

**Публікації викладачів кафедри у періодичних наукових виданнях, що
включені до наукометричних баз Scopus та Web of Science Core
Collection**

**A tanszék oktatóinak a Scopus és a Web of Science Core Collection
adatbázisában jegyzett publikációi**

Andrik Éva

Андрик Єва Йосефівна

1. Májeková J., Zaliberová M., Andrik E., Protopopova V., Shevera M., Ikhardt P. (2021) A comparison of the flora of the Chop (Ukraine) and Čierna nad Tisou (Slovakia) border railway stations. *Biologia*. 76:1969–1989. <https://doi.org/10.2478/s11756-020-00592-x>. **Scopus, Web of Science , Q3, IF=1,4**
2. Gural-Sverlova N., Andrik E. (2023) First record of *Hygromia cinctella* (Draparnaud, 1801) (Gastropoda: Hygromiidae) in Ukraine outside Crimea. *Folia Malacol.* 2023; 31(2):119–125. DOI: <https://doi.org/10.12657/folmal.031.017>. **Scopus, Web of Science**
3. Андрик Є.Й., Шиндер О.І., Шевера М.В. 2025. *Sedum sarmentosum* (Crassulaceae) у флорі України. *Ukrainian Botanical Journal*, 82(2): 162–170. [In Ukrainian]. DOI: <https://doi.org/10.15407/ukrbotj82.02.162> **Scopus, Web of Science Q3**

Csoma Zoltán

Чома Золтан Золтанович

4. Simon Viktoria, Manilo Maryna, Vanyorek Laszlo, Csoma Zoltan, Barany Sandor 2020: Comparative Study of Cu(II) Adsorption by As-prepared and Oxidized Multi-walled N-Doped Carbon Nanotubes *Colloid Journal*, 82(4), 427–436 <https://doi.org/10.1134/S1061933X20040134>. **Scopus, Web of Science, Q3, IF=0.862**
5. Balog Renata, Manilo Maryna, Vanyorek Laszlo, Csoma Zoltan, Barany Sandor 2020: Comparative study of Ni(II) adsorption by pristine and oxidized multi-walled N-doped carbon nanotubes. *RSC Advances*, 10, 3184-3191 DOI: <https://doi.org/10.1039/C9RA09755D>. **Scopus, Web of Science, Q1, IF=3.119**
6. Balog Renata, Simon Viktoria, Manilo Maryna, Vanyorek Laszlo, Csoma Zoltan, Barany Sandor Comparative 2020: Study of Ni(II) and Cu(II) Adsorption by As-Prepared and Oxidized Multi-Walled N-Doped Carbon Nanotubes *Nanosistemi, Nanomateriali, Nanotehnologii* 18: 2 pp. 283-298. 16 p. <https://doi.org/10.15407/nnn.18.02.283>. **Scopus, Q4, (фаховий журнал) категорія A**
7. Filep M., Molnár K., Sabov M., Csoma Z., Pogodin A. 2021: Structural, thermal, and optical properties of Co²⁺ and Mg²⁺ doped K₂Ni(SO₄)₂•6H₂O single crystals, *Optical Materials*, 122, 111753. <https://doi.org/10.1016/j.optmat.2021.111753>. **Scopus, Q2, IF=3.754**
8. Filep, M. J., Molnar, K. A., Sabov, M. Y., Pogodin, A. I., Pop, M. M., & Csoma, Z. Z. Crystal growth and optical properties anizotropy of α-NiSO₄× 6H₂O. *Journal of Chemistry and Technologies*, 2024, 32.4: 908-915. DOI: <https://doi.org/10.15421/jchemtech.v32i4.31620> **Scopus, Web of Science, IF=0,5, Q4,**

Filep Mihály

Філеп Михайло Йосипович

9. Studenyak I., Pogodin A., Shender I., Bereznyuk S., Filep M., Kokhan O. Electrical 2020: Conductivity of Ceramics Based on $(\text{Cu}_{1-x}\text{Ag}_x)_7\text{SiS}_5\text{I}$ Nanocrystalline Powders. IEEE 10th International Conference Nanomaterials: Applications & Properties (NAP). P. 02NEE03-1-02NEE03-4. <https://doi.org/10.1109/NAP51477.2020.9309527>. **Scopus, Q2, IF=3.0**
10. Studenyak I.P., Pogodin A.I., Studenyak V.I., Izai V.Y., Filep M.J., Kokhan O.P., Kranjčec M., Kúš P. 2020: Electrical properties of copper- and silver-containing superionic $(\text{Cu}_{1-x}\text{Ag}_x)_7\text{SiS}_5\text{I}$ mixed crystals with argyrodite structure. Solid State Ionics. 2020. 345. 115183. <https://doi.org/10.1016/j.ssi.2019.115183>. **Scopus, Q2, Web of Science Q2, IF=3.0**
11. Myslyvchenko O.M., Krapivka M.O., Tereshchenko O.S., Filep M.I. 2020: Influence of Chromium on the Phase Composition and Specific Features of Hardening of the MnFeCoNiCu High-Entropy Alloy. Materials Science. 56. 375–380. <https://doi.org/10.1007/s11003-020-00440-y>. **Web of Science, Q4, IF=0,7**
12. Studenyak I.P., Pogodin A.I., Shender I.A., Bereznyuk S.M., Filep M.J., Kokhan O.P., Kopčanský P. 2020: Structural and impedance studies of copper-enriched $(\text{Cu}_{0.75}\text{Ag}_{0.25})_7\text{SiS}_5\text{I}$ -based ceramics. Semiconductor Physics, Quantum Electronics & Optoelectronics. 23(3). 260-266. <https://doi.org/10.15407/spqeo23.03.260>. **Scopus Q3, Web of Science, Q4, IF=1,1**
13. Fizer M., Filep M., Fizer O., Fričová O., Mariychuk R. 2021: Cetylpyridinium picrate: Spectroscopy, conductivity and DFT investigation of the structure of a new ionic liquid. Journal of Molecular Structure. 1229. 129803. <https://doi.org/10.1016/j.molstruc.2020.129803>. **Scopus, Q2, Web of Science Q2, IF=4.0**
14. Studenyak I.P., Pogodin A.I., Filep M.J., Kokhan O.P., Symkanych O.I., Timko M., Kopčanský P. 2021: Crystal structure and electrical properties of $\text{Ag}_6\text{PS}_5\text{I}$ single crystal. Semiconductor Physics, Quantum Electronics & Optoelectronics. 24(1). 26-33. <https://doi.org/10.15407/spqeo24.01.026>. **Scopus, Q3, Web of Science, Q4, IF=1,1**
15. Pogodin A., Luchynets M., Filep M., Kohutych A., Malakhovska T., Kokhan O., Sabov M., Studenyak I., Kúš P. 2021: Electrical conductivity and thermoelectrical parameters of argyrodite-type $\text{Cu}_{7-x}\text{PS}_6-x\text{I}_x$ mixed crystals. Ukrainian Journal of Physics. 66(2). 159-165. <https://doi.org/10.15407/ujpe66.2.159>. **Scopus, Q3, Web of Science, Q4, IF=0,6**
16. Studenyak I.P., Pogodin A.I., Shender I.A., Filep M.J., Kokhan O.P., Kopčanský P. 2021: Electrical properties of cation-substituted $\text{Ag}_7(\text{Si}_{1-x}\text{Ge}_x)\text{S}_5\text{I}$ single crystals. Semiconductor Physics, Quantum Electronics & Optoelectronics. 24(3). 241-247. <https://doi.org/10.15407/spqeo24.03.241-247>. **Scopus, Q3, Web of Science, Q4, IF=1,1**
17. Studenyak I.P., Pogodin A.I., Studenyak V.I., Malakhovska T.O., Filep M.J., Kokhan O.P., Takats V., Kökényesi S. 2021: Influence of cation substitution on electrical conductivity of microcrystalline ceramics based on $(\text{Cu}_{1-x}\text{Ag}_x)_7\text{GeSe}_5\text{I}$ solid solutions. Semiconductor Physics, Quantum Electronics & Optoelectronics. 24(2). 131-138. <https://doi.org/10.15407/spqeo24.02.131>. **Scopus, Q3, Web of Science, Q4, IF=1,1**

