



\*74357.2023.10.13\*

## SCRISOARE DE MOTIVARE A CANDIDATURII

Subsemnata **Gabriela VLASE**, Profesor univ. Dr. la Facultatea de Chimie, Biologie, Geografie, Departamentul Biologie-Chimie din Universitatea de Vest din Timișoara, conducător de doctorat în domeniul Chimie, prin prezenta îmi depun candidatura pentru poziția de membru în Consiliul Scolii doctorale Științele Naturii (Chimie).

Am obținut Atestatul de abilitare și calitatea de conducător de doctorat în 2015. De atunci am fost integrată în cadrul Scolii doctorale de Chimie coordonând trei doctoranzi care și-au susținut teza de doctorat și au obținut titlul de doctor și mai am 7 doctoranzi în coordonare dintre care doi și-au susținut teza în comisia de îndrumare. Menționez că și în prezent îndeplinesc cu prisosință standardele CNADTCU aferente obținerii titlului de Profesor. Am făcut parte dintr-un număr semnificativ de comisii de îndrumare la UVT, respectiv din comisii de susținere publică a tezelor de doctorat în UVT și în alte instituții. Sunt responsabilă Masterului de Chimie clinică și de laborator sanitar de la înființare și anume din anul 2015 implicându-mă active în tot ce înseamnă gestionarea acestuia, acreditare, reacreditare și multe altele. Din 2020 am fost membră a Consiliului Scolii Doctorale de Chimie, în care nu mi-am putut arăta capacitățile organizatorice deși cunosc foarte bine regulamentele din domeniu. În calitate de membră a Consiliului școlii doctorale de Chimie am cunoscut toate aspectele și problemele cu care se confruntă colegii conducători de doctorat din domeniul nostru dar și din alte domenii, precum și unele dintre dezideratele altor școli doctorale și direcțiile eficiente de acțiune în funcție de specificul fiecărui domeniu.

În cadrul activității de cercetare, am publicat peste 180 articole ISI din zona roșie și galbenă în jurnale de mare prestigiu în domeniul Chimiei, care cumulează peste 2200 citări pe Web of Science cu un h-index = 25 conform Web of Science și h-index = 26 pe Scopus. Am coordonat un proiect de cercetare în calitate de director și am fost membră în peste 16 contracte de Cercetare obținute prin concurs, toate aceste proiecte fiind finalizate cu rezultate remarcabile. În toată perioada am activat în cadrul Centrului de cercetare "Analize Termice în problem de mediu" la început ca membru apoi ca responsabil științific.

Experiența acumulată în calitate de cadru didactic în cei aproape 23 de ani în Universitatea de Vest din Timișoara, activitatea științifică, didactică și organizatorică de până acum, creează premisele ca și în continuare să îmi doresc să mă implic în asigurarea unor strategii manageriale axate pe calitate și performanță.

Ca și membru al Consiliului Scolii doctorale de Științele Naturii, îmi propun următoarele obiective:

- susținerea strategiilor de dezvoltare a domeniului de doctorat și a Școlii Doctorale de Științele Naturii din Universitatea de Vest din Timișoara.
- sprijinirea proiectelor care au ca obiectiv sporirea performanțelor și prestigiului școlii doctorale.
- susținerea excelenței în cercetare și promovarea valorilor mai ales în rândul tinerilor.

- implicarea, susținerea și dezvoltarea proiectelor care atrag finanțare pentru studiile doctorale și postdoctorale.
- sprijinirea strategiilor de menținere în UVT a postdoctoranzilor cu rezultate deosebite, din centrele de cercetare ale universității sau în calitate de cadre didactice.
- implicare în elaborarea de strategii care să conducă la clasificarea și menținerea domeniului de doctorat și a școlii doctorale în prima categorie valorică la ierarhizările realizate la nivel national si daca se poate cu recunoastere international.
- realizarea unui management bazat pe echitate, transparență, susținerea deciziilor rationale mai ales in interesul doctoranzilor.
- susținerea proiectelor de internaționalizare a studiilor doctorale la UVT.

Sunt sigură că desfășurarea unui învățământ doctoral de calitate va contribui esențial la afirmarea prestigiului Universității de Vest din Timișoara și va aduce un aport semnificativ la poziționarea universității noastre în topul clasamentelor în plan național și internațional.

Timisoara

10.10.2023

Prof. dr. Gabriela VLASE





**Curriculum vitae  
Europass**



**Informații personale**

Nume / Prenume **Vlase Gabriela**

Adresă(e)

Telefon(oane)

Fax(uri)

E-mail(uri)

Naționalitate(-tăți) română

Data nașterii / Varsta

Sex F

**Experiența profesională**

Perioada **Sept-2019**

Funcția sau postul ocupat **Profesor Universitar**

Activități și responsabilități principale Educație și cercetare

Numele și adresa angajatorului Universitatea de Vest din Timisoara

Tipul activității sau sectorul de activitate Educație, învățământ

Perioada **2013-2019**

Funcția sau postul ocupat **Conferențiar universitar**

Activități și responsabilități principale Educație și cercetare

Numele și adresa angajatorului Universitatea de Vest din Timisoara

Tipul activității sau sectorul de activitate Educație, învățământ

Perioada **Din 2015**

Funcția sau postul ocupat **Conducător doctorat**

Activități și responsabilități principale Educație și cercetare

Numele și adresa angajatorului Universitatea de Vest din Timisoara

Tipul activității sau sectorul de activitate      Educație, Învățământ

Perioada      **2005-2013**

Funcția sau postul ocupat      **Lector Universitar**

Activități și responsabilități principale      Educație și cercetare

Numele și adresa angajatorului      Universitatea de Vest din Timisoara

Tipul activității sau sectorul de activitate      Educație, Învățământ

Perioada      **1999-2005**

Funcția sau postul ocupat      **Asistent universitar**

Activități și responsabilități principale      Educație și cercetare

Numele și adresa angajatorului      Universitatea de Vest din Timisoara

Tipul activității sau sectorul de activitate      Educație, Învățământ

Perioada      **1998-1999**

Funcția sau postul ocupat      **Asistent cercetare**

Activități și responsabilități principale      cercetare

Numele și adresa angajatorului      Academia Romana- Filiala Timisoara

Tipul activității sau sectorul de activitate      Cercetare

#### **Educație și formare**

Perioada      **2019-2020**

Calificarea / diploma obținută      **Cadru Didactic**

Disciplinele principale studiate / competențe profesionale dobândite      **INVATAREA BAZATA PE PROBLEME (BPL) IN SISTEMUL UNIVERSITAR**

Numele și tipul instituției de învățământ / furnizorului de formare      Universitatea de Vest din Timisoara

Nivelul în clasificarea națională sau internațională      Nivel I

Perioada      **2015**

Calificarea / diploma obținută      **Dr. Habil**

Disciplinele principale studiate / competențe profesionale dobândite      Elaborarea tezei de abilitare **„ANALIZA TERMICA SI UTILIZAREA TEHNICILOR CUPLATE LA STUDIUL SUBSTANȚELOR ȘI MATERIALELOR CU DIVERSE APLICAȚII”**

