Lista lucrǎri

Prof.dr.ing. Titus Vlase, Dr. Habil.

 i)

1. Teză de Doctorat cu titlu: „Studiul fizico-chimic al formării şi descompunerii termice a unor precursori”, Universitatea de Vest din Timisoara, Facultatea de Chimie, Biologie, Geografie, Şcoala doctorala CHIMIE, Coordonator: Prof. Dr. Ing. Chiriac Adrian - **Doctor in Chimie** (teza susţinută public in 30.06.2003, Diploma Seria C, Nr. 0005764 din 2003)
2. Teza de abilitare în CHIMIE susţinută în **15 iulie 2014** la UVT cu titlul: ”Contribuţii la studiul comportării termice a sistemelor eterogene în condiţii izoterme şi neizoterme”, Titlul de Dr. Habil prin: Ordin Ministrului Educaţiei Naţionale 623/6.11.2014
3. Articole

# Articole ISI

* 1. Vlase, T., Jurca, G., Doca, N. Support effect in the thermal decomposition of some catalyst precursors (1999) Journal of Thermal Analysis and Calorimetry, 56 (1), pp. 331-336.
	2. Vlase, T., Jurca, G., Doca, N. The effect of the support by the thermal decomposition of some catalyst precursors (2001) Thermochimica Acta, 379 (1-2), pp. 59-63. DOI: 10.1016/S0040-6031(01)00602-5
	3. Vlase, T., Jurca, G., Doca, N. Non-isothermal kinetics by decomposition of some catalyst precursors (2001) Thermochimica Acta, 379 (1-2), pp. 65-69. DOI: 10.1016/S0040-6031(01)00603-7
	4. Vlase, T., Jurca, G., Doca, N. Some criteria for deciding upon the support effect (2002) Journal of Thermal Analysis and Calorimetry, 67 (3), pp. 597-603. DOI: 10.1023/A
	5. Vlase, T., Vlase, G., Doca, M., Doca, N. Specificity of decomposition of solids in non-isothermal conditions (2003) Journal of Thermal Analysis and Calorimetry, 72 (2), pp. 597-604. DOI: 10.1023/A
	6. Vlase, T., Vlase, G., Chiriac, A., Doca, N. Decomposition of organic salts of some d and f metals: Non- isothermal kinetics and FT-IR studies (2003) Journal of Thermal Analysis and Calorimetry, 72 (3), pp. 839-845. DOI: 10.1023/A
	7. Vlase, T., Vlase, G., Chiriac, A., Doca, N. The influence of concentration and anion nature on the support effect (2003) Journal of Thermal Analysis and Calorimetry, 72 (3), pp. 847-853. DOI: 10.1023/A
	8. Doca, N., Vlase, T., Vlase, G. Compensation effect in solid state reactions, a consequence of selective activation at the vibrational level (2003) Revue Roumaine de Chimie, 48 (12), pp. 955-959.
	9. Vlase, T., Vlase, G., Chiriac, A., Doca, N. About compensation effect by thermal decomposition of some catalyst precursors (2005) Journal of Thermal Analysis and Calorimetry, 80 (1), pp. 87-90. DOI: 10.1007/s10973-005-0618-5
	10. Vlase, T., Vlase, G., Doca, N. Kinetics of thermal decomposition of alkaline phosphates (2005) Journal of Thermal Analysis and Calorimetry, 80 (1), pp. 207-210. DOI: 10.1007/s10973-005-0637-2
	11. Vlase, T., Vlase, G., Doca, N., Bolcu, C. Processing of non-isothermal TG data: Comparative kinetic analysis with NPK method (2005) Journal of Thermal Analysis and Calorimetry, 80 (1), pp. 59-64. DOI: 10.1007/s10973-005-0613-x
	12. Vlase, T., Vlase, G., Doca, N. Thermal stability of food additives of glutamate and benzoate type (2005) Journal of Thermal Analysis and Calorimetry, 80 (2), pp. 425-428. DOI: 10.1007/s10973-005-0671-0
	13. Ioiţescu, A., Vlase, G., Vlase, T., Doca, N. Kinetics of decomposition of different acid calcium phosphates(2007) Journal of Thermal Analysis and Calorimetry, 88 (1), pp. 121-125. DOI: 10.1007/s10973- 006-8022-3
	14. Vlase, T., Vlase, G., Modra, D., Doca, N. Thermal behaviour of some industrial and food dyes (2007) Journal of Thermal Analysis and Calorimetry, 88 (2), pp. 389-393. DOI: 10.1007/s10973-006-8013-4
	15. Jurconi, B., Feher, L., Doca, N., Vlase, T., Lazǎr, C., Ţibru, I., Ştefǎnescu, M. Evaluation of oily soil biodegradability by means of thermoanalytical methods (2007) Journal of Thermal Analysis and Calorimetry, 88 (2), pp. 373-375. DOI: 10.1007/s10973-006-8014-3
	16. Vlase, T., Vlase, G., Birta, N., Doca, N. Comparative results of kinetic data obtained with different methods for complex decomposition steps (2007) Journal of Thermal Analysis and Calorimetry, 88 (3), pp. 631-635. DOI: 10.1007/s10973-006-8019-y
	17. Vlase, T., Pǎcurariu, C., Lazǎu, R.I., Lazǎn, I. Kinetic studies of the crystallization process of glass- ceramics based on basalt (2007) Journal of Thermal Analysis and Calorimetry, 88 (3), pp. 625-629. DOI: 10.1007/s10973-006-8016-1
	18. Vlase, G., Vlase, T., Tudose, R., Costişor, O., Doca, N. Kinetic of decomposition of some complexes under non-isothermal conditions (2007) Journal of Thermal Analysis and Calorimetry, 88 (3), pp. 637-640.

DOI: 10.1007/s10973-006-8020-5

* 1. Feher, L., Jurconi, B., Vlase, G., Vlase, T., Doca, N. Decomposition kinetic of a synthetic oil adsorbed on different silico-alumina (2007) Journal of Thermal Analysis and Calorimetry, 88 (3), pp. 621-624. DOI: 10.1007/s10973-006-8015-2
	2. Vlase, G., Vlase, T., Doca, N. Thermal behavior of some phenitoine pharmaceuticals. (2008) Journal of Thermal Analysis and Calorimetry, 92 (1), pp. 259-262. DOI: 10.1007/s10973-007-8727-y
	3. Vlase, T., Doca, N., Vlase, G., Bolcu, C., Borcan, F. Kinetics of non-isothermal decomposition of three IRGANOX-type antioxidants (2008) Journal of Thermal Analysis and Calorimetry, 92 (1), pp. 15-18. DOI: 10.1007/s10973-007-8726-z
	4. Pop, N., Vlase, G., Vlase, T., Doca, N., Mogoş, A., Ioiţescu, A. Compensation effect as a consequence of vibrational energy transfer in homogeneous and isotropic heat field. (2008) Journal of Thermal Analysis and Calorimetry, 92 (1), pp. 313-317. DOI: 10.1007/s10973-007-8723-2
	5. Vlase, T., Muntean, C. Kinetics of thermal decomposition of some nitrophosphate fertilizers with micronutrients in isothermal conditions. (2008) Journal of Thermal Analysis and Calorimetry, 92 (2), pp. 559-

562. DOI: 10.1007/s10973-007-7936-8

* 1. Birta, N., Doca, N., Vlase, G., Vlase, T. Kinetic of sorbitol decomposition under non-isothermal conditions (2008) Journal of Thermal Analysis and Calorimetry, 92 (2), pp. 635-638. DOI: 10.1007/s10973- 007-7938-6
	2. Doca, N., Vlase, G., Vlase, T., Ilia, G. Thermal behavior of Cd2+ and Co2+ phenyl-vinyl-phosphonates under non-isothermal condition. (2008) Journal of Thermal Analysis and Calorimetry, 94 (2), pp. 441-445. DOI: 10.1007/s10973-008-9347-x
	3. Tiţa, B., Marian, E., Tiţa, D., Vlase, G., Doca, N., Vlase, T. Comparative kinetic study of decomposition of some diazepine derivatives under isothermal and non-isothermal conditions (2008) Journal of Thermal Analysis and Calorimetry, 94 (2), pp. 447-452. DOI: 10.1007/s10973-008-9146-4
	4. Ioiţescu, A., Vlase, G., Vlase, T., Ilia, G., Doca, N. Synthesis and characterization of hydroxyapatite obtained from different organic precursors by sol-gel method (2009) Journal of Thermal Analysis and Calorimetry, 96 (3), pp. 937-942. DOI: 10.1007/s10973-009-0044-1
	5. Ştefǎnescu, O., Stoia, M., Ştefǎnescu, M., Vlase, T. Study on the influence of teos-diol molar ratio on their chemical interaction during the gelation process. (2009) Journal of Thermal Analysis and Calorimetry, 97 (1), pp. 251-256. DOI: 10.1007/s10973-009-0247-5
	6. Pop, N., Vlase, G., Vlase, T., Doca, N. Study on the mechanism of the selective activation of solids in a homogeneous and isotropic thermal field. (2009) Journal of Thermal Analysis and Calorimetry, 97 (2), pp. 667- 671. DOI: 10.1007/s10973-008-9671-1
	7. Pǎcurariu, C., Lazǎu, R.I., Lazǎu, I., Ianoş, R., Vlase, T.. Influence of the specific surface area on crystallization process kinetics of some silica gels. (2009) Journal of Thermal Analysis and Calorimetry, 97 (2),

pp. 409-414. DOI: 10.1007/s10973-008-9680-0

* 1. Vlase, T., Vlase, G., Doca, N., Ilia, G., Fulias, A. Coupled thermogravimetric-IR techniques and kinetic analysis by non-isothermal decomposition of Cd2+ and Co2+ vinyl-phosphonates. (2009) Journal of Thermal Analysis and Calorimetry, 97 (2), pp. 467-472. DOI: 10.1007/s10973-009-0219-9
	2. Vlase, G., Vlase, T., Doca, N., Perţa, M., Ilia, G., Plesu, N. Thermal behavior of a sol-gel system containing aniline and organic phosphonates. (2009) Journal of Thermal Analysis and Calorimetry, 97 (2), pp. 473-478. DOI: 10.1007/s10973-009-0216-z
	3. Doca, N., Vlase, G., Vlase, T., Perţa, M., Ilia, G., Plesu, N. TG, EGA and kinetic study by non- isothermal decomposition of a polyaniline with different dispersion degree. (2009) Journal of Thermal Analysis and Calorimetry, 97 (2), pp. 479-484. DOI: 10.1007/s10973-009-0217-y
	4. Vlase, G., Vlase, T., Doca, N., Ilia, G. Estimation of flame retardancy effect by thermal analysis using kinetic parameters obtained under non-isothermal conditions in air. (2009) Chinese Journal of Chemistry, 27 (10), pp. 1919-1924. DOI: 10.1002/cjoc.200990322
	5. Fuliaş, A., Vlase, T., Vlase, G., Doca, N. Thermal behaviour of cephalexin in different mixtures (2010) Journal of Thermal Analysis and Calorimetry, 99 (3), pp. 987-992. DOI: 10.1007/s10973-010-0708-x
	6. Vlase, T., Bolcu, C., Vlase, G., Mogoş, A., Doca, N. Thermooxidative stabilization of a MDI: Polyol polyisocyanate, (2010) Journal of Thermal Analysis and Calorimetry, 99 (3), pp. 973-979. DOI: 10.1007/s10973-009-0536-z
	7. Ilia, G., Drehe, M., Vlase, T., Vlase, G., Macarie, L., Doca, N. Thermal behavior of titania grafted with phosphonic acids under non-isothermal conditions. (2010) Journal of Thermal Analysis and Calorimetry, 100 (3), pp. 917-923. DOI: 10.1007/s10973-009-0381-0
	8. Fuliaş, A., Vlase, G., Vlase, T., Tiŗa, B., Tiţa, D., Doca, N. Thermal study of cefoperazone

monohydrate

(2010) Revue Roumaine de Chimie, 55 (8), pp. 481-486

* 1. Vlase, T., Vlase, G., Doca, N., Iliescu, S., Ilia, G. Thermo-oxidative degradation of polymers containing phosphorus in the main chain. (2010) High Performance Polymers, 22 (7), pp. 863-875. times. DOI: 10.1177/0954008310364423
	2. Tiţa, D., Fuliaş, A., Tiţa, B., Vlase, G., Vlase, T., Doca, N. Thermal behaviour of active compounds versus pharmaceutical compounds for some benzodiazepines. (2010) Revue Roumaine de Chimie, 55 (11-12),

pp. 1047-1052.

* 1. Fulias, A., Vlase, T., Vlase, G., Szabadai, Z., Rusu, G., Bandur, G., Tita, D., Doca, N. Thermoanalytical study of cefadroxil and its mixtures with different excipients (2010) Revista de Chimie, 61 (12), pp. 1202-1206.
	2. Stefanescu, O., Vlase, T., Vlase, G., Doca, N., Stefanescu, M. Synthesis and characterization of new hydroxycarboxylate compounds obtained in the redox reaction between Fe(NO3)3 and diol (2011) Thermochimica Acta, 519 (1-2), pp. 22-27. DOI: 10.1016/j.tca.2011.02.024
	3. Albu, P., Bolcu, C., Vlase, G., Doca, N., Vlase, T. Kinetics of degradation under non-isothermal conditions of a thermooxidative stabilized polyurethane (2011) Journal of Thermal Analysis and Calorimetry, 105 (2), pp. 685-689. DOI: 10.1007/s10973-011-1497-6
	4. Duda-Seiman, C., Vlase, T., Vlase, G., Duda-Seiman, D., Albu, P., Doca, N. Thermal analysis study of amlodipine as pure compound and in binary mixture (2011) Journal of Thermal Analysis and Calorimetry, 105 (2), pp. 677-683. DOI: 10.1007/s10973-011-1431-y
	5. Duda-Seiman, C., Vlase, T., Vlase, G., Cinca, R., Anghel, M., Doca, N. Thermal behavior of verapamil in pure and in solid dosage forms (2011) Journal of Thermal Analysis and Calorimetry, 105 (3), pp. 851-858. DOI: 10.1007/s10973-011-1460-6
	6. Doca, N., Pop, N., Mogos, A., Albu, P., Vlase, T. Selective activation of heterogeneous systems: A consequence of the jahn-teller effect (2011) Revue Roumaine de Chimie, 56 (10-11), pp. 953-957.
	7. Fulias, A., Bobric, A., Vlase, G., Vlase, T., Doca, N. Thermal stability and biological interactions of some cephalosporins (2011) Revue Roumaine de Chimie, 56 (10-11), pp. 959-966.
	8. Fulias, A., Fulias, N., Vlase, G., Tita, B., Tita, D., Vlase, T. Thermal decomposition kinetics of cefadroxil (2011) Revue Roumaine de Chimie, 56 (10-11), pp. 967-973.
	9. Stefanescu, M., Barbu, M., Vlase, T., Barvinschi, P., Barbu-Tudoran, L., Stoia, M. Novel low temperature synthesis method for nanocrystalline zinc and magnesium chromites (2011) Thermochimica Acta, 526 (1-2), pp. 130-136. DOI: 10.1016/j.tca.2011.09.005
	10. Bucur, A.I., Bucur, R., Vlase, T., Doca, N. Thermal analysis and high-temperature X-ray diffraction of nano-tricalcium phosphate crystallization (2012) Journal of Thermal Analysis and Calorimetry, 107 (1), pp. 249-255. DOI: 10.1007/s10973-011-1753-9
	11. Anghel, M., Vlase, T., Vlase, G., Albu, P., Doca, N., Tolan, I., Mracec, M. Hyphenated techniques used by evaluation of the thermal behaviour of glycyrrhetinic acid (2012) Revue Roumaine de Chimie, 57 (7-8), pp. 747-753.
	12. Bodescu, A.-M., Sîrghie, C., Vlase, T., Doca, N. Kinetics of thermal decomposition of natrium oxalato- oxo-diperoxo molibdate (2012) Journal of Thermal Analysis and Calorimetry, 110 (3), pp. 1243-1247. DOI: 10.1007/s10973-011-1993-8
	13. Ledeţi, I., Fuliaş, A., Vlase, G., Vlase, T., Doca, N. Novel triazolic copper (II) complex: Synthesis, thermal behaviour and kinetic study (2013) Revue Roumaine de Chimie, 58 (4-5), pp. 441-450.
	14. Fuliaş, A., Vlase, G., Vlase, T., Soica, C., Heghes, A., Craina, M., Ledeti, I. Comparative kinetic analysis on thermal degradation of some cephalosporins using TG and DSC data (2013) Chemistry Central Journal, 7 (1), art. no. 70, . DOI: 10.1186/1752-153X-7-70
	15. Fuliaş, A., Ledeţi, I., Vlase, G., Vlase, T. Physico-chemical solid-state characterization of pharmaceutical pyrazolones: An unexpected thermal behavior (2013) Journal of Pharmaceutical and Biomedical Analysis, 81-82, pp. 44-49. DOI: 10.1016/j.jpba.2013.03.018
	16. Pop, N., Mogoş, A.M., Vlase, G., Vlase, T., Doca, N. Theoretic analysis and experimental evidence for relationships between the derivative thermogravimetric curves and the Gramm-Schmidt profiles (2013) Journal of Thermal Analysis and Calorimetry, 113 (1), pp. 113-119. DOI: 10.1007/s10973-013-2967-9
	17. Fulias, A., Vlase, G., Grigorie, C., Ledeţi, I., Albu, P., Bilanin, M., Vlase, T. Thermal behaviour studies of procaine and benzocaine: Part 1. Kinetic analysis of the active substances under non-isothermal conditions (2013) Journal of Thermal Analysis and Calorimetry, 113 (1), pp. 265-271. DOI: 10.1007/s10973-013-2959-9
	18. Fuliaş, A., Ledeţi, I., Vlase, G., Popoiu, C., Hegheş, A., Bilanin, M., Vlase, T., Gheorgheosu, D., Craina, M., Ardelean, S., Ferechide, D., Mǎrginean, O., Moş, L. Thermal behaviour of procaine and benzocaine

