

Nume / Prenume	Vlase Titus Vasile	
Tel.		
Fax(uri)		
E-mail(uri)		
Naționalitate		
Data nașterii		
Sex		
Locul de muncă / Domeniul ocupațional		
Experiența profesională		
Perioada	Din 2016 pana in prezent	
Funcția sau postul ocupat	Profesor univ. dr. Ing. , Dr. Habil.	
Activități și responsabilități principale	Didactica si activitate stiintifică	
Numele și adresa angajatorului	Universitatea de Vest din Timisoara, Facultatea de Chimie, Biologie, Geografie	
Tipul activității sau sectorul de activitate	Educatie, cercetare stiintifica	
Perioada	Din 2005	
Funcția sau postul ocupat	Director Stiintific, Director Centru de Cercetare	
Activități și responsabilități principale	Cercetare stiintifica	
Numele și adresa angajatorului	Centru de cercetare „Analize Termice in probleme de mediu” Centru acreditat CNCSIS	
Tipul activității sau sectorul de activitate	Cercetare stiintifica	
Perioada	1992-2016	
Funcția sau postul ocupat	Asistent univ.,Lector , Conferențiar	
Activități și responsabilități principale	Didactica si activitate stiintifică	
Numele și adresa angajatorului	Universitatea de Vest din Timisoara, Facultatea de Chimie, Biologie, Geografie	
Tipul activității sau sectorul de activitate	Educatie, cercetare stiintifica	

Educație și formare	
Perioada Calificarea	2014 dr. habil Teza de abilitare în CHIMIE susținută în 15 iulie 2014 la UVT. Ordin Ministrului Educației Naționale 623/6.11.2014, Anexa 20 Conducător doctorat UVT, Școala Doctorală Chimie-5 drd în stagi
Calificarea / diploma obținută	2003 Doctorat in chimie (teza sustinuta public in 30.06.2003)
Disciplinele principale studiate / competențe profesionale dobândite	Cinetica neizoterma, chimia materialelor, analiză termică
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea de Vest din Timisoara, Facultatea de Chimie, Biologie, Geografie, Scoala doctorala CHIMIE, sub indrumarea d-lui Prof. Dr. Ing. Chiriac Adrian
Nivelul în clasificarea națională sau internațională	Doctor in chimie, ISCED 6
Perioada Calificarea / diploma obținută	1985-1990 inginer
Disciplinele principale studiate / competențe profesionale dobândite	Specializarea „Ingineria Silicatilor si a compusilor oxidici”
Numele și tipul instituției de învățământ / furnizorului de formare	Inst. Politehnic “Traian Vuia” Timișoara Fac. “Tehnologie Chimică”
Nivelul în clasificarea națională sau internațională	Inginer chimist, ISCED 5
Aptitudini și competențe personale	
Limba maternă	Limba Romana
Limbi străine cunoscute	Engleza, germana
Autoevaluare	Înțelegere

Competențe și aptitudini de utilizare a calculatorului	Utilizez cu ușurință calculatorul și alte aparate coordonate de acesta. Utilizator al : Windows (98, 2000, XP, 2010), Office, Origin, Adobe Photoshop, MathCad, Internet: (Internet Explorer, Mozilla,...), E-mail, și alte programe actuale inclusiv cele tehnice ale unor aparate performante.
Activitate didactică	Chimie Tehnologică, Chimie-Fizică, Chimia stării solide, Chimia Materialelor Integrarea ecologică a materialelor rezultate din activitatea umană, Analiză termică și tehnici hibridate, Nano-și biomateriale
Permis(e) de conducere	Permis de conducere categoria B
Expertiza	Tehnologie generală și Tehnologii ecologice, Știința Materialelor, Analiză termică (TG/DTG/DTA/EGA, DSC, TMA), Predicția timpului de viață, Spectroscopie și Microscopie FT-IR, Cinetică neizotermă.
Premii	- Premiul Ghe. Spacu al Academiei Române pentru domeniul chimie acordat în 23.12.2005 pentru : Contribuții la cinetica descompunerii neizoterme a unor aditivi alimentari și compuși farmaceutici – serie de lucrări apărute în anul 2003
Alte mențiuni	<ul style="list-style-type: none"> - Din 2020 Membru Comisia de Chimie CNATDCU - Din 2020 Vicepreședinte RNMCM – Romanian New Materials Clusters - Director al Centrului de Cercetare “Analize termice în probleme de mediu” Universitatea de Vest din Timișoara - Activitatea în domeniul analizei termice a determinat includerea biografiei în Who's Who in Thermal Analysis and Calorimetry, Akademia Kiado – Budapesta , 2004, respectiv: Who's Who in Thermal Analysis and Calorimetry” Springer, 2014 - Membru al corpului de experți înregistrați în Registrul Național al Experților (MEDC) pentru Învățământ Superior și Cercetare – Domeniul Chimie - Conducător de doctorat cu 3 doctori finalizați și 3 doctoranzi în stagiul aprilie 2013 cursul: Implementarea sistemului de control managerial intern. - martie 2007 Curs: Analiză Termică Perkin Elmer (Monza, Italia)
Membru in:	<ol style="list-style-type: none"> 1. Societatea de Chimie din România (membru în consiliul național de conducere 2012-2016) 2. Societatea de Cataliza din România 3. Comitetul Român de Analiza Termică și Calorimetrie 4. ICTAC (International Confederation of Thermal Analysis and Calorimetry) 5. Membru al corpului de experți înregistrați în Registrul Național al Experților (MEDC) pentru Învățământ Superior și Cercetare – Domeniul Chimie 6. Referent J.T.A.C. din 2005 și Thermochimica Acta din 2006, J. of Chemical & Engineering Data resp. Ind. & Eng. Chemistry Research din 2008, Pharmaceutics, Pharmaceutical, Polymers, Antioxidants... 7. Expert evaluator programe CNCSIS, CEX domeniul Chimie 8. Expert ARACIS domeniul Chimie 9. Reprezentant UVT în Romanian New Materials Clusters, din 6 decembrie 2018 10. Membru Comisie Chimie CNATDCU din 2020 11. Vicepreședinte CA Romanian New Materials Clusters din 2019 12. Președinte Consiliul Științific ICAM (UVT) din 2021 13. Membru editorial Board: PHARMACEUTICS 14. Director Științific ICAM (Inst. de cercetări avansate de mediu al UVT)
Publicații științifice	ISI: 184 Books/Chapters: 11 GRANTS-uri: 14 Member, 7 Director Citations: WOS: 2059 Scopus: 2078 H-index: WOS 25; Scopus 26 International Conferences: 289 National Conferences: 76

Lista lucrări

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

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

ii) Articole

A. 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) Ioiteșcu, 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., Lazăr, C., Țibru, I., Ștefănescu, 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., Păcurariu, C., Lazău, R.I., Lazăr, 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., Costișor, 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

- 19) 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
- 20) 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
- 21) 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
- 22) Pop, N., Vlase, G., Vlase, T., Doca, N., Mogoş, A., Ioîtescu, 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
- 23) 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
- 24) 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
- 25) 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
- 26) 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
- 27) Ioîtescu, 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
- 28) Ştefănescu, O., Stoia, M., Ştefănescu, 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
- 29) 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
- 30) Păcurariu, C., Lazău, R.I., Lazău, 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
- 31) Vlase, T., Vlase, G., Doca, N., Ilia, G., Fuliş, 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
- 32) 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
- 33) 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
- 34) 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
- 35) Fuliş, 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
- 36) 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
- 37) 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
- 38) Fuliş, A., Vlase, G., Vlase, T., Tiţa, B., Tiţa, D., Doca, N. Thermal study of cefoperazone

monohydrate

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

39) 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

40) Tița, D., Fuliș, A., Tița, 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.

41) Fuliș, 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.

42) 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

43) 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

44) 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

45) 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

46) 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.

47) Fuliș, 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.

48) Fuliș, A., Fuliș, 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.

49) 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

50) Bucur, A.I., Bucur, R., Vlase, T., Doca, N. Thermal analysis and high-temperature X-ray diffraction of nanotricalcium phosphate crystallization (2012) *Journal of Thermal Analysis and Calorimetry*, 107 (1), pp. 249-255. DOI: 10.1007/s10973-011-1753-9

51) Anghel, M., Vlase, T., Vlase, G., Albu, P., Doca, N., Tolan, I., Mracec, M. Hyphenated techniques used by evaluation of the thermal behaviour of glycyrrhetic acid (2012) *Revue Roumaine de Chimie*, 57 (7-8), pp. 747-753.

52) Bodescu, A.-M., Sirghie, 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

53) Ledeti, I., Fuliș, 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.

54) Fuliș, 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

55) Fuliș, A., Ledeti, 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

56) Pop, N., Mogoș, 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

57) Fuliș, A., Vlase, G., Grigorie, C., Ledeti, I., Albu, P., Bilanin, M., Vlase, T. Thermal behaviour studies of procaine and benzocaine: Part I. 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

58) Fuliș, A., Ledeti, I., Vlase, G., Popoiu, C., Hegheș, A., Bilanin, M., Vlase, T., Gheorgheos, D., Craina, M., Ardelean, S., Ferechide, D., Mărginean, O., Moș, 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

59) Bodescu, A.-M., Sirghie, 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

60) 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

61) Bolcu, C., Vlase, G., Vlase, T., Albu, P., Doca, N., Șisu, 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
- 62) Anghel, M., Vlase, G., Bilanin, M., Vlase, T., Albu, P., Fuliş, 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
- 63) Ledeti, I., Simu, G., Vlase, G., Savoiu, G., Vlase, T., Suta, L.-M., Popoiu, C., Fuliş, A. Synthesis and solid-state characterization of Zn(II) metal complex with acetaminophen (2013) *Revista de Chimie*, 64 (10), pp. 1127-1130.
- 64) Ledeti, I., Fuliş, 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
- 65) 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
- 66) 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.
- 67) Udrescu, L., Sbârcea, L., Fuliş, 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
- 68) 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.
- 69) Ledeti, I., Simu, G., Vlas, G., Vlase, T., Olariu, T., Savoiu, G., Suta, L.-M., Popow, C., Fuliş, A. Ni(II) coordination compound with acetaminophen synthesis and characterization (2014) *Revista de Chimie*, 65 (5), pp. 556-559.
- 70) Fuliş, A., Popoiu, C., Vlase, G., Vlase, T., Onetiu, D., Savoiu, G., Simu, G., Pătruşescu, C., Ilia, G., Ledeti, I. Thermoanalytical and spectroscopic study on methotrexate - active substance and tablet (2014) *Digest Journal of Nanomaterials and Biostructures*, 9 (1), pp. 93-98.
- 71) Fuliş, A., Vlase, G., Şoica, C., Bercean, V., Vlase, T., Ledeti, 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
- 72) Ledeti, I., Vlase, G., Vlase, T., Doca, N., Bercean, V., Fuliş, 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
- 73) Fuliş, A., Vlase, G., Vlase, T., Onetiu, D., Doca, N., Ledeti, I. Thermal degradation of B-group vitamins: B1, B2 and B6: Kinetic study (2014) *Journal of Thermal Analysis and Calorimetry*, 118 (2), pp. 1033-1038. DOI: 10.1007/s10973-014-3847-7
- 74) Şoica, C., Fuliş, A., Vlase, G., Dehelean, C., Vlase, T., Ledeti, 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
- 75) Pupca, G., Bucuras, V., Vlase, G., Vlase, T., Fuias, A., Ledeti, I. Solid-state analysis of some urinary calculi (2014) *Revista de Chimie*, 65 (9), pp. 1058-1062.
- 76) Fuliş, 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.
- 77) Fuliş, A., Vlase, G., Todea, A., Vlase, T., Ledeti, I. Thermal characterization of polymeric coatings for pharmaceutical dosage forms (2015) *Macromolecular Symposia*, 352 (1), pp. 59-65. DOI: 10.1002/masy.201400154
- 78) Ivan, C., Ledeti, I., Vlase, G., Vlase, T., Fuliş, A., Olariu, S. Study of solid - State behaviour of some human gallstones (2015) *Revista de Chimie*, 66 (2), pp. 265-270.
- 79) Udrescu, L., Sbârcea, L., Fuliş, A., Ledeti, 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
- 80) Ivan, C., Suta, L.-M., Olariu, T., Ledeti, I., Vlase, G., Vlase, T., Olariu, S., Matusz, P., Fuliş, A. Preliminary kinetic study for heterogenous degradation of cholesterol - Containing human biliary stones (2015) *Revista de Chimie*, 66 (8), pp. 1253-1255.
- 81) Popovici, A.R., Vlase, G., Vlase, T., Suta, L.-M., Popoiu, C., Ledeti, I., Iovanescu, G., Fuliş, A. Local anesthetic agents III. Study of solid dosage forms with pharmaceutical excipients (2015) *Revista de Chimie*, 66 (7), pp. 1046-1051.
- 82) Ledeti, I., Alexa, A., Bercean, V., Vlase, G., Vlase, T., Şuta, L.-M., Fuliş, 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
- 83) 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.
- 84) Stefanescu, M., Bozdog, M., Muntean, C., Stefanescu, O., Vlase, T. Synthesis and magnetic properties of $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ ($x=0\div1$) 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