Numele și tipul instituției de învățământ / furnizorului de formare      Universitatea de Vest din Timisoara

Nivelul în clasificarea națională sau internațională      Dr. Habil

Perioada      **octombrie 2011- martie 2013**

Calificarea / diploma obținută      Studii posdoctorale

Disciplinele principale studiate / competențe profesionale dobândite      Tema de cercetare: Comportarea termică a aditivilor alimentari și interacții induse termic în produsele comerciale”

Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea de Vest din Timisoara, Proiectului POSDRU/89/1.5/S/63663, cu Titlul "Rețea transnațională de management integrat al cercetării postdoctorale în domeniul Comunicarea științei. Construcție instituțională (școală postdoctorală) și program de burse (CommScie)"
Nivelul în clasificarea națională sau internațională	Studii posdoctorale
Perioada	25.02.2005
Calificarea / diploma obținută	Doctor in Chimie
Disciplinele principale studiate / competențe profesionale dobândite	Teza de doctorat cu Titlul: „INTERPRETAREA EFECTULUI DE COMPENSARE LA DESCOMPUNEREA NEIZOTERMĂ A UNOR PRECURSORI PENTRU MATERIALE CU PROPRIETĂȚI PRESTABILITE” sub coordonare Prof. dr. ing. Adrian Chiriac
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea de Vest din Timisoara, Scoala Doctorală de Chimie
Nivelul în clasificarea națională sau internațională	Doctor in Chimie
Perioada	1998-2000
Calificarea / diploma obținută	ISCED
Disciplinele principale studiate / competențe profesionale dobândite	Studii aprofundate în profilul "Chimia compușilor biologic activi"
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea de Vest din Timisoara
Nivelul în clasificarea națională sau internațională	ISCED
Perioada	1994-1998
Calificarea / diploma obținută	Licentiat in chimie
Disciplinele principale studiate / competențe profesionale dobândite	Disciplinele aferente planului de invatamant urmat
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea de Vest din Timisoara
Nivelul în clasificarea națională sau internațională	Licentiat in chimie
<b>Aptitudini și competențe personale</b>	
Limba(i) maternă(e)	Romana
Limba(i) străină(e) cunoscută(e)	
Autoevaluare	
Nivel european (*)	
Limba	
Limba	
Competențe și abilități sociale	Imi place sa lucrez in echipe, sa coordonez unele persoane, sunt o fire deschisa, imi plac colaborarile cu alte persoane ca mine.
Competențe și aptitudini organizatorice	Imi place sa coordonez echipe de cercetare in cadrul unor contracte.Am lucrat in cadrul a 16 contracte de cercetare dintre care in unul am fost Director de Proiect

Înțelegere		Vorbire		Scriere	
Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă	
E	avansat	avansat	avansat	avansat	
G	Med.	Med.	Med.	Med.	

(\*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine

Competențe și aptitudini tehnice	Utilizez cu ușurință aparate utilizate în cadrul determinărilor fizico-chimice.																
Competențe și aptitudini de utilizare a calculatorului	Utilizez cu ușurință calculatorul și alte aparate coordonate de acesta.																
Competențe și aptitudini artistice	Sunt o persoană organizată, ordonată, inovativă și inventivă.																
Alte competențe și aptitudini	Cataliză, Chimie Tehnologică, Chimia Materialelor, Chimia Stării solide, Chimie generală Metale, Bioanorganică, Chimie Coordinativă, Chimie Anorganică, Metale, Poluanți anorganici, Atmosfera și Calitatea aerului, Chimia Mediului, Domenii de interes/ Expertiza Știință materialelor; CINETICĂ și cinetică neizotermă, Analiză termică, Spectrofotometrie. /Știința materialelor; Analiză termică (TG/DTG/DTA/EGA, DSC, TMA); Predicția timpului de viață; Cataliză heterogenă; Spectroscopie și microscopie FT-IR																
Profil științific/Arii tematice	<ul style="list-style-type: none"> <li>• Obținerea a unor noi compozite nanostructurate biomimetice cu aplicații biomedicale și cu proprietăți fizice, chimice și biologice îmbunătățite ca material pentru reconstrucție osoasă, dispozitive "drug delivery", posibile aplicații stomatologice.</li> <li>• Sinteza și caracterizarea de noi materiale de tip polimer pentru eliberare controlată a diferitelor medicamente atât pentru eliberare transdermală, transmucozală și orodispersabile.</li> <li>• Caracterizarea și obținerea unor materiale cu proprietăți anticorozive, material cu adaosuri magnetice.</li> <li>• Studii prin tehnici hifenate a complexelor de incluziune care își găsesc în prezent utilizare în domeniul farmaceutic ca excipient sau agent de complexare, în scopul de a crește solubilitatea unor medicamente.</li> <li>• Obținerea și caracterizarea unor noi materiale ce vor putea fi folosite în regenerare osoasă.</li> </ul>																
Permis(e) de conducere	Permis categoria A și B																
Informații suplimentare	<p>Member of professional associations:</p> <ol style="list-style-type: none"> <li>1. Chemical Society in Romania;</li> <li>2. Catalysis Society of Romania;</li> <li>3. Romanian Committee for Thermal Analysis and Calorimetry</li> <li>4. Member ICTAC (International Confederation of Thermal Analysis and calorimetry) 2004</li> </ol> <p><b>Scientific publications</b></p> <table border="1"> <tr> <td>Books</td> <td>7</td> <td>Grants</td> <td>17</td> </tr> <tr> <td>ISI paper</td> <td>187</td> <td>h-index</td> <td>25/26</td> </tr> <tr> <td>Citation over</td> <td>2200( ISI web)</td> <td>International Communication</td> <td>Over 260</td> </tr> <tr> <td>BDI paper</td> <td>Over 50</td> <td>National communications</td> <td>Over 70</td> </tr> </table>	Books	7	Grants	17	ISI paper	187	h-index	25/26	Citation over	2200( ISI web)	International Communication	Over 260	BDI paper	Over 50	National communications	Over 70
Books	7	Grants	17														
ISI paper	187	h-index	25/26														
Citation over	2200( ISI web)	International Communication	Over 260														
BDI paper	Over 50	National communications	Over 70														