Part II: Compatibility study with some pharmaceutical excipients used in solid dosage forms (2013) Chemistry Central Journal, 7 (1), art. no. 140, . DOI: 10.1186/1752-153X-7-140

* 1. Bodescu, A.-M., Sîrghie, C., Vlase, T., Doca, N. Comparative kinetics studies of thermal decomposition of kalium, respectively natrium oxalato-oxo-diperoxo molibdate (2013) Journal of Thermal Analysis and Calorimetry, 113 (3), pp. 1431-1435. DOI: 10.1007/s10973-013-3192-2
	2. Stefanescu, O., Vlase, T., Sorescu, S., Barvinschi, P., Stefanescu, M.Thermal behavior of Co(II) and Ni(II) hydroxycarboxylate complexes obtained by two original synthesis methods (2013) Journal of Thermal Analysis and Calorimetry, 113 (3), pp. 1345-1354. DOI: 10.1007/s10973-013-2951-4
	3. Bolcu, C., Vlase, G., Vlase, T., Albu, P., Doca, N., Şisu, E. Thermal behavior of some polyurethanes reticulated by aminated maltose (2013) Journal of Thermal Analysis and Calorimetry, 113 (3), pp. 1409-1414. DOI: 10.1007/s10973-013-3177-1
	4. Anghel, M., Vlase, G., Bilanin, M., Vlase, T., Albu, P., Fuliaş, A., Tolan, I., Doca, N. Comparative study on the thermal behavior of two similar triterpenes from birch (2013) Journal of Thermal Analysis and Calorimetry, 113 (3), pp. 1379-1385. DOI: 10.1007/s10973-013-3203-3
	5. Ledeti, I., Simu, G., Vlase, G., Savoiu, G., Vlase, T., Suta, L.-M., Popoiu, C., Fulias, A. Synthesis and solid-state characterization of Zn(II) metal complex with acetaminophen (2013) Revista de Chimie, 64 (10), pp. 1127-1130.
	6. Ledeţi, I., Fuliaş, A., Vlase, G., Vlase, T., Bercean, V., Doca, N. Thermal behaviour and kinetic study of some triazoles as potential anti-inflammatory agents (2013) Journal of Thermal Analysis and Calorimetry, 114 (3), pp. 1295-1305. DOI: 10.1007/s10973-013-3123-2
	7. Bolcu, C., Modra, D., Vlase, G., Doca, N., Mihali, C., Vlase, T. Synthesis and thermal behavior of some diisocyanate-silane compounds (2014) Journal of Thermal Analysis and Calorimetry, 115 (1), pp. 489-

494. DOI: 10.1007/s10973-013-3187-z

* 1. Pop, N., Hatiegan, C., Vlase, T., Răduca, M., Gillich, G.R., Vasile, O., Răduca, E. Fermionic oscillators and their connection with the isokinetic temperature (2014) Romanian Reports in Physics, 66 (3), pp. 716-722.
	2. Udrescu, L., Sbârcea, L., Fuliaş, A., Ledeti, I., Vlase, T., Barvinschi, P., Kurunczi, L. Physicochemical characterization of zofenopril inclusion complex with hydroxypropyl-β-cyclodextrin (2014) Journal of the Serbian Chemical Society, 79 (11), pp. 1-20. DOI: 10.2298/JSC140828118U
	3. Patrascu, J., Bedreag, O., Papurica, M., Biris, M., Ancusa, O., Onetiu, D., Vlase, G., Vlase, T., Sandesc, D.Compatibility of ester-type anesthetic agents with two polysaccharides (2014) Revista de Chimie, 65 (8), pp. 921-924.
	4. Ledeti, I., Simu, G., Vlasp, G., Vlase, T., Olariu, T., Savoiu, G., Suta, L.-M., Popow, C., Fulias, A. Ni(II) coordination compound with acetaminophen synthesis and characterization (2014) Revista de Chimie, 65 (5), pp. 556-559.
	5. Fuliaş, A., Popoiu, C., Vlase, G., Vlase, T., Oneţiu, D., Sǎvoiu, G., Simu, G., Pǎtruţescu, C., Ilia, G., Ledeţi, I. Thermoanalytical and spectroscopic study on methotrexate - active substance and tablet (2014) Digest Journal of Nanomaterials and Biostructures, 9 (1), pp. 93-98.
	6. Fuliaş, A., Vlase, G., Şoica, C., Bercean, V., Vlase, T., Ledeţi, I. Thermal behaviour of a modified encapsulation agent: Heptakis-6-iodo-6-deoxy-beta-cyclodextrin (2014) Journal of Thermal Analysis and Calorimetry, 118 (2), pp. 961-966. DOI: 10.1007/s10973-014-3727-1
	7. Ledeti, I., Vlase, G., Vlase, T., Doca, N., Bercean, V., Fulias, A. Thermal decomposition, kinetic study and evolved gas analysis of 1,3,5-triazine-2,4,6-triamine (2014) Journal of Thermal Analysis and Calorimetry, 118 (2), pp. 1057-1063. DOI: 10.1007/s10973-014-3848-6
	8. Fuliaş, A., Vlase, G., Vlase, T., Oneţiu, D., Doca, N., Ledeţi, I. Thermal degradation of B-group vitamins: B1, B2and B6: Kinetic study (2014) Journal of Thermal Analysis and Calorimetry, 118 (2), pp. 1033- 1038. DOI: 10.1007/s10973-014-3847-7
	9. Şoica, C., Fuliaş, A., Vlase, G., Dehelean, C., Vlase, T., Ledeţi, I. Synthesis and thermal behavior of new ambazone complexes with some transitional cations (2014) Journal of Thermal Analysis and Calorimetry, 118 (2), pp. 1305-1311. DOI: 10.1007/s10973-014-3858-4
	10. Pupca, G., Bucuras, V., Vlase, G., Vlase, T., Fuuas, A., Ledeti, I. Solid-state analysis of some urinary calculi(2014) Revista de Chimie, 65 (9), pp. 1058-1062.
	11. Fulias, A., Soica, C., Ledeti, I., Vlase, T., Vlase, G., Suta, L.-M., Belu, I. Characterization of pharmaceutical acetylsalicylic acid - Theophylline cocrystal obtained by slurry method under microwave irradiation (2014) Revista de Chimie, 65 (11), pp. 1281-1284.
	12. Fuliaş, A., Vlase, G., Todea, A., Vlase, T., Ledeţi, I. Thermal characterization of polymeric coatings for pharmaceutical dosage forms (2015) Macromolecular Symposia, 352 (1), pp. 59-65. DOI: 10.1002/masy.201400154
	13. Ivan, C., Ledeti, I., Vlase, G., Vlase, T., Fulias, A., Olariu, S. Study of solid - State behaviour of some human gallstones (2015) Revista de Chimie, 66 (2), pp. 265-270.
	14. Udrescu, L., Sbârcea, L., Fuliaş, A., LedeţI, I., Vlase, T., Barvinschi, P., Kurunczi, L. Physicochemical characterization of zofenopril inclusion complex with 2-hydroxypropyl-β-cyclodextrin (2015) Journal of the Serbian Chemical Society, 80 (4), pp. 485-497. DOI: 10.2298/JSC140828118U
	15. Ivan, C., Suta, L.-M., Olariu, T., Ledeti, I., Vlase, G., Vlase, T., Olariu, S., Matusz, P., Fulias, A. Preliminary kinetic study for heterogenous degradation of cholesterol - Containing human biliary stones (2015) Revista de Chimie, 66 (8), pp. 1253-1255.
	16. Popovici, A.R., Vlase, G., Vlase, T., Suta, L.-M., Popoiu, C., Ledeti, I., Iovanescu, G., Fulias, A. Local anesthetic agents III. Study of solid dosage forms with pharmaceutical excipients (2015) Revista de Chimie, 66 (7), pp. 1046-1051.
	17. Ledeţi, I., Alexa, A., Bercean, V., Vlase, G., Vlase, T., Şuta, L.-M., Fuliaş, A. Synthesis and degradation of Schiff bases containing heterocyclic pharmacophore (2015) International Journal of Molecular Sciences, 16 (1), pp. 1711-1727. DOI: 10.3390/ijms16011711
	18. Albu, P., Mogos, A., Vlase, G., Vlase, T. Thermal behaviour and drug-excipient interaction studies for quinidine (2015) Revue Roumaine de Chimie, 60 (5-6), pp. 587-593..
	19. Stefanescu, M., Bozdog, M., Muntean, C., Stefanescu, O., Vlase, T. Synthesis and magnetic properties of Co1- xZnxFe2O4 (x=0÷1) nanopowders by thermal decomposition of Co(II), Zn(II) and Fe(III) carboxylates (2015) Journal of Magnetism and Magnetic Materials, 393, pp. 92-98. DOI: 10.1016/j.jmmm.2015.05.048
	20. Ledeti, I., Vlase, G., Vlase, T., Ciucanu, I., Olariu, T., Todea, A., Fulias, A., Suta, L.-M. Instrumental analysis of potential lovastatin - excipient interactions in preformulation studies (2015) Revista de Chimie, 66 (6), pp. 879-882.
	21. Ledeţi, I., Vlase, G., Vlase, T., Fuliaş, A. Kinetic analysis of solid-state degradation of pure pravastatin versus pharmaceutical formulation (2015) Journal of Thermal Analysis and Calorimetry, 121 (3), pp. 1103- 1110. DOI: 10.1007/s10973-015-4842-3
	22. Ledeţi, I., Vlase, G., Vlase, T., Bercean, V., Fuliaş, A. Kinetic of solid-state degradation of transitional coordinative compounds containing functionalized 1,2,4-triazolic ligand (2015) Journal of Thermal Analysis and Calorimetry, 121 (3), pp. 1049-1057. DOI: 10.1007/s10973-015-4520-5
	23. Modra, D., Vlase, G., Albu, P., Bolcu, C., Vlase, T. Influence of the nature of the chain breaker on the thermal stability of phthalic anhydride-based polyesters (2015) Journal of Thermal Analysis and Calorimetry, 121 (3), pp. 1021-1030. DOI: 10.1007/s10973-015-4764-0
	24. Albu, P., Vlase, G., Modra, D., Bolcu, C., Vlase, T. Thermal behaviour of the polyesters obtained with different molar ratios of carboxyl hydroxyl components (2015) Journal of Thermal Analysis and Calorimetry, 121 (3), pp. 1031-1037. DOI: 10.1007/s10973-015-4783-x
	25. Ledeţi, I., Vlase, G., Vlase, T., Şuta, L.-M., Todea, A., Fuliaş, A. Selection of solid-state excipients for simvastatin dosage forms through thermal and nonthermal techniques (2015) Journal of Thermal Analysis and Calorimetry, 121 (3), pp. 1093-1102. DOI: 10.1007/s10973-015-4832-5
	26. Pǎtruţescu, C., Vlase, G., Turcuş, V., Ardelean, D., Vlase, T., Albu, P. TG/DTG/DTA data used for determining the kinetic parameters of the thermal degradation process of an immunosuppressive agent: Mycophenolate mofetil (2015) Journal of Thermal Analysis and Calorimetry, 121 (3), pp. 983-988. DOI: 10.1007/s10973-015-4620-2
	27. Fuliaş, A., Vlase, G., Vlase, T., Şuta, L.-M., Şoica, C., Ledeţi, I. Screening and characterization of cocrystal formation between carbamazepine and succinic acid (2015) Journal of Thermal Analysis and Calorimetry, 121 (3), pp. 1081-1086. DOI: 10.1007/s10973-015-4473-8
	28. Ledeţi, I., Avram, S., Bercean, V., Vlase, G., Vlase, T., Ledeţi, A., Zupko, I., Mioc, M., Şuta, L.-M., Şoica, C., Dehelean, C. Solid-state characterization and biological activity of betulonic acid derivatives (2015) Molecules, 20 (12), pp. 22691-22702. DOI: 10.3390/molecules201219876
	29. Suta, L.-M., Vlase, G., Vlase, T., Savoiu-Balint, G., Olariu, T., Belu, I., Ledeti, A., Murariu, M.-S., Stelea, L., Ledeti, I. Thermal Characterization of Cholesterol in Air vs. Nitrogen Atmosphere (2016) Revista de Chimie, 67 (1), pp. 84-86.
	30. Suta, L.-M., Vlase, G., Vlase, T., Olariu, T., Ledeti, I., Belu, I., Ivan, C., Sarau, C.-A., Savoiu-Balint, G., Stelea, L., Ledeti, A. Solid state stability of cholesterol preliminary kinetic analysis (2016) Revista de Chimie, 67 (1), pp. 113-115.
	31. Ledeti, A., Vlase, G., Ledeti, I., Vlase, T., Matusz, P., Dehelean, C., Circioban, D., Stelea, L., Suta,

L.M. Thermal stability of desipramine and imipramine (2016) Revista de Chimie, 67 (2), pp. 336-338.

* 1. Suta, L.M., Vlase, G., Ledeti, A., Vlase, T., Matusz, P., Trandafirescu, C., Circioban, D., Olariu, S., Ivan, C., Murariu, M.-S., Stelea, L., Ledeti, I. Solid-state thermal behaviour of cholic acid (2016) Revista de Chimie, 67 (2), pp. 329-331.
	2. Murariu, M.S., Olariu, S., Ivan, C., Ledeti, I., Vlase, T., Vlase, G., Ledeti, A., Iacob, N., Miclaus, G.D., Matusz, P. Correlations between morphology and instrumental analysis of human gallstones - Preliminary study (2016) Revista de Chimie, 67 (3), pp. 575-579.
	3. Ledeti, I., Vlase, G., Vlase, T., Murariu, M., Trandafirescu, C., Soica, C., Suta, L.M., Dehelean, C., Ledeti, A.Non-isothermal isoconversional kinetic study regarding the degradation of albendazole (2016) Revista de Chimie, 67 (3), pp. 549-552.
	4. Ledeţi, I., Ledeţi, A., Vlase, G., Vlase, T., Matusz, P., Bercean, V., Şuta, L.-M., Piciu, D. Thermal stability of synthetic thyroid hormone l-thyroxine and l-thyroxine sodium salt hydrate both pure and in pharmaceutical formulations (2016) Journal of Pharmaceutical and Biomedical Analysis, 125, pp. 33-40. DOI: 10.1016/j.jpba.2016.03.026
	5. Ledeţi, I., Vlase, G., Vlase, T., Fuliaş, A., Şuta, L.-M. Comparative thermal stability of two similar- structure hypolipidemic agents: Simvastatin and Lovastatin—kinetic study (2016) Journal of Thermal Analysis and Calorimetry, 125 (2), pp. 769-775. DOI: 10.1007/s10973-015-5071-5
	6. Ledeţi, I., Bercean, V., Vlase, G., Vlase, T., Ledeţi, A., Şuta, L.-M. Betulonic acid: Study of thermal degradation by kinetic approach (2016) Journal of Thermal Analysis and Calorimetry, 125 (2), pp. 785-791. DOI: 10.1007/s10973-016-5299-8
	7. Fuliaş, A., Ledeţi, I., Vlase, G., Vlase, T., Şoica, C., Dehelean, C., Oprean, C., Bojin, F., Şuta, L.-M., Bercean, V., Avram, Ş. Thermal degradation, kinetic analysis, and apoptosis induction in human melanoma for oleanolic and ursolic acids (2016) Journal of Thermal Analysis and Calorimetry, 125 (2), pp. 759-768. DOI: 10.1007/s10973-015-5052-8
	8. Blajovan, R., Ledeţi, I., Vlase, G., Ledeţi, A., Vlase, T. Study of thermal induced excipient–excipient interactions: polyvinyl alcohol and polyvinylpyrrolidone with other pharmaceutical excipients (2016) Journal of Thermal Analysis and Calorimetry, 126 (1), pp. 171-179. DOI: 10.1007/s10973-016-5348-3
	9. Vlase, G., Jurcău, D., Ledeţi, A., Ceban, I., Vlase, T. Thermal behavior of phthalic anhydride bases polyesters: Part II. Influence of the polyol by polyesters synthetized in microwave field (2016) Journal of Thermal Analysis and Calorimetry, 126 (1), pp. 293-298. DOI: 10.1007/s10973-016-5679-0
	10. Vlase, G., Bolcu, C., Modra, D., Budiul, M.M., Ledeţi, I., Albu, P., Vlase, T. Thermal behavior of phthalic anhydride-based polyesters: Part I. Influence of the polyol on the thermal stability (2016) Journal of Thermal Analysis and Calorimetry, 126 (1), pp. 287-292. DOI: 10.1007/s10973-016-5509-4
	11. Ledeţi, A., Vlase, G., Vlase, T., Bercean, V., Murariu, M.S., Ledeţi, I., Şuta, L.-M. Solid-state preformulation studies of amiodarone hydrochloride (2016) Journal of Thermal Analysis and Calorimetry, 126 (1), pp. 181-187. DOI: 10.1007/s10973-016-5256-6
	12. Doca, S.C., Albu, P., Ceban, I., Anghel, A., Vlase, G., Vlase, T. Sodium alendronate used in bone treatment: A complex study on the thermal behavior of the bioactive compound and its binary mixtures with several excipients (2016) Journal of Thermal Analysis and Calorimetry, 126 (1), pp. 189-194. DOI: 10.1007/s10973-016-5619-z
	13. Ceban, I., Blajovan, R., Vlase, G., Albu, P., Koppandi, O., Vlase, T. Thermoanalytical measurements conducted on repaglinide to estimate the kinetic triplet followed by compatibility studies between the antidiabetic agent and various excipients (2016) Journal of Thermal Analysis and Calorimetry, 126 (1), pp. 195-

