

CURRICULUM VITAE

Nume și prenume: Meltzer Viorica

Titluri științifice: doctor. profesor, conducere doctorat

Domenii de competență:

Termodinamica fenomenologică și statistică;

Termodinamica proceselor ireversibile – reacții neizoterme;

Energetică chimică, implicații energetice în evoluția unor procese fizice, chimice și biochimice fundamentale;

Echilibre de fază

Analiză termică și calorimetrie dinamică diferențială

Analiza fizico – chimică a sistemelor mono și multicomponente

Organizații profesional – științifice

Membru Societatea de Chimie din România

Comisia de Calorimetrie și Analiză Termică a Academiei Române

Articole reprezentative publicate în ultimii ani

1. Physico-chemical study of nitrazepam and citric acid eutectic mixture, Cristina Macasoï , Elena Pincu, Bogdan Jurca, Cosmin Romanitan, Viorica Meltzer*, Thermochemica Acta, 724, 179499, 2023, IF(2023) 3.5
2. Compatibility of Drotaverine Hydrochloride with Ibuprofen and Ketoprofen Nonsteroidal Anti-Inflammatory Drugs Mixtures, Andreia-Cristina Soare, Viorica Meltzer, Claudiu Colbea, Ioana Stanculescu, Elena Pincu, Materials, 15 (3), 1244, 2022, IF (2021) 3.748
3. Water-Soluble Starch-Based Copolymers Synthesized by Electron Beam Irradiation: Physicochemical and Functional Characterization, Monica Nemtanu, Mirela Brasoveanu, Elena Pincu, Viorica Meltzer, Materials, 15 (3), 1061, 2022, IF (2021) 3.748
4. Physico – chemical characteriyation of solidstate reaction between terephtalaldehyde and - aminophenol, **Viorica Meltzer**, Petruța Oancea, Elena Pincu, Revue roumaine de Chimie, 66(3), 273-280, 2021
5. Increasing the bromazepam solubility forming eutectic mixture with citric acid, Cristina Macasoï, Elena Pincu, Bogdan Jurca, **Viorica Meltzer***, Thermochemica Acta, 702, 178954, 2021

6. Thermal behavior of the nimesulide – salicylic acid eutectic mixtures prepared by mechanosynthesis and recrystallization, Mona Georgescu, **Viorica Meltzer**, Ioana Stănculescu, Elena Pincu, *Materials*, 14(24), 7715, 2021
7. Highly elastic superabsorbent collagen/PVP/PAA/PEO hydrogels crosslinked via e-beam radiation, Maria Demeter, **Viorica Meltzer**, Ion Călina, Anca Scărișoreanu, Marin Micutz, Mădălina Georgiana Albu Kaya, September 2020, 108898, 10.1016/j.radphyschem.2020.108898 (IF 1,758)
8. Excess molar volumes and partial molar volumes for binary mixtures propanoic acid with 1-propanol, 2-propanol, 1-butanol and 1-pentanol, Mona Georgescu, **Viorica Meltzer**, Elena Pincu, *Revue Roumaine de Chimie*, 65(3), 271 – 277, 2020. (IF 0,395)
9. A study on pellets as an alternative source of energy for fossil fuel using adiabatic combustion calorimetry, Ioana Moise, **Viorica Meltzer**, Elena Pincu, *Revue Roumaine de Chimie*, 65(2), 211– 217, 2020. (IF0,395)
10. Thermodynamic study of the retention of aromatic hydrocarbons on phenylsilicagel based stationary phase under reversed – phase liquid chromatographic mechanism, Andreia – Cristina Soare, **Viorica Meltzer**, Mihaela Cheregi and Victor David, *Revue Roumaine de Chimie*, 64 (12), 1083 – 1089, 2019. (IF0,395)
11. E-Beam Processing of Collagen-Poly(N-vinyl-2-pyrrolidone) Double-Network Superabsorbent Hydrogels: Structural and Rheological Investigations, Demeter Maria; Calina Ion; Vancea Catalin, Sen Murat; Kaya Mădălina Georgiana Albu; Mănăila Elena; Dumitru Marius; **Meltzer Viorica***, *Macromolecular Research* Volume: 27 Issue: 3 Pages: 255-267 , 2019, (IF1,758)
12. Consolidation of very degraded cultural heritage wood artefacts using radiation curing of polyester resins, Moise Valentin; Stănculescu Ioana; Vasilca Silvana; Cutrubinis Mihalis; Pincu Elena; Oancea Petruta ; Raducan Adina; **Meltzer, Viorica***, *Radiation Physics and Chemistry* Volume: 156 Pages: 314-319, 2019, (IF1,984)
13. The crosslinking behaviour of cellulose in gamma irradiated paper, Moise Ioan Valentin; Manea Mihaela Maria; Vasilca Silvana; Pintilie Cosmin; Virgolici Marian; Cutrubinis Mihalis; Stănculescu Ioana Rodica **Meltzer Viorica***, *Polymer Degradation and Stability* Volume: 160 Pages: 53-59 , 2019. (IF3,78)

14. Physico-chemical study of norfloxacin and metronidazole binary mixtures, Daniela-Crina Salceanu, Elena Pincu, Giovanna Bruni, Amedeo Marini, **Viorica Meltzer***, J. Therm. Anal. Calorim., 2018 (IF2,471).
15. E-beam radiation synthesis of xanthan-gum/carboxymethylcellulose superabsorbent hydrogels with incorporated graphene oxide Ion Calina, Maria Demeter, Catalin Vancea, Anca Scarisoreanu and **Viorica Meltzer**, Journal of macromolecular science, part a: pure and applied chemistry, 55 (3), 260-268, 2018, (IF1,163)

Data

20.11.2023

Semnătura