**Data**

10.10.2023

**Nume Prenume**

**Semnătură**

Prof. dr. Vlase Gabriela Dr. Habil



## LISTA LUCRARI PUBLICATE (Vlase Gabriela)

- i. **1. Teza de doctorat** cu Titlul “**Interpretarea efectului de compensare la descompunerea neizotermă a unor precursori pentru materiale cu proprietăți prestabilite**”, conducător științific Prof.dr.ing. Adrian Chiriac susținută public în februarie 2005.  
**2. Teză abilitare: ANALIZA TERMICA SI UTILIZAREA TEHNICILOR CUPLATE LA STUDIUL SUBSTANȚELOR ȘI MATERIALELOR CU DIVERSE APLICAȚII**, susținută public în iunie 2015.
- ii. **Lista articolelor publicate în reviste din fluxul științific principal (ISI cu factor de impact)**
  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., Non-isothermal kinetics by decomposition of some catalyst precursors, (2001) *Thermochimica Acta*, 379 (1-2), pp. 65-69.
  3. 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.
  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.
  5. 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.
  6. 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.
  7. 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.
  8. 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.
  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.
  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.
  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.
  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.
  13. Plesu, N., Ilia, G., Pascariu, A., Vlase, G., Preparation, degradation of polyaniline doped with organic phosphorus acids and corrosion essays of polyaniline-acrylic blends, (2006) *Synthetic Metals*, 156 (2-4), pp. 230-238.
  14. Ioițescu, 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.
  15. 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.
  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.
  17. 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.
  18. 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.
  19. Pop, L., Pușcaș, C., Bandur, G., Vlase, G., Nuțiu, R., Basestock oils for lubricants from mixtures of corn oil and synthetic diesters, (2008) *JAACS, Journal of the American Oil Chemists' Society*, 85 (1), pp. 71-76.
  20. Vlase, G., Vlase, T., Doca, N., Thermal behavior of some phenitoinic pharmaceuticals, (2008) *Journal of Thermal Analysis and Calorimetry*, 92 (1), pp. 259-262.
  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.

22. Pop, N., Vlase, G., Vlase, T., Doca, N., Mogoş, A., Ioişescu, 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.
23. 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.
24. Doca, N., Vlase, G., Vlase, T., Ilia, G., Thermal behavior of Cd<sup>2+</sup> and Co<sup>2+</sup> phenyl-vinyl-phosphonates under non-isothermal condition, (2008) *Journal of Thermal Analysis and Calorimetry*, 94 (2), pp. 441-445.
25. 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.
26. Ioişescu, 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.
27. 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.
28. Vlase, T., Vlase, G., Doca, N., Ilia, G., Fuliş, A., Coupled thermogravimetric-IR techniques and kinetic analysis by non-isothermal decomposition of Cd<sup>2+</sup> and Co<sup>2+</sup> vinyl-phosphonates, (2009) *Journal of Thermal Analysis and Calorimetry*, 97 (2), pp. 467-472.
29. 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.
30. 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.
31. 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.
32. Ştefănescu, M., Stoia, M., Ştefănescu, O., Davidescu, C., Vlase, G., Sfirloagă, P., Synthesis and characterization of poly(vinyl alcohol)/ethylene glycol /silica hybrids. Thermal analysis and ft-ir study, (2010) *Revue Roumaine de Chimie*, 55 (1), pp. 17-23.
33. Fuliş, 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.
34. 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.
35. 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.
36. 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.
37. 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.
38. 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.
39. Tiţa, D., Fuliş, A., Tiţa, B., Vlase, G., Vlase, T., Doca, N., Thermal behaviour of active compounds versus pharmaceutical compounds for some benzodiazepines,(2010) *Revue Roumaine de Chimie*, 55 (11-12), pp. 1047-1052.
40. Ştefănescu, O., Vlase, T., Vlase, G., Doca, N., Ştefănescu, M., Synthesis and characterization of new hydroxycarboxylate compounds obtained in the redox reaction between Fe(NO<sub>3</sub>)<sub>3</sub> and diol,(2011) *Thermochimica Acta*, 519 (1-2), pp. 22-27.
41. 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.
42. 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.
43. 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.
  44. Fulias, A., Bobric, A., Vlase, G., Vlase, T., Doca, N., Thermal stability and biological interactions of some cephalosporins, (2011) *Revue Roumaine de Chimie*, 56 (10-11), pp. 959-966.
  45. Fulias, A., Fulias, N., Vlase, G., Tita, B., Tita, D., Vlase, T., Thermal decomposition kinetics of cefadroxil, (2011) *Revue Roumaine de Chimie*, 56 (10-11), pp. 967-973.
  46. Stoia, M., Ștefănescu, O., Vlase, G., Barbu-Tudoran, L., Barbu, M., Ștefănescu, M., Silica matrices for embedding of magnetic nanoparticles, (2012) *Journal of Sol-Gel Science and Technology*, 62 (1), pp. 31-40.
  47. Barbu, M., Ștefănescu, M., Stoia, M., Vlase, G., Barvinschi, P., New synthesis method for M(II) chromites/silica nanocomposites by thermal decomposition of some precursors formed inside the silica gels, (2012) *Journal of Thermal Analysis and Calorimetry*, 108 (3), pp. 1059-1066.
  48. 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.
  49. Ledeti, I., Fuliaș, 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.
  50. Ledeti, I., Simu, G., Vlase, G., Savoiu, G., Vlase, T., Suta, L.-M., Popoiu, C., Fulias, A. Synthesis and solid-state characterization of Zn(II) metal complex with acetaminophen (2013) *Revista de Chimie*, 64 (10), pp. 1127-1130.
  51. Fuliaș, 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, .
  52. Fuliaș, A., Ledeti, I., Vlase, G., Vlase, T., Physico-chemical solid-state characterization of pharmaceutical pyrazolones: An unexpected thermal behaviour, (2013) *Journal of Pharmaceutical and Biomedical Analysis*, 81-82, pp. 44-49.
  53. 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 Gram-Schmidt profiles, (2013) *Journal of Thermal Analysis and Calorimetry*, 113 (1), pp. 113-119.
  54. Fulias, A., Vlase, G., Grigorie, C., Ledeti, I., Albu, P., Bilanin, M., Vlase, T., Thermal behaviour studies of procaine and benzocaine: Part 1. Kinetic analysis of the active substances under non-isothermal conditions, (2013) *Journal of Thermal Analysis and Calorimetry*, 113 (1), pp. 265-271.
  55. Fuliaș, A., Ledeti, I., Vlase, G., Popoiu, C., Hegheș, A., Bilanin, M., Vlase, T., Gheorgheosu, 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, .
  56. Ștefănescu, O., Vlase, G., Barbu, M., Barvinschi, P., Ștefănescu, M., Preparation of CuFe<sub>2</sub>O<sub>4</sub>/SiO<sub>2</sub> nanocomposite starting from Cu(II)-Fe(III) carboxylates embedded in hybrid silica gels, (2013) *Journal of Thermal Analysis and Calorimetry*, 113 (3), pp. 1245-1253.
  57. 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.
  58. Anghel, M., Vlase, G., Bilanin, M., Vlase, T., Albu, P., Fuliaș, 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.
  59. Ledeti, I., Fuliaș, 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.
  60. Ledeti, I., Vlase, T., Vlase, G., Suta, L.-M., Fulias, A., Belu, I., Synthesis and solid - State characterization of a cobalt(II) triazolic complex, (2014) *Revista de Chimie*, 65 (8), pp. 897-902.
  61. 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.
  62. 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.
63. Fuliaş, A., Popoiu, C., Vlase, G., Vlase, T., Oneţiu, D., Săvoiu, G., Simu, G., Pătruţescu, 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.
64. Fuliaş, 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.
65. Fuliaş, A., Vlase, G., Vlase, T., Oneţiu, 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.
66. Ledeti, I., Vlase, G., Vlase, T., Doca, N., Bercean, V., Fulas, 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.
67. Şoica, C., Fuliaş, 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.
68. Pupca, G., Bucuras, V., Vlase, G., Vlase, T., Fulas, A., Ledeti, I., Solid-state analysis of some urinary calculi, (2014) *Revista de Chimie*, 65 (9), pp. 1058-1062.
69. Fulas, 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.
70. Udrescu, L., Sbârcea, L., Fuliaş, A., Ledeti, I., Vlase, G., Barvinschi, P., Kurunczi, L., Physicochemical Analysis and Molecular Modeling of the Fosinopril  $\beta$ -Cyclodextrin Inclusion Complex, (2014) *Journal of Spectroscopy*, 2014, art. no. 748468, .
71. Ledeti, I., Simu, G., Vlase, G., Vlase, T., Olariu, T., Săvoiu, G., Suta, L.M., Popoiu, C., Fulas, A., Ni(II) Coordination Compound with Acetaminophen Synthesis and Characterization, (2014) *Revista de Chimie*, 65 (5), pp. 556- 559.
72. Fuliaş, 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.
73. Circioban, D., Dehelean, C., Suta, L.-M., Murariu, M., Vlase, G., Nita, L., Soica, C., Fulas, A. Synthesis and physico-chemical characterization of theophylline-succinic acid binary adduct (2015) *Revista de Chimie*, 66 (12), pp. 1982-1985.
74. Ledeti, I., Alexa, A., Bercean, V., Vlase, G., Vlase, T., Şuta, L.-M., Fuliaş, A., Synthesis and degradation of Schiff bases containing heterocyclic pharmacophore, (2015) *International Journal of Molecular Sciences*, 16 (1), pp. 1711-1727.
75. Ivan, C., Ledeti, I., Vlase, G., Vlase, T., Fulas, A., Olariu, S. Study of solid - State behaviour of some human gallstones (2015) *Revista de Chimie*, 66 (2), pp. 265-270.
76. Ledeti, I., Vlase, G., Ciucanip, I., Olariu, T., Fulas, A., Suta, L.-M., Belu, I., Analysis of solid binary systems containing simvastatin, (2015) *Revista de Chimie*, 66 (2), pp. 240-243.
77. 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.
78. 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.
79. Popovici, A.R., Vlase, G., Vlase, T., Suta, L.-M., Popoiu, C., Ledeti, I., Iovanescu, G., Fulas, A. Local anesthetic agents III. Study of solid dosage forms with pharmaceutical excipients (2015) *Revista de Chimie*, 66 (7), pp. 1046-1051.,
80. Stefanescu, M., Sorescu, S., Susan-Resiga, D., Stefanescu, O., Vlase, G., Obtaining of NiO/SiO<sub>2</sub> by thermal decomposition of Ni(II) carboxylates formed within hybrid silica gels, (2015) *Journal of Thermal Analysis and Calorimetry*, 121 (1), pp. 135-144.
81. Ivan, C., Suta, L.-M., Olariu, T., Ledeti, I., Vlase, G., Vlase, T., Olariu, S., Matusz, P., Fulas, A. Preliminary