204. DOI: 10.1007/s10973-016-5729-7

* 1. Ledeti, A., Vlase, G., Circioban, D., Ledeti, I., Stelea, L., Vlase, T., Caunii, A. Comparative stability of levodopa under thermal stress in both oxidative and inert media (2016) Revista de Chimie, 67 (12), pp. 2648- 2650.
	2. Vlase, G., Albu, P., Doca, S.C., Mateescu, M., Vlase, T. The kinetic study of the thermally induced degradation and an evaluation of the drug–excipient interactions performed for a new-generation bisphosphonate—risedronate (2018) Journal of Thermal Analysis and Calorimetry, 134 (1), pp. 721-730. DOI: 10.1007/s10973-018-7216-9
	3. Vlase, T., Albu, P., Ledeţi, A., Circioban, D., Mateescu, M., Moşoiu, C., Vlase, G. Thermal behavior of entacapone, a catechol-O-methyltransferase inhibitor used in Parkinson’s Disease (2018) Journal of Thermal Analysis and Calorimetry, 134 (1), pp. 711-720. DOI: 10.1007/s10973-018-7097-y
	4. Circioban, D., Ledeti, A., Vlase, G., Moaca, A., Ledeti, I., Farcas, C., Vlase, T., Dehelean, C. Thermal degradation, kinetic analysis and evaluation of biological activity on human melanoma for Artemisinin (2018) Journal of Thermal Analysis and Calorimetry, 134 (1), pp. 741-748. DOI: 10.1007/s10973-018-7497-z
	5. Crisan, M., Vlase, G., Plesu, N., Petric, M., Croitor, L., Kravtsov, V., Chumakov, Y., Bourosh, P., Vlase, T. Ethylethanolammonium 4-nitrobenzoate: Synthesis, structural characterization, thermal analysis, non-isothermal kinetic investigations and corrosion inhibitor efficiency (2018) Journal of Thermal Analysis and Calorimetry,

134 (1), pp. 343-352. DOI: 10.1007/s10973-018-7296-6

* 1. Circioban, D., Ledeţi, I., Vlase, G., Ledeţi, A., Axente, C., Vlase, T., Dehelean, C. Kinetics of heterogeneous-induced degradation for artesunate and artemether (2018) Journal of Thermal Analysis and Calorimetry, 134 (1), pp. 749-756. DOI: 10.1007/s10973-018-7257-0
	2. Ledeti, I., Pusztai, A.M., Muresan, C.M., Circioban, D., Vlase, G., Murariu, M., Suta, L.-M., Vlase, T., Ledeti, A., Suciu, O., Buda, V., Matusz, P. Study of solid-state degradation of prochlorperazine and promethazine (2018) Journal of Thermal Analysis and Calorimetry, 134 (1), pp. 731-740. DOI: 10.1007/s10973-018-7566-3
	3. Ledeti, I., Pusztai, A.M., Mureşan, C.M., Circioban, D., Vlase, G., Axente, C., Suta, L.-M., Vlase, T., Matusz, P., Ledeti, A., Suciu, O., Buda, V., Murariu, M. Study of kinetic characteristics of 6-ethyl chenodeoxycholic acid and deoxycholic acid decomposition in non-isothermal conditions (2018) Journal of Thermal Analysis and Calorimetry, 134 (1), pp. 757-764. DOI: 10.1007/s10973-018-7660-6
	4. Crisan, M., Vlase, G., Plesu, N., Petric, M., Croitor, L., Kravtsov, V., Chumakov, Y., Bourosh, P., Vlase, T. Correction to: Ethylethanolammonium 4-nitrobenzoate: Synthesis, structural characterization, thermal analysis, non-isothermal kinetic investigations and corrosion inhibitor efficiency (2018) Journal of Thermal Analysis and Calorimetry, p. 1. Article in Press. DOI: 10.1007/s10973-018-7465-7 Access Type: Open Access
	5. Circioban, D., Ledeti, A., Vlase, G., Coricovac, D., Moaca, A., Farcas, C., Vlase, T., Ledeti, I., Dehelean,

C. Guest–host interactions and complex formation for artemisinin with cyclodextrins: instrumental analysis and evaluation of biological activity (2018) Journal of Thermal Analysis and Calorimetry, pp. 1-10. Article in Press. DOI: 10.1007/s10973-018-7411-8

* 1. Crisan, M., Vlase, G., Szerb, E.I., Vlase, T. Thermal and kinetics studies of primary, secondary and tertiary alkanolammonium salts of 4-nitrobenzoic acid (2018) Journal of Thermal Analysis and Calorimetry, 132 (2), pp. 1409-1418. DOI: 10.1007/s10973-018-6975-7
	2. Ledeti, I., Pusztai, A.M., Murariu, M., Olariu, S., Ivan, C., Circioban, D., Vlase, G., Ledeti, A., Vlase, T., Matusz, P. Comparative instrumental investigations of some bile acids (2018) Journal of Thermal Analysis and Calorimetry, pp. 1-6. Article in Press. DOI: 10.1007/s10973-018-7163-5
	3. Berei, E., Ştefănescu, O., Muntean, C., Vlase, T., Ţăranu, B.O., Dabici, A., Ştefănescu, M. A novel route for the preparation of CoCr2O4/SiO2nanocomposite starting from Co(II)–Cr(III) carboxylate complex combinations (2018) Journal of Materials Science, 53 (6), pp. 4159-4172. DOI: 10.1007/s10853-017-1834-7
	4. Ledeti, A., Olariu, T., Caunii, A., Vlase, G., Circioban, D., Baul, B., Ledeti, I., Vlase, T., Murariu, M. Evaluation of thermal stability and kinetic of degradation for levodopa in non-isothermal conditions (2018) Journal of Thermal Analysis and Calorimetry, 131 (2), pp. 1881-1888. DOI: 10.1007/s10973-017-6671-z
	5. Vlase, G., Budiul, M., Pătruţescu, C., Albu, P., Vlase, T. An extensive compatibility study of mycophenolate mofetil with different excipients by spectroscopic and thermoanalytical investigation techniques (2018) Journal of Thermal Analysis and Calorimetry, 131 (1), pp. 225-236. DOI: 10.1007/s10973-017-6192-9
	6. Vlase, G., Budiul, M., Vlase, T., Albu, P., Ledeţi, A. Thermally induced interactions between adamantan- 2-one and some pharmaceutical excipients (2018) Journal of Thermal Analysis and Calorimetry, 131 (1), pp. 201-

213. DOI: 10.1007/s10973-017-6332-2

* 1. Ledeti, A., Vlase, G., Vlase, T., Circioban, D., Dehelean, C., Ledeti, I. Kinetic study for solid-state degradation of mental disorder therapeutic agents: Amitriptyline, desipramine and imipramine (2018) Journal of Thermal Analysis and Calorimetry, 131 (1), pp. 155-165. DOI: 10.1007/s10973-016-6064-8
	2. Ledeti, A., Vlase, G., Vlase, T., Circioban, D., Dehelean, C., Ledeti, I., Suta, L.-M. Binary adduct formation of desipramine with dicarboxylic acids: An instrumental study (2018) Journal of Thermal Analysis and Calorimetry, 131 (1), pp. 167-173. DOI: 10.1007/s10973-016-5967-8
	3. Ledeţi, I., Budiul, M., Matusz, P., Vlase, G., Circioban, D., Dehelean, C., Şuta, L.-M., Caunii, A., Ledeţi, A., Vlase, T., Murariu, M., Bolintineanu, S. Preformulation studies for nortriptyline: Solid-state compatibility with pharmaceutical excipients (2018) Journal of Thermal Analysis and Calorimetry, 131 (1), pp. 191-199. DOI: 10.1007/s10973-017-6269-5
	4. Grigorie, A.C., Muntean, C., Vlase, G., Ştefănescu, M. Synthesis and characterization of ZnAl2O4spinel from Zn(II) and Al(III) carboxylates (2018) Journal of Thermal Analysis and Calorimetry, 131 (1), pp. 183-189. DOI: 10.1007/s10973-017-6268-6
	5. 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) Journal of Thermal Analysis and Calorimetry, 130 (1), pp. 391-396. DOI: 10.1007/s10973-017-6443-9
	6. Vlase, G., Blajovan, R., Albu, P., Vlase, T. Study of thermally induced interaction between hydroxyethylcellulose and carboxymethylcellulose with different excipients (2017) Journal of Thermal Analysis and Calorimetry, 130 (1), pp. 397-402. DOI: 10.1007/s10973-017-6309-1
	7. Ledeti, I., Bolintineanu, S., Vlase, G., Circioban, D., Ledeti, A., Vlase, T., Suta, L.-M., Caunii, A., Murariu, M. Compatibility study between antiparkinsonian drug Levodopa and excipients by FTIR spectroscopy, X-ray diffraction and thermal analysis (2017) Journal of Thermal Analysis and Calorimetry, 130 (1), pp. 433-441. DOI: 10.1007/s10973-017-6393-2
	8. Albu, P., Budiul, M., Mateescu, M., Chiriac, V., Vlase, G., Vlase, T. Studies regarding the induced thermal degradation, kinetic analysis and possible interactions with various excipients of an osseointegration agent: zoledronic acid (2017) Journal of Thermal Analysis and Calorimetry, 130 (1), pp. 403-411. DOI: 10.1007/s10973-017-6537-4
	9. Ledeti, I., Bolintineanu, S., Vlase, G., Circioban, D., Dehelean, C., Suta, L.-M., Caunii, A., Ledeti, A., Vlase, T., Murariu, M. Evaluation of solid-state thermal stability of donepezil in binary mixtures with excipients using instrumental techniques (2017) Journal of Thermal Analysis and Calorimetry, 130 (1), pp. 425-431. DOI: 10.1007/s10973-017-6250-3
	10. Grigorie, A.C., Muntean, C., Vlase, T., Locovei, C., Stefanescu, M. ZnO-SiO2based nanocomposites prepared by a modified sol-gel method (2017) Materials Chemistry and Physics, 186, pp. 399-406. DOI: 10.1016/j.matchemphys.2016.11.011
	11. Buda, V., Andor, M., Ledeti, A., Ledeti, I., Vlase, G., Vlase, T., Cristescu, C., Voicu, M., Suciu, L., Tomescu, M.C. Comparative solid-state stability of perindopril active substance vs. pharmaceutical formulation (2017) International Journal of Molecular Sciences, 18 (1), art. no. 164, DOI: 10.3390/ijms18010164
	12. Popa, A., Ilia, G., Iliescu, S., Doca, N., Vlase, T., Vlase, G. Thermogravimetric characterization of styrene– divinylbenzene copolymers containing alpha-isopropylaminophosphonic acid groups (2017) International Journal of Polymer Analysis and Characterization, 22 (1), pp. 43-50. DOI: 10.1080/1023666X.2016.1230262
	13. Budiul, M., Albu, P., Vlase, G., Turcuş, V., Vlase, T. Thermogravimetric and calorimetric studies performed on memantine hydrochloride to determine its thermal behaviour and possible drug–excipient interactions (2017) Journal of Thermal Analysis and Calorimetry, 127 (1), pp. 555-564. DOI: 10.1007/s10973-016-5600-x
	14. Albu, P., Doca, S.C., Anghel, A., Vlase, G., Vlase, T. Thermal behavior of sodium alendronate: A kinetic study under non-isothermal conditions (2017) Journal of Thermal Analysis and Calorimetry, 127 (1), pp. 571-

