<b>0,507</b>
51	Calisevici, MN; Perju, DM; Lysandrou, MC; Dumitrel, GA; <b>Glevitzky, M.</b> Determination of anion and cation contents in Cyprus drinking waters by HPIC method. <i>J. Food Agric. Environ.</i> <b>2011</b> , 9(1), 65-68. <a href="https://doi.org/10.1234/4.2011.1909">https://doi.org/10.1234/4.2011.1909</a> .	<b>0,435</b>
52	<b>Glevitzky, M;</b> Perju, D; Dumitrel, GA; Popa, M; Vica, ML. Water Activity - Indicator of Food Safety and the Factors that Influence the Biochemical Stability of Soft Drinks. <i>Studia UBB Chemia.</i> <b>2009</b> , 54(1), 181-188.	<b>0,500</b>
53	Popa, M; Vica, M; Axinte, R; <b>Glevitzky, M;</b> Varvara, S. Correlations on the Microbiological and Physicochemical Characteristics of Different Types of Honey. <i>J. Environ. Prot. Ecol.</i> <b>2009</b> , 10(4), 1113-1121	<b>0,507</b>
54	<b>Glevitzky, M;</b> Pop, M; Brusturean, GA; Bogdan, I; Calisevici, M; Perju, D. Efficient Use of Antioxidants to Preserve Fruit Juice. <i>Rev. Chim.</i> <b>2008</b> , 59(12),1291-1295.	<b>1,755</b>
55	Pop, M; Lupea, AX; <b>Glevitzky, M;</b> Ardelean A. The Effect of Berries Extract Addition on the Phenolic Content and on the Colour of Rosé and White Wines. <i>Rev. Chim.</i> <b>2008</b> , 59(8), 829-833	<b>1,755</b>
56	<b>Glevitzky, M;</b> Bogdan, I; Brusturean, GA; Perju, D; Silaghi-Perju, D. Study on the inhibition process of the natural juice degradation under different thermal treatments through pasteurization. <i>Rev. Chim.</i> <b>2008</b> , 59(5), 595-600	<b>1,755</b>
57	Pop, M; <b>Glevitzky, M;</b> Cacig, S; Lupea, AX. Study of inhibition properties of the oxidative processes in vegetal oil using <i>Rhamnaceae</i> antioxidants. <i>Rev.Chim.</i> <b>2006</b> , 57(11), 1119-1122	<b>1,755</b>
58	Maranescu, B; Ilia, G; Cozmiuc, C; <b>Glevitzky, M.</b> Synthesis and mathematic models of the HPLC behavior of phosphoramidic derivatives. <i>Rev.Chim.</i> <b>2006</b> , 57(10), 1055-1057	<b>1,755</b>

Nr. crt.	Lucrări publicate în volume de conferințe internaționale indexate Web of Science (Proceedings Papers)
1	Popa, M.; Dumitrel, G.A.; <b>Glevitzky, M.</b> ; Popa, D.V. Anthropogenic Contamination of Water From Galda River—Alba County, Romania. Proceedings of the 4 <sup>th</sup> International Conference Agriculture for Life, Life for Agriculture 2015, 6, 446–452.
2	Popa, M.; Corches, M.; Popa, D.; <b>Glevitzky, M.</b> Educating Future Engineers for the Prevention of Heavy Metals Contamination of Surface Waters in Mining Areas. The Case of Zlatna, Alba County. Proceedings of the 2 <sup>nd</sup> World Conference on Educational Technology Researches 2013, 83, 408–412.