- kinetic study for heterogenous degradation of cholesterol - Containing human biliary stones., (2015) *Revista de Chimie*, 66 (8), pp. 1253-1255.
82. Ledeti, I., Vlase, G., Vlase, T., Fuliaş, A., Kinetic analysis of solid-state degradation of pure pravastatin versus pharmaceutical formulation, (2015) *Journal of Thermal Analysis and Calorimetry*, 121 (3), pp. 1103-1110.
83. Fuliaş, A., Vlase, G., Ledeti, I., Şuta, L.-M., Ketoprofen-cysteine equimolar salt: Synthesis, thermal analysis, PXRD and FTIR spectroscopy investigation, (2015) *Journal of Thermal Analysis and Calorimetry*, 121 (3), pp. 1087-1091.
84. 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.
85. 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.
86. Ledeti, I., Vlase, G., Vlase, T., Bercean, V., Fuliaş, A., Kinetic of solid-state degradation of transitional coordinative compounds containing functionalized 1,2,4-triazolic ligand, (2015) *Journal of Thermal Analysis and Calorimetry*, 121 (3), pp. 1049-1057.
87. Fuliaş, A., Vlase, G., Vlase, T., Şuta, L.-M., Şoica, 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.
88. Ledeti, I., Vlase, G., Vlase, T., Şuta, L.-M., Todea, A., Fuliaş, A., Selection of solid-state excipients for simvastatin dosage forms through thermal and nonthermal techniques, (2015) *Journal of Thermal Analysis and Calorimetry*, 121 (3), pp. 1093-1102.
89. Patruşescu, C., Vlase, G., Turcuş, V., Ardelean, D., Vlase, T., Albu, P., TG/DTG/DTA data used for determining the kinetic parameters of the thermal degradation process of an immunosuppressive agent: Mycophenolate mofetil, (2015) *Journal of Thermal Analysis and Calorimetry*, 121 (3), pp. 983-988.
90. Ledeti, I., Avram, S., Bercean, V., Vlase, G., Vlase, T., Ledeti, A., Zupko, I., Mioc, M., Şuta, L.-M., Şoica, C., Dehelean, C., Solid-state characterization and biological activity of betulonic acid derivatives, (2015) *Molecules*, 20 (12), pp. 22691-22702.
91. Udrescu, L., Fuliaş, A., Ledeti, I., Vlase, G., Barvinschi, P., Kurunczi, L., Sbarcea, L., Host - guest System of Zofenopril and Randomly Methylated beta - cyclodextrin Preparation, characterization and solubility, (2015) *Revista de Chimie*, 66 (1), pp. 17-20.
92. 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.
93. 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.
94. 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.
95. 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.
96. Ledeti, I., Vlase, G., Vlase, T., Murariu, M., Trandafirescu, C., Soica, C., Suta, L.M., Dehelean, C., Ledeti, A., Non-isothermal isoconversional kinetic study regarding the degradation of albendazole, (2016) *Revista de Chimie*, 67 (3), pp. 549-552.
97. 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.
98. Ledeti, I., Ledeti, A., Vlase, G., Vlase, T., Matusz, P., Bercean, V., Şuta, L.-M., Piciu, D., Thermal stability of synthetic thyroid hormone l-thyroxine and l-thyroxine sodium salt hydrate both pure and in pharmaceutical formulations, (2016) *Journal of Pharmaceutical and Biomedical Analysis*, 125, pp. 33-40.