576. DOI: 10.1007/s10973-016-5745-7

* 1. Vlase, G., Modra, D., Albu, P., Ceban, I., Bolcu, C., Vlase, T. Thermal behavior of saturated phthalic-type polyesters. Influence of the branching polyol (2017) Journal of Thermal Analysis and Calorimetry, 127 (1), pp. 409-414. DOI: 10.1007/s10973-016-5667-4
	2. Ledeţi, I., Murariu, M., Vlase, G., Vlase, T., Doca, N., Ledeţi, A., Şuta, L.-M., Olariu, T. Investigation of thermal-induced decomposition of iodoform (2017) Journal of Thermal Analysis and Calorimetry, 127 (1), pp. 565-570. DOI: 10.1007/s10973-016-5368-z
	3. Sfirloaga, P., Poienar, M., Ianasi, C., Vlase, T., Vlazan, P. Synthesis and morpho-structural characterization of NaTaO3 nanomaterials obtained by ultrasonic method with immersed sonotrode (2017) Journal of Thermal Analysis and Calorimetry, 127 (1), pp. 457-462.
	4. Ştefănescu, M., Muntean, C., Berei, E., Vlase, T., Ştefănescu, O. Preparation and characterization of CuCr2O4/SiO2 and Cu2Cr2O4/SiO2 nanocomposites obtained from carboxylate complex combinations (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (3), pp. 1887-1894.
	5. Moşoiu, C., Vlase, D., Vlase, G., Lazău, R., Vlase, T. TG-DTA and FTIR analyses of roman and later historic mortars from Drobeta-Turnu Severin region (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (3), pp. 2159-2166.
	6. Vlase, D., Rogozea, O., Moşoiu, C., Vlase, G., Lazău, R., Vlase, T. Thermoanalytical investigations of some ceramics dated from the Neolithic period, discovered at Oxenbrickel, Sânandrei, Romania (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (3), pp. 2145-2157.
	7. Popescu, L., Mateescu, M., Bajaš, D., Bugnariu, C., Vlase, G., Jumanca, D., Vlase, T. Study of thermally induced interactions between theobromine and various sweeteners (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (3), pp. 2347-2356.
	8. Pahomi, A., Vlase, G., Toma, A., Ilia, G., Turcuş, V., Doca, N., Vlase, T**.** Synthesis, thermal behavior and FTIR study of some hydroxyapatite precursors doped with two metals (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (3), pp. 2175-2183.
	9. Cristea, M., Baul, B., Ledeţi, I., Ledeţi, A., Vlase, G., Vlase, T., Karolewicz, B., Ştefănescu, O., Dragomirescu, A.O., Mureşan, C., Cipu, D.-S., Velimirovici, D., Ştefănescu, M. Preformulation studies for atorvastatin calcium: An instrumental approach (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (4), pp. 2799-2806.
	10. Păușescu, I., Todea, A., Badea, V., Peter, F., Medeleanu, M., Ledeți, I., Vlase, G., Vlase, T. Optical and thermal properties of intelligent pH indicator films based on chitosan/PVA and a new xanthylium dye (2019) *Journal of Thermal Analysis and Calorimetry*, 141(3):, pp999-1008,
	11. [Nabiyev](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) A.A., [Olejniczak](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) A., [Pawlukojc](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) A., [Balasoiu](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) M., [Bunoiu](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) M., [Maharramov](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) A.M., [Nuriyev](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) M.A., [Ismayilova](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) R.S., [Azhibekov](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) A.K., [Kabyshev](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) A.M., [Ivankov O.I.,](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) [Vlase](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) T., [Linnik](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) D.S., [Shukurova](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) A.A., [YuIvanshina](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) O., [Turchenko](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) V.A., [Kuklin](https://www.sciencedirect.com/science/article/pii/S0141391019303702#!) A.I.. Nano-ZrO2 filled high-density polyethylene composites: Structure, thermal properties, and the influence γ-irradiation. (2020) [*Polymer Degradation and Stability*](https://www.sciencedirect.com/science/journal/01413910)*Available* 171,109042, DOI [10.1016/j.polymdegradstab.2019.109042](https://doi.org/10.1016/j.polymdegradstab.2019.109042)
	12. Ionut, Ledeţi , Mirabela Romanescu , Denisa Cîrcioban , Adriana Ledeţi, Gabriela Vlase, Titus Vlase, Oana Suciu, Marius Murariu , Sorin Olariu, Petru Matusz, Valentina Buda, Doina Piciu. Stability and Compatibility Studies of Levothyroxine Sodium in Solid Binary Systems-Instrumental Screening. (2020) ***Pharmaceutic****s* 12(1),58, DOI 10.3390/pharmaceutics12010058,
	13. Sfirloaga, P., Sebarchievici, I., Taranu, B., Poienar, M., Vlase, G., Vlase, T., Vlazan, P. Investigation of physico-chemical features of lanthanum manganite with nitrogen addition (2020) ***Journal of Alloys and Compounds***, 843, art. no. 155854
	14. Vlase, D., Codruţa, M., Vlase, G., Lazău, R., Vlase, T. Comparative analyses of Roman mortars belonging to different ancient periods from Drobeta-Turnu Severin region. ***J Therm Anal Calorim*** (**2020)**, 141 (3), pp. 991-998
	15. Croitor, L., Petric, M.F., Vlase, G., Vlase, T., Siminel, A.V., Bourosh, P.N., Crisan, M.E. The solvent effect in obtaining of acid–base multicomponent systems: thermal, structural and luminescence study ***J Therm Anal Calorim*** (**2020)** 141 (3), pp. 973-979.
	16. Circioban, D., Ledeti, A., Vlase, G., Vlase, T., Dehelean, C., Ledeti, I. Thermal stability and kinetic degradation study for dihydroartemisinin ***J Therm Anal Calorim*** (**2020)**, 142 (5), 2131-2136
	17. Vlase, D., Diaconescu, D., Bunoiu, V., Bunoiu, M., Vlase, G., Sfârloagă, P., Vlase, T. Analytical investigations of adornment pieces from Susani (Timiş County, Romania ***J Therm Anal Calorim*** (**2020)**141 (3):1067–1074
	18. Circioban, D; Ledeti, A; Vlase, G; Ledeti, L; Vlase, T; Varut, R; Pavel, LZ; Dehelean, C. Preparation, physicochemical characterization and biological activity evaluation of some inclusion complexes containing artesunate. ***J Therm Anal Calorim*** (**2020)** 141 (3):1041-1051. DOI: 10.1007/s10973-020-09763-z
	19. Crisan, ME; Vlase, G; Vlase, T; Croitor, L; Ilia, G; Bourosh, PN; Kravtsov, VC; Petric, MF. Thermogravimetric and kinetic study of new bis(iminophosphorane)ethane solvates**. *J Therm Anal Calorim*** (**2020):** 141(3):1009–1016
	20. Croitor, L., Crisan, M., Vlase, G., Vlase, T., Bodnarescu, F., Sumalan, R., Petric, M., Siminel, A.V., Bourosh, P. Advances in new multicomponent crystal system: structure, thermal kinetic analysis, photoluminescent, and biological activity investigations ***J Therm Anal Calorim*** (**2020)**141(3):973–979
	21. Circioban, D., Ledeti, I., Suta, L.-M., Vlase, G., Ledeti, A., Vlase, T., Varut, R., Sbarcea, L., Trandafirescu, C., Dehelean, C. Instrumental analysis and molecular modelling of inclusion complexes containing artesunate ***J Therm Anal Calorim*** (**2020)***142(5): 1951-1961* **DOI:** 10.1007/s10973-020-09975-3.
	22. Ledeți, I., Bengescu, C., Cîrcioban, D., Vlase, G., Vlase, T., Tomoroga, C., Buda, V., Ledeți, A., Dragomirescu, A., Murariu, M. Solid-state stability and kinetic study of three glucocorticoid hormones: prednisolone, prednisone and cortisone ***J Therm Anal Calorim*** (**2020)**141(3): 1053- 1065 **DOI:** 10.1007/s10973-020-09534-w
	23. Valentina Buda, Bianca Baul, Minodora Andor, Dana Emilia Man, Adriana Ledeţi, Gabriela Vlase, Titus Vlase, Corina Danciu, Petru Matusz, Francisc Peter, Ionut Ledeţi. Solid State Stability and Kinetics of Degradation for Candesartan—Pure Compound and Pharmaceutical Formulation. **(2020)** [***Pharmaceutics***](https://www-scopus-com.am.e-nformation.ro/sourceid/19700188360?origin=resultslist)**12(2),86,** DOI 10.3390/pharmaceutics12020086
	24. Rotaru A., Vlase T, Budrugeac P., Petuhov O. Recent developments in the field of Thermal Analysis and Calorimetry in Romania and Republic of Moldova. ***J Therm Anal Calorim*** (**2020)**141(3): 969- 971, DOI: 10.1007/s10973-020-09938-8
	25. Sfirloaga P., Vlase G., Vlase T., Malaescu I., Marin C.N., Vlazan P. Silver doping in lanthanum manganite materials: structural and electrical properties ***J Therm Anal Calorim*** (**2020) 142(5): 1817-1823;** DOI: 10.1007/s10973-020-10095-1
	26. Păușescu, I., Todea, A., Badea, V., Peter, F., Medeleanu, M., Ledeți, I., Vlase, G., Vlase, T. Optical and thermal properties of intelligent pH indicator films based on chitosan/PVA and a new xanthylium dye (2020) Journal of Thermal Analysis and Calorimetry, 141 (3), pp. 999-1008
	27. Grad, O., Ciopec, M., Negrea, A., Duțeanu, N., Vlase, G., Negrea, P., Dumitrescu, C., Vlase, T., Vodă, R. Precious metals recovery from aqueous solutions using a new adsorbent material (2021) *Scientific Reports*, 11 (1), art. no. 2016, DOI: 10.1038/s41598-021-81680-z
	28. Bajas, D., Vlase, G., Mateescu, M., Grad, O.A., Bunoiu, M., Vlase, T., Avram, C. Formulation and characterization of alginate-based membranes for the potential transdermal delivery of methotrexate (2021) *Polymers*, 13 (1), art. no. 161, pp. 1-18, DOI: 10.3390/polym13010161
	29. Crisan, M., Petric, M., Vlase, G., Vlase, T., Siminel, A.V., Bourosh, P.N., Croitor, L. Organic salt versus salt cocrystal: thermal behavior, structural and photoluminescence investigations (2022) *Journal of Thermal Analysis and Calorimetry*, 147 (2) , pp.1203-1213, DOI: 10.1007/s10973-020- 10438-y;
	30. M. BUNOIU, G. VLASE, I. BICA, M. BALASOIU, G. PASCU, T. VLASE. Study of thermal stability of some magnetorheological elastomers, Romanian Reports in Physics 73, 503 (2021)
	31. Mădălina MATEESCU, Gabriela VLASE, Daniela JUMANCA, Atena GALUSCAN, Claudiu AVRAM, Titus VLASE, Comparative study regarding thermal behaviour of mixtures based on hydroxyapatite and methacrylate for dental use, Mater. Plast., 58 (1), 2021, 1-10, doi.org/10.37358/MP.21.1.5439
	32. Marioane, C.-A.; Bunoiu, M.; Mateescu, M.; Sfîrloagă, P.; Vlase, G.; Vlase, T. Preliminary Study for the Preparation of Transmucosal or Transdermal Patches with Acyclovir and Lidocaine. Polymers 2021, 13, 3596. https:// doi.org/10.3390/polym13203596
	33. Dragomirescu M, Vintila T, [Vlase T,](https://www-webofscience-com.am.e-nformation.ro/wos/author/record/42566325) [Mihali CV](https://www-webofscience-com.am.e-nformation.ro/wos/author/record/2213886), Preda G. Microbial cellulases immobilized in biopolymer/silica matrices used as enzyme release systems(2021) ACTA BIOCHIMICA POLONICA 68 (4), pp.775-783

* 1. [Croitor, L](https://www.webofscience.com/wos/author/record/37477706) ; [Petric, M](https://www.webofscience.com/wos/author/record/48177040) ; [Crisan, L](https://www.webofscience.com/wos/author/record/1205229) ; [Bourosh, PN](https://www.webofscience.com/wos/author/record/36117267) ; [Vlase, G](https://www.webofscience.com/wos/author/record/33728484) ; [Crisan, M](https://www.webofscience.com/wos/author/record/48369414). Effect of substituents on the crystal structure and thermal stability of N-phosphorylated iminophosphoranes 2022 JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 147 (9) , pp.5423-5435, DOI 10.1007/s10973-022-11201-1, Early Access FEB 2022
	2. [Croitor, L](https://www.webofscience.com/wos/author/record/37477706); [Vlase, G](https://www.webofscience.com/wos/author/record/33728484) ; [Vlase, T](https://www.webofscience.com/wos/author/record/42566325) ; [Bourosh, PN](https://www.webofscience.com/wos/author/record/36117267) ; [Chumakov, YM](https://www.webofscience.com/wos/author/record/43992439) ; [Crisan, M.](https://www.webofscience.com/wos/author/record/48369414) Relationship between crystal structure and thermal properties of polymorphic system methylethanolammonium 2-chloro-4-nitrobenzoate. 2022 JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 147 (9) , pp.5437-5449, DOI 10.1007/s10973-022-11263-1,
	3. Dan Vlase; Titus Vlase; Mădălin Bunoiu; Paula Sfîrloagă; Alexandra‑Gabriela Ursuţ; Gabriela Vlase; Characteristics of late Neolithic pottery of the Zau culture: analysis of pottery samples from Iernut‑Site II (Mures County, Romania). 2022 Journal of Thermal Analysis and Calorimetry, (2022) 147:5351–5363 <https://doi.org/10.1007/s10973-022-11261-3>
	4. Gabriela Vlase; Dan Vlase; Iosif Vasile Ferencz; Paula Sfîrloagă; Dorel Micle; Florin Manea; Titus Vlase; Comparative thermal and hyphenated analysis of different mortars samples from Deva region. 2022 Journal of Thermal Analysis and Calorimetry, (2022) 147:5365–5376; <https://doi.org/10.1007/s10973-022-11262-2>
	5. [Manea, F.,](https://www-scopus-com.am.e-nformation.ro/authid/detail.uri?origin=resultslist&authorId=57539049800&zone) [Ghicioi, E.,](https://www-scopus-com.am.e-nformation.ro/authid/detail.uri?origin=resultslist&authorId=36176003000&zone) [Suvar, M.C.,](https://www-scopus-com.am.e-nformation.ro/authid/detail.uri?origin=resultslist&authorId=55501723600&zone) (...), [Suvar, N.S.,](https://www-scopus-com.am.e-nformation.ro/authid/detail.uri?origin=resultslist&authorId=57215881857&zone) [Vlase, T.,](https://www-scopus-com.am.e-nformation.ro/authid/detail.uri?origin=resultslist&authorId=8408624800&zone) [FDS Results for Selecting the Right](https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85144734895&origin=resultslist&sort=plf-f&src=s&st1=Vlase&st2=Titus&nlo=1&nlr=20&nls=afprfnm-t&sid=abe76ffa7256e3628fe207331aea90b6&sot=anl&sdt=aut&sl=29&s=AU-ID%28%22Vlase%2c%2BT.%22%2B8408624800%29&relpos=0&citeCnt=0&searchTerm) [Scenario in the Case of a Building Fire: A Case Study.](https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85144734895&origin=resultslist&sort=plf-f&src=s&st1=Vlase&st2=Titus&nlo=1&nlr=20&nls=afprfnm-t&sid=abe76ffa7256e3628fe207331aea90b6&sot=anl&sdt=aut&sl=29&s=AU-ID%28%22Vlase%2c%2BT.%22%2B8408624800%29&relpos=0&citeCnt=0&searchTerm) (2022) [Fire](https://www-scopus-com.am.e-nformation.ro/sourceid/21101020133?origin=resultslist) 5(6),198
	6. Mihaela Maria Budiul, Cristina Adela Marioane, Ionela-Amalia Bradu, Gabriela Vlase, Titus Vlase, [FTIR](https://link-springer-com.am.e-nformation.ro/article/10.1007/s10973-022-11882-8) [and thermal studies of medicated jellies with topiramate,](https://link-springer-com.am.e-nformation.ro/article/10.1007/s10973-022-11882-8) (2022) Journal of Thermal Analysis and Calorimetry, 148(10), pp. 4589-4600, [https://doi.org/10.1007/s10973-022-11882-8,](https://doi.org/10.1007/s10973-022-11882-8)
	7. Okolisan D., [Vlase, G](https://www.webofscience.com/wos/alldb/general-summary?queryJson=%5B%7B%22rowBoolean%22%3Anull%2C%22rowField%22%3A%22AU%22%2C%22rowText%22%3A%22Vlase%2C%20Gabriela%22%7D%5D&eventMode=oneClickSearch)., [Vlase, T](https://www.webofscience.com/wos/alldb/general-summary?queryJson=%5B%7B%22rowBoolean%22%3Anull%2C%22rowField%22%3A%22AU%22%2C%22rowText%22%3A%22Vlase%2C%20Titus%22%7D%5D&eventMode=oneClickSearch)., [Avram, C.](https://www.webofscience.com/wos/alldb/general-summary?queryJson=%5B%7B%22rowBoolean%22%3Anull%2C%22rowField%22%3A%22AU%22%2C%22rowText%22%3A%22Avram%2C%20Claudiu%22%7D%5D&eventMode=oneClickSearch) Preliminary Study of kappa-Carrageenan Based Membranes for Anti- Inflammatory Drug Delivery, (2022) Polymers 14(20) 4275-4275
	8. Mateescu, Mădălina, Vlase, Gabriela, Budiul, Mihaela Maria, Cernuşcă, Bianca Denisa, Vlase, Titus, Preliminary study for preparation and characterization of medicated jelly based on Ibuprofen or Ambroxol, Journal of Thermal Analysis and Calorimetry, Volume 148, Issue 10, Pages 4601 - 4614May 2023
	9. Lozovan Vasile; Kravtsov Victor Ch; Chumakov Yurii M; Costriucova Natalia V; Siminel Nikita; Petuhov Oleg; Vlase Titus; Vlase Gabriela; Barba Alic; Fonari Marina S. Zn(II) and Cd(II) Metal-Organic Frameworks with Azine-Functionalized Pores: Crystal Structures, Photoluminescence, Solvent Exchange, and Molecular Simulations of Carbon Dioxide Binding Sites, Crystal Growth and Design, Volume 23, Issue 5, Pages 3171 - 31853 May 2023.
	10. Bengescu Cosmina; Ledeți, Adriana; Olariu Tudor; Cîrcioban Denisa; Muntean Cornelia, Vlase Gabriela; Vlase Titus; Tomoroga Carmen; Dragomirescu Anca Octavia; Dascălu Daniela; Șuta Lenuța-Maria; Ledeți Ionuț. Instrumental investigations of promestriene: first report regarding the solid-state characterization and compatibility with pharmaceutical excipients, Journal of Thermal Analysis and CalorimetryVolume 148, Issue 10, Pages 4641 – 4649, May 2023.
	11. Segneanu, Adina-Elena, Vlase, Gabriela; Vlase, Titus; Sicoe, Crina Andreea, Ciocalteu, Maria Viorica; Herea, Dumitru Daniel; Ghirlea, Ovidiu-Florin; Grozescu, Ioan; Nanescu, Valentin,  [Wild-Grown Romanian Helleborus purpurascens Approach to Novel Chitosan Phyto-Nanocarriers—Metabolite Profile and Antioxidant Properties](https://0610eagaw-y-https-www-scopus-com.z.e-nformation.ro/record/display.uri?eid=2-s2.0-85173862271&origin=resultslist&sort=plf-f&src=s&st1=Vlase&st2=G&nlo=1&nlr=20&nls=afprfnm-t&sid=89f0d1feb6bf268c59ce5a6b194e5f61&sot=anl&sdt=aut&sl=68&s=AU-ID%28%22Vlase%2c+G.%22+6506612525%29+OR+AU-ID%28%22Vlase%2c+Gabriela%22+6506612526%29&relpos=0&citeCnt=0&searchTerm=), Plants*,*2023,12*,* Article number 3479.
	12. Baul Bianca; Ledeţi Adriana; Cîrcioban Denisa; Ridichie Amalia; Vlase Titus;Vlase Gabriela;Peter Francisc;Ledeţi Ionuţ, Thermal Stability and Kinetics of Degradation of Moxonidine as Pure Ingredient vs. Pharmaceutical Formulation, Processes, 2023, 11(6), Article number 1738.
	13. Vlase Dan; Vlase Gabriela, Ursuţ Gabriela; Sfirloaga Paula; Manea Florin; Budiul Mihaela; Rotaru Andrei; Vlase Titus. [The in-depth study of Romanian prehistoric ceramics: Late Neolithic/Eneolithic pottery and clay materials from the Foeni Tell-Orthodox cemetery in Timiş county](https://0610eagaw-y-https-www-scopus-com.z.e-nformation.ro/record/display.uri?eid=2-s2.0-85149636766&origin=resultslist&sort=plf-f&src=s&st1=Vlase&st2=G&nlo=1&nlr=20&nls=afprfnm-t&sid=89f0d1feb6bf268c59ce5a6b194e5f61&sot=anl&sdt=aut&sl=68&s=AU-ID%28%22Vlase%2c+G.%22+6506612525%29+OR+AU-ID%28%22Vlase%2c+Gabriela%22+6506612526%29&relpos=5&citeCnt=0&searchTerm=), Ceramics International, 2023, 49(9), Pages 14941 - 149561 May 2023.
	14. Budiul Mihaela Maria; Marioane Cristina Adela;Bradu, Ionela-Amalia;Vlase Gabriela,Vlase Titus.[FTIR and thermal studies of medicated jellies with topiramate](https://0610eagaw-y-https-www-scopus-com.z.e-nformation.ro/record/display.uri?eid=2-s2.0-85145078664&origin=resultslist&sort=plf-f&src=s&st1=Vlase&st2=G&nlo=1&nlr=20&nls=afprfnm-t&sid=89f0d1feb6bf268c59ce5a6b194e5f61&sot=anl&sdt=aut&sl=68&s=AU-ID%28%22Vlase%2c+G.%22+6506612525%29+OR+AU-ID%28%22Vlase%2c+Gabriela%22+6506612526%29&relpos=7&citeCnt=0&searchTerm=), Journal of Thermal Analysis and Calorimetry, 2023, 148(10), Pages 4589 - 4600.
	15. Circioban Denisa; Ledeţi Ionuţ; Vlase Titus; Rusu Gerlinde; Ledeţi Adriana; Vlase Gabriela.[Stability evaluation and kinetic study for the atypical antidepressant opipramol](https://0610eagaw-y-https-www-scopus-com.z.e-nformation.ro/record/display.uri?eid=2-s2.0-85159700849&origin=resultslist&sort=plf-f&src=s&st1=Vlase&st2=G&nlo=1&nlr=20&nls=afprfnm-t&sid=89f0d1feb6bf268c59ce5a6b194e5f61&sot=anl&sdt=aut&sl=68&s=AU-ID%28%22Vlase%2c+G.%22+6506612525%29+OR+AU-ID%28%22Vlase%2c+Gabriela%22+6506612526%29&relpos=8&citeCnt=1&searchTerm=). Journal of Thermal Analysis and Calorimetry, 2023, (Article in press)
	16. Mihaela Budiul, Madalina Mateescu, Gabriela Vlase, Titus Vlase, Simona Bocanici, Ionela Bradu, Thermoanalytical and spectroscopic studies on medicated jellies with perphenazine. J. Serb. Chem. Soc. 2023 (Article in press)
	17. Dorinel OKOLIŠAN, Titus VLASE, Gabriela VLASE, Ionela-Amalia BRADU, Claudiu AVRAM. Thin polysaccharide films as carriers for local anesthetic drugs, Journal of Thermal Analysis and Calorimetry, 2023 (Article in press), **DOI :**10.1007/s10973-023-12635-x
1. Articole BDI
	1. Vlase, T., Jurca Gabriela and Doca, N.,"Study of the support effect by non-isothermal kinetics. I. Decomposition of ammonium metavanadate supported on carborundum", Annals of West Univ. of Timişoara, 6 (1997), 119-128
	2. Vlase, T., Jurca Gabriela and Doca, N, "Study of the support effect by non-isothermal kinetics. II. Decomposition of ammonium metavanadate supported on silica", Annals of West Univ. of Timişoara, 6 (1997), 129-136
	3. Vlase, T., Jurca Gabriela and Doca, N., “Study of the support effect by Non-isothermal kinetics.Molibdyc acid on carborundum and silica”, Annals of West Univ. of Timişoara, Ser. Chem., 7 (1998), 1-6.
	4. Vlase, T., Jurca Gabriela and Doca, N., “Study of the support effect by non-isothermal kinetics.Support effect at the thermal decomposition of some catalyst precursors”, Annals of West Univ. of Timişoara, Ser. Chem., 7 (1998), 7-14.
	5. Vlase, T., Jurca Gabriela and Doca, N., “Study of the support effect by non-isothermal kinetics.V. Some criteria for deciding upon the support effect”, Annals of West Univ. of Timişoara, Ser. Chem., 7 (1998), 15-22.
	6. Vlase, T., Tudose, Ramona, Jurca Gabriela, Costişor Otilia and Doca, N.,“Non-isothermal decomposition kinetics of some complexes I. Thermal behavior of complexes containing Mannich- basis as ligands”, Annals of West Univ. of Timişoara, Ser. Chem., 7 (1998), 23-30
	7. Vlase, T., Jurca Gabriela, Doca, N.,"Support effect by non-isothermal decomposition of copper carboxilates", Annals of West Univ. of Timişoara, Ser. Chem., 10(2) (2001), 729-736.
	8. Vlase,T., Jurca Gabriela, Doca, N.,"Non-isothermal kinetics by decomposition of some d and f metal carboxilates", Annals of West Univ. of Timişoara, Ser. Chem., 10(3) (2001), 951-954.
	9. Vlase, T., Jurca Gabriela, Doca, N., "Compensation effect in the reaction of solids", Annals of West Univ. of Timişoara, Ser. Chem., 10(3) (2001), 955-956
	10. Vlase, T., Vlase, G., Doca, N., "Specificity of energy transfer by non-isothermal conditions”, Annals of West University of Timişoara, ser. chem, 11(1) (2002) 27 – 36
	11. Vlase, T., Vlase, G., Chiriac, A., Doca, N., “Compensation effect by thermal decomposition of organic salts of some d and f metals”, Annals of West University of Timişoara, ser. chem, 12(1) 2003, 23-32
	12. Vlase, T.,Vlase, G., Doca, N., “Kinetic of non-isothermal decomposition of some pharmaceuticals and food additives”, Annals of West University of Timişoara, ser. chem, 12(1) 2003, 15-22.
	13. Vlase, T., Vlase, G., Chiriac, A., Doca, N., “Comparation of the kinetic parameter values obtaining by different procesing methods of the non-isothermal data”, Annals of West University of Timişoara, ser. chem, 12(3) (2003) 301 – 304
	14. Vlase, T., Vlase, G., Chiriac, A., Doca, N., “Processing of the TG data by using the NPK methods”, Annals of West University of Timişoara, ser. chem, 12(3) (2003) 305 – 310
	15. Vlase, T., Vlase, G., Chiriac, A., Doca, N., “NPK Methods in non-isothermal kinetics by decomposition of low alyphatic carboxilate of some d and f metals”, Annals of West University of Timişoara, ser. chem, 12(3) (2003) 311 – 314.
	16. Vlase, T., Vlase, G., Chiriac, A., Doca, N., “Kinetics of thermal decomposition of some food additives and pharmaceuticals under