18. Pogodin A., Studenyak V., Filep M., Kokhan O., Studenyak I., Kúš P. 2021: Influence of cation substitution on ionic and electronic conductivity of $(\text{Cu}_{1-x}\text{Ag}_x)_7\text{GeS}_5\text{I}$ mixed crystals. *Ukrainian Journal of Physics*. 66(4). 341-347. <https://doi.org/10.15407/ujpe66.4.341>. **Scopus, Q3, Web of Science, Q4, IF=0,6**
19. Shender I., Studenyak V., Pogodin A., Filep M., Malakhovska T., Kokhan O., Studenyak I. 2021: Influence of $\text{Cu}^{+} \leftrightarrow \text{Ag}^{+}$ Cationic Substitution on Electrical Properties of Ceramics Based on $(\text{Cu}_{1-x}\text{Ag}_x)_7\text{GeSe}_5\text{I}$ Nanopowders. 2021 IEEE 11th International Conference Nanomaterials: Applications & Properties (NAP). pp. 1-5. <https://doi.org/10.1109/NAP51885.2021.9568575>. **Scopus**
20. Studenyak I.P., Pogodin A.I., Filep M.J., Symkanych O.I., Babuka T.Y., Kokhan O.P., Kúš P. 2021: Influence of heterovalent cationic substitution on electrical properties of $\text{Ag}_{6+x}(\text{P}_{1-x}\text{Ge}_x)\text{S}_5\text{I}$ solid solutions. *Journal of Alloys and Compounds*. 873. 159784. <https://doi.org/10.1016/j.jallcom.2021.159784>. **Scopus, Q1, Web of Science, Q1, IF=5,8**
21. Studenyak I.P., Pogodin A.I., Luchynets M.M., Filep M.Y., Kohutych A.A., Malakhovska T.O., Kokhan O.P., Sabov M.Y., Kúš P. 2021: Influence of heterovalent substitution on structural, electrical and thermoelectric properties of $\text{Cu}_{7-x}\text{PS}_6\text{-xBr}_x$ solid solutions. *Journal of Physics and Chemistry of Solids*. 150. 109855. <https://doi.org/10.1016/j.jpcs.2020.109855>. **Scopus, Q2, Web of Science, Q2, IF=4,3**
22. Shender I., Pogodin A., Aleksyk V., Babilya M., Studenyak I., Bilanych V., Filep M. 2021: Mechanical Properties of Single Crystals Based on $\text{Ag}_{6+x}(\text{P}_{1-x}\text{Ge}_x)\text{S}_5\text{I}$ Solid Solutions. 2021 IEEE 12th International Conference on Electronics and Information Technologies (ELIT). pp. 10-13. <https://doi.org/10.1109/ELIT53502.2021.9501088>. **Scopus**
23. Studenyak I.P., Pogodin A.I., Shender I.A., Berezhnyuk S.M., Filep M.J., Kokhan O.P., Kúš P. 2021: Preparation and electrical conductivity of $(\text{Cu}_{0.5}\text{Ag}_{0.5})_7\text{SiS}_5\text{I}$ -based superionic ceramics. *Journal of Alloys and Compounds*. 854. 157131. <https://doi.org/10.1016/j.jallcom.2020.157131>. **Scopus, Q1, Web of Science, Q1, IF=5,8**
24. Filep M., Molnár K., Sabov M., Csoma Z., Pogodin A. 2021: Structural, thermal, and optical properties of Co^{2+} and Mg^{2+} doped $\text{K}_2\text{Ni}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$ single crystals. *Optical Materials*. 122(A). 111753. <https://doi.org/10.1016/j.optmat.2021.111753>. **Scopus, Q1, Web of Science, Q1, IF=3,8**
25. Pogodin A., Shender I., Berezhnyuk S., Filep M., Kokhan O., Suslikov L., Studenyak I. 2021: Structure and electrical properties of superionic ceramics based on silver-enriched $(\text{Cu}_{0.25}\text{Ag}_{0.75})_7\text{SiS}_5\text{I}$ solid solution. *Ukrainian Journal of Physics*. 66(6). 489-496. <https://doi.org/10.15407/ujpe66.6.489>. **Scopus, Q3, Web of Science, Q4, IF=0,6**
26. Studenyak I.P., Pogodin A.I., Studenyak V.I., Filep M.J., Kokhan O.P., Kúš P., Azhniuk Y.M., Zahn D.R.T. Structure, electrical conductivity, and Raman spectra of $(\text{Cu}_{1-x}\text{Ag}_x)_7\text{GeS}_5\text{I}$ and $(\text{Cu}_{1-x}\text{Ag}_x)_7\text{GeSe}_5\text{I}$ mixed crystals. *Materials Research Bulletin*. 2021. 135. 111116. <https://doi.org/10.1016/j.materresbull.2020.111116>. **Scopus, Q1, Web of Science, Q2, IF=5,3**