Nr. crt.	Lucrări științifice publicate în reviste indexate în baze de date (B+)
1	<b>M. Glevitzky</b> , Alina Brusturean, Delia Perju, Gh. Laslău, Loredana Matyas - <i>Studies Regarding the Variation of Carbon Dioxide in Certain Carbonated Beverages Stored in Polyethylene Terephthalate Bottles</i> , Chem.Bull "Politehnica" Univ. Timisoara, 50(64), 2005, p. 18-21, ISSN 1224-6018
2	<b>M. Glevitzky</b> , Alina Brusturean, D. Dumitrel, Delia Perju – <i>Aspects concerning the mathematical statistical modeling of CO<sub>2</sub> variation in soft drinks stored in polyethylene terephthalate bottles</i> , Analele Universității „Eftimie Murgu” Reșița, fascicula I, anul XII, nr.1, 2005, p.138-144, ISSN 1453-7394
3	Bianca Maranescu, <b>M. Glevitzky</b> – <i>Caracterizarea analitică a sucurilor carbogazoase tip Cola</i> , Third Edition of New Trends in Chemistry Research, 10-11 November 2005, Timisoara, p. 7, publicată pe CD
4	Bianca Maranescu, <b>M. Glevitzky</b> , Mihaela Petric, Luminita Crisan - <i>Correlations between HPLC Capacity Factor and Molecular Descriptors for Phosphoramidic Acid Derivatives</i> , Annals of West University of Timisoara – Series of Chemistry, 14(2) 2005, p.239-244, ISSN: 1224-9513
5	<b>M. Glevitzky</b> , Alina Brusturean, Delia Perju, Bianca Marănescu, G. Hegeduş – <i>Experimental Modelling of Thigness PET Bottles Influence on the Qualities of Soft Drinks</i> , Microcad 2006, Miskolc, Hungary, 2006, topic: Environmental Protection – Waste Management, p.33-38, ISBN 963 661 700 7 ö, ISBN 963 661
6	Harieta Pîrlea, Dana-Silaghi Perju, Delia Perju, <b>M. Glevitzky</b> , F. Dobren – <i>The Description of the Immission Dispersion of Nitrogen Dioxid in the Atmosphere Using Statistical Mathematical Models</i> , Microcad 2006, Miskolc, Hungary, 2006, topic: Environmental Protection – Waste Management, p. 95-100, ISBN 963 661 700 7 ö, ISBN 963 661 703 1
7	Mariana Pop, <b>M. Glevitzky</b> , Svetlana Cacig, Alfa Xenia Lupea - <i>Modelarea matematică a variației indicelui de peroxid în cazul uleiului de floarea soarelui tratat cu antioxidanți naturali respectiv sintetici</i> , Studia Universitatis Vasile Goldiș Arad, Seria Științele Vieții 16/2006, p.97-102, ISSN 1584-2363
8	Ioana Bogdan, <b>M. Glevitzky</b> , Svetlana Cacig, Mariana Pop, Alfa Xenia Lupea - <i>Aspecte privind influența antioxidanților naturali și sintetici asupra gradului de oxidare al uleiului de măsline</i> , Studia Universitatis Vasile Goldiș Arad, Seria Științele Vieții, 16/2006, p.103-106, ISSN1584-2363
9	<b>M. Glevitzky</b> , Dana Silaghi-Perju, Delia Perju – <i>Mathematical modeling of carbon dioxide variation regarding the main parameters which ensure the quality of cola-type soft drinks</i> , Ovidius University Annals of Chemistry, Constanta, seria: Chimie, Vol.XVII, Nr.1, 2006, p.168-173, ISSN – 1223 – 7221
10	R.C. Moldovan, Delia Perju, <b>M. Glevitzky</b> , S. Marinescu - <i>Mathematical modelling of the static behavior of the thermal boundary layer flowmeter operating with variable thermal flow</i> , Buletinul Universității Petrol-Gaze Ploiești, vol. LVIII, Seria Tehnică, Nr.1/2006, p. 75-78, ISSN 1224-8495
11	Adina Căta, <b>M. Glevitzky</b> , R.C. Moldovan, Mirela Calisevici, Delia Perju - <i>Optimisation of heat exchangers ensemble operation in order to improve the technological indicators</i> , Buletinul Universității Petrol-Gaze Ploiești, vol. LVIII, Seria Tehnică, Nr.1/2006, p. 122-125, ISSN 1224-849
12	Svetlana Cacig, <b>M. Glevitzky</b> , Mariana Pop, Alfa Xenia Lupea - <i>Statistical mathematical modeling of sunflower oil oxidation dynamics. The antioxidants addition influence</i> , Scientific and Technical Bulletin, Series: Chemistry, Food Science & Engineer, XII, vol. 11, pg. 8-13, 2006, ISSN 1582-1021