non-isothermal conditions”, Annals of West University of Timişoara, ser. chem, 12(3) (2003) 315 – 320

* 1. Muntean Cornelia,Vlase, T., Vlase, G., Iovi A., “Non-isothermal kinertic of a phosphates and nitrates mixture used as fertilizer”, Annals of West University of Timişoara, ser. chem, 12(3) (2003) 325 – 330
	2. Muntean Cornelia, Vlase, T., Vlase, G., Negrea P., “Comparison between isothermal and non- isothermal decomposition of some nitrates-phosphates fertilizers”, Annals of West University of Timişoara, ser. chem, 12(3) (2003) 331 – 338
	3. Vlase, G., Birta, N., Doca, N., “Thermal behavior of some sorbitol derivatives used as food additives”, Annals of West University of Timişoara, ser. chem, 12(3) (2003) 321 – 324.
	4. Băbăiţă Carmen, Vlase. T., Vlase Gabriela,“Kinetic Analysis on Thermal Decomposition of the Zinc Pyrofosphates Obtained from the System Na4P2O7-ZnSO4”, Annals of West University of Timişoara, ser. chem, 12(1) (2003) 121.
	5. Iolanda Tolan, Gabriela Vlase, Carmen Alexandra Grigorie, T. Vlase, Iulia Ceban, “Thermal behavior of simulated flour under

non-isothermal conditions”Annals of West University of Timişoara, ser. chem, 21(2) (2012) 103-112

* 1. Iolanda Tolan, Gabriela Vlase, Iulia Ceban, T. Cianga Carmen Alexandra Grigorie, “Study of thermally induced interactions between benzoic acid and the main compounds of wheat flour”Annals of West University of Timişoara, ser. chem, 22(3,4) (2013) 1- 10.
	2. Iulia Ceban, Iolanda Tolan, Dora Rasadean, Gabriela Vlase, T. Vlase, “Impact of ascorbic acid on the thermal stability of hydrated wheat gluten”Annals of West University of Timişoara, ser. chem, 22(3,4) (2013) 11-21.
	3. Paul Albu, Gabriela Vlase, Titus Vlase “Study of a Bioactive Hydroxiapatite/Gelatin Composite. Part I.- Synthesis and Characterization of the material. New Front.Chem. (2015) 24(1): 47-53
	4. Andreea Nadaban, Gabriela Vlase “ The synthesis and Study of some Complexes of Methylenedisalicilic Acid, New

Front.Chem. (2015) **24(1)**: 55-60

* 1. Iolanda Tolan, Gabriela Vlase, Iulia Ceban, T. Gianga, Alexandra Carmen Grigorie, Study of thermal induced interactions between benzoic acid and the main compounds of wheat flour, *Annals of West University of Timisoara, Series Chemistry* **22 (3- 4)(**2013) 1-10.
	2. Iulia Ceban, Iolanda Tolan, Dora Rasadean, Gabriela Vlase, Titus Vlase, Impact of ascorbic acid on the thermal stability of hydrated wheat gluten, *Annals of West University of Timisoara, Series Chemistry* **22 (3-4)(**2013) 11-21
	3. C. Bolcu, Dorina Modra, T. Vlase, Corina Duda-Seiman, Gabriela Vlase, Synthesis od additives obtained from organo-silicon compounds used from the addition of polyurethane films, *Annals of West University of Timisoara, Series Chemistry* **21 (1)(**2012) 39- 51.
	4. Dorina Modra, C. Bolcu, T. Vlase, Corina Duda-Seiman, Gabriela Vlase, New additives for organic-inorganic composites, *Annals of West University of Timisoara, Series Chemistry* **21 (1)(**2012) 65-78.
	5. Iolanda Tolan, Gabriela Vlase, Carmen Alexandra Grigorie, T. Vlase, Iulia Ceban, Thermal Behavior of simulated flour under

non-isothermal conditions, *Annals of West University of Timisoara, Series Chemistry* **21 (2)(**2012) 103-113.

* 1. Albu Paul, Vlase Gabriela, Vlase Titus, “TG/DTG/DTA data used to determine the thermal behaviour of pioglitazone”, Studia Universitatis Vasile Goldis Arad, Seria Stiintele naturii **25(1)**, 2015, 55-57.
	2. Albu Paul, Ardelean D., Santa I, Vlase G., Vlase T., “Investigation of thermally induced interactions between pioglitazone and some excipients by FT-IR and DSC analysis, Studia Universitatis Vasile Goldis Arad, Seria Stiintele naturii **25(2)**, 2015, 73-78.

# Cărţi/Capitole de cărţi

1. A. Chiriac, T. Vlase, D. Cîrcioban: "Culegere de exerciţii şi probleme de cineticã chimicã", Editura "MIRTON", Timişoara 1994,(143pagini)
2. A. Chiriac V. Chiriac, T. Vlase, M. Daba, V. Chiriac: "Caiet de seminar şi lucrãri practice de chimie generalã", Editura "MIRTON", Timişoara 1994 (105 pagini).
3. N. Doca, T. Vlase, A. Chiriac: "Culegere de probleme la tehnologie chimicã generalã", Editura "MIRTON", Timişoara 1996 (ISBN 973-578-094-1), (72 pagini).
4. A.Chiriac, V.Chiriac, M.Andoni, D. Cîrcioban, Vlad Chiriac, T.Vlase, “Chimie generală. Ghid de seminar şi laborator.”, Editura “MIRTON”, Timişoara 1998, (ISBN 973-578-587-0), (139 pagini).
5. N.Doca, T.Vlase, A.Chiriac, G. Jurca, “Tehnologie chimică generală. Probleme propuse şi rezolvate”, Ed. “MIRTON”, Timişoara 2001, (ISBN 973-585-370-1), (118 pagini).
6. N.Doca, T.Vlase, G.Vlase, “Poluarea. Cauze, efecte, limitare”, Ed. “MIRTON”. Timişoara 2003, (85 pagini), (ISBN 973-661-192-2).
7. N.Doca, T. Vlase, G.Vlase, “Elemente de cataliză eterogenă”, Ed. “MIRTON”. Timişoara 2007, (146 pagini), (ISBN

978-973-52-0239-2).

1. Dorina Andru Vangheli, Adrian Neculae, Nicolina Pop, Titus Vlase, Eugenia Tulcan Paulescu, Paul Gavrilă, Silvian Fara, Dumitru Finta, “ Celule fotovoltaice nanostructurate” Editura Universităţii de Vest, Timişoara 2007, ISBN 978- 973-125-110-3 (coautor capitol)
2. Gabriela Vlase, Nicolae Doca, Titus Vlase, “Elemente de chimie coordinativă”, Ed. “MIRTON”. Timişoara 2009, (156 pagini), ISBN 978-973-52-0580-5
3. **Titus Vlase**, Gabriela Vlase, Nicolae Doca, “Poluanţi Anorganici: Surse, Analize, Diminuare” Ed. Mirton Timişoara 2012, ISBN: 978-973-52-1220-9 (150 pag.)
4. Analiza termica-Fundamente si aplicatii- Analiza cinetica a transformarilor heterogene, E. Segal, P. Budrugeac, O. Carp, N. Doca, C. Popescu, T. Vlase, Ed. Acad. Rom., Bucuresti 2013 – Capitol 7: Metoda NPK (**T.Vlase**, N. Doca)

# Lista GRANT-uri

1. Contract C.N.C.Ş.U. nr 4012/1995 (4.3.9/2210.09/1995) Tema B2: “Transferul selectiv de energie între faza gazoasã şi cea solidã: aplicaţii la cataliza eterogenã şi încãlzirea cu microunde”, membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).
2. Contract C.N.C.Ş.U. nr 5012/1996 (Tema 3/17.1/1.187/1996): “Transferul selectiv de energie între faza gazoasã şi cea solidã: aplicaţii la cataliza eterogenã şi încãlzirea cu microunde”, membru T.Vlase (Director proiect Prof.dr.ing.N.Doca:.
3. Contract C.N.C.Ş.U. nr 7012/1997 (15/1070) Tema B2: “Transferul selectiv de energie între faza gazoasã şi cea solidã: aplicaţii la cataliza eterogenã şi încãlzirea cu microunde”, membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).
4. Contract C.N.C.Ş.U. 21/1998 4/28, cu titlul: “Transferul selectiv de energie între faza gazoasã şi cea solidã: aplicaţii la comportarea cataliticã şi la efectele de suport ale heteropoliacizilor”, membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).
5. Contract C.N.C.S.Î.S 1999, cod 95, comisia 1, cu titlul: “Transferul selectiv de energie între faza gazoasã şi cea solidã: aplicaţii la efectele de suport şi la descompunerea unor precursori complecşi.”, membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).
6. Contract 3525/2000 tema 12 cod 835 ”Transferul energetic selectiv interfazic; Aplicaţii privind efectul de suport şi la descompunerea unor precursori”, membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).
7. Contract /2001 tema 16 cod 372 „Cinetica de neechilibru. Studiul transferului energetic selectiv”, membru T.Vlase (Director proiect Prof. dr.ing . N.Doca).
8. Contract **6190/2000 GRANT tip T ANSTI, tema B3**: Efectul de compensare şi efectul de suport la descompunerea unor precursori, **responsabil GRANT Vlase Titus.**
9. Contract **6190/1/2001 GRANT tip T ANSTI, tema A1**: Efectul de compensare şi efectul de suport la descompunerea unor precursori, **responsabil GRANT Vlase Titus.**
10. Contract C.N.C.S.I.S. /2003 tema 2 cod 869 „Stabilitatea termică a substanţelor de interes farmacologic şi alimentar”, membru T.Vlase (Director proiect Prof. dr.ing . N.Doca).
11. GRANT C.N.C.S.I.S. 32944 /2004, cod 869, „Stabilitatea termică a substanţelor de interes farmacologic şi alimentar”, membru T.Vlase (Director proiect Prof. dr.ing . N.Doca).
12. GRANT C.N.C.S.I.S. /2005, cod 869, „Stabilitatea termică a substanţelor de interes farmacologic şi alimentar”,

membru T.Vlase (Director proiect Prof. dr.ing . N.Doca).