- 85) Ledeti, I., Vlase, G., Vlase, T., Ciucanu, I., Olariu, T., Todea, A., Fulas, A., Suta, L.-M. Instrumental analysis of potential lovastatin - excipient interactions in preformulation studies (2015) *Revista de Chimie*, 66 (6), pp. 879-882.
- 86) Ledeti, I., Vlase, G., Vlase, T., Fulas, 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
- 87) Ledeti, I., Vlase, G., Vlase, T., Bercean, V., Fulas, 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
- 88) 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
- 89) 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
- 90) Ledeti, I., Vlase, G., Vlase, T., Suta, L.-M., Todea, A., Fulas, 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
- 91) Pătruțescu, C., Vlase, G., Turcuș, 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
- 92) Fulas, A., Vlase, G., Vlase, T., Suta, L.-M., Șoica, C., Ledeti, 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
- 93) Ledeti, I., Avram, S., Bercean, V., Vlase, G., Vlase, T., Ledeti, A., Zupko, I., Mioc, M., Suta, L.-M., Șoica, C., Dehelean, C. Solid-state characterization and biological activity of betulonic acid derivatives (2015) *Molecules*, 20 (12), pp. 22691-22702. DOI: 10.3390/molecules201219876
- 94) 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.
- 95) 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.
- 96) 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.
- 97) 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.
- 98) 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.
- 99) Ledeti, I., Vlase, G., Vlase, T., Murariu, M., Trandafirescu, C., Șoica, 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.
- 100) Ledeti, I., Ledeti, A., Vlase, G., Vlase, T., Matusz, P., Bercean, V., Suta, 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
- 101) Ledeti, I., Vlase, G., Vlase, T., Fulas, A., Suta, 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
- 102) Ledeti, I., Bercean, V., Vlase, G., Vlase, T., Ledeti, A., Suta, 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
- 103) Fulas, A., Ledeti, I., Vlase, G., Vlase, T., Șoica, C., Dehelean, C., Oprean, C., Bojin, F., Suta, L.-M., Bercean, V., Avram, Ș. 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
- 104) Blajovan, R., Ledeti, I., Vlase, G., Ledeti, 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
- 105) Vlase, G., Jurcău, D., Ledeti, A., Ceban, I., Vlase, T. Thermal behavior of phthalic anhydride bases polyesters: Part II. Influence of the polyol by polyesters synthesized in microwave field (2016) *Journal of Thermal Analysis and Calorimetry*, 126 (1), pp. 293-298. DOI: 10.1007/s10973-016-5679-0
- 106) Vlase, G., Bolcu, C., Modra, D., Budiul, M.M., Ledeti, 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

- 107) Ledeti, A., Vlase, G., Vlase, T., Bercean, V., Murariu, M.S., Ledeti, 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
- 108) 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
- 109) 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
- 110) 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.
- 111) 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
- 112) Vlase, T., Albu, P., Ledeti, 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
- 113) 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
- 114) 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
- 115) Circioban, D., Ledeti, I., Vlase, G., Ledeti, 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
- 116) 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
- 117) 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
- 118) 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
- 119) 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
- 120) 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
- 121) 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
- 122) 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
- 123) 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
- 124) 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
- 125) Vlase, G., Budiul, M., Vlase, T., Albu, P., Ledeti, 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
- 126) 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
- 127) Ledeti, A., Vlas, G., Vlas, 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
- 128) Ledeti, I., Budiul, M., Matusz, P., Vlas, G., Circioban, D., Dehelean, C., Suta, L.-M., Caunii, A., Ledeti, A., Vlas, 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
- 129) Grigorie, A.C., Muntean, C., Vlas, G., Ștefănescu, M. Synthesis and characterization of ZnAl₂O₄ spinel 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
- 130) Mateescu, M., Budiul, M., Albu, P., Vlas, G., Vlas, 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
- 131) Vlas, G., Blajovan, R., Albu, P., Vlas, 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
- 132) Ledeti, I., Bolintineanu, S., Vlas, G., Circioban, D., Ledeti, A., Vlas, 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
- 133) Albu, P., Budiul, M., Mateescu, M., Chiriac, V., Vlas, G., Vlas, 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
- 134) Ledeti, I., Bolintineanu, S., Vlas, G., Circioban, D., Dehelean, C., Suta, L.-M., Caunii, A., Ledeti, A., Vlas, 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
- 135) Grigorie, A.C., Muntean, C., Vlas, T., Locovei, C., Ștefănescu, M. ZnO-SiO₂ based 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
- 136) Buda, V., Andor, M., Ledeti, A., Ledeti, I., Vlas, G., Vlas, T., Cristescu, C., Voicu, M., Suci, 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
- 137) Popa, A., Ilia, G., Iliescu, S., Doca, N., Vlas, T., Vlas, 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
- 138) Budiul, M., Albu, P., Vlas, G., Turcuș, V., Vlas, 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
- 139) Albu, P., Doca, S.C., Anghel, A., Vlas, G., Vlas, 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
- 140) Vlas, G., Modra, D., Albu, P., Ceban, I., Bolcu, C., Vlas, 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
- 141) Ledeti, I., Murariu, M., Vlas, G., Vlas, T., Doca, N., Ledeti, A., Suta, 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
- 142) Sfirloaga, P., Poienar, M., Ianasi, C., Vlas, T., Vlăzan, 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.
- 143) Ștefănescu, M., Muntean, C., Berei, E., Vlas, T., Ștefănescu, 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.
- 144) Moșoiu, C., Vlas, D., Vlas, G., Lazău, R., Vlas, 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.
- 145) Vlas, D., Rogozea, O., Moșoiu, C., Vlas, G., Lazău, R., Vlas, T. Thermoanalytical investigations of some ceramics dated from the Neolithic period, discovered at Oxenbrickel, Sânmăndrei, Romania (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (3), pp. 2145-2157.
- 146) Popescu, L., Mateescu, M., Băjaș, D., Bugnariu, C., Vlas, G., Jumanca, D., Vlas, T. Study of thermally induced interactions between theobromine and various sweeteners (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (3), pp. 2347-2356.
- 147) Pahomi, A., Vlas, G., Toma, A., Ilia, G., Turcuș, V., Doca, N., Vlas, 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.

148) Cristea, M., Baul, B., Ledeti, I., Ledeti, A., Vlase, G., Vlase, T., Karolewicz, B., Ștefănescu, O., Dragomirescu, A.O., Mureșan, C., Cipu, D.-S., Velimirovici, D., Ștefănescu, M. Preformulation studies for atorvastatin calcium: An instrumental approach (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (4), pp. 2799-2806.

149) Păușescu, I., Todea, A., Badea, V., Peter, F., Medeleanu, M., Ledeti, I., Vlase, G., Vlase, T. Optical and thermal properties of intelligent pH indicator films based on chitosan/PVA and a new xanthylum dye (2019) *Journal of Thermal Analysis and Calorimetry*, 141(3):, pp999-1008,

150) Nabiyeu A.A., Olejniczak A., Pawlukoje A., Balasoiu M., Bunoiu M., Maharramov A.M., Nuriyev M.A., Ismayilova R.S., Azhibekov A.K., Kabyshev A.M., Ivankov O.I., Vlase T., Linnik D.S., Shukurova A.A., Yulvanshina O., Turchenko V.A., Kuklin A.I. Nano-ZrO₂ filled high-density polyethylene composites: Structure, thermal properties, and the influence γ -irradiation. (2020) *Polymer Degradation and Stability Available* 171,109042, DOI 10.1016/j.polymdegradstab.2019.109042

151) Ionut, Ledeti, Mirabela Romanescu, Denisa Cîrcioban, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Oana Suci, Marius Murariu, Sorin Olariu, Petru Matusz, Valentina Buda, Doina Piciu. Stability and Compatibility Studies of Levothyroxine Sodium in Solid Binary Systems-Instrumental Screening. (2020) *Pharmaceutics* 12(1),58, DOI 10.3390/pharmaceutics12010058,

152) 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

153) Vlase, D., Codruța, 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

154) 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.

155) Cîrcioban, 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

156) Vlase, D., Diaconescu, D., Bunoiu, V., Bunoiu, M., Vlase, G., Sfârloagă, P., Vlase, T. Analytical investigations of adornment pieces from Susani (Timiș County, Romania) *J Therm Anal Calorim* (2020) 141 (3):1067–1074

157) Cîrcioban, D.; Ledeti, A.; Vlase, G.; Ledeti, L.; Vlase, T.; Varut, R.; Pavel, L.Z.; 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

158) Crisăn, M.E.; Vlase, G.; Vlase, T.; Croitor, L.; Ilia, G.; Bourosh, P.N.; Kravtsov, V.C.; Petric, M.F. Thermogravimetric and kinetic study of new bis(iminophosphorane)ethane solvates. *J Therm Anal Calorim* (2020); 141(3):1009–1016

159) 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

160) Cîrcioban, 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.