99. Ledeti, I., Vlase, G., Vlase, T., Fuliaş, A., Şuta, L.-M., Comparative thermal stability of two similar-structure hypolipidemic agents: Simvastatin and Lovastatin—kinetic study, (2016) *Journal of Thermal Analysis and Calorimetry*, 125 (2), pp. 769-775.
100. Ledeti, I., Bercean, V., Vlase, G., Vlase, T., Ledeti, A., Şuta, L.-M. Betulonic acid: Study of thermal degradation by kinetic approach (2016) *Journal of Thermal Analysis and Calorimetry*, 125 (2), pp. 785-791.
101. Fuliaş, A., Ledeti, I., Vlase, G., Vlase, T., Şoica, C., Dehelean, C., Oprean, C., Bojin, F., Şuta, L.-M., Bercean, V., Avram, Ş. Thermal degradation, kinetic analysis, and apoptosis induction in human melanoma for oleanolic and ursolic acids (2016) *Journal of Thermal Analysis and Calorimetry*, 125 (2), pp. 759-768.
102. 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.
103. 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.
104. 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.
105. 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.
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.
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.
108. 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.
109. Albu, P., Doca, S.C., Anghel, A., Vlase, G., Vlase, T., Thermal behavior of sodium alendronate: A kinetic study under non-isothermal conditions, (2017) *Journal of Thermal Analysis and Calorimetry*, 127 (1), pp. 571-576.
110. Budiul, M., Albu, P., Vlase, G., Turcuş, V., Vlase, T., Thermogravimetric and calorimetric studies performed on memantine hydrochloride to determine its thermal behaviour and possible drug–excipient interactions, (2017) *Journal of Thermal Analysis and Calorimetry*, 127 (1), pp. 555-564.
111. Vlase, G., Modra, D., Albu, P., Ceban, I., Bolcu, C., Vlase, T., Thermal behavior of saturated phthalic-type polyesters. Influence of the branching polyol, (2017) *Journal of Thermal Analysis and Calorimetry*, 127 (1), pp. 409-414.
112. Ledeti, I., Murariu, M., Vlase, G., Vlase, T., Doca, N., Ledeti, A., Şuta, L.-M., Olariu, T., Investigation of thermal-induced decomposition of iodoform, (2017) *Journal of Thermal Analysis and Calorimetry*, 127 (1), pp. 565-570.
113. Popa, A., Ilia, G., Iliescu, S., Doca, N., Vlase, T., Vlase, G., Thermogravimetric characterization of styrene–divinylbenzene copolymers containing alpha-isopropylaminophosphonic acid groups, (2017) *International Journal of Polymer Analysis and Characterization*, 22 (1), pp. 43-50.
114. Buda, V., Andor, M., Ledeti, A., Ledeti, I., Vlase, G., Vlase, T., Cristescu, C., Voicu, M., Suciul, 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.
115. Vlase, G., Blajovan, R., Albu, P., Vlase, T., Study of thermally induced interaction between hydroxyethylcellulose and carboxymethylcellulose with different excipients, (2017) *Journal of Thermal Analysis and Calorimetry*, 130 (1), pp. 397-402.
116. Mateescu, M., Budiul, M., Albu, P., Vlase, G., Vlase, T., Thermal behavior and kinetic study of degradation for adamantan-2-one versus memantine hydrochlorid, (2017) *Journal of Thermal Analysis and Calorimetry*, 130 (1), pp. 391-396.
117. Albu, P., Budiul, M., Mateescu, M., Chiriac, V., Vlase, G., Vlase, T., Studies regarding the induced thermal