1. Contract CEEX-MENER 633/03.10.2005 „Comportarea termică a materialelor cu impact asupra mediului”(14,3 miliarde-36 luni) – **Responsabil tema T. Vlase** la Coordonatorul de proiect U.V.T, Director – Prof.dr. N.Doca
2. Contract CEEX 247/1/2006: NANOPV – Cercetari privind cresterea eficientei celulelor fotovoltaice nanostructurate Perioada: 2006 – 2008 Valoare: 260 000 lei - membru Conf. dr. ing.T.Vlase -Responsabil temă UVT- Paulescu Marius
3. Contract MATNANTECH 82/1/2006 Hibrizi organici-anorganici cu proprietăţi speciale pe bază de compuşi organofosforici (1,2 miliarde- 28 luni) – **Partener 1-UVT Responsabil temă Conf. dr. ing.T.Vlase**

PN-II, Idei 2008, Cod CNCSIS 2376, 2009-2011, Contract 574/2009, UTILIZAREA TEHNICILOR TERMOANALITICE CUPLATE

SI A METODELOR CINETICE LA EVALUAREA RISCURILOR ECOTOXICOLOGICE LA TERMODEGRADAREA POLIMERILOR, MEDICAMENTELOR SI ADITIVILOR ALIMENTARI 1.000.000 RON, **Director Conf. dr. T.Vlase**

1. POS CCE operatiunea O 2.1.1. “Cresterea competitivitatii economice”,cod SMIS – CSNR 11805, Contract 231/16.08.2010, SC Quantic Speciality - UVT , 800000 RON – membru Conf. dr. ing.T.Vlase, Responsabil UVT Conf.dr.ing. C.Bolcu
2. POSCCE Grant nr. 12PO102418/5124/22.05.2014, SMIS 50328:”Noi tehnologii eficace energetic pentru sinteza unor copolimeri esterici” – Resp. UVT. (1054075 lei) – membru Conf. dr. ing.T.Vlase, Responsabil UVT Conf.dr.ing. C.Bolcu
3. POS-CCE ‘‘BASEURES’’ 210/2010 ‘‘Bast plants-renewable strategic resources for european economy’’, Research Development Innovation in Natural and Technical Sciences Institute of ‘‘Aurel Vlaicu’’ University, Arad, member Conf. dr. T.Vlase
4. 2016-2017:Noi derivați carboxilici aromatici non-toxici cu rol în reglarea creșterii plantelor: de la sinteză și investigații structurale la teste biologice, CarePlant, PN III, bilateral project between Republic of Moldova and Romania, 16.80013.5007.04/Ro, Sursa de finantare UEFISCDI, **Responsabil UVT –Prof.dr.Vlase Titus,** Coordonator Proiect - Intitutul de Chimie Timișoara al Academiei Română, Dr. Chim. Crișan Manuela
5. Project for scientific cooperation **JINR-Romania 2019- Projects nos. 396/27.05.2019 item 49/theme *04-4- 1121-2015/2020****.* Investigation of thermal properties of magnetic elastomers by means of differential scanning calorimetry (DSC) and thermal gravimetric analysis (TGA) Cooperation protocol number between JINR and Romania: 4722-4- 2015/2020. **Responsible from Romania: VLASE Titus**.West University of Timisoara
6. Project for scientific cooperation JINR-Romania 2020 Projects nos. 268**/**20.05.2020 item 48/Theme: *04-4-1121-*

*2015/2020****.*** Investigation of Thermal Properties of Magnetic Elastomers and Composite Membranes with Technical and Medical Applications by Means of Thermal Gravimetric Analysis (TGA), Differential Scanning Calorimetry (DSC), Thermomechanical Analyzer (TMA) and FTIR Spectroscopy. Cooperation protocol number between JINR and Romania: 4722-4- 2015/2020. Responsible from Romania: VLASE Titus.West University of Timisoara

1. Project for scientific cooperation JINR-Romania 2021 Projects nos. 268**/**20.05.2020 item 108/Theme:

04-4-1142-2021/2025: Investigation of thermal properties of new magnetoreological, magnetic elastomers and other multifunctional composites for technical applications by means of TGA, DSC, TMA and FT-IR methods Cooperation protocol number between JINR and Romania: 04-4-1142-2021/2025. Responsible from Romania: VLASE Titus.West University of Timisoara

1. **Proiecte pentru clustere de inovare 2021, APEL 3, Cod apel POC/975/1/1/Mari infrastructuri de CD,** RNMC - Centrul de cercetare și inovare în industrializare durabilă (RNMC - CCIID) - ASOCIATIA ROMANIAN NEW MATERIALS CLUSTER (UVT-membru fondator) T.Vlase reprzentant UVT – vicepresedinte CA (9,860,608.97-buget nerambursabil)- iunie 2022
2. HORIZON-MSCA-2022-SE-01-01 : PHENOCYCLES ; 101131420 in curs de implementare (total 464000 euro- UVT 46000 euro) Participant contact: T.Vlase

# Congrese şi Conferinţe Internationale

1. T.Vlase, Gabriela Jurca and N. Doca, “Support effect at the thermal decomposition of some catalyst precursors”, ESTAC – 7, European Symposium on Thermal Analysis and Calorimetry, 30 Aug – 4 Sept., 1998, Balatonfüred, Hungary, p. 160
2. O.Costişor, R.Tudose, T.Vlase, N. Doca and G.Jurca, “Thermal stability of complexes containing Manich – Bases as ligands”, ESTAC – 7, European Symposium on Thermal Analysis and Calorimetry, 30 Aug – 4 Sept., 1998, Balatonfüred, Hungary, p. 59.
3. G.Jurca, T.Vlase, N. Doca, “Non isothermal decomposition of some complexes and organic salts”, The XIII-th Conference

“Physical Methods in Coordination and Supramolecular Chemistry”, Chişinău, 7-10 September 1999, p. 98

1. T.Vlase, G.Jurca, N. Doca, “Study on supported catalyst precursors by processing the thermogravimetric data”, The XIII-th Conference “Physical Methods in Coordination and Supramolecular Chemistry”, Chişinău, 7-10 September 1999, p. 140.
2. T.Vlase, G.Jurca, N. Doca, “The effect of the support by the thermal decomposition of some catalyst precursors”, Calorimetry and Thermal Effects in Catalysis, Lyon, France, July 4 – 7 2000, p. 25.
3. T.Vlase, G.Jurca, N. Doca, “Non-isothermal kinetics by decomposition of some catalyst precursors”, Calorimetry and Thermal Effects in Catalysis, Lyon, France, July 4 – 7 2000, p.26.
4. T.Vlase, G.Vlase, A.Chiriac and N.Doca, “The influence of concentration and anion nature on the support effect”, ESTAC – 8, European Symposium on Thermal Analysis and Calorimetry, 25 - 29 Aug, 2002, Barcelona, Spain, p. 52
5. T.Vlase, G.Vlase, A.Chiriac and N.Doca, “Non-isothermal kinetics and ft-ir studies by decomposition of organics salts of some d

and f metals”, ESTAC – 8, European Symposium on Thermal Analysis and Calorimetry, 25 - 29 Aug, 2002, Barcelona, Spain, p. 52.

1. T.Vlase, M.Doca, G.Vlase, O.Bizerea and N.Doca, “Specificity by decomposition of solids in non- isothermal conditions”, ESTAC

– 8, European Symposium on Thermal Analysis and Calorimetry, 25 - 29 Aug, 2002, Barcelona, Spain, p. 63.

1. N.Doca, T.Vlase, G.Vlase, A.Chiriac, “On the step by step variation of the free enthalpy by thermal decompositions of solids”,

The Ist International Conference of the Moldavian Chemical Society, 6-8 October 2003, Chisinau, Moldova, p. 82.

1. Cornelia Muntean, T.Vlase, Gabriela Vlase, N.Doca, “Non-isothermal kinetic and FT-IR studies of some phosphates and nitrates mixtures used as fertilizers”, The Ist International Conference of the Moldavian Chemical Society, 6-8 October 2003, Chisinau, Moldova, p. 94.
2. T.Vlase, Gabriela Vlase, A.Chiriac and N.Doca, “NPK method by non-isothermal decomposition of some food additives”, The Ist International Conference of the Moldavian Chemical Society, 6-8 October 2003, Chisinau, Moldova, p. 116
3. T.Vlase, Gabriela Vlase and N.Doca, “Comparative studies of the different processing methods in non-isothermal kinetic”, The Ist International Conference of the Moldavian Chemical Society, 6-8 October 2003, Chisinau, Moldova, p. 117
4. T.Vlase, G.Vlase, A.Chiriac, N.Doca, "About compensation effect by thermal decomposition of some catalyst precursors", 13th International Congres on Thermal Analysis and Calorimetry, ICTAC 13, September 12-19, 2004, Chia Laguna, Italia, p. 38
5. T.Vlase, G.Vlase, N.Doca, "Processing of non-isothermal TG data. Comparative kinetic analysis with NPK method", 13th International Congres on Thermal Analysis and Calorimetry, ICTAC 13, September 12- 19 2004, Chia Laguna, Italia, p. 39
6. T.Vlase, G.Vlase, N.Doca, "Thermal stability of food aditives of glutamate and benzoate type", 13th International Congres on Thermal Analysis and Calorimetry, ICTAC 13, September 12-19 2004, Chia Laguna, Italia, p.254
7. T.Vlase, G.Vlase, N.Doca, "Kinetics of thermal decomposition of alkaline phosphates", 13th International Congres on Thermal Analysis and Calorimetry, ICTAC 13, September 12-19 2004, Chia Laguna, Italia, p.379
8. D.Tiţa, Gabriela Vlase, B.Tiţa, N.Doca\*, Nicoleta Birta, T. Vlase, “Comparative kinetic study by decomposition of some diazepine derivates under isothermal and non-isothermal conditions”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug.2006, KRACOW, Poland, p. 102, ISBN 83-89541-74-2
9. Nicoleta Birta, N.Doca, Gabriela Vlase, T. Vlase, “Comparative kinetic study by isothermal and non- isothermal decomposition of sorbitol”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug.2006, KRACOW, Poland, p. 30, ISBN 83-89541-74-2
10. T. Vlase, Gabriela Vlase, , Nicoleta Birta, N. Doca, “Comparative results of kinetic data obtained with different methods for complex decomposition steps”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug. 2006, KRACOW, Poland, p. 108, ISBN 83-89541-74-2
11. B.L. Jurconi, N. Doca, T. Vlase, “Evaluation of oily soil biodegradability by means of thermoanalytical methods”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug.2006, KRACOW, Poland, p. 39, ISBN 83-89541-74-2
12. Loredana Feher, Gabriela Vlase, T. Vlase, N. Doca, “Kinetic decomposition of an synthetic oily soil adsorbed on different silico- alumina”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug.2006, KRACOW, Poland, p. 90, ISBN 83-89541-74-2
13. Gabriela Vlase, T. Vlase, Ramona Tudose, Otilia Costişor, N. Doca, “Kinetic of decomposition of some complexes under non- isothermal conditions”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug. 2006, KRACOW, Poland,

p. 106, ISBN 83-

89541-74-2

1. Alexandra Ioiţescu, Gabriela Vlase, T. Vlase, N. Doca, “Kinetics of decomposition of different acid calcium phosphates”, ESTAC- 9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug.2006, KRACOW, Poland, p. 243, ISBN 83-89541-74-2
2. Gabriela Vlase, B.Tiţa, N.Doca, Nicoleta Birta, D.Tiţa, T. Vlase, “Non-isothermal kinetics by decomposition of some diazepine derivatives”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug. 2006, KRACOW, Poland, p. 103, ISBN 83-89541-74-2
3. B. Tiţa, Gabriela Vlase, Daniela Oneţiu, Mariana Doca, D.Tiţa, T.Vlase, N.Doca, “Thermal behaviour of active compounds vs. pharmaceuticals by some diazepine”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug.2006, KRACOW, Poland, p. 61, ISBN 83-89541-74-2
4. T. Vlase, Gabriela Vlase, Dorina Modra, N.Doca, “Thermal behaviour of some industrial and food dyes”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug.2006, KRACOW, Poland, p. 27, ISBN 83-89541-74-2
5. C. Păcurariu, R.I. Lazău, I. Lazău, T.Vlase, “Kinetic studies of crystallization process of one glass ceramics based on basalt”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug.2006, KRACOW, Poland, p. 107, ISBN 83-89541- 74-2
6. G.Vlase, T.Vlase, N. Doca, G. Ilia, M. Perţa, “Estimation Of Flame Retardant Efect By Means Of Thermal Analysis”, The 8th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2007), Palermo, Italy, Sept. 2007, p.226

30 G.Vlase, T.Vlase, N. Doca, “Thermal behavior of some phenitoine pharmaceuticals”, The 8th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2007), Palermo, Italy, Sept. 2007, p. 95

1. T.Vlase, N. Doca, G.Vlase, C.Bolcu, “Kinetics of Non-isothermal Decomposition of Three IRGANOX-type Antioxidants”, The 8th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2007), Palermo, Italy, Sept. 2007, p. 224
2. T.Vlase, N. Doca, G.Vlase, F.Borcan, “Thermal Behavior of Polyurethanes Stabilized with IRGANOX-type Antioxidants”, The 8th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2007), Palermo, Italy, Sept. 2007, p. 225
3. N. Doca, G.Vlase, T.Vlase, G. Ilia, A. Ioiţescu, “Kinetics by Non-isothermal Decomposition of Phenyl- vinyl-phosphoric Acid and Some of its Salts”, The 8th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2007), Palermo, Italy, Sept. 2007, p. 206
4. T.Vlase, G.Vlase, N. Doca, “Kinetics of non-isothermal decomposition of some phosphoric acid derivatives supported on TiO2”, The 8th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2007), Palermo, Italy, Sept. 2007, p. 205
5. N.Pop, G.Vlase, T.Vlase, N. Doca, “Compensation Effect as a Consequence of Vibrational Energy Transfer in Homogeneous and Isotropic Heat Field”, The 8th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2007), Palermo, Italy, Sept. 2007, p. 153
6. A. Mogos, T.Vlase, G.Vlase, N. Doca , S. Iliescu, G. Ilia, Thermal behavior of phosphorus- chain polymers, The 8th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2007), Palermo, Italy, Sept. 2007, p. 177
7. Nicolina Pop, Gabriela Vlase, Titus Vlase, Nicolae Doca, “Study on the mechanism of the selective activation of solids in an homogeneous and isotropic thermal field” ICTAC-14, International Symposium on Thermal Analysis and Calorimetry, Brazilia, Sept.2008
8. Gabriela Vlase, Titus Vlase, Nicolae Doca, Gheorghe Ilia, Nicoleta Plesu, “Thermal behavior of an sol- gel system containing

aniline and organic phosphonates”, ICTAC-14, International Symposium on Thermal Analysis and Calorimetry, Brazilia, Sept.2008