161) Ledeti, I., Bengescu, C., Cîrcioban, D., Vlase, G., Vlase, T., Tomoroga, C., Buda, V., Ledeti, 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

162) Valentina Buda, Bianca Baul, Minodora Andor, Dana Emilia Man, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Corina Danciu, Petru Matusz, Francisc Peter, Ionut Ledeti. Solid State Stability and Kinetics of Degradation for Candesartan—Pure Compound and Pharmaceutical Formulation. (2020) *Pharmaceutics* 12(2),86, DOI 10.3390/pharmaceutics12020086

163) Rotaru A., Vlase T, Budrugaec 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

164) 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

165) Păușescu, I., Todea, A., Badea, V., Peter, F., Medeleanu, M., Ledeti, I., Vlase, G., Vlase, T. Optical and thermal properties of intelligent pH indicator films based on chitosan/PVA and a new xanthylum dye (2020) *Journal of Thermal Analysis and Calorimetry*, 141 (3), pp. 999-1008

166) 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

167) 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

168) 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;
- 169) 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)
- 170) 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
- 171) Marioane, C.-A.; BunoIU, M.; Mateescu, M.; Sfirloagă, 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>
- 172) Dragomirescu M, Vintila T, Vlase T, Mihali CV, Preda G. Microbial cellulases immobilized in biopolymer/silica matrices used as enzyme release systems(2021) *ACTA BIOCHIMICA POLONICA* 68 (4), pp.775-783
- 173) Croitor, L ; Petric, M ; Crisan, L ; Bourosh, PN ; Vlase, G ; Crisan, M. 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
- 174) Croitor, L; Vlase, G ; Vlase, T ; Bourosh, PN ; Chumakov, YM ; Crisan, M. 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,
- 175) Dan Vlase; Titus Vlase; Mădălin BunoIU; Paula Sfirloagă; Alexandra-Gabriela Ursuț; 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>
- 176) Gabriela Vlase; Dan Vlase; Iosif Vasile Ferencz; Paula Sfirloagă; 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>
- 177) Manea, F., Ghicioi, E., Suvar, M.C., (...), Suvar, N.S., Vlase, T., FDS Results for Selecting the Right Scenario in the Case of a Building Fire: A Case Study. (2022) *Fire* 5(6),198
- 178) Mihaela Maria Budiul, Cristina Adela Marioane, Ionela-Amalia Bradu, Gabriela Vlase, Titus Vlase, FTIR and thermal studies of medicated jellies with topiramate, (2022) *Journal of Thermal Analysis and Calorimetry*, 148(10), pp. 4589-4600, <https://doi.org/10.1007/s10973-022-11882-8>,
- 179) Okolisan D., Vlase, G., Vlase, T., Avram, C. Preliminary Study of kappa-Carrageenan Based Membranes for Anti-Inflammatory Drug Delivery, (2022) *Polymers* 14(20) 4275-4275
- 180) 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 - 4614 May 2023
- 181) Lozovan Vasile; Kravtsov Victor Ch; Chumakov Yurii M; Costrucova 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 - 3183 May 2023.
- 182) Bengescu Cosmina; Ledeti, Adriana; Olariu Tudor; Cîrcioban Denisa; Muntean Cornelia, Vlase Gabriela; Vlase Titus; Tomoroga Carmen; Dragomirescu Anca Octavia; Dascălu Daniela; Şuta Lenuţa-Maria; Ledeti Ionuţ. Instrumental investigations of promestriene: first report regarding the solid-state characterization and compatibility with pharmaceutical excipients, *Journal of Thermal Analysis and Calorimetry* Volume 148, Issue 10, Pages 4641 – 4649, May 2023.
- 183) 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, *Plants*, 2023,12, Article number 3479.
- 184) Baul Bianca; Ledeti Adriana; Cîrcioban Denisa; Ridichie Amalia; Vlase Titus; Vlase Gabriela; Peter Francisc; Ledeti Ionuţ, Thermal Stability and Kinetics of Degradation of Moxonidine as Pure Ingredient vs. Pharmaceutical Formulation, *Processes*, 2023, 11(6), Article number 1738.
- 185) Vlase Dan; Vlase Gabriela, Ursuț 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, *Ceramics International*, 2023, 49(9), Pages 14941 - 149561 May 2023.
- 186) Budiul Mihaela Maria; Marioane Cristina Adela; Bradu, Ionela-Amalia ; Vlase Gabriela, Vlase Titus. FTIR and thermal studies of medicated jellies with topiramate, *Journal of Thermal Analysis and Calorimetry*, 2023, 148(10), Pages 4589 - 4600.
- 187) Cîrcioban Denisa; Ledeti Ionuț; Vlase Titus; Rusu Gerlinde; Ledeti Adriana; Vlase Gabriela. Stability evaluation and kinetic study for the atypical antidepressant opipramol. *Journal of Thermal Analysis and Calorimetry*, 2023, (Article in press)
- 188) 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)
- 189) 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

B. 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 Timișoara*, 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 Timișoara*, 6 (1997), 129-136
3. Vlase, T., Jurca Gabriela and Doca, N., "Study of the support effect by Non-isothermal kinetics. Molybdenic acid on carborundum and silica", *Annals of West Univ. of Timișoara, 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 Timișoara, 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 Timișoara, Ser. Chem.*, 7 (1998), 15-22.
6. Vlase, T., Tudose, Ramona, Jurca Gabriela, Costișor 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 Timișoara, Ser. Chem.*, 7 (1998), 23-30
7. Vlase, T., Jurca Gabriela, Doca, N., "Support effect by non-isothermal decomposition of copper carboxylates", *Annals of West Univ. of Timișoara, 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 carboxylates", *Annals of West Univ. of Timișoara, 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 Timișoara, 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 Timișoara, 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 Timișoara, 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 Timișoara, ser. chem*, 12(1) 2003, 15-22.
13. Vlase, T., Vlase, G., Chiriac, A., Doca, N., "Comparison of the kinetic parameter values obtaining by different processing methods of the non-isothermal data", *Annals of West University of Timișoara, 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 Timișoara, 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 aliphatic carboxylate of some d and f metals", *Annals of West University of Timișoara, 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 Timișoara, ser. chem*, 12(3) (2003) 315 – 320
17. Muntean Cornelia, Vlase, T., Vlase, G., Iovi A., "Non-isothermal kinetic of a phosphates and nitrates mixture used as fertilizer", *Annals of West University of Timișoara, ser. chem*, 12(3) (2003) 325 – 330
18. 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 Timișoara, ser. chem*, 12(3) (2003) 331 – 338
19. Vlase, G., Birta, N., Doca, N., "Thermal behavior of some sorbitol derivatives used as food additives", *Annals of West University of Timișoara, ser. chem*, 12(3) (2003) 321 – 324.
20. Băbăiță Carmen, Vlase, T., Vlase Gabriela, "Kinetic Analysis on Thermal Decomposition of the Zinc Pyrophosphates Obtained from the System $\text{Na}_4\text{P}_2\text{O}_7\text{-ZnSO}_4$ ", *Annals of West University of Timișoara, ser. chem*, 12(1) (2003) 121.
21. 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 Timișoara, ser. chem*, 21(2) (2012) 103-112
22. 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 Timișoara, ser. chem*, 22(3,4) (2013) 1- 10.
23. 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 Timișoara, ser. chem*, 22(3,4) (2013) 11-21.
24. 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
25. Andreea Nadaban, Gabriela Vlase " The synthesis and Study of some Complexes of Methylenebisalicylic Acid, *New Front.Chem.* (2015) 24(1): 55-60
26. Iolanda Tolan, Gabriela Vlase, Iulia Ceban, T. Cianga, 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.
27. 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
28. C. Bolcu, Dorina Modra, T. Vlase, Corina Duda-Seiman, Gabriela Vlase, Synthesis of 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.
29. 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.

30. 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.
31. 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.
32. 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.

iii) Cărți/Capitole de cărți

1. A. Chiriac, T. Vlase, D. Cîrcioban: "Culegere de exerciții și probleme de cinetică chimică", Editura "MIRTON", Timișoara 1994,(143pagini)
- 2.A. Chiriac V. Chiriac, T. Vlase, M. Daba, V. Chiriac: "Caiet de seminar și lucrări practice de chimie generală", Editura "MIRTON", Timișoara 1994 (105 pagini).
3. N. Doca, T. Vlase, A. Chiriac: "Culegere de probleme la tehnologie chimică generală", Editura "MIRTON", Timișoara 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 și laborator.", Editura "MIRTON", Timișoara 1998, (ISBN 973-578-587-0), (139 pagini).
5. N.Doca, T.Vlase, A.Chiriac, G. Jurca, "Tehnologie chimică generală. Probleme propuse și rezolvate", Ed. "MIRTON", Timișoara 2001, (ISBN 973-585-370-1), (118 pagini).
6. N.Doca, T.Vlase, G.Vlase, "Poluarea. Cauze, efecte, limitare", Ed. "MIRTON". Timișoara 2003, (85 pagini), (ISBN 973-661-192-2).
7. N.Doca, T. Vlase, G.Vlase, "Elemente de cataliză eterogenă", Ed. "MIRTON". Timișoara 2007, (146 pagini), (ISBN 978-973-52-0239-2).
8. Dorina Andru Vangheli, Adrian Neculae, Nicolina Pop, Titus Vlase, Eugenia Tulcan Paulescu, Paul Gavrilă, Silvian Fara, Dumitru Finta, " Celule fotovoltaice nanostructurate" Editura Universității de Vest, Timișoara 2007, ISBN 978- 973-125-110-3 (coautor capitol)
9. Gabriela Vlase, Nicolae Doca, Titus Vlase, "Elemente de chimie coordinativă", Ed. "MIRTON". Timișoara 2009, (156 pagini), ISBN 978-973-52-0580-5
10. **Titus Vlase**, Gabriela Vlase, Nicolae Doca, "Poluanți Anorganici: Surse, Analize, Diminuaere" Ed. Mirton Timișoara 2012, ISBN: 978-973-52-1220-9 (150 pag.)
11. 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)

iv) Lista GRANT-uri

- 1.Contract C.N.C.Ș.U. nr 4012/1995 (4.3.9/2210.09/1995) Tema B2: "Transferul selectiv de energie între faza gazoasă și cea solidă: aplicații la cataliza eterogenă și încălzirea cu microunde", membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).
2. Contract C.N.C.Ș.U. nr 5012/1996 (Tema 3/17.1/1.187/1996): "Transferul selectiv de energie între faza gazoasă și cea solidă: aplicații la cataliza eterogenă și încălzirea cu microunde", membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).
3. Contract C.N.C.Ș.U. nr 7012/1997 (15/1070) Tema B2: "Transferul selectiv de energie între faza gazoasă și cea solidă: aplicații la cataliza eterogenă și încălzirea cu microunde", membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).
- 4.Contract C.N.C.Ș.U. 21/1998 4/28, cu titlul: "Transferul selectiv de energie între faza gazoasă și cea solidă: aplicații la comportarea catalitică și 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 gazoasă și cea solidă: aplicații la efectele de suport și la descompunerea unor precursori complecși.", membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).
- 6.Contract 3525/2000 tema 12 cod 835 "Transferul energetic selectiv interfazic; Aplicații privind efectul de suport și 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 și 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 și 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 substanțelor de interes farmacologic și 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 substanțelor de interes farmacologic și 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 substanțelor de interes farmacologic și alimentar”, membru T.Vlase (Director proiect Prof. dr.ing . N.Doca).
13. Contract CEEEX-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

14. 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
15. Contract MATNANTECH 82/1/2006 Hibridi organici-anorganici cu proprietăți speciale pe bază de compuși organofosforici (1,2 miliarde- 28 luni) – **Partener 1-UVT Responsabil temă Conf. dr. ing.T.Vlase**
16. PN-II, Idei 2008, Cod CNCIS 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**
16. 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
17. POSCCE Grant nr. 12PO102418/5124/22.05.2014, SMIS 50328:”Noi tehnologii eficiente energetic pentru sinteza unor copolimeri esterici” – Resp. UVT. (1054075 lei) – membru Conf. dr. ing.T.Vlase, Responsabil UVT Conf.dr.ing. C.Bolcu
18. 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
19. 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 - Institutul de Chimie Timișoara al Academiei Române, Dr. Chim. Crișan Manuela
20. 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
21. 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
22. 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

v) Congrese și Conferințe Internaționale

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.Costișor, 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”, Chișinău, 7-10 September 1999, p. 98
4. 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”, Chișinău, 7-10 September 1999, p. 140.
5. 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.
6. 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.
7. 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
8. 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.
9. 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.
10. 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.
11. 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.
12. 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
13. 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

14. T.Vlase, G.Vlase, A.Chiriac, N.Doca, "About compensation effect by thermal decomposition of some catalyst precursors", 13th International Congress on Thermal Analysis and Calorimetry, ICTAC 13, September 12-19, 2004, Chia Laguna, Italia, p. 38
15. T.Vlase, G.Vlase, N.Doca, "Processing of non-isothermal TG data. Comparative kinetic analysis with NPK method", 13th International Congress on Thermal Analysis and Calorimetry, ICTAC 13, September 12- 19 2004, Chia Laguna, Italia, p. 39
16. T.Vlase, G.Vlase, N.Doca, "Thermal stability of food additives of glutamate and benzoate type", 13th International Congress on Thermal Analysis and Calorimetry, ICTAC 13, September 12-19 2004, Chia Laguna, Italia, p.254
17. T.Vlase, G.Vlase, N.Doca, "Kinetics of thermal decomposition of alkaline phosphates", 13th International Congress on Thermal Analysis and Calorimetry, ICTAC 13, September 12-19 2004, Chia Laguna, Italia, p.379
18. D.Tița, Gabriela Vlase, B.Tița, N.Doca*, Nicoleta Birta, T. Vlase, "Comparative kinetic study by decomposition of some diazepine derivatives 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
19. 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
20. 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
21. 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
22. 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
23. Gabriela Vlase, T. Vlase, Ramona Tudose, Otilia Costișor, 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
24. Alexandra Ioîtescu, 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
25. Gabriela Vlase, B.Tița, N.Doca, Nicoleta Birta, D.Tița, 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
26. B. Tița, Gabriela Vlase, Daniela Onețiu, Mariana Doca, D.Tița, 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
27. 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
28. 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
29. G.Vlase, T.Vlase, N. Doca, G. Ilia, M. Perța, "Estimation Of Flame Retardant Effect 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 phenitoina pharmaceuticals", The 8th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2007), Palermo, Italy, Sept. 2007, p. 95
31. 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
32. 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
33. N. Doca, G.Vlase, T.Vlase, G. Ilia, A. Ioîtescu, "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
34. 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
35. 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
36. 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
37. 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
38. 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
39. 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
40. 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.
41. 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.