- degradation, kinetic analysis and possible interactions with various excipients of an osseointegration agent: zoledronic acid,(2017) *Journal of Thermal Analysis and Calorimetry*, 130 (1), pp. 403-411.
118. Ledeti, I., Bolintineanu, S., Vlase, G., Circioban, D., Ledeti, A., Vlase, T., Suta, L.-M., Caunii, A., Murariu, M., Compatibility study between antiparkinsonian drug Levodopa and excipients by FTIR spectroscopy, X-ray diffraction and thermal analysis,(2017) *Journal of Thermal Analysis and Calorimetry*, 130 (1), pp. 433-441.
119. Ledeti, I., Bolintineanu, S., Vlase, G., Circioban, D., Dehelean, C., Suta, L.-M., Caunii, A., Ledeti, A., Vlase, T., Murariu, M. Evaluation of solid-state thermal stability of donepezil in binary mixtures with excipients using instrumental techniques (2017) *Journal of Thermal Analysis and Calorimetry*, 130 (1), pp. 425-431.
120. Grigorie, A.C., Muntean, C., Vlase, G., Ștefănescu, M., Synthesis and characterization of ZnAl<sub>2</sub>O<sub>4</sub> spinel from Zn(II) and Al(III) carboxylates, (2018) *Journal of Thermal Analysis and Calorimetry*, 131 (1), pp. 183-189.
121. 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.
122. Vlase, G., Budiul, M., Pătruțescu, C., Albu, P., Vlase, T., An extensive compatibility study of mycophenolate mofetil with different excipients by spectroscopic and thermoanalytical investigation techniques,(2018) *Journal of Thermal Analysis and Calorimetry*, 131 (1), pp. 225-236.
123. 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.
124. Ledeti, A., Vlase, G., Vlase, T., Circioban, D., Dehelean, C., Ledeti, I., Suta, L.-M., Binary adduct formation of desipramine with dicarboxylic acids: An instrumental study,(2018) *Journal of Thermal Analysis and Calorimetry*, 131 (1), pp. 167-173.
125. Ledeti, I., Budiul, M., Matusz, P., Vlase, G., Circioban, D., Dehelean, C., Șuta, L.-M., Caunii, A., Ledeti, A., Vlase, T., Murariu, M., Bolintineanu, S., Preformulation studies for nortriptyline: Solid-state compatibility with pharmaceutical excipients, (2018) *Journal of Thermal Analysis and Calorimetry*, 131 (1), pp. 191-199.
126. 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.
127. 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.
128. 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.
129. Vlase, T., Albu, P., Ledeti, A., Circioban, D., Mateescu, M., Moșoiu, 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.
130. 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.
131. 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.
132. 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.
133. Ledeti, I., Pusztai, A.M., Muresan, C.M., Circioban, D., Vlase, G., Murariu, M., Suta, L.-M., Vlase, T., Ledeti, A., Suci, 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.
134. Ledeti, I., Pusztai, A.M., Mureșan, C.M., Circioban, D., Vlase, G., Axente, C., Suta, L.-M., Vlase, T., Matusz, P., Ledeti, A., Suci, 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.
135. 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*, 134 (2), pp. 1375-1384.
136. 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*, 134 (2), pp. 1345-1350.
137. Verma, RK, Kristof, J, Pijolat, M, Grenet, J, Doca, N, Vlase, T, Vlase, G, Challenges in education in thermal analysis and calorimetry, (2013) *Journal of Thermal Analysis and Calorimetry*, 113 (3), pp. 1675-1679
138. Sbârcea, L, Ledeti, A., Udrescu, L., Văruț, R-M., Barvinschi, P., Vlase, G., Ledeti, I., Betulonic acid—cyclodextrins inclusion complexes, (2019) *Journal of Thermal Analysis and Calorimetry*, 2018 / Accepted: 1 May 2019, DOI: 10.1007/2Fs10973-019-08359-6
139. Trandafirescu, C., Ledeti, I., Soica, C., Ledeti, A., Vlase, G., Borcan, F., Dehelean, C., Coricovac, D., Racoviceanu, R., Aigner, Z., Albendazole-cyclodextrins binary systems Thermal and spectral investigation on drug–excipient interaction, (2019) *Journal of Thermal Analysis and Calorimetry*, 2018 / Accepted: 1 May 2019, DOI: 10.1007/2Fs10973-019-08326-1.
140. Moșoiu, C., Vlase, D., Vlase, G., Lazău, R., Vlase, T. TG-DTA and FTIR analyses of roman and later historic mortars from Drobeta-Turnu Severin region (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (3), pp. 2159-2166.
141. Vlase, D., Rogozea, O., Moșoiu, C., Vlase, G., Lazău, R., Vlase, T. Thermoanalytical investigations of some ceramics dated from the Neolithic period, discovered at Oxenbricel, Sânmăndrei, Romania (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (3), pp. 2145-2157.
142. Popescu, L., Mateescu, M., Bajaš, D., Bugnariu, C., Vlase, G., Jumanca, D., Vlase, T. Study of thermally induced interactions between theobromine and various sweeteners (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (3), pp. 2347-2356.
143. Pahomi, A., Vlase, G., Toma, A., Ilia, G., Turcuș, V., Doca, N., Vlase, T. Synthesis, thermal behavior and FTIR study of some hydroxyapatite precursors doped with two metals (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (3), pp. 2175-2183.
144. 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.
145. 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*, Article in Press DOI: 10.1007/s10973-019-08911-4
146. Sbarcea, Laura; Tanase, Ionut-Mihai; Ledeti, Adriana; Circioban, Denisa; Vlase, Gabriela; Barvinschi, Paul; Miclău, Marinela; Varut, Renata-Maria; Trandafirescu, Cristina; Ledeti, Ionut. Encapsulation of Risperidone by Methylated  $\beta$ -Cyclodextrins: Physicochemical and Molecular Modeling Studies (2020) *Molecules* (Basel, Switzerland), 25 (23), DOI: 10.3390/molecules25235694 (Q2, FI/2019=3,267).
147. Tanase, Ionut-Mihai; Sbarcea, Laura; Ledeti, Adriana; Barvinschi, Paul; Circioban, Denisa; Vlase, Gabriela; Varut, Renata-Maria; Ledeti, Ionut. Compatibility studies with pharmaceutical excipients for aripiprazole–heptakis (2,6-di-O-methyl)- $\beta$ -cyclodextrin supramolecular adduct (2020) *Journal of Thermal Analysis and Calorimetry*, 142 (5), pp. 1963-1976. DOI: 10.1007/s10973-020-09901-7 (Q2, FI/2019=2,731).
148. Șfirloaga, P., Vlase, G., Vlase, T., Malaescu, I., Marin, C.N., Vlăzan, P. Silver doping in lanthanum manganite materials: structural and electrical properties (2020) *Journal of Thermal Analysis and Calorimetry*, 142 (5), pp. 1817-1823. DOI: 10.1007/s10973-020-10095-1 (Q2, FI/2019=2,731).
149. Circioban, D., Ledeti, I., Suta, L.-M., Vlase, G., Ledeti, A., Vlase, T., Varut, R., Sbarcea, L., Trandafirescu, C., Dehelean, C. Instrumental analysis and molecular modelling of inclusion complexes containing artesunate (2020) *Journal of Thermal Analysis and Calorimetry*, 142 (5), pp. 1951-1961. DOI: 10.1007/s10973-020-09975-3 (Q2, FI/2019=2,731).
150. Circioban, D., Ledeti, A., Vlase, G., Vlase, T., Dehelean, C., Ledeti, I. Thermal stability and kinetic

- degradation study for dihydroartemisinin (2020) *Journal of Thermal Analysis and Calorimetry*, 142 (5), pp. 2131-2139. DOI: 10.1007/s10973-020-09902-6 (Q2, FI/2019=2,731)
151. Sfirloaga, P., Sebarchievici, L., 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, DOI: 10.1016/j.jallcom.2020.155854 (Q1, FI/2019=4,65).
152. 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 (2020) *Journal of Thermal Analysis and Calorimetry*, 142 (1), pp. 191-201. DOI: 10.1007/s10973-020-09524-y (Q2, FI/2019=2,731).
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 (2020) *Journal of Thermal Analysis and Calorimetry*, 141 (3), pp. 991-998. DOI: 10.1007/s10973-020-09917-z (Q2, FI/2019=2,731)
154. Vlase, D., Diaconescu, D.S., Bunoiu, V., Bunoiu, M., Vlase, G., Sfarloagă, P., Vlase, T. Analytical investigations of adornment pieces from Susani (Timiș County, Romania) (2020) *Journal of Thermal Analysis and Calorimetry*, 141 (3), pp. 1067-1074. DOI: 10.1007/s10973-020-09878-3 (Q2, FI/2019=2,731)
155. Circioban, Denisa; Ledeti, Adriana; Vlase, Gabriela; Ledeti, Ionut; Vlase, Titus; Varut, Renata; Pavel, Ioana Zinuca; Dehelean, Cristina. Preparation, physicochemical characterization and biological activity evaluation of some inclusion complexes containing artesunate (2020) *Journal of Thermal Analysis and Calorimetry*, 141 (3), pp. 1041-1051. DOI: 10.1007/s10973-020-09763-z (Q2, FI/2019=2,731).
156. 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 (2020) *Journal of Thermal Analysis and Calorimetry*, 141 (3), pp. 973-979. DOI: 10.1007/s10973-020-09633-8 (Q2, FI/2019=2,731)
157. Crisan, 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 (2020) *Journal of Thermal Analysis and Calorimetry*, 141 (3), pp. 1009-1016. DOI: 10.1007/s10973-020-09628-5 (Q2, FI/2019=2,731)
158. Tanase, Ionut-Mihai; Sbarcea, Laura; Ledeti, Adriana; Vlase, Gabriela; Barvinschi, Paul; Varut, Renata-Maria; Dragomirescu, Anca; Axente, Carmen; Ledeti, Ionut. Physicochemical characterization and molecular modeling study of host–guest systems of aripiprazole and functionalized cyclodextrins (2020) *Journal of Thermal Analysis and Calorimetry*, 141 (3), pp. 1027-1039. DOI: 10.1007/s10973-020-09549-3 (Q2, FI/2019=2,731).
159. 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 xanthylium dye (2020) *Journal of Thermal Analysis and Calorimetry*, 141 (3), pp. 999-1008. DOI: 10.1007/s10973-019-08911-4 (Q2, FI/2019=2,731)
160. Ledeti, I., Romanescu, M., Circioban, D., Ledeti, A., Vlase, G., Vlase, T., Suci, O., Murariu, M., Olariu, S., Matusz, P., Buda, V., Piciu, D. Stability and compatibility studies of levothyroxine sodium in solid binary systems—instrumental screening (2020) *Pharmaceutics*, 12 (1), art. no. 58, (Q1, FI/2019=4,421).
161. Buda, V., Baul, B., Andor, M., Man, D.E., Ledeti, A., Vlase, G., Vlase, T., Danciu, C., Matusz, P., Peter, F., Ledeti, I. Solid state stability and kinetics of degradation for candesartan—Pure compound and pharmaceutical formulation (2020) *Pharmaceutics*, 12 (2), art. no. 86, (Q1, FI/2019=4,421).
162. Mădălina MATEESCU, Gabriela VLASE, Daniela JUMANCA2, Atena GALUSCAN, Claudiu AVRAM, Titus VLASE, “Comparative study regarding thermal behaviour of mixtures based on hydroxyapatite and methacrylate for dental use”, *Mater. Plast.*, 2021\_58(1): 1-10, DOI: 10.37358/MP.21.1.5439.
163. Sbarcea L, Tanase, I-M; Ledeti A., Circioban D; Vlase, Gabriela; Barvinschi P, Miclau M, Varut R; Suci O; Ledeti I., Risperidone/Randomly Methylated beta-Cyclodextrin Inclusion Complex-Compatibility Study with Pharmaceutical Excipients, *Molecules*, 2021; 26(6), DOI: 10.3390/molecules26061690.
164. Grad O ; Ciopec M ; Negrea A ; Duteanu N ; Vlase G. ; Negrea P ; Dumitrescu C ; Vlase T ; Voda R , Precious metals recovery from aqueous solutions using a new adsorbent material, *Scientific Report*, 2021; 11(1) DOI: 10.1038/s41598-021-81680-z.
165. Crisan M ; Petric M ; Vlase G; Vlase, T ; Siminel AV ; Bourosh PN ; Croitor L ,Organic salt versus salt cocrystal: thermal behavior, structural and photoluminescence investigations, (2021) *Journal of Thermal Analysis and Calorimetry*, Accepted 10.1007/s10973-020-10438-y.