27. Pogodin A.I., Filep M.J., Izai V.Yu., Kokhan O.P., Kúš P. Crystal growth and electrical conductivity of Ag₇PS₆ and Ag₈GeS₆ argyrodites. *Journal of Physics and Chemistry of Solids*. 2022. 168 110828. <https://doi.org/10.1016/j.jpcs.2022.110828>. **Scopus, Q2, Web of Science, Q2, IF=4,3**
28. Pogodin A.I., Studenyak I.P., Shender I.A., Pop M.M., Filep M.J., Malakhovska T.O., Kokhan O.P., Kopčanský P., Babuka T.Y. Crystal structure, ion transport and optical properties of new high-conductivity Ag₇(Si_{1-x}Gex)S₅I solid solutions. *Journal of Materials Science*. 2022. 57. 6706–6722. <https://doi.org/10.1007/s10853-022-07059-1>. **Scopus, Q1, Web of Science, Q2, IF=3,5**
29. Pogodin A.I., Pop M.M., Shender I.O., Studenyak I.P., Filep M.J., Malakhovska T.O., Kokhan O.P., Babuka T.Y., Stercho I.P., Rubish V.M., Kopčanský P. 2022: Effect of structural site disorder on the optical properties of Ag_{6+x}(P_{1-x}Gex)S₅I solid solutions. *Journal of Materials Science: Materials in Electronics*. 33. 21874 – 21889. <https://doi.org/10.1007/s10854-022-08974-4>. **Scopus, Q2, Web of Science, Q2, IF=2,8**
30. Studenyak I.P., Pogodin A.I., Shender I.A., Studenyak V.I., Filep M.J., Symkanych O.I., Kokhan O.P., Kúš P. 2022: Electrical properties of ceramics based on Ag₇TS₅I (T = Si, Ge) solid electrolytes. *Journal of Solid State Chemistry*. 309. 122961. <https://doi.org/10.1016/j.jssc.2022.122961>. **Scopus, Q2, Web of Science, Q2, IF=3,2**
31. Pogodin A.I., Shender I.O., Filep M.J., Kokhan O.P., Symkanych O.I., Malakhovska T.O., Suslikov L.M., Kopčanský P. 2022: Grain size effect on electrical properties of Ag₆PS₅I-based ceramic materials. *Semiconductor Physics, Quantum Electronics & Optoelectronics*. 25(3). 294-302. <https://doi.org/10.15407/spqeo25.03.294>. **Scopus, Q3, Web of Science, Q4, IF=1,1**
32. Vu T.V., Khyzhun O.Y., Lavrentyev A.A., Gabrelian B.V., Sabov V.I., Sabov M.Y., Filep M.Y., Pogodin A.I., Barchiy I.E. 2022: Highly anisotropic layered crystal AgBiP₂Se₆: Growth, electronic band-structure and optical properties. *Materials Chemistry and Physics*. 277. 125556. <https://doi.org/10.1016/j.matchemphys.2021.125556>. **Scopus, Q1, Web of Science, Q2, IF=4,3**
33. Pogodin A.I., Filep M.J., Studenyak V.I., Symkanych O.I., Stercho I.P., Izai V.Yu., Kokhan O.P., Kúš P. 2022: Influence of crystal structure disordering on ionic conductivity of Ag_{7+x}(P_{1-x}Gex)S₆ single crystals. *Journal of Alloys and Compounds*. 926. 166873. <https://doi.org/10.1016/j.jallcom.2022.166873>. **Scopus, Q1, Web of Science, Q1, IF=5,8**
34. Pogodin, A.I., Pop, M.M., Shender, I.A., Studenyak I. P., Filep M. J., Malakhovska T. O., Kokhan O. P., Babuka T. Y., Suslikov L. M., Rubish V. M. 2022: Influence of order–disorder effects on the optical parameters of Ag₇(Si_{1-x}Gex)S₅I -mixed crystals. *Journal of Materials Science: Materials in Electronics*. 33. 15054–15066. <https://doi.org/10.1007/s10854-022-08422-3>. **Scopus, Q2, Web of Science, Q2, IF=2,8**
35. Pogodin A.I., Filep M.J., Malakhovska T.O., Vakulchak V.V., Komanicky V., V. Izai Yu., Studenyak Y.I., Zhukova Y.P., Shender I.O., Bilanych V.S., Kokhan O.P., Kúš P. 2022: Microstructural, mechanical and electrical properties of superionic Ag_{6+x}(P_{1-x}Gex)S₅I ceramic materials. *Journal of Physics and Chemistry of Solids*. 171. 111042. <https://doi.org/10.1016/j.jpcs.2022.111042>. **Scopus, Q2, Web of Science, Q2, IF=4,3**

36. Fizer, O., Fizer, M., Filep, M., Sidey, V., Mariychuk, R. 2022: On the structure of cetylpyridinium perchlorate: A combined XRD, NMR, IR and DFT study. *Journal of Molecular Liquids*. 368. 120659. <https://doi.org/10.1016/j.molliq.2022.120659>. **Scopus, Q1, Web of Science, Q1, IF=5,3**
37. Pogodin A., Malakhovska T., Filep M., Kokhan O., Shender I., Studenyak Y., Zhukova Y. 2022: Optical pseudogap of $\text{Ag}_7(\text{Si}_{1-x}\text{Ge}_x)\text{S}_5\text{I}$ solid solutions. *Ukrainian Journal of Physical Optics*. 23(2). 77-85. <https://doi.org/10.3116/16091833/23/2/77/2022>. **Scopus, Q1, Web of Science**
38. Fizer O., Filep M., Pantyo V., Elvira D., Fizer M. 2022: Structural study and antibacterial activity of cetylpyridinium dodecyl sulfate ion pair. *Biointerface Research in Applied Chemistry*. 12. 3501–3512. <https://doi.org/10.33263/BRIAC123.35013512>. **Scopus, Q3**
39. Pogodin A., Pop M., Shender I., Filep M., Malakhovska T., Kokhan O., Izai V., Kúš P., Rubish V. 2023: Anionic framework descriptors and microstructure affects on optical parameters of $\text{Ag}_{7+x}(\text{P}_{1-x}\text{Ge}_x)\text{S}_6$ single crystals. *Optical Materials*. 145. 114407. <https://doi.org/10.1016/j.optmat.2023.114407>. **Scopus, Q1, Web of Science, Q1, IF=3,8**
40. Milyovich S, Pantyo V, Danko E, Pogodin A, Filep M, Fizer O, Fizer M, Sidey V, Mariychuk R. 2023: Antibacterial Application of Carpathian Clinoptilolite as Cetylpyridinium Carrier. *Biointerface Research in Applied Chemistry*. 13(4). 348. <https://doi.org/10.33263/BRIAC134.348>. **Scopus, Q3**
41. Pogodin A.I., Pop M.M., Shender I.A., Filep M.J., Malakhovska T.O. Vakulchak V.V., Kokhan O.P., Bletska D., Rubish V.M., Lisý V., Tóthová J. 2023: Band structure and optical properties of low temperature modification of Ag_7PS_6 single crystal. *Journal of Materials Science: Materials in Electronics*. 34. 1508. <https://doi.org/10.1007/s10854-023-10916-7>. **Scopus, Q2, Web of Science, Q2, IF=2,8**
42. Pogodin A., Filep M., Malakhovska T., Vakulchak V., Komanicky V., Vorobiov S., Izai V., Satrapinskyy L., Shender I., Bilanych V., Kokhan O., Kúš P. 2023: Crystallite size and recrystallization effect on electrical parameters of highly ion-conductive $\text{Ag}_7\text{Si}_{0.4}\text{Ge}_{0.6}\text{S}_5\text{I}$ ceramics. *Journal of Materials Science: Materials in Electronics*. 34.1865. <https://doi.org/10.1007/s10854-023-11364-z>. **Scopus, Q2, Web of Science, Q2, IF=2,8**
43. Malakhovska T.O., Pogodin A.I., Filep M.J., Studenyak Ya.I., Kokhan O.P., Zubaka O.V., Izai V.Yu., Kúš P. 2023: Diffuse reflectance spectroscopy of solid solutions in the $\text{Ag}_7\text{PS}_6\text{-Ag}_8\text{GeS}_6$ system. *Semiconductor Physics, Quantum Electronics & Optoelectronics*. 26(2). 152-158. <https://doi.org/10.15407/spqeo26.02.152>. **Scopus, Q3, Web of Science, Q4, IF=1,1**
44. Shender I.O., Pogodin A.I. Filep M.J., Malakhovska T.O. Kokhan O.P., Bilanych V.S., Skubenych K.V., Symkanych O.I., Izai V.Yu., Suslikov L.M. 2023: Influence of cation $\text{Si}^{4+} \leftrightarrow \text{Ge}^{4+}$ and $\text{P}^{5+} \leftrightarrow \text{Ge}^{4+}$ substitution on the mechanical parameters of single crystals $\text{Ag}_7(\text{Si}_{1-x}\text{Ge}_x)\text{S}_5\text{I}$ and $\text{Ag}_{6+x}(\text{P}_{1-x}\text{Ge}_x)\text{S}_5\text{I}$. *Semiconductor Physics, Quantum Electronics & Optoelectronics*. 26(4). 408-414. <https://doi.org/10.15407/spqeo26.04.408>. **Scopus, Q3, Web of Science, Q4, IF=1,1**