42. 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
43. A. Fuliş, T. Vlase, G. Vlase, N. Doca, “Thermal behaviour of cephalixin in different mixtures”, 9th Mediterranean Conference on Calorimetry and Thermal Analysis MEDICTA -15-18 June Marseille, France, p. 43
44. T. Vlase, O. Ştefănescu, G. Vlase, N. Doca, M. Ştefănescu, “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
45. Oana Ştefănescu, Titus Vlase, Gabriela Vlase, Nicolae Doca, Mircea Ştefănescu, „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
46. 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
47. Adriana Fuliş, Gabriela Vlase, Nicoleta 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
48. Adriana Fuliş, Gabriela Vlase, Titus Vlase, Bogdan Tita, Dumitru Tita, Nicoleta Doca, “Thermal behaviour of Cefadroxil monohydrate. EGA Study”, European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p. 116
49. Corina Duda-Seimann, T. Vlase, Gabriela Vlase, Rodica Cinca, N. Doca, “Thermal behaviour of Verapamil in pure and in solid dosage forms”, European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p. 264
50. Corina Duda-Seimann, T. Vlase, Gabriela Vlase, D. Duda-Seiman, N. Doca, “Thermal Analysis study of Amlodipine as pure compound and in binary system”, European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p.265
51. Mariana Anghel, T. Vlase, P. Albu, Gabriela Vlase, N. Doca, “Thermal behaviour of Glycyrrhetic acid”, European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p.39
52. 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
53. Adriana Fuliş, Gabriela Vlase, Titus Vlase, Bogdan Tita, Nicoleta 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.
54. Adriana Fuliş, Gabriela Vlase, Titus Vlase, Nicolae Doca, Thermoanalytical study of cefadroxil and its mixtures with different excipients, EuroAnalysis 2009, 6-10 septembrie 2009, Innsbruck, Austria, Book of abstracts, poster P139-B1.
55. Mariana Anghel, Gabriela Vlase, T. Vlase, N. Doca, „Thermal behavior of some glycyrrhetic and Betulinic derivatives”, 10th Mediterranean Conference on Calorimetry and Thermal Analysis MEDICTA 2011, Porto, Portugal
56. T. Vlase, P. Albu, Gabriela Vlase, C. Bolcu, E. Sis, N. Doca, „Aminated maltose as reticulant in polyurethane synthesis”, 10th Mediterranean Conference on Calorimetry and Thermal Analysis MEDICTA 2011, Porto, Portugal
57. 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](#)
58. 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](#)
59. Adina-Maria BODESCU, Cecilia SÎRGHIE, Titus VLASE, Nicolae DOCA, “Comparative kinetics studies of thermal decomposition of potassium, respectively sodium oxalato-oxo-diperoxomolibdate”, 15-th International Congress on Thermal Analysis and Calorimetry (ICTAC 15, august 2012, Osaka, Japan) [IC-PH-PS-22](#)
60. 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](#)
61. T. Vlase, P. Albu, Gabriela Vlase, C. Bolcu, E. Sis, N. Doca, Mariana Anghel, “Thermal behavior of some polyurethanes reticulated by aminated maltose”, 15-th International Congress on Thermal Analysis and Calorimetry (ICTAC 15, august 2012, Osaka, Japan), [IC- PO-PS-8](#)
62. 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](#)
63. 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](#)
64. 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](#)
65. O. Ştefănescu, T. Vlase, S. Sorescu, P. Barvinschi, M. Ştefănescu, “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](#)
66. 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](#)
67. 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
68. Adriana Fuliş, 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
69. T. Vlase, C. Bolcu, Dorina Modra, Gabriela Vlase, N. Doca, “Thermal behavior of some diisocyanate- 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
71. 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

72. T. Vlase, A. Popa, G. Ilia, N. Doca, "Thermogravimetric and spectrometric characterization of styrene-divinylbenzene copolymer containing benzaldehyde and isopropylaminophosphonic acid", 11th Conference on Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p. 123
73. 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
74. 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
75. Ionuț Ledeti, Adriana Fulias, 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
76. Adriana Fulias, Ionuț Ledeti, Gabriela Vlase, Titus Vlase, Daniela Onetiu, 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.
77. Adriana Fulias, Ionuț Ledeti, 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.
78. Ionuț Ledeti, Adriana Fulias, Maria Ilici, Vasile Bercean, Gabriela Vlase, Paul Albu, Violeta Turcus, 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.
79. Adriana Fulias, Gabriela Vlase, Titus Vlase, Vasile Bercean, Ionuț Ledeti, 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.
80. Adriana Fulias, Gabriela Vlase, Titus Vlase, Ionuț 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.
81. Ionuț 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
82. Ionuț 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.
83. Ionuț 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.
84. Ionuț 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.
85. 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 Russia, (RTAC-2013), Saint Petersburg 23-28 September 2013,
86. Ionuț Ledeti, Gabriela Vlase, Anamaria Todea, Titus Vlase, Adriana Fulias, "Thermal characterization of polymeric coating for pharmaceutical dosage form", Polymer and Organic chemistry 2014, (POC 2014) June 10-13, 2014, Timisoara, Romania.
87. Adriana Fulias, Vasile Berceanu, Gabriela Vlase, Titus Vlase, Ionuț Ledeti, "Spectroscopic and Thermal contributions regarding the synthesis of betulonic acid by selective oxidation of betulin", ICCE-22 Annual International Conference on Composites or Nano Engineering, Malta July 13-19 2014.
88. A. Fulias, I. Ledeti, L.M. Șuta, G. Vlase, T. Vlase, "Kinetic study of betulonic acid", 5-th EuCheMS Chemistry Congress, August 31-september 4, 2014, Istanbul, Turkey.
89. Mircea Stefanescu, Marius Bozdog, Cornelia Munteanu, Titus Vlase, Oana Stefanescu, "Preparation and characterization of $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ 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.
90. Adriana Fulias, Gabriela Vlase, Lenuta-Maria Suta, Codruta Soica, Titus Vlase, Ionuț Ledeti, Screening and characterization of cocrystal formation of carbamazepine with succinic acid, XXXVI, AICAT Congress, Cagliari, Sept. 8-11 2014, p.78
91. Adriana Fulias, Gabriela Vlase, Lenuta Maria-Suta, Codruta Soica, Titus Vlase, Ionuț Ledeti, Ketoprofen-Cysteine cocrystal-Synthesis, thermal analysis and FTIR spectroscopy investigation. XXXVI, AICAT Congress, Cagliari, Sept. 8-11 2014, p.77
92. Ionuț 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, Cagliari, Sept. 8-11 2014, p. 81
93. Ionuț 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, Cagliari, Sept. 8-11 2014, p. 80
94. Ionuț Ledeti, Gabriela Vlase, Titus Vlase, Cristina Patrutescu, Vasile Berceanu, Adriana Fulias, Kinetic of solid-state degradation of transitional coordinative compounds containing 1,2,4-triazolic ligand., XXXVI, AICAT Congress, Cagliari, Sept. 8-11 2014, p. 84
95. Constantin Bolcu, Dorina Modra, Gabriela Vlase, Paul Albu, Titus Vlase, Influence of nature of the chain breaker on the thermal stability of phthalic anhydride based polyesters, XXXVI, AICAT Congress, Cagliari, Sept. 8-11 2014, p. 34-35
96. 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, Cagliari, Sept. 8-11 2014, p. 91-92
97. 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, Cagliari, Sept. 8-11 2014, 73-74
98. 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, Cagliari, Sept. 8-11 2014, p. 29

99. Cristina Patrutescu, Paul Albu, Titus Vlase, Dorina Ardelean, Gabriela Vlase, TG/DTG/DTA used for determining the kinetic parameters of an immunosuppressive agent mycophenolate mofetil., XXXVI, AICAT Congress, Cagliari, Sept. 8-11 2014, p. 85.

100. 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.

101. Adriana Fulias, Gabriela Vlase, Titus Vlase, Alin Mogos, Lenuta-Maria Suta, Ionut Ledeti, Theophylline 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

102. 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

103. Ionuț Ledeti, Gabriela Vlase, Titus Vlase, Ionel Ciucanu, Adriana Fulias, Comparative thermal stability of two similar-structure hypolipidemic agents – simvastatin and lovastatin. Kinetic study, Invited ORAL, Code: M84, Medicta 2015 Mediterranean Conference on Thermal Analysis and Calorimetry, June 17- 19, 2015, Girona, Spain

104. Ionuț Ledeti, Vasile Bercean , Gabriela Vlase, Titus Vlase, Adriana Fulias, New derivatives obtained via functionalization of betulonic acid by condensation with amino compounds, Poster, Code: M85, Medicta 2015 Mediterranean Conference on Thermal Analysis and Calorimetry, June 17-19, 2015, Girona, Spain

105. Adriana Fulias, Vasile Bercean, Gabriela Vlase, Titus Vlase, Ionuț Ledeti, Study of thermal degradation of new compounds bearing triterpenic moiety, Poster, Code: M86, Medicta 2015 Mediterranean Conference on Thermal Analysis and Calorimetry, June 17- 19, 2015, Girona, Spain

106. Adriana Fulias, Gabriela Vlase, Titus Vlase, Lenuța-Maria Suta, Ionuț Ledeti, Thermal degradation of two pentacyclic triterpene acids: oleanolic and ursolic. Kinetic study Poster, Code: M87, Medicta 2015 Mediterranean Conference on Thermal Analysis and Calorimetry, June 17-19, 2015, Girona, Spain

107. 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

108. Ionuț Ledeti, Gabriela Vlase, Tudor Olariu, Adriana Fulias, 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

109. 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

110. 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

111. 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

112. 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

113. Roxana Blajovan, Gabriela Vlase, Ionuț Ledeti, Adriana Fulias, 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

114. Roxana Blajovan, Gabriela Vlase, Ionuț Ledeti, Adriana Fulias, 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

115. 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

116. 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

117. 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

118. 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

119. 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

120. 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

121. Gabriela Vlaşe, Dorin Jurcău, Anca Marc, Titus Vlaşe, 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

122. Gabriela Vlaşe, Ionuț Ledeti, Titus Vlaşe, Adriana Fuliș, 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

123. Paul Albu, Gabriela Vlaşe, Titus Vlaşe, 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

124. Ionuț Ledeti, Gabriela Vlaşe, Titus Vlaşe, Adriana Fuliș, Nicolae Doca, Thermoanalytical screening of potential metoclopramide-exciipient 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

125. Sorin Doca, Nicolae Doca, Marius Pricop, Horatiu Urechescu, Gabriela Vlaşe, Titus Vlaşe, 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

126. Ionuț Ledeti, Doina Piciu, Gabriela Vlaşe, Titus Vlaşe, Adriana Fuliș, 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

127. Ionuț Ledeti, Gabriela Vlaşe, Titus Vlaşe, Lenuța-Maria Șuta, Ionel Ciucanu, Adriana Fuliș, 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

128. Adriana Fuliș, Gabriela Vlaşe, Titus Vlaşe, Lenuța-Maria Șuta, Ionuț Ledeti, 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

129. Adriana Fuliș, Gabriela Vlaşe, Titus Vlaşe, Lenuța Șuta, Ionuț Ledeti, 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

130. P. Sfirloaga, C. Ianasi, T. Vlaşe, P. Vlăzan, Synthesis and morpho-structural characterization of NaTaO₃ nanomaterials obtained by a fast synthesis method, 3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC3) 25-28 August 2015, Ljubljana, Slovenia

131. Mihaela Maria Budiul, Iuliana Lacrămiorara Axinte, Gabriela Vlaşe, Titus Vlaşe, Paul Albu, Evaluation of the effect of functional groups on the thermal stability of adamantane derivatives. Case study: adamantane- 2- one and memantine hydrochloride, 25th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 28, Book of abstract, pg. 70.