166. Dorothea Bajas, Gabriela Vlase, Mădălina Mateescu, Oana Alexandra Grad, Mădălin Bunoiu, Titus Vlase and Claudiu Avram, "Formulation and Characterization of Alginate-Based Membranes for the Potential Transdermal Delivery of Methotrexate". *Polymers*, 2021, 13, 161. <https://doi.org/10.3390/polym13010161>.
167. Cristina-Adela Marioane, Mădălin Bunoiu, Mădălina Mateescu, Paula Sfirloaga, Gabriela Vlase\*, Titus Vlase. „Preliminary study for the preparation of transmucosal or transdermal patches with acyclovir and lidocaine”. *Polymers* 2021; 13(20):3596.
168. Bunoiu M, Vlase G, Bina I, Balasoiu M, Pascu G, Vlase T. "Study of thermal stability of some magnetorheological elastomers", *Romanian Reports in Physics*, 2021; 73(2):503.
169. Croitor, L; Petric, M; Crisan, L; Bourosh, PN; Vlase, G; Vlase, T ); Crisan, M, Effect of substituents on the crystal structure and thermal stability of N-phosphorylated iminophosphoranes, *Journal of Thermal Analysis and Calorimetry*, 2022, 149 (9), pp. 5423.
170. Croitor, L; Vlase, G; (...); Crisan, M, Relationship between crystal structure and thermal properties of polymorphic system methylethanolammonium 2-chloro-4-nitrobenzoate, *Journal of Thermal Analysis and Calorimetry*, 2022, 147 (9) , pp.5437-5449
171. Vlase, D; Vlase, T; (...); Vlase, G, Characteristics of late Neolithic pottery of the Zau culture: analysis of pottery samples from Iernut-Site II (Mures County, Romania) *Journal of Thermal Analysis and Calorimetry*, 2022, 147 (9) , pp.5351-5363
172. Vlase, G; Vlase, D; Ferencz, IV; Sfirloaga, P; Micle, D; Manea, F; Vlase, T, Comparative thermal and hyphenated analysis of different mortars samples from Deva region, *Journal of Thermal Analysis and Calorimetry*, 2022,147 (9) , pp.5365-5376.
173. Segneanu, AE ; Marin, CN ; Vlase, G ; Capan, C ; Mihailescu, M ; Muntean, C ; Grozescu, I, Highly efficient engineered waste eggshell-fly ash for cadmium removal from aqueous solution, *Scientific Report*, 2022, 12(1), 9676.
174. Okolisan, D ; Vlase, G; Vlase, T; Avram, C, Preliminary Study of kappa-Carrageenan Based Membranes for Anti-Inflammatory Drug Delivery, *Polymers*, 2022, 14(20)4275
175. Segneanu, Adina-Elena; Vlase, G ; Lukinich-Gruia, AT ; Herea, DD; Grozescu, I , Untargeted Metabolomic Approach of Curcuma longa to Neurodegenerative Phytocarrier System Based on Silver Nanoparticles, *Antioxidants*, 2022, 11(11), 2261.
176. Budiul, MM , Marioane, CA; Bradu, IA Vlase, G ; Vlase, T , FTIR and thermal studies of medicated jellies with topiramate., *Journal of Thermal Analysis and Calorimetry*, 2022, DOI 10.1007/s10973-022-11882-8
177. 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 Timiș county, *Ceramics International*, 2022 DOI: 10.1016/j.ceramint.2022.12.120178.
178. Mateescu, Mădălina, Vlase, Gabriela, Budiul, Mihaela Maria, Cernușcă, 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
179. Lozovan Vasile; Kravtsov Victor Ch; Chumakov Yurii M; Costriucova Natalia V; Siminel Nikita; Petuhov Oleg; Vlase Titus; Vlase Gabriela; Barba Alic; Fonari Marina S. Zn(II) and Cd(II) Metal-Organic Frameworks with Azine-Functionalized Pores: Crystal Structures, Photoluminescence, Solvent Exchange, and Molecular Simulations of Carbon Dioxide Binding Sites, *Crystal Growth and Design*, Volume 23, Issue 5, Pages 3171 - 31853 May 2023.
180. Bengescu Cosmina; Ledeti, Adriana; Olariu Tudor; Cîrcioban Denisa; Muntean Cornelia, Vlase Gabriela; Vlase Titus; Tomoroga Carmen; Dragomirescu Anca Octavia; Dascălu Daniela; Șuta Lenuța-Maria; Ledeti Ionuț. 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.
181. Segneanu, Adina-Elena; Vlase, Gabriela; Chirigiu, Liviu; Herea, Daniel Dumitru; Pricop, Maria-Alexandra; Saracin, Patricia-Aida; Tanasie, Ștefania. Romanian Wild-Growing *Armoracia rusticana* L.—Untargeted Low-Molecular matebolomic Approach to a Potential Antitumoral Phyto-Carrier System Based on Kaolinite. *Antioxidants* 2023,12(6), Article number 1268.