45. Pogodin A., Filep M., Malakhovska T., Vakulchak V., Komanicky V., Vorobiov S., Izai V., Satrapinsky L., Shender I., Bilanych V., Kokhan O., Kúš P. Influence of recrystallization process on ionic conductivity of Ag_{6.75}P_{0.25}Ge_{0.75}S₅I based ceramic material. *Ceramics International*. 2023. 49(21). 33764-33772. <https://doi.org/10.1016/j.ceramint.2023.08.068>. **Scopus, Q1, Web of Science, Q1, IF=5,1**
46. Malakhovska T.O., Pogodin A.I., Filep M.J., Pop M.M., Studenyak Ya.I., Nemesh K.M., Mariychuk R., Vakulchak V.V., Komanicky V., Vorobiov S. Optical characteristics of silver-based nanocomposites fabricated by an environmentally friendly method. *Semiconductor Physics, Quantum Electronics & Optoelectronics*. 2023. 26(1). 076-083. <https://doi.org/10.15407/spqeo26.01.076>. **Scopus, Q3, Web of Science, Q4, IF=1,1**
47. Pogodin A.I., Filep M.J., Vorobiov S., Komanicky V., Malakhovska T.O., Kokhan O.P., Vakulchak V.V. Preparation and ionic conductivity of Ag₈GeS₆-based ceramic materials. *Semiconductor Physics, Quantum Electronics & Optoelectronics*. 2023. 26(3). 270-277. <https://doi.org/10.15407/spqeo26.03.270>. **Scopus, Q3, Web of Science, Q4, IF=1,1**
48. Pogodin A., Filep M., Malakhovska T., Vakulchak V., Komanicky V., Vorobiov S., Izai V., Shender I., Bilanych V., Kokhan O., Kúš P. Recrystallization effect on mechanical parameters and increasing of Ag⁺ ionic conductivity in Ag₇(Si_{1-x}Ge_x)S₅I ceramic materials. *Solid State Sciences*. 2023. 140. 107203. <https://doi.org/10.1016/j.solidstatesciences.2023.107203>. **Scopus, Q2, Web of Science, Q2, IF=3,4**
49. Pogodin A., Filep M., Malakhovska T., Vakulchak V., Komanicky V., Vorobiov S., Izai V., Satrapinsky L., Shender I., Bilanych V., Kokhan O., Kúš P. Microstructural, mechanical properties and electrical conductivity of Ag₇(Si_{1-x}Ge_x)S₅I-based ceramics. *Ionics* (2024). <https://doi.org/10.1007/s11581-024-05513-5>. **Scopus, Q2, Web of Science, Q3, IF=2,4**
50. Artem Pogodin, Mykhailo Filep, Tetyana Malakhovska, Vasyl Vakulchak, Vladimir Komanicky, Serhii Vorobiov, Vitalii Izai, Leonid Satrapinsky, Iryna Shender, Vitaliy Bilanych, Oleksandr Kokhan, Peter Kúš. Recrystallization and heterovalent substitution effects on mechanical and electrical parameters of Ag_{6+x}(P_{1-x}Ge_x)S₅I-based ceramics. *Journal of the European Ceramic Society*. Volume 44, Issue 6, June 2024, Pages 4097-4110. <https://doi.org/10.1016/j.jeurceramsoc.2023.12.093>. **Scopus, Q1, Web of Science, Q1, IF=5,8**
51. Malakhovska T.O., Pogodin A.I., Filep M.J., Mariychuk R., Pop M.M., Studenyak Ya.I., Vakulchak V.V., Komanicky V., Vorobiov S., Sabov M.Yu. Structure and optical characterization of chitosan-chitin/Ag nanocomposite thin films. *Semiconductor Physics, Quantum Electronics & Optoelectronics*. 2024. 27(1). 040-053. <https://doi.org/10.15407/spqeo27.01.040>. **Scopus, Q3, Web of Science, Q4, IF=1,1**
52. M.J. Filep, .K.A. Molnar, M.Yu. Sabov, A.I. Pogodin, M.M. Pop, Z.Z. Csoma, Crystal growth and optical properties anizotropy of α-NiSO₄×6H₂O. *Journal of Chemistry and Technologies*, 2024, 32(4), pp. 908–915 DOI: <https://doi.org/10.15421/jchemtech.v32i4.316209> **Scopus, Web of Science, Q4, IF=0,5**

