

## **Lista articolelor publicate**

- [1]. Vlase G, Bolcu C, Modra D, Budiul MM, Ledeti I, Albu P, Vlase T, Thermal behavior of phthalic anhydride-based polyesters, *J Therm Anal Calorim.* 2016; 126:287-292, doi: 10.1007/s10973-016- 5509-4.
- [2]. Vlase G, Budiul M, Vlase T, Albu P, Ledeti A.Thermally induced interactions between adamantan-2-one and some pharmaceutical excipients. *J. Therm. Anal. Calorim.* 2018; 131(1):201-213.
- [3]. Budiul M, Albu P, Vlase G, Turcuş V, Vlase T. Thermogravimetric and calorimetric studies performed on memantine hydrochloride to determine its thermal behavior and possible drug-excipient interactions. *J. Therm. Anal. Calorim.* 2017; 127:555-564.
- [4]. Mateescu M, Budiul M, Albu P, Vlase G, Vlase T. Thermal behavior and kinetic study of degradation for adamantan-2-one versus memantine hydrochloride. (2017) *J. Therm. Anal. Calorim.* 2017; 130 (1):391-396.
- [5]. Vlase G, Budiul M, Pătruțescu C, Albu P, Vlase T. An extensive compatibility study of mycophenolate mofetil with different excipients by spectroscopic and thermoanalytical investigation techniques.*J. Therm. Anal. Calorim.* 2018; 131(1):225-236.
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- [9]. D. Vlase, G. Vlase, G. Ursut, P. Sfirloaga, F. Manea, M. Budiul, A. Rotaru, Titus Vlase. The indepth study of Romanian prehistoric ceramics: Late Neolithic/Eneolithic pottery and clay materials from the Foeni Tell-Orthodox cemetery in Timis ,county. *Ceramics International.* 2022; <https://doi.org/10.1016/j.ceramint.2022.12.120>.

- [10]. M. Mateescu, G. Vlase, M. M. Budiul, B.D. Cernușă, T. Vlase. Preliminary study for preparation and characterization of medicated jelly based on Ibuprofen or Ambroxol. *Journal of Thermal Analysis and Calorimetry*. 2023; <https://doi.org/10.1007/s10973-023-12052-0>.
- [11]. M.M Budiul, M. Mateescu, G. Vlase, T. Vlase, S. Bocănci, I.A. Bradu. Thermoanalytical and spectroscopic studies on medicated jellies with perphenazine. *Journal of the Serbian Chemical Society*. 2023; <https://doi.org/10.2298/JSC230402077B>.
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#### **Titlul tezei de doctorat:**

„Studiul comportării termice a unor materiale și substanțe biologic active”,  
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#### **CONGRESE ȘI CONFERINȚE INTERNAȚIONALE**

- [1]. Paul Albu, Mihaela Budiul, Gabriela Vlase, Titus Vlase, Thermogravimetric studies performed on memantine hydrochloride to determine its thermal behaviour and the kinetic

parameters of the degradation process, 3<sup>rd</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC3), 25-28 August 2015, Ljubljana, Slovenia, Poster Presentation 73, Book of abstract pg. 239;

[2]. Ionel Ciucanu, Mihaela Maria Budiul, Titus Vlase, Determination of simvastatin thermal degradation products by chromatography-mass spectrometry methods ,12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference, 6 - 10 Septemberie 2015, Zakopane, Polonia, Flash presentation, Book of abstracts pg. 414;

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[4]. Mihaela Maria Budiul, Iuliana Lacrămiorara Axinte, Gabriela Vlase, Titus Vlase, Paul Albu, Evaluation of the effect of functional groups on the thermal stability of adamantine derivatives. Case study: adamantan-2- one and memantine hydrochloride, 25 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, 15 aprilie 2015, Bucureşti, România, Poster Presentation 28, Book of abstract pg. 70;

[5]. Paul Albu, Mihaela Maria Budiul, Gabriela Vlase, Titus Vlase, Compatibility studies of Mycophenolate mofetil in binary mixtures with different excipients, 25 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, 15 aprilie 2016, Bucureşti, România, Poster Presentation 34, Book of abstract pg. 76;

[6]. Mihaela Budiul, Gabriela Vlase, Paul Albu, Adriana Ledeți, Ionuț Ledeți, Titus Vlase, Comparative thermal behavior and kinetic study of degradation for adamantan-2-one vs. memantine hydrochloride, AICAT-GICAT, 25 - 28 Septembrie 2016, 2016, Ischia (NA), Italia, Poster Presentation 45, Book of abstract pg. 90;

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- [10]. Mihaela Budiul, Gabriela Vlase, Ionela-Amalia Bradu, Alexandru Pahomi, Titus Vlase, Thermal behavior of polymer-based systems containing antibiotic and anesthetic with medical use, 16<sup>th</sup> Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2023) 19-21 Iulie 2023, Porto, Portugalia. P. C3, Book of abstracts p.84.
- [11]. Gabriela Vlase, Daniel Negru, Amalia Bradu, Alexandra Tășală, Alexandru Pahomi, Dorinel Okolișan, Titus Vlase, Mihaela Maria Budiul, Paula Sfirloagă, Anamaria Maticescu, Composites with antibiotics, bisphosphonate and hydroxyapatite for dental applications, 31st Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR31), 20-22 Octombrie 2022, Reșița, România, Poster Presentation 12.