132. Iuliana Lacrămiorara Axinte, Gabriela Vlaşe, Titus Vlaşe, Thermally induced interaction by models of commercial meat products, 25th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 29, Book of abstract, pg. 71.

133. Adriana Ledeti, Gabriela Vlaşe, Lenuta- Maria Suta, Titus Vlaşe, Ionut Ledeti, Kinetic study in class of three tricyclic antidepressants: Amitriptyline, Desipramine and Imipramine, 25th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 30, Book of abstract, pg. 72.

134. Ionuț Ledeti, Gabriela Vlaşe, Adriana Ledeti, Lenuta- Maria Suta, Titus Vlaşe, Nortriptyline-study of solid- state compatibility with pharmaceutical excipients, 25th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 31, Book of abstract, pg. 73.

135. Lenuta- Maria Suta, Gabriela Vlaşe, Ionuț Ledeti, Titus Vlaşe, Adriana Ledeti, Screening of binary adduct formation of Desipramine with different carboxylic acids, 25th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 32, Book of abstract, pg. 74.

136. Manuela Crișan, Gabriela Vlaşe, Titus Vlaşe, Thermal and kinetics of primary, secondary and tertiary alkanolammonium salts of p-nitrobenzoic acid, 25th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 33, Book of abstract, pg. 75.

137. Paul Albu, Mihaela Maria Budiul, Gabriela Vlaşe, Titus Vlaşe, Compatibility studies of Mycophenolate mofetil in binary mixtures with different excipients, 25th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 34, Book of abstract, pg. 76

138. Gabriela Vlaşe, Adriana Ledeti, Ionut Ledeti, Titus Vlaşe, 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

139. DONEPEZIL AND PHARMACEUTICAL EXCIPIENTS, P 19 , Book of Abstracts AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p. 63

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

GICAT2016 - September 25-28, 2016, Ischia (NA), Italy, p. 88

141. Roxana Blajovan, Adriana Ledeti, Gabriela Vlase, Ionuț Ledeti, Paul Albu, Titus Vlase, P 44 , Book of Abstracts AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p. 89

142. Mihaela Budiul, Gabriela Vlase, Paul Albu, Adriana Ledeti, Ionuț Ledeti, Titus Vlase, P 45 , Book of Abstracts AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p. 90

143. Paul Albu, Gabriela Vlase, Titus Vlase, Nicolae Doca, AN ATTEMPT TO DETERMINE THE THERMAL INDUCED DEGRADATION MECHANISM FOR ZOEDRONIC ACID, AN OSSEOINTEGRATION AGENT , P 11 , Book of Abstracts AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p. 54

144. Sorin Cristian Doca, Gabriela Vlase, Titus Vlase, Nicolae Doca, THERMALLY INDUCED PROCESSE IN ALENDRONATE-CONTAINING SOLID FORMULATION, , P 12 , Book of Abstracts AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p. 55

145. Adriana Ledeti, Gabriela Vlase, Titus Vlase, Denisa Circioban, Cristina Dehelean, Lenuta-Maria Suta, Ionut Ledeti, BINARY MIXTURES OF DESIPRAMINE AND EXCIPIENTS -COMPATIBILITY STUDIES, P 17 , Book of Abstracts AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p. 61

146. Adriana Ledeti, Gabriela Vlase, Titus Vlase, Denisa Circioban, Cristina Dehelean, Lenuta-Maria Suta, Ionut Ledeti, SOLID-STATE CHARACTERIZATION OF LEVODOPA –PREFORMULATION STUDIES, P 18 , Book of Abstracts AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p. 62

147. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Cristina Dehelean, Denisa Circioban, Lenuta-Maria Suta, Adriana Ledeti, STUDY OF COMPATIBILITY OF Circioban, Lenuta-Maria Suta, Adriana Ledeti, NORTRIPTYLINE-KINETIC APPROACH OF THERMAL DEGRADATION, P 20 , Book of Abstracts AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p. 64

148. Adriana LEDEȚI, Denisa CIRCIOBAN, Gabriela VLASE, Angelica CAUNII, Lenuța-Maria ȘUTA, Titus VLASE, Ionuț LEDEȚI, Thermal analysis and kinetic study of deprenyl hydrochloride, Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chișinău, Moldova

149. Marius MURARIU, Ionuț LEDEȚI, Denisa CIRCIOBAN, Gabriela VLASE, Carmen AXENTE, Lenuța-Maria ȘUTA, Titus VLASE, Adriana LEDEȚI, 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, Chișinău, Moldova

150. Ionuț LEDEȚI, Denisa CIRCIOBAN, Gabriela VLASE, Marius MURARIU, Adriana LEDEȚI, Lenuța-Maria ȘUTA, 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, Chișinău, Moldova

151. Ionuț LEDEȚI, Lenuța-Maria ȘUTA, Marius MURARIU, Denisa CIRCIOBAN, Gabriela VLASE, Adriana LEDEȚI, 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, Chișinău, Moldova

152. Denisa CIRCIOBAN, Ionuț LEDEȚI, Gabriela VLASE, Adriana LEDEȚI, Titus VLASE, Cristina DEHELEAN, Thermal degradation, kinetic analysis and evaluation of biological activity on human melanoma for artemisinin, , Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chișinău, Moldova

153. Gabriela VLASE, Adriana LEDEȚI, Denisa CIRCIOBAN, Marius MURARIU, Angelica CAUNII, Ionuț LEDEȚI, Titus VLASE, Thermal characterization of rivastigmine, , Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chișinău, Moldova

154. Gabriela VLASE, Paul ALBU, Adriana LEDEȚI, Denisa CIRCIOBAN, Marius MURARIU, Angelica CAUNII, Ionuț LEDEȚI, 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, Chișinău, Moldova

155. Marius MURARIU , Sorin OLARIU , Codruț IVAN , Ionuț LEDEȚI , Denisa CIRCIOBAN, Gabriela VLASE , Adriana LEDEȚI , 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, Chișinău, Moldova

156. Denisa CIRCIOBAN, Nicolae DOCA, Ionuț LEDEȚI , Gabriela VLASE , Adriana LEDEȚI , 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, Chișinău, Moldova

157. 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, Chișinău, Moldova

158. 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, Chișinău, Moldova

159. 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, Chișinău, Moldova

160. Manuela CRISAN, Titus VLASE, Paulina BOUROSH, Yurii CHUMAKOV, Elisabeta I. SZERB, Mihaela PETRIC, An investigation into the crystal formation and thermal induced processes of dimethylethanolammonium 4-nitrobenzoate, , Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chișinău, Moldova

161. Manuela CRISAN, Nicoleta PLESU, Titus VLASE, Mihaela PETRIC, Lilia CROITOR, Victor KRAVTSOV, Paulina BOUROSH, Synthesis, structural characterization, thermal studies, and corrosion inhibitor properties of ethylethanolammonium 4- nitrobenzoate organic salt, , Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chișinău, Moldova

162. Denisa Cîrcioban, Ionuț Ledeti, Gabriela Vlase, Adriana Ledeti, 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

163. Denisa Cîrcioban, Ionuț Ledeti, Gabriela Vlase, Adriana Ledeti, 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

164. Adriana Ledeti, Denisa Cîrcioban, Gabriela Vlase, Marius Murariu, Ionuț Ledeti, Lenuța-Maria Șuta, 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

165. Ionuț Ledeti, Adriana Ledeti, Lenuța-Maria Șuta, 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

166. Ionuț Ledeti, Marius Murariu, Sorin Olariu, Codruț Ivan, Denisa Cîrcioban, Gabriela Vlase, Adriana Ledeti, 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

167. Adriana Ledeti, Denisa Cîrcioban, Gabriela Vlase, Angelica Caunii, Lenuța-Maria Șuta, Titus Vlase, Marius Murariu, Ionuț Ledeti, 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

168. Adriana Ledeti, Mihaela Cristea, Gabriela Vlase, Titus Vlase, Bozena Karolewic, Oana Stefanescu, Ionuț Ledeti. Kinetic Study for Heterogeneous Decomposition of Atorvastatin – Active Substance and a Generic Pharmaceutical Formulation. Book of Abstracts, 12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Brașov, Romania PS2. 141, p. 507

169. Mihaela Cristea, Ionuț Ledeti, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Bozena Karolewic, Oana Stefanescu, Mircea Stefanescu. Preformulation studies for atorvastatin – an instrumental approach. Book of Abstracts, 12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Brașov, Romania PS2. 140, p. 506

170. Laura Sbarcea, Adriana Ledeti, Lucreția Udrescu, Paul Barvinschi, Gabriela Vlase, Ionuț Ledeti. Characterization of Betulonic acid – cyclodextrins inclusion complexes. Book of Abstracts, 12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Brașov, Romania. PS2. 157, p. 523

171. Mircea Stefanescu, Cornelia Muntean, Eniko Berei, Titus Vlase, Oana Stefanescu. Preparation and characterization of CuCr2O4/SiO2 and Cu2Cr2O4/SiO2 nanocomposites obtained from carboxylate type complexes. Book of Abstracts, 12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Brașov, Romania PS1 163, p. 347

172. Mădălin BUNOIU¹, Gabriela VLASE², Ioan BICA¹, Titus VLASE. Study of thermal stability of some magnetorheometric elastomers. Book of Abstracts, 12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Brașov, Romania. PS2.160, p. 526

173. Moșoiu CODRUȚA¹, Stefana DEZSI¹, Dan VLASE², Mădălina MATEESCU¹, Gabriela VLASE¹, Titus VLASE. TG-DTA and FTIR analyses of roman and later historic mortars from Drobeta-Turnu Severin region. Book of Abstracts, 12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Brașov, Romania PS2.161, p. 527

174. Mădălina MATEESCU¹, Liviana POPESCU², Gabriela VLASE¹, Alexandru PAHOMI¹, Daniela JUMANCA², Titus VLASE. Comparative study regarding thermal behaviour of mixtures based on hydroxyapatite and methacrylate for dental use. Book of Abstracts, 12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Brașov, Romania. PS1.147, p. 331

175. Liviana POPESCU¹, Mădălina MATEESCU², Gabriela VLASE², Daniela JUMANCA¹, Titus VLASE. Study of thermally induced interactions between theobromine and various sweeteners. Book of Abstracts, 12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Brașov, Romania. PS1.147, p. 331