53. I.O. Shender, A.I. Pogodin, M.J. Filep, T.O. Malakhovska, O.P. Kokhan, Microhardness of single-crystal samples of $\text{Ag}_{7+x}(\text{P}_{1-x}\text{Ge}_x)\text{S}_6$ solid solutions. *Semiconductor Physics, Quantum Electronics & Optoelectronics*, 27 (2), P. 169-175 (2024).
DOI: <https://doi.org/10.15407/spqeo27.02.169> Scopus, Q3, Web of Science, Q4, IF=1
54. Pogodin A., Filep M., Malakhovska T, Vakulchak V., Komanicky V., Vorobiov S., Izai V., Satrapinskyy L., Shender I., Bilanych V., Kokhan O., Kúš P. Microstructural, mechanical properties and electrical conductivity of $\text{Ag}_7(\text{Si}_{1-x}\text{Ge}_x)\text{S}_6$ -based ceramics. *Ionics* 30, 3339–3356 (2024). DOI: <https://doi.org/10.1007/s11581-024-05513-5> Scopus, Q2, Web of Science, Q3, IF=2,6
55. A. Pogodin, M. Filep, T. Malakhovska, V. Komanicky, S. Vorobiov, V. Bilanych, O. Kokhan, Obtaining of disordered highly ionic conductive $\text{Ag}_{7+x}(\text{P}_{1-x}\text{Si}_x)\text{S}_6$ single crystalline materials, *Materials Research Bulletin*, 2024, Volume 179, 112953.
DOI: <https://doi.org/10.1016/j.materresbull.2024.112953> Scopus, Q1, Web of Science, Q2, IF=5,7
56. T.O. Malakhovska, A.I. Pogodin, M.J. Filep, Ya.I. Studenyak, O.P. Kokhan, V.Yu. Izai, R. Mariychuk. Optical characteristics of microcrystalline powders of $\text{Ag}_{7+x}(\text{P}_{1-x}\text{Si}_x)\text{S}_6$ solid solutions. *Semiconductor Physics, Quantum Electronics & Optoelectronics*, 27 (4), P. 444-449 (2024).
DOI: <https://doi.org/10.15407/spqeo27.04.444> Scopus, Q3, Web of Science, Q4, IF=1,1
57. Kryshenik, V., Pogodin, A., Filep, M., Voynarovych, I., Pop, M., Rubish, V., Gomonnai, A. Optical properties of $\text{As}_2\text{S}_3:\text{Ag}$ glasses. *Physics and Chemistry of Solid State*, 2024. 25(4), 863–870.
DOI: <https://doi.org/10.15330/pcss.25.4.863-870> Scopus, Q3,
58. A.I. Pogodin, I.O. Shender, M.M. Pop, M.J. Filep, T.O. Malakhovska, O.P. Kokhan, V.Yu. Izai, R. Mariychuk Particularities of optical behavior of Ag_8SiS_6 single crystal. *Semiconductor Physics, Quantum Electronics & Optoelectronics*, 27 (3), P. 280-286 (2024).
DOI: <https://doi.org/10.15407/spqeo27.03.280> Scopus, Q3, Web of Science, Q4, IF=1,1
59. O. Fizer, M. Fizer, M. Filep, Ya. Studenyak, R. Mariychuk, Deciphering the structural and functional peculiarities of the classic ionophore cetylpyridinium tetraphenylborate, *Journal of Molecular Liquids*, 2025. Volume 432, 127858.
DOI: <https://doi.org/10.1016/j.molliq.2025.127858> Scopus, Web of Science, Q1, IF=5,2
60. A.I. Pogodin, M.M. Pop, I.O. Shender, M.J. Filep, T.O. Malakhovska, O.P. Kokhan, K.V. Skubenych, V. Izai, Ellipsometric study of $\text{Ag}_{6+x}(\text{P}_{1-x}\text{Si}_x)\text{S}_6$ single crystals. *Semiconductor Physics, Quantum Electronics & Optoelectronics*, 28 (2), P. 215–220 (2025).
DOI: <https://doi.org/10.15407/spqeo28.02.215> Scopus, Q3, Web of Science, Q4, IF=1,1

61. A. Pogodin, M. Filep, T. Malakhovska, Ya. Studenyak, O. Haleha, S. Vorobiov, V. Komanicky, V. Vakulchak, V. Bilanych, O. Kokhan, R. Mariychuk, Experimental and DFT characterization of argyrodite type Ag_8SiS_6 multidispersed powders and ceramics, *Solid State Sciences*, 2025, Volume 164, 07925.
DOI: <https://doi.org/10.1016/j.solidstatesciences.2025.107925> Scopus, Q2, Web of Science, Q1, IF=3,3
62. A. Pogodin, M. Filep, T. Malakhovska, V. Vakulchak, V. Komanicky, S. Vorobiov, I. Shender, V. Bilanych, O. Kokhan, R. Mariychuk, Influence of microstructural and crystal structure defects on ionic transport in $\text{Ag}_{7+x}(\text{P}_{1-x}\text{Ge}_x)\text{S}_6$ ceramics, *Journal of Solid State Chemistry*, Vol. 352, 2025, 125611.
DOI: <https://doi.org/10.1016/j.jssc.2025.125611> Scopus, Q2, Web of Science, Q1, IF=3,5
63. Y. Azhniuk, A. Pogodin, V. Izai, M. Filep, V. Lopushansky, V. Yukhymchuk, V. Kryshenik, L. Satrapinsky, I. Voynarovych, A.V. Gomonnai, Phase separation and photoinduced migration of silver in $\text{Ag}_x(\text{As}_2\text{S}_3)_{1-x}$ glasses. *Materials Research Express*, 2025 Vol. 12. 095201.
DOI: <https://doi.org/10.1088/2053-1591/ae0782> Scopus, Q2, Web of Science, Q3, IF=2,2
64. Azhniuk, Y., Pogodin, A., Lopushansky, V., Filep, M., Kryshenik, V., Voynarovych, I., Gomonnai, A. Raman Study of Visible-Light Photooxidation of As_2S_3 : Ag Glasses. *Ukrainian Journal of Physics*, 2025, 70(3), 206.
DOI: <https://doi.org/10.15407/ujpe70.3.206> Scopus, Q4
65. I.O. Shender, A.I. Pogodin, M.J. Filep, T.O. Malakhovska, O.P. Kokhan, L.M. Suslikov, V.S. Bilanych, R. Mariychuk, The effect of heterovalent $\text{P}^{+5} \leftrightarrow \text{Si}^{+4}$ substitution on the microhardness of $\text{Ag}_{7+x}(\text{P}_{1-x}\text{Si}_x)\text{S}_6$ single crystals. *Semiconductor Physics Quantum Electronics and Optoelectronics*. , 2025, 28(1), pp. 26–32
DOI: <https://doi.org/10.15407/spqeo28.01.026> Scopus, Q3, Web of Science, Q4, IF=1,1
66. A. Pogodin, M. Pop, I. Shender, M. Filep, T. Malakhovska, S. Vorobiov, V. Komanicky, V. Bilanych, O. Kokhan, R. Mariychuk, Unveiling the optical characteristics of $\text{Ag}_{7+x}(\text{P}_{1-x}\text{Si}_x)\text{S}_6$ single crystals through combined ellipsometry and UV–Vis spectroscopy. *J Mater Sci: Mater Electron* 36, 1165 (2025).
DOI: <https://doi.org/10.1007/s10854-025-15224-w> Scopus, Q2, Web of Science, Q2, IF=2,8

Hadnagy István

Гаднадь Іштван Іштванович

67. Hadnagy I., Tar K. 2019: Determination of Energy Parameters of Near Surface Wind Field in Transcarpathia. *International Journal of Renewable Energy Research*, 9 (1), 437-447. <https://doi.org/10.20508/ijrer.v9i1.8751.g7600>. Scopus Q3, Web of Science Q4, IF=10,32