13	Mirela Calisevici, R.C. Moldovan, <b>M. Glevitzky</b> , Delia Perju - <i>Mathematical modelling of the static behaviour of an heat exchangers pipe-in-pipe type ensemble</i> , Microcad 2007 International Scientific Conference, Miskolc, Hungary, 2007, topic: Fluid and Heat Engineering, p.29-34, ISBN 978-963-661-742-4 ö, ISBN 978-963-661-746-2
14	<b>M. Glevitzky</b> , Mariana Pop, Svetlana Cacig, Alfa Xenia Lupea, Dana Silaghi-Perju - <i>Models based on experimental data of oil stability and antioxidants influence</i> , Microcad 2007 International Scientific Conference, Miskolc, Hungary, 2007, topic: Health Science, p.19-24, ISBN 978-963-661-742-4 ö, ISBN 978-963-661-759-2

15	Nadia Pop, <b>M. Glevitzky</b> , Florica Manea, M. Murariu, C. Ianasi, Rodica Pode - <i>Conditioning models of sewage sludge</i> , Microcad 2007 International Scientific Conference, Miskolc, Hungary, 2007, topic: Watermanagement and Environmental Protection, p.119-124, ISBN 978-963-661-742-4 ö, ISBN 978-963-661-742-2
16	<b>M. Glevitzky</b> , Ioana Bogdan, Alina Brusturean, Dana Silaghi-Perju - <i>Use of Pasteurization Units or Equivalent for the Quality Estimation of Fruit Juices Submitted to Different Thermal Treatments</i> , Chem. Bull. "Politehnica" Univ. Timisoara, 52(66), 2007, p. 18 – 20, ISSN 0034-7752
17	I. Caba, <b>M. Glevitzky</b> - <i>Developing a generalised input-output model for the valorising of a tourism site potential</i> , Agricultural Sciences Nr. 39 (I), (II), 7 <sup>th</sup> session, Social Sciences, 2007, p. 679-682, ISSN: 1221-5279
18	<b>M. Glevitzky</b> , Ioana Bogdan, Alina Brusturean, Delia Perju - <i>Dezvoltarea standardelor de managementul calității și implementarea programelor HACCP ca instrument de gestiune a securității sanitare a alimentelor pentru procesul tehnologic de obținere a nectarului</i> , Bul. AGIR, 1-2/2008, p. 36-41, ISSN 1224-7928
19	<b>M. Glevitzky</b> , Ioana Bogdan, Alina Brusturean, Mirela Calisevici, Delia Perju - <i>Analiza punctelor critice cu risc major în reducerea termenului de valabilitate a bauturilor racoritoare utilizând metoda ASLD</i> , Bul. AGIR, 1-2/2008, p. 54-59, ISSN 1224-7928
20	<b>M. Glevitzky</b> , Ioana Bogdan, Alina Brusturean, Delia Perju - <i>Use of Artificial Neural Networks as Methodology of Establishing the Shelf Life of Carbonated Soft Drinks</i> , Chem. Bull "Politehnica" Univ. Timisoara, 53(67), 2008, p. 241 – 243, ISSN 1224-6018
21	Popa, M., <b>Glevitzky, M.</b> , Vica., M., Varvara, S., <i>Study regarding the Quality Aromatized Waters</i> , Annales Universitatis Apulensis Series Oeconomica, 10(2008), vol 2 , ISSN 1454-9409
22	Vica., M., <b>Glevitzky, M.</b> , Dumitrel, G.A., Popa, M., Varvara, S. - <i>Microbiological role in Hazard Analysis of Natural Honey Processing</i> , Journal of Agroalimentary Processes and Technologies 15(1-2), 2009, p.353-360, ISSN 1453-1399
23	<b>Glevitzky, M.</b> , Dumitrel, G., Popa, M., <i>Studies regarding Non-enzymatic Browning of Orange and apple Juices during Storage</i> , Journal of Agroalimentary Processes and Technologies 15(4), 2009, p. 511-514, ISSN 1453-1399
24	<b>M. Glevitzky</b> , G.A. Dumitrel, D. Perju, M. Popa, <i>Studies Regarding the Use of Preservatives on Soft Drinks Stability</i> , Chem. Bull. "Politehnica" Univ. (Timisoara), 54(68), 1, 2009, p. 31-36, ISSN 1224-6018
25	M.N. Calisevici, D. Perju, G.A. Dumitrel, <b>M. Glevitzky</b> , R.C. Moldovan - <i>Determination of Anions and Cations Content in Romanian Drinking Waters by HPIC Method</i> , Chem. Bull. "Politehnica" Univ. (Timisoara), 54(68), 1, 2009, p. 26-30, ISSN 1224-6018
26	Popa, M., Vica., M., Axinte R., <b>Glevitzky, M.</b> , Varvara, S., <i>Study concerning the honey qualities in Transylvania Region</i> , Annales Universitatis Apulensis Series Oeconomica, 11(2009), vol 2 , ISSN 1454-9409