1. Nicolae Doca, Gabriela Vlase, Titus Vlase, Gheorghe Ilia, Nicoleta Plesu, “TG, EGA and kinetic study by non-isothermal decomposition of a polyaniline with different dispersion degree”, ICTAC-14, International Symposium on Thermal Analysis and Calorimetry, Brazilia, Sept.2008
2. Oana Stefanescu, Marcela Stoia, Mircea Stefanescu, Titus Vlase, “Study on the influence of teos-diol molar ratio on their chemical interaction during the gelation process”, ICTAC-14, International Symposium on Thermal Analysis and Calorimetry, Brazilia, Sept.2008.
3. Cornelia Pacurariu, Radu Lazau, Titus Vlase, Ioan Lazau, “Influence of the specific surface area on crystallization process kinetics of some silica gels”, ICTAC-14, International Symposium on Thermal Analysis and Calorimetry, Brazilia, Sept.2008.
4. T.Vlase, G.Vlase,C.Bolcu, N.Doca, „Thermooxidative stabilization of a MDI -polyol polyisocyanate”, 9th Mediterranean Conference on Calorimetry and Thermal Analysis MEDICTA -15-18 June Marseille, France, p. 101
5. A. Fuliaş, T. Vlase, G. Vlase, N. Doca, “Thermal behaviour of cephalexin in different mixtures”, 9th Mediterranean Conference on Calorimetry and Thermal Analysis MEDICTA -15-18 June Marseille, France, p. 43
6. T. Vlase, O. Ştefǎnescu, G. Vlase, N. Doca, M. Ştefǎnescu, “Thermal behaviour of compounds obtained by reaction between Fe(NO3)3 and low diols”, 9th Mediterranean Conference on Calorimetry and Thermal Analysis MEDICTA -15-18 June Marseille, France, p. 102
7. Oana Stefãnescu, Titus Vlase, Gabriela Vlase, Nicolae Doca , Mircea Stefãnescu, „Synthesis and characterization of new carboxylate compounds obtained in the redox reaction between Fe(NO3)3 and diols”, Abstract Book, European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p.95
8. A.M. Mogos, Nicola Pop, Gabriela Vlase, T.Vlase, N. Doca, “Investigation of reaction mechanism by correlation of DTG and IR data in evolved gas analysis technique”, Abstract Book, European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22- 27 aug.2010, Rotterdam, p. 96
9. Adriana Fulias , Gabriela Vlase, Nicolea Doca, Titus Vlase, “Thermal Behaviour of some Phenazones”, Abstract Book, European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p. 117
10. Adriana Fulias , Gabriela Vlase, Titus Vlase,Bogdan Tita, Dumitru Tita, Nicolea Doca, “Thermal behaviour of Cefadroxil monohydrate. EGA Study”, European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p. 116
11. Corina Duda-Seimann, T. Vlase , Gabriela Vlase, Rodica Cinca, N. Doca, “Thermal behaviour of Verapamile in pure and in solid dosage forms”, European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p. 264
12. Corina Duda-Seimann, T. Vlase , Gabriela Vlase, D. Duda-Seiman, N. Doca, “Thermal Analysis study of Amlodypyne as pure compound and in binary system”, European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p.265
13. Mariana Anghel, T. Vlase, P. Albu , Gabriela Vlase, N. Doca, “Thermal behaviour of Glycyrrhetinic acid”, European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p.39
14. P. Albu , C.Bolcu, G. Vlase, N. Doca T. Vlase, “Kinetics of degradation under nonisothermal conditions of a thermo-oxidative stabilized polyurethane”, European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p. 38
15. Adriana Fulias, Gabriela Vlase, Titus Vlase,Bogdan Tita, Nicolea Doca, "Comparative kinetic analysis on thermal decomposition of some Cephalosporins using TG and DSC data" European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug 2010, Rotterdam, p. 115.
16. Adriana Fuliaş. Gabriela Vlase, Titus Vlase, Nicolae Doca, Thermoanalytical study of cefadroxil and its mix1ures with different excipients, EuroAnalysis 2009, 6-10 septembrie 2009, lnnsbruck, Austria, Book of abstracts, poster P139-B1.
17. Mariana Anghel, Gabriela Vlase, T. Vlase, N. Doca, „Thermal behavior of some glycyrrhetinic and Betulinic derivatives”, 10th Mediterranean Conference on Calorimetry and Thermal Analysis MEDICTA 2011, Porto, Portugal
18. T. Vlase, P.Albu, Gabriela Vlase, C. Bolcu, E. Sisu, N. Doca, „Amminated maltose as reticulant in polyurethane synthesis”, 10th Mediterranean Conference on Calorimetry and Thermal Analysis MEDICTA 2011, Porto, Portugal
19. N. Doca, T. Vlase, Gabriela Vlase, Ozawa’s method as a compulsory step in actual kinetic analysis of non-isothermal data’’, 15- th International Congress on Thermal Analysis and Calorimetry (ICTAC 15, august 2012,Osaka, Japan), [IC-SS-PS-2](http://heserver/ictac15/Abstracts/SS/Poster/IC-SS-PS-2.pdf)
20. Gabriela Vlase, Iolanda Tolan, T. Vlase, N. Doca, “Impact of ascorbic acid on the thermal stability of hydrated wheat gluten”, 15- th International Congress on Thermal Analysis and Calorimetry (ICTAC 15, august 2012,Osaka, Japan) [IC-BF-PS-11](http://heserver/ictac15/Abstracts/I_Bio/Poster/IC-BF-PS-11.pdf)
21. Adina-Maria BODESCU, Cecilia SÎRGHIE, Titus VLASE, Nicolae DOCA, “Comparative kinetics studies of thermal decomposition of kalium, respectively natrium oxalato-oxo-diperoxo molibdate”, 15-th International Congress on Thermal Analysis and Calorimetry (ICTAC 15, august 2012,Osaka, Japan) [IC-PH- PS-22](http://heserver/ictac15/Abstracts/G_Pharma/Poster/IC-PH-PS-22.pdf)
22. Mariana Anghel, Gabriela Vlase, T. Vlase, N. Doca, ”Comparative study on the thermal behavior of two similar triterpenes from birch”, 15-th International Congress on Thermal Analysis and Calorimetry (ICTAC 15, august 2012,Osaka, Japan) [IC-PH-PS-20](http://heserver/ictac15/Abstracts/G_Pharma/Poster/IC-PH-PS-20.pdf)
23. T. Vlase, P.Albu, Gabriela Vlase, C. Bolcu, E. Sisu, N. Doca, Mariana Anghel, “Thermal behavior of some polyuretanes reticulated by aminated maltose”,15-th International Congress on Thermal Analysis and Calorimetry (ICTAC 15, august 2012,Osaka, Japan), [IC-](http://heserver/ictac15/Abstracts/F_Polymer/Poster/IC-PO-PS-8.pdf) [PO-PS-8](http://heserver/ictac15/Abstracts/F_Polymer/Poster/IC-PO-PS-8.pdf)
24. N. Doca, T. Vlase, Gabriela Vlase, “The Non Parametric Kinetic method in characterization of different materials, possibilities and limits”, 15-th International Congress on Thermal Analysis and Calorimetry (ICTAC 15, august 2012,Osaka, Japan) IC-CE-OR-6F
25. N. Popa, N. Doca, T. Vlase, C. Hatiegan, “Fermions oscillators and their connection with the isokinetic Temperature”, 15- th International Congress on Thermal Analysis and Calorimetry (ICTAC 15, august 2012,Osaka, Japan) [IC-KP-PS-3](http://heserver/ictac15/Abstracts/H_Kinetics/Poster/IC-KP-PS-3.pdf)
26. P. Albu, T. Vlase, G. Vlase, N. Doca, “Characterization by physico-chemical means of biomimetic prepared hydroxyapatite in a gelatin and pectin biopolymer matrix”, 15- th International Congress on Thermal Analysis and Calorimetry (ICTAC 15, august 2012,Osaka, Japan) [IC-BF-PS-10](http://heserver/ictac15/Abstracts/I_Bio/Poster/IC-BF-PS-10.pdf)
27. O. Stefanescu, T. Vlase, S. Sorescu, P. Barvinschi, M. Stefanescu, “Thermal behavior of Co(II) and Ni(II) carboxylate complexes obtained by two original synthesis methods”, 15- th International Congress on Thermal Analysis and Calorimetry (ICTAC 15, august 2012,Osaka, Japan) [IC-IM-PS-23](http://heserver/ictac15/Abstracts/E_Inorganic/Poster/IC-IM-PS-23.pdf)
28. N.Pop, A. Mogos, G. Vlase, T. Vlase, N. Doca, “Theoretical analysis and Experimental Evidences for Relationships between the Derivative Thermo-Gravimetric curves and the Gramm-Schmidt Profiles”, 15- th International Congress on Thermal Analysis and

Calorimetry (ICTAC 15, august 2012,Osaka, Japan) [IC-SS- PS-1](http://heserver/ictac15/Abstracts/SS/Poster/IC-SS-PS-1.pdf)

1. Gabriela Vlase, Iolanda Tolan, T. Vlase, N.Doca, “Stabilization effect of glutamic acid on wheat amidon and the wheat flour”, 11th Conference on Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p. 168
2. Adriana Fulias, Gabriela Vlase, Carmen Alexandra Grigorie, Titus Vlase, “Thermal behavior studies of procaine and Benzocaine. Kinetic Analysis”, 11th Conference on Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p. 148
3. T. Vlase, C. Bolcu, Dorina Modra, Gabriela Vlase, N. Doca, “Thermal behavior of some diisocianate- silane compounds”, 11th Conference on Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p. 167

70, Iolanda Tolan, Gabriela Vlase, T. Vlase, N. Doca, “Thermal behavior of simulated flour under non- isothermal conditions”, 11th Conference on Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p 169

1. Nicolina Pop, A.M. Mogoş, Gabriela Vlase, T. Vlase, N. Doca, “Correlation between DTG and IR data in evolved gas analysis experiments”, 11th Conference on Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p. 199
2. T. Vlase, A. Popa, G. Ilia, N. Doca, “ Thermogravimetric and spectrometric characterization of s styrene- divinylbenzen copolymer containing benzaldehide and isopropylaminophosphornic acid”, 11th Conference on Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p. 123
3. T. Vlase, G. Vlase, N. Doca, “The non-parametric kinetic method in characterization of different materials”, 11th Conference on

Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p. 82

1. P. Albu, T. Vlase, C. Grigorie, N.Doca, “Thermal behavior and kinetic study of a bioactive hydroxyapatite/gelatin composite”, 11th Conference on Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p. 85
2. Ionuţ Ledeţi, Adriana Fuliaş, Gabriela Vlase, Adrian Bobică, Titus Vlase, Nicolae Doca, “Thermal Decomposition, Kinetic Study and Evolved Gas Analysis of Fire-retardant Melamine”, CEEC-TAC 2 The 2th Central and Eastern European Committee for Thermal Analysis and Calorimetry, Vilnius, Lithuania, 27- 31 aug. 2013, PS1-30
3. Adriana Fuliaş, Ionuţ Ledeţi, Gabriela Vlase, Titus Vlase, Daniela Oneţiu, Dorel Săndesc, Nicolae Doca, Thermal Degradation and Kinetic Study for B-group Vitamins: B1, B2 and B6, CEEC-TAC 2 The 2th Central and Eastern European Committee for Thermal Analysis and Calorimetry, Vilnius, Lithuania, 27-31 aug. 2013, PS1-31.
4. Adriana Fuliaş, Ionuţ Ledeţi, Gabriela Vlase, Adrian Bobică, Titus Vlase, “Thermal Behaviour of a Modified Encapsulation Agent: Heptakis-6-iodo-6-deoxy-beta-cyclodextrin”, CEEC-TAC2, The 2-th Central and Eastern European Committee for Thermal Analysis and Calorimetry, Vilnius, Lithuania, 27-31 aug. 2013, PS1-32.
5. Ionuţ Ledeţi, Adriana Fuliaş, Maria Ilici, Vasile Bercean, Gabriela Vlase, Paul Albu, Violeta Turcuş, Titus Vlase, “Synthesis, Thermal Behaviour and Kinetic Study of New Triazolic Complexes with Ni(II), Co(II) and Cd(II)”, CEEC-TAC2, The 2-th Central and Eastern European Committee for Thermal Analysis and Calorimetry, Vilnius, Lithuania, 27-31 aug. 2013, PS3-35.
6. Adriana Fulias, Gabriela Vlase, Titus Vlase, Vasile Bercean, Ionut Ledeţi, Synthesis, thermoanalytical behavior and EGA study of a highly specific anti-prostate cancer compound - betulonic acid, 3rd World Conference on Physico-Chemical Methods in Drug Discovery and Development, September 20-26, 2013, Dubrovnik, Croatia, Abstract Book, p. 62.
7. Adriana Fulias, Gabriela Vlase, Titus Vlase, Ionut Ledeti, Thermal behavior of antiemetic and gastroprokinetic agent etoclopramide hydrochloride and compatibility study with pharmaceutical excipients, 3rd World Conference on Physico-Chemical Methods in Drug Discovery and Development, September 20- 26, 2013, Dubrovnik, Croatia, Abstract Book, p. 63.
8. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Adriana Fulias, Comparative thermal behavior of synthetic thyroid hormone L- thyroxine and L-thyroxine sodium salt hydrate vs. pharmaceutical formulations, 3rd World Conference on Physico-Chemical Methods in Drug Discovery and Development, September 20-26, 2013, Dubrovnik, Croatia, Abstract Book, p. 6
9. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Georgeta Simu, Paul Albu, Adriana Fulias, Thermoanalytical study on methotrexate – active substance and tablets, 3rd World Conference on Physico-Chemical Methods in Drug Discovery and Development, September 20-26, 2013, Dubrovnik, Croatia, Abstract Book, p. 65.
10. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Alina Heghes, Laura Sbârcea, Adriana Fulias, Compatibility study of immunosuppressive agent methotrexate with some pharmaceutical excipients, 3rd World Conference on Physico-Chemical Methods in Drug Discovery and Development, September 20-26, 2013, Dubrovnik, Croatia, Abstract Book, p. 66.
11. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Lucretia Udrescu, Adriana Fulias, Solid-state characterization of antiarrhythmic agent amiodarone hydrochloride under non-isothermal conditions. Compatibility study with some pharmaceutical excipients, 3rd World Conference on Physico-Chemical Methods in Drug Discovery and Development, September 20-26, 2013, Dubrovnik, Croatia, Abstract Book, p. 67.
12. T.Vlase, Gabriela Vlase, P. Albu, N.Doca, “Synthesis and thermal behavior of a Hydroxyapatite/Gelatin composite” XIV International Conference on Thermal Analysis and Calorimetry in Rusia, (RTAC-2013), Saint Petersburg 23-28 September 2013,
13. Ionut Ledeţi, Gabriela Vlase, Anamaria Todea, Titus Vlase, Adriana Fuliaş, “Thermal characterization of polymeric coating for pharmaceutical dosage form“, Polymer and Organic chemistry 2014, (POC 2014) June 10-13, 2014, Timisoara, Romania.
14. Adriana Fulias, Vasile Berceanu, Gabriela Vlase, Titus Vlase, Ionut Ledeţi, “Spectroscopic and Thermal contributions regarding the synthesis of betulonic acid by selective oxidation of betulin“, ICCE-22 Annual Internationqal Conference on Composites or Nano Engineering, Malta July 13-19 2014.
15. A. Fuliaş, I. Ledeţi, L.M. Şuta, G.Vlase, T.Vlase, “Kinetic study of betulonic acid“, 5-th EuCheMS Chemistry Congress, August 31-september 4, 2014, Istambul, Turkey.
16. Mircea Stefanescu, Marius Bozdog, Cornelia Munteanu, Titus Vlase, Oana Stefanescu, “Preparation and characterization of Co1- xZnXFe2O4 starting from Co(II), Zn(II) and Fe(III), carboxylate precursors, The 11-th European Symposium on Thermal Analysis and Calorimetry, Finland, Aug. 17-21, 2014.
17. Adriana Fulias, Gabriela Vlase, Lenuta-Maria Suta, Codruta Soica, Titus Vlase, Ionut Ledeti, Screening and characterization of cocrystal formation of carbamazepine with succinic acid, XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p.78
18. Adriana Fulias, Gabriela Vlase, Lenuta Maria-Suta, Codruta Soica, Titus Vlase, Ionut Ledeti, Ketoprofen-Cysteine cocrystal- Synthesis, thermal analysis and FTIR spectroscopy investigation. XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p.77
19. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Lenuta-Maria Suta, Anamaria Todea, Ionel Ciucanu, Adriana Fulias, Kinetic study regarding the decomposition of pravastatin –active substance and tablets, XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p. 81
20. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Lenuta-Maria Suta, Anamaria Todea, Ionel Ciucanu, Adriana Fulias, Solid –state evaluation of compatibility between simvastatin and pharmaceutical excipients, XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014,

p. 80

1. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Cristina Patrutescu, Vasile Berceanu, Adriana Fulias, Kinetic of solid-state degradation

of tranzitional coordinative compounds containing 1,2,4-triazolic ligand., XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p. 84