68. Hadnagy I., Tar K. 2019: The approximation of wind speed distributions with theoretical distributions of meteorological stations located in different orographic conditions. *Időjárás, Quarterly Journal of the Hungarian Meteorological Service*, 123 (3), 329-349. <https://doi.org/10.28974/idojaras.2019.3.5>. **Scopus, Q4, IF=0,8**
69. Гаднадь І., Тар К., Молнар Й. 2020: Сучасний стан та перспективи розвитку вітрової енергетики у світі, Європі та в Україні, зокрема на Закарпатті [Analysis of the current state of wind power in the world, Europe and Ukraine especially in Transcarpathia]. *Український географічний журнал*, 109 (1), 59-70. <https://doi.org/10.15407/ugz2020.01.059>. **Scopus Q2.**
70. Tar K., Lázár I., Hadnagy I. 2022: Statistical method for estimating the average daily wind speed during the day. *Időjárás, Quarterly Journal of the Hungarian Meteorological Service*, 126 (4), 481-510. <https://doi.org/10.28974/idojaras.2022.4.3>. **Scopus, Q4, IF=0.8**
71. István Lázár, István Hadnagy, Boglárka Bertalan-Balázs, László Bertalan, Sándor Szegedi: Comparative examinations of wind speed and energy extrapolation methods using remotely sensed data – A case study from Hungary. *Energy Conversion and Management: X, Volume 24, October 2024, 100760*, p. 11. <https://doi.org/10.1016/j.ecmx.2024.100760>, **Scopus Q1, IF=7,1**
72. HADNAGY, I., KOLOZSVÁRI, I., HÖHN, M., & KOHUT, E. (2025). *Syringa josikaea* (Oleaceae) biotopes in the Ukrainian Carpathians: Climatic conditions and current dynamics. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 53(2), 14324. DOI: <https://doi.org/10.15835/nbha53214324> **Scopus Q2, Web of Science Q3, IF=1,3**

Kohut Erzsébet

Когут Ержебет Імріївна

73. Шевера М.В., Тимченко І.А., Зав'ялова Л.В., Васильєва Т.В., Андрик Є.Й., Когут Е.І., Целька З., Заліберова М., Маєкова Я. (2018): Професору Вірі Вікторівні Протопоповій – 85 // *Укр. Ботан. Журн.* - 2018. - 75, 2. - С. 197-199. **Scopus, Web of Science**
74. Bilyavskiy S.M., Zhuravel N.M., Protopopova V.V., Kohut E.I., Shevera M.V. (2019): In memory of a well-known pedagogue and scientist, Professor Svitlana S. Morozyuk - *Укр. Ботан. Журн.* - 2019, 76(6) - с. 563-564. **Scopus, Web of Science**
75. Білявський С.М., Журавель Н.М., Протопопова В.В., Когут Е.І., Шевера М.В. Пам'яті видатного педагога та науковця, професора Світлани Сергіївни Морозюк (14.06.1937 – 07.11.2019). *Український ботанічний журнал* 2019. 76, 6. **Scopus, Web of Science**
76. Andrea Kepics, Erzsébet Kohut, Mária Höhn, Kárpátalja védett hajtásos növényfajainak kromoszómaszám értékei – előzetes eredmények In: *Botanikai Közlemények* 111(1): 19-34. <https://doi.org/10.17716/BotKozlem.2024.111.1.19>. **Scopus, Q2**

77. Hadnagy, I., Kolozsvári, I., Höhn, M., & Kohut, E.(2025): *Syringa josikaea* (Oleaceae) biotopes in the Ukrainian Carpathians: Climatic conditions and current dynamics. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 53(2), 14324.
DOI: <https://doi.org/10.15835/nbha53214324> **Scopus Q2, Web of Science Q3, IF=1,3**

Kolozsvári István

Коложварі Степан Васильович

78. Kolozsvári I., Szabó L.J., Dévai Gy. (2015): Dragonfly assemblages in the upper parts of the River Tisza: a comparison of larval and exuvial data in three channel types. - *Acta Zoologica Academiae Scientiarum Hungaricae*, 61(2): 189–204.<https://doi.org/10.17109/AZH.61.2.189.2015>. **Scopus, Q3, Web of Science, Q4, IF=0,6**
79. Kolozsvári. I., Dévai Gy., Szabó L.J. (2015): Occurrence pattern analysis of dragonflies (Odonata) on the river Tisza between Vilok and Huszt based on exuviae. - *Applied Ecology and Environmental Research*, 13(4): 1183–1196.
http://dx.doi.org/10.15666/aeer/1304_11831196. **Scopus, Q3, Web of Science, Q4, IF=0,6**
80. Simon E., Kis O., Jakab T., Kolozsvári I., Málnás K., Harangi S., Baranyai E., Miskolczi M., Tóthmérész B., Dévai Gy. (2017): Assessment of contamination based on trace element concentrations in *Gomphus flavipes* (Odonata: Insect) larvae of the Upper Tisza Region. - *Ecotoxicology and Environmental Safety* 136: 55–61.
<https://doi.org/10.1016/j.ecoenv.2016.10.034>. **Scopus, Q1, Web of Science, Q1, IF=6,2**
81. Simon, E., Kolozsvári, I., Dévai, Gy., Illár, M., Szalay, P.É., Miskolczi, M., Tóthmérész, B. (2024): Environmentally friendly assessment of ecological quality of watercourses based on banded demoiselle, *Calopteryx splendens*. - *Entomologia Experimentalis et Applicata*, 172: 345–353. <https://doi.org/10.1111/eea.13412>. **Scopus, Q2, Web of Science, Q2, IF=1,4**
82. Hadnagy, I., Kolozsvári, I., Höhn, M., & Kohut, E.(2025): *Syringa josikaea* (Oleaceae) biotopes in the Ukrainian Carpathians: Climatic conditions and current dynamics. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 53(2), 14324.
DOI: <https://doi.org/10.15835/nbha53214324> **Scopus Q2, Web of Science Q3, IF=1,3**

Lenykó-Thegze Andrea

Ленько-Тегзе Андреа Тіборівна

83. Ivanizs, László; Monostori, István, Farkas, András; Megyeri, Mária; Mikó, Péter; Türkösi, Edina; Gaál, Eszter; Lenykó-Thegze, Andrea; Szőke-Pázsai, Kitti; Szakács, Éva; Darkó, Éva; Kiss, Tibor; Kilian, Andrzej; Molnár, István (2019): e Unlocking the genetic diversity and population structurof a wild gene source of wheat, *Aegilops*