176. Stefana DEZSI¹, Moșoiu CODRUȚA¹, Dan VLASE², Octavian Rogozea³, Gabriela VLASE¹, Titus VLASE. Thermoanalytical investigations of some ceramics dated from the Neolithic period, discovered at Oxamplatz, Sănandrei, Romania. Book of Abstracts, 12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Brașov, Romania. PS2.162, p. 528

177. Gabriela VLASE¹, Mădălina MATEESCU¹, Gheorghe ILIA^{2,3}, Titus VLASE¹. Thermal and FT-IR study of hydroxyapatite precursors obtained from different phosphates. Book of Abstracts, 12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Brașov, Romania. PS2.162, p. 528

178. Alexandra TOMA¹, Gabriela VLASE², Nicolae DOCA², Gheorghe ILIA^{1,3}, Titus VLASE. Synthesis and characterisation of some metals doped hydroxyapatite with possible medical applications. Book of Abstracts, 12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Brașov, Romania. PS1. 139, p.323

179. Alexandru PAHOMI¹, Gabriela VLASE¹, Alexandra TOMA², Nicolae DOCA¹, Gheorghe ILIA^{2,3}, Titus VLASE. Synthesis, thermal behaviour and FT-IR study of some hydroxyapatite precursors doped with two metals. Book of Abstracts, 12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Brașov, Romania. PS1. 140, p.324

180. Bianca Beatrice Baul, Lenuța-Maria Șuta, Anca Dragomirescu, Cornelia Muntean, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Cezara Mureșan, Ionuț Ledeti, **Preformulation studies for mycophenolic acid for solid dosage forms**, Book of Abstracts of the 28th Symposium on Thermal Analysis and Calorimetry – Eugen Segal – of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR28) & 2nd Symposium on Thermal Analysis and Calorimetry of Moldova (MoldTAC2), 9-10 May 2019, Timișoara, Romania, p. 34

181. Cosmina Bengescu, Anca Dragomirescu, Adriana Ledeti, Mirabela Romanescu, Gabriela Vlase, Titus Vlase, Lenuța-Maria Șuta, Denisa Cîrcioban, Cornelia Muntean, Ionuț Ledeti, **First report regarding the solid state compatibility between synthetic steroidal estrogen promestriene and pharmaceutical excipients**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 35

182. Valentina Buda, Gabriela Vlase, Titus Vlase, Anca Dragomirescu, Adriana Ledeti, Minodora Andor, Corina Danciu, Ionuț Ledeti, **Heterogenous degradation of candesartan – active pharmaceutical ingredient and solid dosage form**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 36

183. Denisa Cîrcioban, Adriana Ledeti, Gabriela Vlase, Ionuț Ledeti, Titus Vlase, Renata Văruț, Ioana Zinuca Pavel, Cristina Dehelean, **Physico-chemical and biological evaluation of inclusion complexes containing artesunate**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 37

184. Anca Dragomirescu, Lenuța-Maria Șuta, Cornelia Muntean, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Bianca Beatrice Baul, Lavinia Stelea, Ionuț Ledeti, **Solid state stability of topical antibiotic pseudomonic acid used against superficial skin infections**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 38

185. Adriana Ledeti, Mirabela Romanescu, Gabriela Vlase, Titus Vlase, Cornelia Muntean, Anca Dragomirescu, Lenuța-Maria Șuta, Denisa Cîrcioban, Cezara Mureșan, Ionuț Ledeti, **Compatibility study of Desogestrel with pharmaceutical excipients in solid state**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 39
186. Ionuț Ledeti, Sebastian Simu, Carmen Axente, Denisa Cîrcioban, Binca Baul, Gabriela Vlase, Titus Vlas, Anca Dragomirescu, Adriana Ledeti, **Comparative solid state stability of three glucocorticoid hormones: prednisolone, prednisone and cortisone**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 40
187. Cezara Mureșan, Ionuț Ledeti, Gabriela Vlase, Titus Vlase, Anca Dragomirescu, Carmen Axente, Valentina Buda, Denisa Cîrcioban, Adriana Ledeti, **Stability screening of folic acid in solid state – active ingredient and pharmaceutical formulation**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 41
188. Claudia Olteanu¹, Anamaria Todea¹, Adriana Ledeti², Gabriela Vlase³, Titus Vlase³, Lenuța-Maria Șuta², Anca Dragomirescu², Cornelia Muntean^{1,4}, Daniela Stoin⁵, Ionuț Ledeti, **Preliminary characterization of some inclusion complexes of volatile oils with functionalised cyclodextrins**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 42
189. Iulia Păușescu, Anamaria Todea, Valentin Badea, Francisc Peter, Mihai Medeleanu, Ionuț Ledeti, Gabriela Vlase, Titus Vlase, **Intelligent pH indicators films based on chitosan/PVA and xanthylum dye**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 43
190. Mirabela Romanescu, Adriana Ledeti, Cornelia Muntean, Gabriela Vlase, Titus Vlase, Anca Dragomirescu, Lenuța-Maria Șuta, Denisa Cîrcioban, Ionuț Ledeti, **Instrumental investigations regarding solid state compatibility between Levothyroxine Sodium and pharmaceutical excipients**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 44
191. Laura Sbârcea, Ionuț Mihai Tănase, Adriana Ledeti, Gabriela Vlase, Anca Dragomirescu, Carmen Axente, Ionuț Ledeti, **Preparation and physico-chemical characterization of host-guest systems of aripiprazole and functionalized cyclodextrins**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 45
192. Lenuța-Maria Șuta, Anca Dragomirescu, Cornelia Muntean, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Bianca Beatrice Baul, Lavinia Stelea, Ionuț Ledeti, **Preformulation studies for antiandrogen drug bicalutamid**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 46
193. Ionuț Mihai Tănase, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Lenuța-Maria Șuta, Anca Dragomirescu, Cornelia Muntean, Ionuț Ledeti, **Searching of solid-state interactions between pharmaceutical excipients - carboxymethylcellulose sodium and microcrystalline cellulose**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 47
194. Ionuț Ledeti, Cristina Trandafirescu, Roxana Racoviceanu, Denisa Cîrcioban, Gabriela Vlase, Titus Vlase, Cristina Dehelean, Anca Dragomirescu, Adriana Ledeti, **Comparative evaluation of heterogenous degradation of mebendazole, fenbendazole and flubendazole**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 49
195. Maria Elena Radulescu-Grad, Gabriela Vlase, Gheorghe Ilia, Simona Gabriela Muntean, Adelina Andelesc, **Termoanalytical study of Amido black 10B dye cooper complex**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 50
196. Manuela Crisan, Mihaela Petric, Gabriela Vlase, Titus Vlase, Paulina Bourosh, Anatolii V. Simine³, Lilia Croitor, **Thermal behaviour, structural and luminescent investigations of new protic ionic liquids based on diethylethanolamine and 4- nitrobenzoic acid**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 55
197. Mihaela Petric, Lilia Croitor, Gabriela Vlase, Titus Vlase, Paulina Bourosh, Victor Kravtsov, Gheorghe Ilia, Manuela Crisan, **Thermogravimetric and kinetic study of new bis(iminophosphorane)ethane clathrates**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 56
198. Lilia Croitor, Mihaela Petric, Gabriela Vlase, Titus Vlase, Paulina Bourosh, Anatolii V. Siminel, Manuela Crisan, **A comparative thermal, structural and luminescence studies of 2-chloro-5-nitrobenzoate salts**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 57
199. Alexandru Pahomi, Vlad Chiriac, Gabriela Vlase, Titus Vlase, Paul Albu, Gheorghe Ilia, **Preliminary studies on a novel method of synthesis for hydroxyapatite**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 59
200. Daniela JUMANCA, Gabriela VLASE, Titus VLASE, Mădălina MATEESCU, **Thermal and FTIR characterization of medicated jelly with betulin and betulinic acid**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 69
201. Dan VLASE, Gabriela VLASE, Titus VLASE, Mădălin BUNOIU, Paul BARVINSCHI, **FT-IR, TG/DTG/HF, SEM and XRD analysis of some pottery and soil samples from Iernut**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 71
202. Dan VLASE, Codruța MOȘOIU, Gabriela VLASE, Titus VLASE, **Comparative analyses of Roman mortars belonging to different ancient periods from Drobeta-Turnu Severin region**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 72
203. Cristina Bugnariu, Gabriela Vlase, Titus Vlase, **Thermally induced interaction by models of commercial meat products**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 73
204. Dorothea Bajas, Titus Vlase, Gabriela Vlase, **Obtaining and Characterization of some alginate based membranes for possible transdermal drug delivery applications of methotrexate**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 74
205. Paul Albu, Dorothea Bajas, Mădălina Mateescu, Gabriela Vlase, Titus Vlase, **Interaction study of different mixtures with Leflunomide for transdermal drug delivery applications**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 75
206. Paul Albu, Dorothea Bajas, Titus Vlase, Gabriela Vlase, **Thermal characterization of different membrane with Riluzole for amyotrophic lateral sclerosis treatment**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 76
207. Mădălina MATEESCU, Gabriela VLASE, Titus VLASE, **Preparative study for medicated chewing gums formulation with applications in dental caries prevention**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 77
208. Dan VLASE, Dragoș DIACONESCU, Victor BUNOIU, Mădălin BUNOIU, Paul BARVINSCHI, Titus VLASE, **FT-IR, TG/DTG/HF, SEM-EDX and XRD investigations regarding adornment pieces from Susani (Timiș County, Romania)**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 70
209. Vlase, Titus; Crisan, Manuela; Vlase, Gabriela; Petric, Mihaela; Croitor, Lilia; Bodnarescu, Florin; Sumalan, Radu; Ilia, Gheorghe;

Bourosh, Pavlina. Advances in a new multicomponent crystal system: synthesis, structure, thermal and kinetic investigations and biological activity. ID 189-2nd Journal of Thermal Analysis and Calorimetry Conference (2nd JTACC+V4 2019) June 18–21, 2019 Budapest, Hungary

210. 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

211. 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

212. Mădălina MATEESCU, Adriana LEDEȚI, Ionuț LEDEȚI, Gabriela VLASE, Titus VLASE. Preparative study for preparation and analysis of medicated jelly with Ibuprofen and Ambroxol **Book of Abstract CEEC-TAC5 & Medicta 2019, August 2019 Roma, Italy** p.389

213. Gabriela VLASE, Mădălina MATEESCU, Dorothea BAJAȘ, Gheorghe ILIA, Paula SFÂRLOAGĂ, Titus VLASE. Influence of the nature of phosphates on the properties and thermal behaviour of hydroxyapatite bioceramic precursors **Book of Abstract CEEC-TAC5 & Medicta 2019, August 2019 Roma, Italy** p.412

214. Mădălina MATEESCU, Daniela JUMANCA, Adriana LEDEȚI, Ionuț LEDEȚI, Gabriela VLASE, Titus VLASE Study for formulation of medicated vehicle with different antibiotics with application in stomatology **Book of Abstract CEEC-TAC5 & Medicta 2019, August 2019 Roma, Italy** p.413

215. Adriana LEDETI, Denisa CIRCIOBAN, Gabriela VLASE, Titus VLASE, Anca DRAGOMIRESCU, Lenuta-Maria SUTA, Cornelia MUNTEAN, Bianca BAUL, Ionut LEDETI. Solid-state compatibility study between prednisone and pharmaceutical excipients **Book of Abstract CEEC-TAC5 & Medicta 2019, August 2019 Roma, Italy** p.375

216. Denisa CIRCIOBAN, Ionut LEDETI, Lenuta-Maria ȘUTA, Gabriela VLASE, Adriana LEDETI, Titus VLASE, Renata VARUT, Cristina DEHELEAN. Thermal analysis and molecular modelling of inclusion complexes containing artesunate. **Book of Abstract CEEC-TAC5 & Medicta 2019, August 2019 Roma, Italy** p.376