27	Todoran Angela, <b>Glevitzky M.</b> , <i>Microbiological Groundwater Quality from Alba County</i> , Journal of Agroalimentary Processes and Technologies 15(4), 2009, p.515-520, ISSN 1453-1399
28	Popa, M., Axinte R., Varvara, S., Vica., M., <b>Glevitzky, M.</b> , Tomescu A., <i>Study concerning microbiological and physical-chemical characteristics of Transylvania honey</i> , The Annals of the University of Oradea, Economics Sciences Fascicle, 18(4), 2009, ISSN 1222-569X, ISSN 1582-5450
29	Popa, M., Bostan R., Varvara, S., Vica., M., <b>Glevitzky, M.</b> , Barascu E., <i>Study regarding the quality of honey – changes in HMF content of the honey from Transylvania (Romania)</i> , Annals. Food Science and Technology, vol. 10(2), 2009, p. 506-509,
30	Mihaela Vica, <b>M. Glevitzky</b> , Gabriela-Alina Dumitrel, Maria Popa, Angela Todoran -

	<i>Microbiological Quality of Ice-Creams Produced in Alba County, Romania</i> , Journal of Agroalimentary Processes and Technologies, 16 (1), 2010, p. 19-23, ISSN 1453-1399
31	Angela Todoran, <b>M. Glevitzky</b> , Mihaela Vica - <i>Studies regarding the quality of water and food for utilitarian dogs from Alba County, Romania</i> , Journal of Agroalimentary Processes and Technologies, 16 (1), 2010, p.24-29, ISSN 1453-1399
32	Mihai Teopent Corcheș, <b>M. Glevitzky</b> , <i>Studies regarding the heavy metals pollution of Arieș River</i> , Journal of Agroalimentary Processes and Technologies, 16 (4), 2010, p. 452-456, ISSN 1453-1399
33	Maria Popa, <b>M. Glevitzky</b> , D. Popa, Ada Tomescu, <i>Study on dynamics of food contamination in industrialized area</i> , Annals of the University of Oradea, Economics Sciences Fascicle, 19(1), 2010, p. 761-765, ISSN 1222-569X, ISSN 1582-5450
34	Angela Todoran, Mihaela Vica, <b>M. Glevitzky</b> , Gabriela Alina Dumitrel, Maria Popa, <i>Water Environmental Situation of Wells in Galda de Jos Village, Romania: Microbiological control</i> , Chem. Bull. "Politehnica" Univ. (Timisoara), 55(69), 1, 2010, p. 95-98, ISSN 1224-6018
35	Popa Maria, Bostan Roxana, Varvara Simona, <b>Glevitzky M.</b> , <i>Study on quality parameters and enzymatic activity of grain mill products region in Transylvania</i> , Annals of the University of Oradea: Economics Sciences, 1(1), 2011, p. 681-685, ISSN 1222-569X, ISSN 1582-5450
36	<b>M. Glevitzky</b> , Gabriela-Alina Dumitrel, Maria Popa, Angela Todoran, <i>Water Quality of Public Wells from Rural Area of Ampoi Basin, Transylvania</i> , Chem. Bull. "Politehnica" Univ. Timisoara, 57(71), 2012, p. 1 – 5, ISSN 0034-7752
37	Gabriela-Alina Dumitrel, <b>M. Glevitzky</b> , Maria Popa, A.E.Cioablă, F. Popescu, <i>Evolution in time of soil heavy metals contamination from Zlatna region – Romania</i> , Proceedings of the 11 <sup>th</sup> International Conference of Recent Advances in Mechanical Engineering Series, Vouliagmeni, Athens, Greece May 14-16, 2013, p. 112-116
38	Maria Popa, M. Corcheș, D. Popa, <b>M. Glevitzky</b> , <i>Educating Future Engineers for the Prevention of Heavy Metals Contamination of Surface Waters in Mining Areas. The Case of Zlatna, Alba County</i> , Procedia – Social and Behavioral Sciences, 83 (2013), 408-412
39	I. Glevitzky, G.A. Dumitrel, <b>M. Glevitzky</b> , M. Popa, <i>Study of Accelerated Storage as Method of Predicting Orange Beverages Shelf-Life</i> , Chem. Bull. "Politehnica" Univ. Timisoara, 61(75), 2, 2016, p. 72 – 76.
40	M. Popa, G.A. Dumitrel, I. Glevitzky, <b>M. Glevitzky</b> , D. Popa, <i>Study of Rural Groundwater Quality in Brestea Village, Romania</i> , USAMVB „Agriculture for Life, Life for Agriculture” Conference Proceedings, 1(1), 2018, p. 393-398
41	<b>Glevitzky, M.</b> ; Corcheș, M.T. Analysis of Chironomid Communities in the Ecological Monitoring of the Galda River, Romania. <i>Ann. Fac. Eng. Hunedoara Int. J. Eng.</i> <b>2025</b> , 23(4), 137–142.