- biuncialis Vis., and its relationship with the heading time. *Frontiers in Plant Science* 10: 1531. <https://doi.org/10.3389/fpls.2019.01531>. **Scopus, Q1, Web of Science, Q1, IF=4,1**
84. Lenykó-Thegze, A.; Fábíán, A.; Mihók, E.; Makai, D.; Cseh, A.; Sepsi, A. (2021): Pericentromeric chromatin reorganisation follows the initiation of recombination and coincides with early events of synapsis in cereals. *Plant Journal* 107,1585-1602. <https://doi.org/10.1111/tjp.15391>. **Scopus, Q1, Web of Science, Q1, IF=6,2**
85. Diána Makai, Edit Mihók, Dávid Polgári, András Cseh, Andrea Lenykó-Thegze, Adél Sepsi, László Sági (2023). Rapid in-solution preparation of somatic and meiotic plant cell nuclei for high-quality 3D immunoFISH and immunoFISH-GISH. *Plant Methods* 19 (1): 80. <https://doi.org/10.1186/s13007-023-01061-7>. **Scopus, Q1, Web of Science, Q1, IF=4,7**
86. András Cseh, Andrea Lenykó-Thegze, Diána Makai, Fanni Szabados, Kamirán Áron Hamow, Zsolt Gulyás, Tibor Kiss, Ildikó Karsai, Blanka Moncsek, Edit Mihók, Adél Sepsi (2023): Meiotic instability and irregular chromosome pairing underpin heat-induced infertility in bread wheat carrying the Rht-B1b or Rht-D1b Green Revolution genes. *New Phytologist*: 19256 , 17 p. <https://doi.org/10.1111/nph.19256>. **Scopus, Q1, Web of Science, Q1, IF=8,3**
87. Mihók, Edit ; Polgári, Dávid ; Lenykó-Thegze, Andrea ; Makai, Diána ; Fábíán, Attila ; Ali, Mohammad ; Kis, András ; Sepsi, Adél ; Sági, László, (2024): Plasticity of parental CENH3 incorporation into the centromeres in wheat × barley F1 hybrids *FRONTIERS IN PLANT SCIENCE* 15 Paper: 1324817 , 13 p. <https://doi.org/10.3389/fpls.2024.1324817>. **Scopus, Q1, Web of Science, Q1, IF=4,1**

Molnár Krisztina

Молнар Крістіна Аттілівна

88. Michael Filep, Krisztina Molnár, Marjan Sabov, Zoltán Csoma, Artem Pogodin Structural, thermal, and optical properties of Co²⁺ and Mg²⁺ doped K₂Ni(SO₄)₂·6H₂O single crystals In: *Optical Materials Volume 122, Part A*, December 2021, 111753. <http://dx.doi.org/10.1016/j.optmat.2021.111753>. **Scopus, Q1, Web of Science, Q1, IF=3,8**
- Mykhailo J. Filep, Krisztina A. Molnar, Marjan Yu. Sabov, Artem I. Pogodin, Mykhailo M. Pop, Zoltan Z. Csoma. Crystal growth and optical properties anizotropy of α-NiSO₄×6H₂O In: *Journal of Chemistry and Technologies* 2024, 32(4), 908-915 DOI: doi: 10.15421/jchemtech.v32i4.316209 . **Scopus, Q4, Web of Science, Q4, IF=0,5**

Molnár-Babilya Dzoszia

Молнар-Бабіля Джосія Імреївна

89. Nataliya Korol , Dzhosiya Molnar -Babila , Mikhailo Slivka , Mikhajlo Onysko, 2022: A brief review on heterocyclic compounds with promising antifungal activity against *Candida* species. *Org.Communications*. (2022) 15:4 304-323. <http://doi.org/10.25135/acg.oc.141.2210.2609> . **Scopus, Q3, Web of Science, Q3, IF=1,7**
90. Nataliya Korol , Dzhosiya Molnar -Babila , Mikhailo Slivka. 2025: Organic heterocyclic compounds as ionophores: recent progress in potentiometric sensing. *Org.Communications* 18:1(2025) 3-16
DOI:<http://doi.org/10.25135/acg.oc.183.2502.3444> **Scopus, Q3, Web of Science, Q3, IF=1,6**

Pólin Irén

Повлін Ірина Емерихівна

91. Knysh, I., – Popovich O.,–ZakharevychM. –Yakumenko S.,- Povlyn I., 2023: Innovative technologies drive the modernization of higher education,. *Amazonia Investiga*, 12(70), 167-178. <http://doi.org/10.34069/AI/2023.70.10.15>. **Web of Science, Q3, IF=0,5**
92. Kormosh S. M., –Simon G., –Povlin I.-Influence of Abiotic Factors on the Green Mass and Sees Productivity of the Raw Material of *Levisticum Officinale* C. Kochin the Conditions of Transcarpathia, *International Journal of Horticultural Science* 2019, 25 (1-2): 46-51. <https://doi.org/10.31421/IJHS/25/1-2/2951> **Scopus, Q2**

Protopopova Vira

Протопопова Віра Вікторівна

93. Shevera, M.V., Protopopova, V.V., Tymchenko, I.A., Ryff, L.E, 2020: Lectotypification of *Orchis purpurea* huds. × *O. punctulata* steven ex lindl. (orchidaceae), described from Crimea, and data on its distribution, *Thaiszia Journal of Botany* 30(1), pp. 23–30. <https://doi.org/10.33542/TJB2020-1-02>. **Scopus, Q4**
94. Májeková, J., Zaliberová, M., Andrik, E.J., Protopopova V.V., Shevera, M.V., Ikhardt, P, 2021: A comparison of the flora of the Chop (Ukraine) and Čierna nad Tisou (Slovakia) border railway stations, . *Biologia* 76(7), pp. 1969–1989. <https://doi.org/10.2478/s11756-020-00592-x>. **Scopus, Web of Science , Q3, IF=1,4**
95. Dubyna D.V., Iemelianova S.M., P. Dziuba T.P., Tymoshenko P.A., Protopopova V.V., Shevera M.V. 2021. Alien plant invasion in the ruderal vegetation of Ukraine. *Environmental and socio-economic studies*. 9(4): 57–70. <https://doi.org/10.2478/environ-2021-0025>. **Scopus, Q2, Web of Science , Q4, IF=0,9**

96. Protopopova V.V., Didukh, Y.P., Tkachenko, V.S., Shevera M.V., Kucher O., Zavialova, L.V., Biatov, A.P., 2021: *Grindelia squarrosa* in Ukraine: Current distribution and ecological and coenotic peculiarities, *Hacquetia* 20(2), pp. 263–272. <https://doi.org/10.2478/hacq-2021-0014>. **Scopus, Q4, Web of Science , Q4, IF=0,6**
97. Zavialova, L.V., Protopopova, V.V., Kucher, O.O., Ryff, L.E., Shevera, M.V 2021: Plant invasions in Ukraine, *Environmental and Socio-Economic Studies*, 9(4), pp. 1–13 <https://doi.org/10.2478/environ-2021-0020>. **Scopus, Q2, Web of Science , Q4, IF=0,9**