217. Adriana LEDETI, Denisa CIRCIOBAN, Carmen AXENTE, Gabriela VLASE, Titus VLASE, Valentina BUDA, Oana SUCIU, Cezara MURESAN, Ionut LEDETI. Thermal analysis and kinetic degradation study for corticosteroid drug fludrocortisone **Book of Abstract CEEC-TAC5 & Medicta 2019, August 2019 Roma, Italy** p.383

218. Denisa CIRCIOBAN, Adriana LEDETI, Gabriela VLASE, Titus VLASE, Cristina DEHELEAN, Ionut LEDETI. Thermal stability and kinetic degradation study for dihydroartemisinin **Book of Abstract CEEC-TAC5 & Medicta 2019, August 2019 Roma, Italy** p.384

219. Ionut LEDETI, Mirabela ROMANESCU, Denisa CIRCIOBAN, Gabriela VLASE, Titus VLASE, Laura SBARCEA, Oana SUCIU, Cezara MURESAN, Marius MURARIU, Adriana LEDETI. Search of interaction between prednisolone and pharmaceutical excipients in solid binary mixtures **Book of Abstract CEEC-TAC5 & Medicta 2019, August 2019 Roma, Italy** p. 385

220. Ionuț-Mihai TANASE, Laura SBARCEA, Adriana LEDETI, Paul BARVINSCHI, Gabriela VLASE, Lenuta-Maria SUTA, Ionut LEDETI Aripiprazole - heptakis(2,6-di-O-methyl)-p-cyclodextrin inclusion complex. Compatibility studies with pharmaceutical excipients **Book of Abstract CEEC-TAC5 & Medicta 2019, August 2019 Roma, Italy** p.386

221. Paula SFIRLOAGA, Gabriela VLASE, Paulina VLAZAN. Investigation of thermal behaviour for materials based on lanthanum manganite with nitrogen addition **Book of Abstract CEEC-TAC5 & Medicta 2019, August 2019 Roma, Italy** p.404

222. Paula SFIRLOAGA, Titus VLASE, Dan ROSU, Paulina VLAZAN. Phase transitions in perovskite-type manganites and effect of Ag-doping on its physico-chemical properties **Book of Abstract CEEC-TAC5 & Medicta 2019, August 2019 Roma, Italy** p.405

223. Gabriela URSUȚ, Dan VLASE, Gabriela VLASE, Paula SFÂRLOAGĂ, Titus VLASE. Characteristics of late Neolithic pottery of the Zau Culture :analysis of pottery samples from Iernut-Site II (Mures County, Romania), Book of Abstract XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 2021, Udine, Italy, p. 73

224. Gabriela URSUȚ, Dan VLASE, Gabriela VLASE, Paula SFÂRLOAGĂ, Titus VLASE. Regarding the technology and origin of late Neolithic and Eneolithic pottery: analysis of pottery and soil samples from the Foeni Tell-Orthodox Cemetery (Timis County, Romania), Book of Abstract XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 2021, Udine, Italy, p. 75

225. Florin MANEA, Titus VLASE, Maria PRODAN, Sonia ȘUVAR, Emilian GHICIOI, Investigation of kinetics, thermal behaviors and evolved gases of gel explosive. Book of Abstract XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 2021, Udine, Italy, p. 125

226. Dan VLASE, Gabriela VLASE, Iosif Vasile FERENCZ, Paula SFÂRLOAGĂ, Dorel MICLE, Titus VLASE. Comparative thermal and hyphenated analysis of different mortars samples from Deva region. Book of Abstract XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 2021, Udine, Italy, p. 127

227. Bianca Baul, Denisa Cîrcioaban, Carmen Tomoroga, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Laura Sbârcea, Francisc Peter, Ionuț Ledeti, Thermal stability of antihypertensive drug moxonidine – an isoconversional kinetic study.

Book of Abstract XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 2021, Udine, Italy, p. 131

228. Manuela E. Crisan, Lilia Croitor, Paulina N. Bouroush, Gabriela Vlase, Titus Vlase, Structural and thermal characterization of polymorphic system metilethanolammonium 2-chloro-4-nitrobenzoate. Book of Abstract XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 2021, Udine, Italy, p. 133

229. Mihaela F. Petric, Manuela E. Crisan, Lilia Croitor, Paulina N. Bouroush, Gabriela Vlase, Titus Vlase. Substituent effect on crystal structure and thermal stability of iminophosphoranes . Book of Abstract XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 2021, Udine, Italy, p.135

230. Bianca Baul, Denisa Cîrcioaban, Valentina Buda, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Laura Sbârcea, Francisc Peter, Ionuț Ledeti. Solid-state stability of valsartan – an isoconversional kinetic study for drug and pharmaceutical formulation. Book of Abstract XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 2021, Udine, Italy, p.137

231. Ionuț Tănase, Denisa Cîrcioaban, Adriana Ledeti, Gabriela Vlase, Șuta Lenuța-Maria, Laura Sbârcea, Titus Vlase, Daniela Dascălu, Ionuț Ledeti. Preformulation studies for aripiprazole and risperidone – an instrumental approach. Book of Abstract XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 2021, Udine,

Italy, p.139

232. Mădălina Mateescu, Cristina Bugnariu, Daniela Jumanca, Gabriela Vlase, Titus Vlase, Preliminary study for preparation of buccal patch with lidocaine and acyclovir. Book of Abstract XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 2021, Udine, Italy, p.141

233. Mădălina MATEESCU, Daniel NEGRU, Bianca-Denisa CERNUȘCĂ, Daniela JUMANCA, Gabriela VLASE, Titus VLASE. Preliminary study for the preparation of the antibiotic medicated vehicle with stomatological applicability. . Book of Abstract XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 2021, Udine, Italy, p.153

234. Bianca-Denisa CERNUȘCĂ, Gabriela VLASE, Titus VLASE. Thermal stability of antihypertensive drugs from sartans class. Book of Abstract XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 2021, Udine, Italy, p.155

235. Dan Vlase, Gabriela Vlase, Gabriela Ursuț, Paula Sfirloagă, Florin Manea, Andrei Rotaru, Titus Vlase . *Investigation of prehistoric ceramics (pottery and clays) from the west of Romania using thermal analysis and complementary techniques* 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

236. Mădălina Mateescu, Gabriela Vlase, Titus Vlase, Preparation and characterization of medicated jelly based on Ibuprofen or Ambroxol. 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

237. 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

238. Ionut-Mihai Tănase, Denisa Cîrcioban, Adriana Ledetî, Gabriela Vlase, Titus Vlase, Laura Sbârcea, Lenuța-Maria Șuta, Germaine Săvoiu-Balint, Daniela Dascălu, Ionuț Ledetî. Instrumental screening of solid-state preformulation for two atypical antipsychotic agents: aripiprazole and risperidone. 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

239. Cosmina Bengescu, Adriana Ledetî, Tudor Olariu, Denisa Cîrcioban, Cornelia Muntean, Gabriela Vlase, Titus Vlase, Carmen Tomoroga, Anca Octavia Dragomirescu, Daniela Dascălu, Lenuța-Maria Șuta, Ionuț Ledetî. Instrumental investigations of promestriene - first report regarding the solid state characterization and compatibility with pharmaceutical excipients. 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

240. Dorinel OKOLIȘAN, 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, Croatia. **PS2.35, p. 177**

241. Amalia – Ionela BRADU, Gabriela VLASE, Titus VLASE, Biopolymer membranes as drug release system for local anesthetics, Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 Split, Croatia. **PS2.36, p. 178**

242. Dan VLASE, Gabriela VLASE, Gabriela URSUȚ, Paula SFIRLOAGA, Florin Manea, **Titus VLASE**, Pottery and clay: analysis of late Neolithic pottery and clay samples from the Ronaț-Triaj site (Timișoara, Timis County, Romania) using hyphenated techniques, , Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 Split, Croatia. **PS2.37, p. 179**

243. Florin Manea, **Titus VLASE**, Emilian GHICIOI, Nicolae Ioan VLASIN, Maria PRODAN, Methane-air accidental explosion in civil building – Case study, , Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 Split, Croatia. **PS2.38, p. 180**

244. Bianca-Denisa CERNUȘCĂ, Gabriela VLASE, Titus VLASE, Thermal stability of sartan class drugs. , Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 Split, Croatia. **PS3.19, p. 205**

245. Bianca MARANESCU, Lavinia LUPA, Gheorghe ILIA, Aurelia VISA, Bianca-Denisa CERNUȘCĂ, Gabriela VLASE, Titus VLASE, Layered divalent metal phosphonate - thermal stability studies. , Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 Split, Croatia. **PS3.20, p. 206**

246. Mădălina Mateescu, Mihaela Budiul, Gabriela Vlase, Titus Vlase, Preparation and characterization of Propyphenazone medicated jellies, , Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 Split, Croatia. **KL02, p. 42**

247. Mihaela Maria BUDIUL, Mădălina MATEESCU, Titus VLASE, Gabriela VLASE, Thermoanalytical and spectroscopic studies on medicated jellies with perphenazine, , Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022

Split, Croatia. **PS3.18, p. 204**

248. Vlazan P., Malaescu I., Marin C.N., Poienar M, VlaseG., Vlase T., Sfirloaga P. Revealing impact of Ga/Y doping on the thermal and electrical behavior in La MaO₃ ceramics materials, Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 Split, Croatia. **PS3.28, p. 214**

249. Florin MANEA, Emilian GHICIOI, Nicolae VLASIN, **Titus VLASE**, Maria PRODAN, Case study on the methane gas explosion effects on civil buildings, *Oral Presentation 3, CATCAR31* (31st Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy - 20-22 October 2022, Reșița – Romania), p.21

250. Amalia RIDICHIE, Adriana LEDEȚI, Denisa CÎRCIOBAN, Gabriela VLASE, **Titus VLASE**, Renata VĂRUȚ, Francisc PETER, Ionuț LEDEȚI. Encapsulation of artemisinin and its derivatives by sulfobutylated β -cyclodextrin: physicochemical and molecular modelling studies. *Oral Presentation 4, CATCAR31*, p.22

251. Bianca BAUL, Bianca BÎRZAVA-MILU, Emanuela NIȚU, Denisa CÎRCIOBAN, Adriana LEDEȚI, Gabriela VLASE, **Titus VLASE**, Renata VĂRUȚ, Francisc PETER, Ionuț LEDEȚI. Binary systems containing carvedilol. *Oral Presentation 5, CATCAR31*, p.23

252. Dan VLASE, Gabriela VLASE, Gabriela URSUȚ, Paula SFIRLOAGA, Florin Manea, Irina NALBOC, **Titus VLASE**. Pottery samples from the settlements and burial ground at Pecica – East site (Pecica, Arad County, Romania): analysis through hyphenated techniques. *Poster Presentation 5, CATCAR31*, p.30

253. Dorinel OKOLIȘAN, **Titus VLASE**, Gabriela VLASE, Polysaccharide membranes as a delivery agent for local anesthetic drugs. *Poster Presentation 6, CATCAR31*, p.31

254. Dan VLASE, Gabriela VLASE, Gabriela URSUȚ, Paula SFIRLOAGA, Florin Manea, Irina NALBOC, **Titus VLASE**. Pottery and clay samples from the Neo-Aeneolithic settlement Șoimuș - Avicola site/ Șoimuș - Teleghi (Șoimuș, Hunedoara County, Romania): analyzed using hyphenated techniques *Poster Presentation 6, CATCAR31*, p.32

255. Bianca CERNUSCA, Gabriela VLASE, Madalina MATEESCU, Mihaela Maria BUDIUL, **Titus VLASE**. Study of thermally induced interactions between active substances from the sartans class and various excipients *Poster Presentation 7, CATCAR31*, p.33