1. Constantin Bolcu, Dorina Modra, Gabriela Vlase, Paul Albu, Titus Vlase, Infuence of nature of the chain breaker on the thermal stability of phthalic anhydride based polyesters, XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p. 34-35
2. Constantin Bolcu, Paul Albu, Dorina Modra, Gabriela Vlase, Titus Vlase, Thermal behavior of the polyesters obtaining with different molar ratios of carboxyl hydroxyl components., XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p. 91-92
3. Paul Albu, Dorina Ardelean, Gabriela Vlase, Violeta Turcus, Titus Vlase, The kinetic study and thermal behaviour of memantine hydrochloride, a biologic active compound used in treatment of Alzheimer disease, XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, 73-74
4. Paul Albu, Gabriela Vlase, Violeta Turcus, Titus Vlase, Investigation of Thermally induced interactions between pioglitazone and some excipients by TG/DTG/and DSC analysis, XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p. 29
5. Cristina Patrutescu, Paul Albu, Titus Vlase, Dorina Ardelean, Gabriela Vlase, TG/DTG/DTA used for determining the kinetic parameters of an immunosuppresive agent mycophenolate mofetil., XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p. 85.
6. Paul Albu, Vlad Chiriac, Titus Vlase, Alin Mogos, Thermal behavior and drug –excipients interaction, RO-ICAC 2014, 2nd International Conference on Analytical Chemistry, Valahia University of Targoviste, sept. 17-21, 2014.
7. Adriana Fulias, Gabriela Vlase, Titus Vlase, Alin Mogos, Lenuta-Maria Suta, Ionut Ledeti, Theophyline succinic acid 2:1 cocrystals obtained by slurry grinding. RO-ICAC 2014, 2nd International Conference on Analytical Chemistry, Valahia University of Targoviste, sept. 17-21, 2014, S4\_P13
8. Ionut Ledeti, Andreea Alexa, Vasile Berceanu, Titus Vlase, Alin Mogos, Adriana Fulias, Solid state decomposition of Schiff bases bearing 1,2,4-triazolic moiety, RO-ICAC 2014, 2nd International Conference on Analytical Chemistry, Valahia University of Targoviste, sept. 17-21, 2014, S4\_P14
9. Ionuţ Ledeţi, Gabriela Vlase, Titus Vlase, Ionel Ciucanu, Adriana Fuliaş, Comparative thermal stability of two similar-structure hypolipidemic agents – simvastatin and lovastatin. Kinetic study, Invited ORAL, Code: M84, [Medicta 2015](http://medicta2015.udg.edu/) Mediterranean Conference on Thermal Analysis and Calorimetry, June 17- 19, 2015, Girona, Spain
10. Ionuţ Ledeţi, Vasile Bercean , Gabriela Vlase, Titus Vlase, Adriana Fuliaş, New derivatives obtained via functionalization of betulonic acid by condensation with amino compounds, Poster, Code: M85, [Medicta 2015](http://medicta2015.udg.edu/) Mediterranean Conference on Thermal Analysis and Calorimetry, June 17-19, 2015, Girona, Spain
11. Adriana Fuliaş, Vasile Bercean, Gabriela Vlase, Titus Vlase, Ionuţ Ledeţi, Study of thermal degradation of new compounds bearing triterpenic moiety, Poster, Code: M86, [Medicta 2015](http://medicta2015.udg.edu/) Mediterranean Conference on Thermal Analysis and Calorimetry, June 17- 19, 2015, Girona, Spain
12. Adriana Fuliaş, Gabriela Vlase, Titus Vlase, Lenuţa-Maria Suta, Ionuţ Ledeţi, Thermal degradation of two pentacyclic triterpene acids: oleanolic and ursolic. Kinetic study Poster, Code: M87, [Medicta 2015](http://medicta2015.udg.edu/) Mediterranean Conference on Thermal Analysis and Calorimetry, June 17-19, 2015, Girona, Spain
13. Paul Albu, Gabriela Vlase, Titus Vlase, Sorin Doca, Nicolae Doca, Thermal behavior of sodium alendronate, a kinetic study under non-isothermal conditions, 3rdCentral and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC3) 25-28 August 2015, Ljubljana, Slovenia
14. Ionuţ Ledeţi, Gabriela Vlase, Tudor Olariu, Adriana Fuliaş, Nicolae Doca, Titus Vlase, Investigation of thermal-induced decomposition of iodoform, 3rdCentral and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC3) 25-28 August 2015, Ljubljana, Slovenia
15. Titus Vlase, Dorina Modra, Gabriela Vlase, Nicolae Doca, Constantin Bolcu, Influence of the polyol on the thermal behavior of different polyesters, 3rdCentral and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC3) 25-28 August 2015, Ljubljana, Slovenia
16. Titus Vlase, Dorina Modra, Gabriela Vlase, Nicolae Doca, Constantin Bolcu, Thermal behavior of some branched bicomponent phthalic base polyesters, 3rdCentral and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC3) 25-28 August 2015, Ljubljana, Slovenia
17. Paul Albu, Iulia Ceban, Gabriela Vlase, Titus Vlase, Thermal behavior and kinetic study of a bioactive hydroxyapatite/gelatin hybrid organic/inorganic composite, 3rdCentral and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC3) 25-28 August 2015, Ljubljana, Slovenia
18. 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, 3rdCentral and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC3) 25-28 August 2015, Ljubljana, Slovenia
19. Roxana Blajovan, Gabriela Vlase, Ionuţ Ledeţi, Adriana Fuliaş, Titus Vlase, Study of thermal induced interactions between polyvinyl alcohol and pharmaceutical excipients, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
20. Roxana Blajovan, Gabriela Vlase, Ionuţ Ledeţi, Adriana Fuliaş, Titus Vlase, Is polyvinylpyrrolidone compatible with other pharmaceutical excipients? thermal and spectroscopic investigations, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
21. Albu Paul, Roxana Blajovan, Gabriela Vlase, Titus Vlase, Studies regarding the complex thermal degradation proces of zoledronic acid, an osseointegration agent, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
22. Paul Albu, Titus Vlase, Gabriela Vlase, Iulia Ceban, Biomimetic hydroxyapatite/biopolymer matrix composite: synthesis, characterization and kinetic analysis, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech- Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
23. Iulia Ceban, Titus Vlase, Gabriela Vlase, Paul Albu , Thermal behavior of biomimetic hydroxyapatite prepared in carrageenan matrix, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech-Hungarian-Polish– Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
24. Paul Albu, Sorin Doca, Iulia Ceban, Gabriela Vlase, Titus Vlase, Sodium alendronate used in bone treatment. A complex study on the thermal behaviour of the bioactive compound and its binary mixtures with several excipients, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech-Hungarian-Polish– Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
25. Ionel Ciucanu, Mihaela Maria Budiul, Titus Vlase, Chromatography-mass spectrometry methods for thermal degradation products of lovastatin, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech-Hungarian-Polish– Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
26. Titus Vlase, Constantin Bolcu, Dorina Modra, Gabriela Vlase, Influence of the nature of the glycol on the thermal stability of phthalic anhydride based polyesters, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
27. Gabriela Vlase, Dorin Jurcău, Anca Marc, Titus Vlase, Influence of the nature of the glycol on the thermal stability and kinetic parameters of phthalic anhydride based polyesters obtained in microwave field, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
28. Gabriela Vlase, Ionuţ Ledeţi, Titus Vlase, Adriana Fuliaş, Thermal-induced interactions between mycophenolic acid and pharmaceutical excipients, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech-Hungarian-Polish– Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
29. Paul Albu, Gabriela Vlase, Titus Vlase, Thermoanalytical data collected from tg/dtg/dta studies conducted on the interactions between repaglinide and various excipients, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
30. Ionuţ Ledeţi, Gabriela Vlase, Titus Vlase, Adriana Fuliaş, Nicolae Doca, Thermoanalytical screening of potential metoclopramide-excipient interactions in preformulation studies, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
31. Sorin Doca, Nicolae Doca, Marius Pricop, Horatiu Urechescu, Gabriela Vlase, Titus Vlase, Rapid quantitative test of natural bone granules used in dental practice, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint

Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland

1. Ionuţ Ledeţi, Doina Piciu, Gabriela Vlase, Titus Vlase, Adriana Fuliaş, Kinetic study and solid-state analysis of synthetic thyroid hormone: l-thyroxine vs. l-thyroxine sodium, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
2. Ionuţ Ledeţi, Gabriela Vlase, Titus Vlase, Lenuţa-Maria Şuta, Ionel Ciucanu, Adriana Fuliaş, Solid- state characterization of bicalutamide in binary mixtures with pharmaceutical excipients – an investigation by thermal and spectroscopic methods, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
3. Adriana Fuliaş, Gabriela Vlase, Titus Vlase, Lenuţa-Maria Şuta, Ionuţ Ledeţi, Kinetic study under non–isothermal conditions and comparative thermal behavior of three tricyclic antidepressants with similar structure, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech-Hungarian-Polish– Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
4. Adriana Fuliaş, Gabriela Vlase, Titus Vlase, Lenuţa Şuta, Ionuţ Ledeţi, Application of thermal analysis, DSC and FTIR study in the compatibility testing of amiodarone hydrochloride with different pharmaceutical excipients used in tablets formulations, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5th Joint Czech- Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
5. P. Sfirloaga, C. Ianasi, T. Vlase, P. Vlazan, Synthesis and morpho-structural characterization of NaTaO3 nanomaterials obtained by a fast synthesis method, 3rdCentral and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC3) 25-28 August 2015, Ljubljana, Slovenia
6. Mihaela Maria Budiul, Iuliana Lacrǎmiorara 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, Bucureşti 15 april 2016, Romania, Poster Presentation 28, Book of abstract, pg. 70.
7. Iuliana Lacrǎmiorara Axinte, Gabriela Vlase, Titus Vlase, Thermally induced interaction by models of commercial meat products, 25 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, Bucureşti 15 april 2016, Romania, Poster Presentation 29, Book of abstract, pg. 71.
8. Adriana Ledeti, Gabriela Vlase, Lenuta- Maria Suta, Titus Vlase, Ionut Ledeti, Kinetic study in class of three tricyclic antidepressants: Amitriptyline, Desipramine and Imipramine, 25 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal,Bucureşti 15 april 2016, Romania, Poster Presentation 30, Book of abstract, pg. 72.
9. Ionuţ Ledeti, Gabriela Vlase, Adriana Ledeti, Lenuta- Maria Suta, Titus Vlase, Nortriptyline-study of solid- state compatibility with pharmaceutical excipients, 25 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, Bucureşti 15 april 2016, Romania, Poster Presentation 31, Book of abstract, pg. 73.
10. Lenuta- Maria Suta, Gabriela Vlase, Ionuţ Ledeti, Titus Vlase, Adriana Ledeti, Screening of binary adduct formation of Desipramine with different carboxylic acids, 25 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, Bucureşti 15 april 2016, Romania, Poster Presentation 32, Book of abstract, pg. 74.
11. Manuela Crişan, Gabriela Vlase, Titus Vlase, Thermal and kinetics of primary, secondary and tertiary alkanolammonium salts of p-nitrobenzoic acid, 25 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, Bucureşti 15 april 2016, Romania, Poster

Presentation 33, Book of abstract, pg. 75.

1. 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, Bucureşti 15 april 2016, Romania, Poster Presentation 34, Book of abstract, pg. 76
2. Gabriela Vlase, Adriana Ledeti, Ionut Ledeti, Titus Vlase, COMPATIBILITY STUDY OF NORTRIPTYLINE WITH SOME PHARMACEUTICAL EXCIPIENTS, P 42 , Book of Abstracts AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p. 87
3. DONEPEZIL AND PHARMACEUTICAL EXCIPIENTS, P 19 , Book of Abstracts AICAT-GICAT 2016 - September 25-28,

2016, Ischia (NA), Italy, p. 63

1. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Cristina Dehelean, Denisa Gabriela Vlase, Adriana Ledeti, Ionut Ledeti, Titus Vlase, KINETIC STUDY OF THERMAL DEGRADATION OF LEVODOPA FROM DSC DATA, P 43 , Book of Abstracts AICAT-

GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p. 88

1. Roxana Blajovan, Adriana Ledeţi, Gabriela Vlase, Ionuţ Ledeţi, Paul Albu, Titus Vlase, P 44 , Book of Abstracts AICAT- GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p. 89
2. Mihaela Budiul, Gabriela Vlase, Paul Albu, Adriana Ledeţi, Ionuţ Ledeţi, Titus Vlase, P 45 , Book of Abstracts AICAT- GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p. 90
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3. Marius MURARIU, Ionuț LEDEŢI, Denisa CIRCIOBAN, Gabriela VLASE, Carmen AXENTE, Lenuţa-Maria ŞUTA, Titus VLASE, Adriana LEDEŢI, Thermal analysis and kinetic study of 6-ethyl chenodeoxycholic acid and deoxycholic acid, , Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău,Moldova
4. Ionuţ LEDEŢI, Denisa CIRCIOBAN, Gabriela VLASE, Marius MURARIU, Adriana LEDEŢI, Lenuţa-Maria ŞUTA, Titus VLASE,Thermal analysis and kinetic study of prochlorperazine and promethazine, , Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău,Moldova
5. Ionuţ LEDEŢI, Lenuţa-Maria ŞUTA, Marius MURARIU, Denisa CIRCIOBAN, Gabriela VLASE, Adriana LEDEŢI, Titus VLASE, Preformulation studies for selection of excipients for cholinesterase inhibitor tacrine, , Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău,Moldova
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8. Gabriela VLASE, Paul ALBU, Adriana LEDEŢI, Denisa CIRCIOBAN, Marius MURARIU, Angelica CAUNII, Ionuț LEDEŢI, Titus VLASE, Thermal behaviour of entacapone, a catechol-O- methyltransferase inhibitor used in Parkinson’s disease, , Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău,Moldova
9. Marius MURARIU , Sorin OLARIU , Codruţ IVAN , Ionuţ LEDEŢI , Denisa CIRCIOBAN, Gabriela VLASE , Adriana LEDEŢI , Titus VLASE , Petru MATUSZ, Solid state characterization of human gallstones, , Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău,Moldova
10. Denisa CIRCIOBAN, Nicolae DOCA, Ionuţ LEDEŢI , Gabriela VLASE , Adriana LEDEŢi , Titus VLASE , Cristina DEHELEAN, Thermal degradation and kinetic analysis for artemether and artesunate, , Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău,Moldova
11. Maria Elena RĂDULESCU-GRAD, Gabriela VLASE, Nicolae DOCA, Gheorghe ILIA, Simona Gabriela MUNTEAN , Marinela MICLĂU, Adeline ANDELESCU, New cooper complex of azo compound. Synthesis and characterization, , Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău,Moldova
12. Paul ALBU, Gabriela VLASE, Madalina MATEESCU, Roxana BLAJOVAN, Vlad CHIRIAC, Titus VLASE, The kinetic study of the thermally induced degradation and an evaluation of the drug-excipient interactions performed for a new generation bisphosphonate – risedronate, , Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău,Moldova
13. Paul ALBU, Iren Andrea SERBAN, Ovidiu GEICU, Loredana STANCA, Alexandra STANCIU, Madalina MATEESCU, Gabriela VLASE, Titus VLASE, An evaluation of the structure, thermal behavior and kinetic parameters of a novel biomimetic hybrid organic/inorganic hydroxyapatite-based composite, , Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău, Moldova
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16. Denisa Cîrcioban, Ionuţ Ledeţi, Gabriela Vlase, Adriana Ledeţi, Titus Vlase, Florin Borcan, Carmen Axente, Cristina Borcan, Cristina Dehelean,Guest-host interactions and complex formation for artemisinin with cyclodextrins, BOOK OF ABSTRACTS 13th Mediterranean Conference, on Calorimetry and Thermal Analysis, Medicta 2017, Loano (SV), Italy, September 24-27, 2017
17. Denisa Cîrcioban, Ionuţ Ledeţi, Gabriela Vlase, Adriana Ledeţi, Marius Murariu, Titus Vlase,Thermal degradation and kinetic study for thermolysis of Tacrine, BOOK OF ABSTRACTS 13th Mediterranean Conference, on Calorimetry and Thermal Analysis, Medicta 2017, Loano (SV), Italy, September 24-27, 2017
18. Adriana Ledeţi, Denisa Cîrcioban, Gabriela Vlase, Marius Murariu, Ionuţ Ledeţi, Lenuţa-Maria Şuta, Titus Vlase,Thermal stability of Benserazide as pure compound and in binary mixture with Levodopa vs. commercial pharmaceutical formulation, BOOK OF ABSTRACTS 13th Mediterranean Conference, on Calorimetry and Thermal Analysis, Medicta 2017, Loano (SV), Italy, September 24-27, 2017
19. Ionuţ Ledeţi, Adriana Ledeţi, Lenuţa-Maria Şuta, Marius Murariu, Gabriela Vlase, Denisa Cîrcioban, Titus Vlase, Preformulation studies for selection of excipients for Ursodeoxycholic acid, BOOK OF ABSTRACTS 13th Mediterranean Conference, on Calorimetry and Thermal Analysis, Medicta 2017, Loano (SV), Italy, September 24-27, 2017
20. Ionuţ Ledeţi, Marius Murariu, Sorin Olariu, Codruţ Ivan, Denisa Cîrcioban, Gabriela Vlase, Adriana Ledeţi, Titus Vlase, Petru Matusz, Comparative thermal stability of some bile acids, BOOK OF ABSTRACTS 13th Mediterranean Conference, on Calorimetry and Thermal Analysis, Medicta 2017, Loano (SV), Italy, September 24-27, 2017
21. Adriana Ledeţi, Denisa Cîrcioban, Gabriela Vlase, Angelica Caunii, Lenuţa-Maria Şuta, Titus Vlase, Marius Murariu, Ionuț Ledeţi, Comparative thermal analysis and kinetic study of Apomorphine and Cabergoline, BOOK OF ABSTRACTS 13th Mediterranean Conference, on Calorimetry and Thermal Analysis, Medicta 2017, Loano (SV), Italy, September 24-27, 2017
22. Adriana Ledeţi, Mihaela Cristea, Gabriela Vlase, Titus Vlase, Bozena Karolewic, Oana Stefanescu, Ionuţ Ledeţi. Kinetic Study for Heterogeneous Decomposition of Atorvastatin – Active Substance and a Generic Pharmaceutical Formulation. Book of Abstracts,12 th European Symposium on Thermal Analysis and Calorimetry (ESTAC12)*, 27-30 August 2018 -Braşov, Romania* PS2. 141, p. 507
23. Mihaela Cristea, Ionuţ Ledeţi, Adriana Ledeţi, Gabriela Vlase, Titus Vlase, Bozena Karolewic, Oana Stefanescu, Mircea Stefanescu. Preformulation studies for atorvastatin – an instrumental approach. Book of Abstracts,12 th European Symposium on Thermal Analysis and Calorimetry (ESTAC12)*, 27-30 August 2018 -Braşov, Romania* PS2. 140, p. 506
24. Laura Sbarcea, Adriana Ledeţi, Lucreţia Udrescu, Paul Barvinschi, Gabriela Vlase, Ionuţ Ledeţi. Characterization of Betulonic acid – cyclodextrins inclusion complexes. Book of Abstracts,12 th European Symposium on Thermal Analysis and Calorimetry (ESTAC12)*, 27-30 August 2018 -Braşov, Romania.* PS2. 157, p. 523
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2. Dan Vlase, Titus Vlase, Gabriela Vlase, Iosif Vasile Ferencz, Dorel Micle. TG-DTA and FT-IR analyses of various samples of mortars from Deva region OP - 2nd Journal of Thermal Analysis and Calorimetry Conference (2nd JTACC+V4 2019) June 18–21, 2019 Budapest, Hungary
3. Mădălina MATEESCU, Ionuț LEDEȚI, Gabriela VLASE, Adriana LEDEȚI, Titus VLASE. Preliminary study for preparation of transdermal patch with tramadol and acyclovir. **Book of Abstract CEEC-TAC5 & Medicta 2019, August 2019 Roma, Italy** p.388
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4. Mihaela Budiul, Gabriela Vlase, Titus Vlase. *FTIR and thermal studies of medicated jellies with Topiramate.* 30th Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy CATCAR30 15-16 October 2021, Bucharest – Romania
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7. Dorinel OKOLIŠAN, Titus VLASE, Gabriela VLASE, Preliminary study of κ-carrageenan based membranes for antiinflammatory drug delivery,Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 [Split,](https://en.wikipedia.org/wiki/Split%2C_Croatia) [Croatia.](https://en.wikipedia.org/wiki/Croatia) **PS2.35, p. 177**
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