Szabó Marján

Сабов Мар'ян Юрійович

98. Pogodin A.I., Filep M.J., Malakhovska T.O., Sabov M.Yu., Sidey V.I., Kokhan O.P., Studenyak I.P. 2019: The copper argyrodites $\text{Cu}_{7-n}\text{PS}_6\text{-nBr}_n$: Crystal growth, structures and ionic conductivity / *Solid State Ionics*.– 341– 115023. <https://doi.org/10.1016/j.ssi.2019.115023>. **Scopus, Q2, Web of Science, Q2, IF=3.0**
99. Tuan V. Vu, A.A. Lavrentyev, B.V. Gabrelian, Dat D. Vo, V.I. Sabov, M.Yu. Sabov, I.E. Barchiy, M. Piasecki, O.Y. Khyzhun. 2020: Highly anisotropic layered selenophosphate $\text{AgSbP}_2\text{Se}_6$: The electronic structure and optical properties by experimental measurements and first-principles calculations. / *Chemical Physics*. – Volume 536.– 110813. <https://doi.org/10.1016/j.chemphys.2020.110813>. . **Scopus, Q2, Web of Science, Q3, IF=2**
100. Ihor Barchiy, Marian Sabov, Volodymyr Pavlyuk, Andriy Stetskiv, Bernard Marciniak, Ewa Różycka-Sokołowska and Victoria Sabov. 2020: New quaternary selenides $\text{Ti}_4\text{Sb}_8\text{Sn}_5\text{Se}_{24}$ and $\text{Ti}_5\text{Sb}_2\text{Sn}_4\text{Se}_{14-x}$ ($x=0.5$). // *Z. Kristallogr.*– 235(3).– P. 59-68. <https://doi.org/10.1515/zkri-2020-0004>. **Scopus, Q3, Web of Science, Q3, IF=0,9**
101. Tuan V.Vu., A.A.Lavrentyev, V.I.Sabov, M.Y.Sabov, A.I.Pogodin, I.E.Barchiy, A.O.Fedorchuk, A.Balinska, Z.Bak, O.Y.Khyzhun, M.Piasecki 2020: $\text{TiSbP}_2\text{Se}_6$ - a new layered single crystal: growth, structure and electronic properties. / *Journal of Alloys and Compounds*. –Volume 848.–156485. <https://doi.org/10.1016/j.jallcom.2020.156485>. **Scopus, Q1, WoS, Q1, IF=5,8**
102. Pogodin A., Luchynets M., Filep M., Kohutych A., Malakhovska T., Kokhan O., Sabov M., Studenyak I., Kúš, P. 2021: Electrical conductivity and thermoelectrical parameters of argyrodite-type $\text{Cu}_{7-x}\text{PS}_6\text{-xIx}$ mixed crystals / *Ukrainian Journal of Physics*-66(2)- 159-165. <https://doi.org/10.15407/ujpe66.2.159>. **Scopus, Q3, WoS, Q4, IF=0,6**
103. Studenyak I.P., Pogodin A.I., Luchynets M.M., Filep M.Y., Kohutych A.A., Malakhovska T.O., Kokhan O.P., Sabov M.Y., Kúš P. 2021: Influence of heterovalent substitution on structural, electrical and thermoelectric properties of $\text{Cu}_{7-x}\text{PS}_6\text{-xBr}_x$ solid solutions / *Journal of Physics and Chemistry of Solids*-150-109855. <https://doi.org/10.1016/j.jpcs.2020.109855>. **Scopus, Q2, Web of Science, Q2, IF=4,3**

104. Filep M., Molnár K., Sabov M., Csoma Z., Pogodin A. 2021: Structural, thermal, and optical properties of Co²⁺ and Mg²⁺ doped K₂Ni(SO₄)₂•6H₂O single crystals/Optical Materials-122(A)-111753
<https://doi.org/10.1016/j.optmat.2021.111753>. **Scopus, Q1, Web of Science, Q1, IF=3,8**
105. Vu T.V., Khyzhun O.Y., Lavrentyev A.A., Gabrelian B.V., Sabov V.I., Sabov M.Y., Filep M.Y., Pogodin A.I. 2022: Highly anisotropic layered crystal AgBiP₂Se₆: Growth, electronic band-structure and optical properties / Materials Chemistry and Physics-277-125556. <https://doi.org/10.1016/j.matchemphys.2021.125556>. **Scopus, Q1, Web of Science, Q2, IF=4,3**
106. Vu T.V., Khyzhun O.Y., Lavrentyev A.A., Gabrelian B.V., Sabov V.I., Sabov M.Y., Filep M.Y., Pogodin A.I., Barchiy I.E. Highly anisotropic layered crystal AgBiP₂Se₆: Growth, electronic band-structure and optical properties // Materials Chemistry and Physics. – 2022. – Vol. 277, No 125556. DOI: <https://doi.org/10.1016/j.matchemphys.2021.125556> **Scopus, Q1, Web of Science, Q2, IF=4,7**
Mykhailo J. Filep, Krisztina A. Molnar, Marjan Yu. Sabov, Artem I. Pogodin, Mykhailo M. Pop, Zoltan Z. Csoma Crystal Growth and Optical Properties Anizotropy of α-NiSO₄×6H₂O. Journal of Chemistry and Technologies, 2024, 32(4), 908-915.
DOI: [10.15421/jchemtech.v32i4.316209](https://doi.org/10.15421/jchemtech.v32i4.316209) **Scopus, Q4, Web of Science, Q4, IF=0,5**
107. Malakhovska T.O., Pogodin A.I., Filep M.J., Mariychuk R., Pop M.M., Studenyak Ya.I., Vakulchak V.V., Komanicky V., Vorobiov S., Sabov M.Yu. Structure and optical characterization of chitosan-chitin/Ag nanocomposite thin films. Semiconductor Physics, Quantum Electronics & Optoelectronics. 2024. Vol. 27 (1). P. 040-053.
DOI: <https://doi.org/10.15407/spqeo27.01.040> **Scopus, Q3, Web of Science, Q4, IF=1,1**

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108. Lukash, O., Tkaczenko, H., Szikura, A., Karpenko, Y., Yakovenko, O., Sahach, O., Kyriienko, S., Sliuta, A., Papernyk, V., Pototska, S., & Kurhaluk, N. (2024). Accumulation Radiocesium (137Cs) By Plants of the Dnipro River's Floodplain Ecosystems after Chernobyl Contamination. Global Journal of Ecology, 9(2), 117– 121. <https://doi.org/10.17352/gje.000104>.
109. O.Lukash, O.Yakovenko, I. Miroshnyk, H. Tkaczenko, A. Szikura, S. Strilets, N. Kurhaluk (2025) Assessment of radioisotope concentrations of 137Cs and 90Sr in the herbaceous phytocenoses plants of the Dnieper river floodplain ecosystems (northern Ukraine) Journal of Hazardous Materials Volume 494, 15 August 2025, 138406
DOI: <https://doi.org/10.1016/j.jhazmat.2025.138406> **Scopus, Q1, Web of Science, Q1, IF=11,3**

110. Anna (Ganna) P. Megalinska, Zhanna I. Bilyk, Olha V. Panchuk, Valentyna G. Bilyk, Ihor St. Chernetskiy, Anita Yo. Szikura. Using herbal remedies in shelter (2025); Wiadomości Lekarskie Medical Advances. 2025;(5):1071-1077
DOI:<https://doi.org/10.36740/WLek/205372> Scopus, Q4