256. Alexandru PAHOMI, Amalia- Ionela BRADU, **Titus VLASE**, Gabriela VLASE, Gheorghe ILIA. The properties variation of hydroxyapatite dispersed into polymer matrix during thermal treatment. *Poster Presentation 11, CATCAR31*, p.36

257. Madalina MATEESCU, Ionela-Amalia BRADU, Gabriela VLASE, **Titus VLASE**, Mihaela BUDIUL, Coagulant – antibiotic scaffold systems for dental application. *Poster Presentation 12, CATCAR31*, p.37

258. Gabriela VLASE, Daniel NEGRU, Ionela-Amalia BRADU, Alexandra TASALA, Alexandru PAHOMI, Dorinel OKOLISAN, **Titus VLASE**, Mihaela Maria BUDIUL, Daniela JUMANCA, Paula SFIRLOAGA, Anamaria MATICHESCU. Composites with antibiotics, bisphosphonate and hydroxyapatite for dental applications *Poster Presentation 13, CATCAR31*, p.38

259. Claudia TEMEREANCĂ, Adriana LEDEȚI, Gabriela VLASE, Cristina TRANDAFIRESCU, Valentina BUDA, Denisa CÎRCIOBAN, Laura SBÂRCEA, **Titus VLASE**, Ionuț LEDEȚI. Kinetics of thermal degradation of pharma grade sulfobutylether sodium betacyclodextrin. *Poster Presentation 14, CATCAR31*, p.39

260. Bianca BAUL, Denisa CÎRCIOBAN, Laura SBÂRCEA, Adriana LEDEȚI, Gabriela VLASE, **Titus VLASE**, Elisabeta ATYIM, Renata-Maria VĂRUȚ, Francisc PETER, Ionuț LEDEȚI. Instrumental investigations of telmisartan-aminoacids binary adducts. *Poster Presentation 15, CATCAR31*, p.40

261. Ionela-Amalia BRADU, Mădălina MATEESCU, Gabriela VLASE, **Titus VLASE**. Transmucosal absorption of antibiotic-anesthetic polymer-based systems for dental use. *Poster Presentation 17, CATCAR31*, p.42

262. Denisa CÎRCIOBAN, Ionuț LEDEȚI, Adriana LEDEȚI, **Titus VLASE**, Renata VĂRUȚ, Gabriela VLASE. Theoretical and instrumental approach for the development of co-crystals with mirtazapine and opipramol. *Poster Presentation 18, CATCAR31*, p.43

263. Denisa Cîrcioban, Gabriela Vlase, Ionuț Ledeti, Titus Vlase, Gerlinde Rusu, Adriana Ledeti. Stability evaluation and kinetic study for the atypical antidepressant opipramol, **CATCAR31** p.124

264. Denisa Cîrcioban, Gabriela Vlase, Laura Sbârcea, Ionuț Ledeti, Titus Vlase, Gerlinde Rusu, Renata Văruț, Adriana Ledeti. Preparation and physicochemical analysis for cyclodextrinmirtazapine inclusion complexes, **CATCAR31** p.125

265. Lenuța-Maria Șuta, Amalia Ridiche, Adriana Ledeti, Lavinia Stelea, Denisa Cîrcioban, Gabriela Vlase, Daniela Stoin, Laura Sbârcea, Titus Vlase, Laurian Vlase, Ionuț Ledeti, Host-guest interactions and formation of ternary inclusion complexes - naproxen:omeprazole:cyclodextrins. **CATCAR31** p. 148

266. Bianca-Denisa CERNUȘCĂ, Gabriela VLASE, Mihaela-Maria BUDIUL, Titus VLASE. Kinetic study and thermal stability of sartan class drugs., **JTACC BOOK OF ABSTRACTS: 3rd Journal of Thermal Analysis and Calorimetry Conference, 9th V4 (Joint Czech- Hungarian-Polish-Slovakian) Thermoanalytical Conference 20-23 June 2023, Balatonfured, Hungary**, p.337

267. Dan VLASE, Gabriela VLASE, Gabriela URSUȚ, Paula SFIRLOAGA, Florin Manea, Irina NALBOC, Titus VLASE. Multiple technique analysis of pottery and clay samples from the eneolithic settlement Șoimuș - Avicola site/ Șoimuș - Teleghi (Șoimuș, Hunedoara County, ROMANIA), **JTACC BOOK OF ABSTRACTS: 3rd Journal of Thermal Analysis and Calorimetry Conference, 9th V4 (Joint Czech- Hungarian-Polish-Slovakian) Thermoanalytical Conference 20-23 June**

2023, Balatonfured, Hungary p.221

268. Gabriela Vlase, Dorothea Bajas, Amalia Bradu, Mihaela Budiul, Titus Vlase. Preliminary study of polymer-based membrane for Methotrexate drug delivery, **JTACC BOOK OF ABSTRACTS: 3rd Journal of Thermal Analysis and Calorimetry Conference, 9th V4 (Joint Czech- Hungarian-Polish-Slovakian) Thermoanalytical Conference 20-23 June 2023**, Balatonfured, Hungary p.333

269. Gabriela Vlase, Alexandra Tășală, Alexandru Pahomi, Mihaela Budiul, Titus Vlase. Compatibility study for new transdermal leflunomide delivery systems, **JTACC BOOK OF ABSTRACTS: 3rd Journal of Thermal Analysis and Calorimetry Conference, 9th V4 (Joint Czech- Hungarian-Polish-Slovakian) Thermoanalytical Conference 20-23 June 2023**, Balatonfured, Hungary p.335

270. Dan VLASE, Gabriela VLASE, Gabriela URSUȚ, Paula SFIRLOAGA, Florin MANEA, Radu LAZĂU, Titus VLASE. Analysis of late Neolithic pottery and clay samples from the Ronaț-Triaj site (Timișoara, Timis County, Romania) using hyphenated techniques p.188 **BOOK OF ABSTRACTS CEEC-TAC 7, 28-31 August 2023**, Brno, Czech Republic

271. Ferencz Iosif Vasile, Cristian Constantin Roman, Cristian Mihăilescu, Mihaela Budiul, Amalia Bradu, Gabriela Vlase, Titus Vlase, Dan Vlase. Analysis by multiple techniques of some fragments of Dacian ceramics, discovered near the Dacian fortress of Alun-Piatra Roșie (Hunedoara county) p.189 **BOOK OF ABSTRACTS CEEC-TAC 7, 28-31 August 2023**, Brno, Czech Republic

272. Dan VLASE, Gabriela VLASE, Gabriela URSUȚ, Paula SFIRLOAGA, Florin Manea, Irina NALBOC, Titus VLASE. Analysis through hyphenated techniques of Pottery samples from the settlements and burial ground at Pecica – East site (Pecica, Arad County, Romania) p.186 **BOOK OF ABSTRACTS CEEC-TAC 7, 28-31 August 2023**, Brno, Czech Republic

273. Alexandru Pahomi, Gabriela Vlase, Mădălina Mateescu, Amalia Bradu, Gheorghe Ilia, Titus Vlase. Synthesis and characterisation of some metals doped hydroxyapatite with different applications. P.187 **BOOK OF ABSTRACTS CEEC-TAC 7, 28-31 August 2023**, Brno, Czech Republic

274. Mădălina GRĂDINARU, Gabriela VLASE, Titus VLASE, Mihaela BUDIUL, Amalia BRADU, Daniela JUMANCA, Thermal and FTIR characterization of medicated jelly with botulin and betulinic acid, p176 **BOOK OF ABSTRACTS CEEC-TAC 7, 28-31 August 2023**, Brno, Czech Republic

275. Mădălina GRĂDINARU, Gabriela VLASE, Titus VLASE, Mihaela BUDIUL, Amalia BRADU, Mihaela Simona CĂLINESCU, Absorption of phosphorus from water, use of hydrogels based on biopolymers p.177 **BOOK OF ABSTRACTS CEEC-TAC 7, 28-31 August 2023**, Brno, Czech Republic

276. Paula SFIRLOAGA, Ionel BALCU, Corina MACARIE, Gabriela VLASE, Titus VLASE, Paulina VLAZAN, Optimizing the thermal treatment in order to obtain a single hexagonal phase of YMnO₃ p.180 **BOOK OF ABSTRACTS CEEC-TAC 7, 28-31 August 2023**, Brno, Czech Republic

277. Paulina VLAZAN, Daniel URSU, Gabriela VLASE, Titus VLASE, Doru BUZATU, Paula SFIRLOAGA, Properties of manganese yttrium oxide: Influences of dopants on the thermal, structural and optical properties p.181 **BOOK OF ABSTRACTS CEEC-TAC 7, 28-31 August 2023**, Brno, Czech Republic

278. Bianca CERNUSCA, Gabriela VLASE, Madalina MATEESCU, Mihaela Maria BUDIUL, Titus VLASE. Compatibility study between active substances from the sartans class with various excipients using multiple technics. P.96 **Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023**

279. Dorinel Okolišan, Gabriela Vlase, Amalia Bradu, Alexandru Pahomi, Titus Vlase. Thin polysaccharide films as carriers for local anesthetic and anti-inflammatory drugs p.97 **Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023**

280. Adina-Elena SEGNEANU, Gabriela VLASE, Crina Andreea SICOE³, Titus VLASE^{1,2} and Ioan GROZESCU. *Helleborus purpurascens* - Untargeted low-molecular metabolomic approach to antitumoral phytocARRIER system based on silver nanoparticles p.95 **Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023**

281. Adina-Elena SEGNEANU¹, Gabriela VLASE^{*}, Mihaela Simona CALINESCU (Bocanici)³, Titus Vlase, Melinda CEPAN (Farago), Ioan GROZESCU. Performant engineered adsorbent for hexavalent chromium from water solutionsp. P.130 **Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023**

282. Ionela – Amalia Bradu, Titus Vlase², Gabriela Vlase, Mihaela Budiul, Alexandru Pahomi. Physicochemical characterization of polymeric membranes with Riluzole for amyotrophic lateral sclerosis treatment, p. 83 **Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023**

283. Ionela – Amalia Bradu, Gabriela Vlase, Mihaela Budiul, Alexandru Pahomi, Maria-Luiza Cocotă, Titus Vlase. Spectroscopic and thermoanalytical studies of agents for chemo-mechanical caries removal p.110 **Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023**

284. Mihaela Budiul, Gabriela Vlase, Ionela –Amalia Bradu, Alexandru Pahomi, Titus Vlase. Thermal behavior of polymer-based systems containing antibiotics and anesthetics with medical use, p. 84 **Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023**

285. Mihaela Budiul, Gabriela Vlase, Ionela– Amalia Bradu, Alexandru Pahomi, Titus Vlase. Preformulation studies for membranes with acetaminophen, propyphenazone and caffeine p. 85 **Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023**

286. Alexandru Pahomi, Ionela–Amalia Bradu, Gabriela Vlase, Mihaela Budiul, Titus Vlase, Gheorghe Ilia. Preliminary studies on local hemostatic desorption of carbazochrome loaded on chitosan/HA biocomposite p.92 Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023
287. Alexandru Pahomi, Ionela – Amalia Bradu, Gabriela Vlase, Mihaela Budiul, Titus Vlase, Gheorghe Ilia. Evolution of hydroxyapatite particle size by thermal treatment and polymer matrix diffusion p.118 Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023
288. Denisa Cîrcioban, Adriana Ledeți, Amalia Ridichie, Titus Vlase, Ionuț Ledeți, Amalia Bradu, Alexandru Pahomi, Gabriela Vlase. Compatibility study of mirtazapine with several excipients used in pharmaceutical dosage forms employing thermal and non-thermal methods p.89 Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023
289. Bianca Baul, Adriana Ledeți, Gabriela Vlase, Titus Vlase, Francisc Peter, Ionuț Ledeți. Preparation and instrumental screening of binary adducts containing Moxonidine. p. 90 Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023