

CURRICULUM VITAE

Nume și prenume: Meltzer Viorica

Email: viomel@gw-chimie.math.unibuc.ro

Locul și data nașterii: Câmpina, Prahova, 14.06.1950

Titluri științifice: doctor

Poziția actuală: 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

Cursuri ținute:

Termodinamică chimică

Termodinamica proceselor ireversibile

Termodinamica soluțiilor

Energetică chimică

Combustie și poluare

Chimia fizică a cristalelor lichide

Organizații profesional – științifice

Membru Societatea de Chimie din România

Comisia de Calorimetrie și Analiză Termică a Academiei Române

Articole reprezentative

1. 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, Madalina Georgiana Albu; (Manaila, Elena; Dumitru, Marius; Meltzer Viorica*, Macromolecular Research Volume: 27 Issue: 3 Pages: 255-267 , 2019, IF(2018), 1,758

2. Consolidation of very degraded cultural heritage wood artefacts using radiation curing of polyester resins, Moise, Valentin; Stanculescu, Ioana; Vasilca, Silvana; Cutrubinis, Mihalis; Pincu, Elena; Oancea, Petruta ; Raducan, Adina; Meltzer, Viorica^{*}, Radiation Physics and Chemistry Volume: 156 Pages: 314-319, 2019, IF(2018), 1,984
3. The crosslinking behaviour of cellulose in gamma irradiated paper, Moise, Ioan Valentin; Manea, Mihaela Maria; Vasilca, Silvana; Pintilie, Cosmin; Virgolici, Marian; Cutrubinis, Mihalis; Stanculescu, Ioana Rodica; Meltzer, Viorica^{*}, Polymer Degradation and Stability Volume: 160 Pages: 53-59 , 2019, IF(2018), 3,78
4. 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 <https://doi.org/10.1007/s10973-017-6919-7>, IF(2018), 2,471
5. E-beam radiation synthesis of xanthan-gum/carboxymethylcellulose superabsorbent hydrogels with incorporated graphene oxide Ion Calina, Maria Demeter, Catalin Vanceaa, Anca Scarisoreanua and **Viorica Meltzer**, Journal of macromolecular science, part a: pure and applied chemistry, 55 (3), 260-268, 2018, IF(2018) 1,163
6. Network structure studies on γ -irradiated Collagen-PVP superabsorbent hydrogels, Maria Demeter; Marian Virgolici; Catalin Vancea; Anca Scarisoreanu; Madalina Georgiana Albu ; **Viorica Meltzer**^{*}, Radiation Physics and Chemistry, 131, 51-59, 2017, IF(2015 - 2016) 1,43
7. Characterization and comparison of the solid state inclusion compounds of $\alpha - \beta$ - cyclodextrins and its 2-hydroxypropyl derivatives with uracil and 5-fluorouracil Andreea Dana Neacsu, Elena Pincu, Gabriel Munteanu, Cornel Munteanu, **Viorica Meltzer**, Rev de Chimie, 68, 12, 2756 – 2760, 2017, IF,1,605
8. New polymeric composites for heat transfer, Edina Rusen, Toma Doina, Alexandra Mocanu, **Viorica Meltzer**, Elena Pincu, Alina Popescu, Laura Chirila, Ioan Calinescu, Aurel Diacon, Colloid and Polymer Science, 293, 2593–2598, 2015 IF(2014) 1,865

9. Dielectric properties of multiwall carbon nanotube-epoxy composites, :Palade, S.; Pantazi, A.; Berbecaru, C.; Vajaiac, E.; Stefan, A.; Matei, A.; **Meltzer, V.**; Pincu, E.; Dragoman, D., Journal of Optoelectronics and Advanced Materials, 17 (9-10), 1325-1332, 2015 IF(2014) 0,429
10. Mechanical properties of multiwall carbon nanotube-epoxy composites, Vajaiac, E., Palade, S., Pantazi, A., Stefan, A., Pelin, G., Baran, D., Ban, C., Purica, M., **Meltzer, V.**, Pincu, E., Berbecaru, C., Dragoman, D., Digest Journal of Nanomaterials and Biostructures, 10(2), 359-369, 2015 IF(2014) 0,945
11. Solid-state study of Captopril and Metoprolol Tartrate binary system, Daniela-Crina Marinescu, Elena Pincu, Petruta Oancea, Giovanna Bruni, Amadeo Marini, **Viorica Meltzer***, Journal of Thermal Analysis and Calorimetry, 120(1), 829-837, 2015 IF(2018) 2,471
12. Thermogravimetric and calorimetric study of cellulose paper at low doses of gamma irradiation, Ioan Valentin Moise, Ioana Stanculescu, **Viorica Meltzer***, Journal of Thermal Analysis and Calorimetry, 115 (2), 1417-1425, 2014 (I.F:2,042).
13. Thermodynamic study of binary system Propafenone Hydrochloride with Metoprolol Tartrate: Solid–liquid equilibrium and compatibility with α -lactose monohydrate and corn starch, Daniela- Crina Marinescu, Elena Pincu, **Viorica Meltzer***, International Journal of Pharmaceutics, 448, 366 – 372, 2013 IF (2012) 3.458
14. Thermal and spectral characterization of a binary mixture (acyclovir and fluocinolone acetone): Eutectic reaction and inclusion complexes with β -cyclodextrin, Daniela-Crina Marinescu, Elena Pincu, Ioana Stanculescu, **Viorica Meltzer***, Thermochemica Acta, 560, 104–111, 2013; IF (2012) 1.989
15. Thermodynamic study of binary mixture of citric acid and tartaric acid, **Viorica Meltzer***, Elena Pincu, Central European Journal of Chemistry 10(5) 2012, 1584-1589, (I.F:1,167).

- 16.** Spectroscopic and thermodynamic studies of 7-diethylamino-coumarin-3-carboxylic acid in interaction with β - and 2-hydroxypropyl- β -cyclodextrins, Cristina Tablet, Iulia Matei, Elena Pincu, **Viorica Meltzer**, Mihaela Hillebrand, *Journal of Molecular Liquids*, 168, 2012, 47–53, (I.F:1,684).
- 17.** Thermal analysis of binary liquid crystals eutectic system cholesteril *p*-phenoxi phenyl carbamate–cholesteril *p*-biphenyl carbamate, Daniela-Crina Marinescu, Elena Pincu, **Viorica Meltzer**^{*}, *Journal of Thermal Analysis and Calorimetry*, 110, 2012, 985-990, (I.F:1,982).
- 18.** Thermodynamic study of solvent-free reaction between 17-methyltestosterone and *o*-aminophenol, **Viorica Meltzer**, Elena Pincu, *Journal of Chemical Thermodynamics*, 43, 1011–1016, 2011, (I.F:2,422).
- 19.** A DSC study for binary mixture of 2-chlorobenzoic acid with salicylic acid, **Viorica Meltzer** and Elena Pincu, *Revue Roumaine de Chimie*, 54(5), 333-338, 2009, (I.F:0,263).

Data

27.11.2019

Semnătura,