42	Corcheș, M.T.; <b>Glevitzky, M.</b> Ecological Impacts of Renewable Energy Projects and Technological Innovations for Their Mitigation. <i>Acta Tech. Corviniensis Bull. Eng.</i> 2025, 18(4), 21–29.

Nr. crt.	<b>Cărți publicate, capitole în cărți, manuale, îndrumare</b>
1	<b>Glevitzky M.</b> - <i>Contribuții la îmbunătățirea calității sucurilor prin utilizarea tehnicilor de modelare matematică, în vederea extinderii duratei de viață și impactul acesteia asupra siguranței alimentului</i> , Editura Politehnica, Timișoara, 2007, ISSN 1842-8223, ISBN: 978-973-625-516-8, (224 pag)
2	Popa M., <b>Glevitzky M.</b> - <i>Contaminarea marfurilor agroalimentare – Metode si tehnici experimentale de cercetare</i> , Editura Casa Cartii de Stiinta, Cluj Napoca, 2009, ISBN 978- 973-133- 678-7, (190 pag)
3	<b>Glevitzky M.</b> , Popa M. - <i>Tehnologii curate de protecția mediului. Tehnologii, biotehnologii, microbiologie</i> , Editura Aeternitas, Alba Iulia, 2012, ISBN 978-606-613-049-3, (209 pag)
4	Popa M., <b>Glevitzky M.</b> – <i>Bazele merceologiei – Teorie și aplicații</i> , Editura Casa Cărții de Știință, Cluj

	Napoca, 2012, ISBN 978- 606-17- 0276-3, (269 pag)
5	<b>Glevitzky M., Popa M. - Calitatea apelor freactice: principii teoretice și studii de caz,</b> Editura Aeternitas, Alba Iulia, 2013, ISBN 978-606-613-049-3, (270 pag)
6	Popa M., <b>Glevitzky M. – Chimia mediului. Noțiuni de bază și studii de caz,</b> Editura Aeternitas, Alba Iulia, 2014, ISBN 978-606-613-091-2, (195 pag)
7	Popa M., <b>Glevitzky M. - Calitate și Securitate Alimentară,</b> Seria Didactica, Alba Iulia, 2018 (197 pag)
8	Popa M., Glevitzky I., <b>Glevitzky M., Oprean C. - Managementul riscului în industria alimentară, în contextul combaterii efectelor infecției virale cu COVID-19, capitol</b> în <i>Abordări și studii de caz relevante privind managementul organizațiilor din România în contextul pandemiei Covid-19</i> , Editura Pro Universitaria, Bucuresti, 2020, ISBN: 978-606-26-1244-3, (pag. 93-102)
9	Popa M., Glevitzky I., <b>Glevitzky M., Popa D.V., Popa D.M., Titu A.M., Oprean C., Achim M.I. - Modern Instrument for Nonconformities' Management Within Quality Management Systems, capitolul 7</b> în: Nicolescu, O., Oprean, C., Titu, A.M., Vaduva, S. (editori) <i>Romanian Management Theory and Practice. Contributions to Management Science.</i> Editura Springer Nature 2025. ISBN 978-3-031-60342-6, <a href="https://doi.org/10.1007/978-3-031-60343-3">https://doi.org/10.1007/978-3-031-60343-3</a> , (pag. 99-120) ( <a href="https://www.scopus.com/authid/detail.uri?authorId=57408140700">https://www.scopus.com/authid/detail.uri?authorId=57408140700</a> ), indexat SCOPUS)

### Granturi și proiecte de cercetare

- Membru în echipa de cercetare a **grantului CNCISIS de tip A**, nr. A1/GR181/19.05.2006, Tema nr. 27, Cod CNCISIS 625, „*Simularea și operarea optimă cu sisteme de conducere evolute a instalațiilor de cercetare și laborator din industria chimică*”, Beneficiar M.E.C., Director grant: *prof.dr.ing. Perju Delia*, valoare 20.000 RON
- Membru în echipa de cercetare a **contractului tip CEEX** nr. 057/03.10.2005, subcontract nr. 15/05.10.2005, P.II, „*Reabilitarea solului prin procedee intensive din zonele de exploatare si prelucrare a minereurilor radioactive in conditiile producerii de catastrofe naturale sau accidente antropice*” – acronim RESOLRAD, Director contract: *prof.dr.ing. Perju Delia*, valoare 8.000 RON
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