### iii. Lucrări științifice apărute în rezumat în volumele unor manifestări științifice 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.
- G.Jurca, T.Vlase, N. Doca, "Non isothermal decomposition of some complexes and organic salts", The XIII-th Conference "Physical Methods in Coordination and Supramolecular Chemistry", Chişinău, 7-10 September 1999, p. 98
  - T.Vlase, G.Jurca, N. Doca, "Study on supported catalyst precursors by processing the thermogravimetric data", The XIII-th Conference "Physical Methods in Coordination and Supramolecular Chemistry", Chişinău, 7-10 September 1999, p. 140.
  - 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.
  - 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.
  - 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
  - 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.
  - 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.
  - 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.
  - 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.
  - T.Vlase, Gabriela Vlase, A.Chiriac and N.Doca, "NPK method by non-isothermal decomposition of some food additives", The I-st International Conference of the Moldavian Chemical Society, 6-8 October 2003, Chisinau, Moldova, p. 116
  - 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
  - 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
  - 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
  - T.Vlase, G.Vlase, N.Doca, "Thermal stability of food aditives of glutamate and benzoate type", 13th International Congress on Thermal Analysis and Calorimetry, ICTAC 13, September 12-19 2004, Chia Laguna, Italia, p.254
  - 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
  - Gabriela Vlase, G.Ilia, T.Vlase, N. Doca: "Kinetic aspects by effect of flamme-retardants on wood", Proceedings of European Conference Calorimetry and Thermal Analysis for Environment ECCTAE 2005, 6-11 September, Zakopane, Poland, 2005, 65-69
  - D.Tița, Gabriela Vlase, B.Tița, N.Doca\*, Nicoleta Birta, T. Vlase, "Comparative kinetic study by decomposition of some diazepine derivates under isothermal and non-isothermal conditions", ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug.2006, KRACOW, Poland, p. 102, ISBN 83-89541-74-2
  - 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
  - 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
  - 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
  - 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
24. 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
  25. Alexandra Ioiteșcu, 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
  26. Gabriela Vlase, B.Tița, N.Doca, Nicoleta Birta, D.Tița, T. Vlase, "Non-isothermal kinetics by decomposition of some diazepam derivatives", ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug. 2006, KRACOW, Poland, p. 103, ISBN 83-89541-74-2
  27. B. Tița, Gabriela Vlase, Daniela Onețiu, Mariana Doca, D.Tița, T.Vlase, N.Doca, "Thermal behaviour of active compounds vs. pharmaceuticals by some diazepam", ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug.2006, KRACOW, Poland, p. 61, ISBN 83-89541-74-2
  28. 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
  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 phenitoinic 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. Ioiteșcu, "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 TiO<sub>2</sub>", The 8th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2007), Palermo, Italy, Sept. 2007, p. 205
  35. Nicolina 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. 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. M.Stefănescu, M.Stoia, O.Stefănescu, C. Davidescu, G. Vlase, " Synthesis and characterisation of poly(vinil alcohol)/ethylene glycol/silica hybrids. Thermal analysis and FT-IR study" International conference of physical chemistry, Romphyschem 13, September 3-5, 2008.
  38. 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
  39. Titus Vlase, Gabriela Vlase, Nicolae Doca, Gheorghe Ilia, "Thermal behavior of an sol-gel system containing aniline and organic phosphonates", ICTAC-14, International Symposium on Thermal Analysis and Calorimetry, Brazilia, Sept.2008
  40. 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
  41. 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
  42. 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.
  43. 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.

44. A. Fuliaş, T. Vlase, G. Vlase, N. Doca, "Thermal behaviour of cephalexin in different mixtures", 9th Mediterranean Conference on Calorimetry and Thermal Analysis MEDICTA - 15-18 June Marseille, France, p. 43
45. T. Vlase, O. Ştefănescu, G. Vlase, N. Doca, M. Ştefănescu, "Thermal behaviour of compounds obtained by reaction between  $\text{Fe}(\text{NO}_3)_3$  and low diols", 9th Mediterranean Conference on Calorimetry and Thermal Analysis MEDICTA - 15-18 June Marseille, France, p. 102
46. Oana Ştefănescu, Titus Vlase, Gabriela Vlase, Nicolae Doca, Mircea Ştefănescu, "Synthesis and characterization of new carboxylate compounds obtained in the redox reaction between  $\text{Fe}(\text{NO}_3)_3$  and diols", Abstract Book, European Symposium on Thermal Analysis and Calorimetry ESTAC- 10, 22-27 aug.2010, Rotterdam, p.95
47. 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
48. Adriana Fuliaş, Gabriela Vlase, Nicolea Doca, Titus Vlase, "Thermal Behaviour of some Phenazones", Abstract Book, European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p. 117
49. Adriana Fuliaş, Gabriela Vlase, Titus Vlase, Bogdan Tita, Dumitru Tita, Nicolea Doca, "Thermal behaviour of Cefadroxil monohydrate. EGA Study", European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p. 116
50. 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
51. Corina Duda-Seimann, T. Vlase, Gabriela Vlase, D. Duda-Seimann, 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
52. 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
53. 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
54. Adriana Fuliaş, Gabriela Vlase, Titus Vlase, Bogdan Tita, Nicolea Doca, "Comparative kinetic analysis on thermal decomposition of some Cephalosporins using TG and DSC data" European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug 2010, Rotterdam, p. 115.
55. Adriana Fuliaş, 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.
56. 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
57. T. Vlase, P. Albu, Gabriela Vlase, C. Bolcu, E. Sisu, N. Doca, "Aminated maltose as reticulant in polyurethane synthesis", 10th Mediterranean Conference on Calorimetry and Thermal Analysis MEDICTA 2011, Porto, Portugal
58. 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](#)
59. 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](#)
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. Sisu, 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. 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](#)

64. 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](#)
65. O. Ștefănescu, T.Vlase, S. Sorescu, P. Barvinschi, M. Ștefănescu, "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. Adriana Fulias, Gabriela Vlase, Carmen Alexandra Grigorie, Titus Vlase, "Thermal behavior studies of procaine and Benzocaine. Kinetic Analysis", 11<sup>th</sup> Conferenceon Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p. 148
67. Vlase, C. Bolcu, Dorina Modra, Gabriela Vlase, N. Doca, "Thermal behavior of some diisocyanate-silane compounds", 11<sup>th</sup> Conferenceon Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p. 167
68. Gabriela Vlase, Iolanda Tolan, T. Vlase, N.Doca, "Stabilization effect of glutamic acid on wheat amidon and the wheat flour", 11<sup>th</sup> Conferenceon Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p. 168
69. Iolanda Tolan, Gabriela Vlase, T. Vlase, N. Doca, "Thermal behavior of simulated flour under non-isothermal conditions", 11<sup>th</sup> Conferenceon Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p 169
70. Nicolina Pop, A.M. Mogoș, Gabriela Vlase, T. Vlase, N. Doca, "Correlation between DTG and IR data in evolved gas analysis experiments", 11<sup>th</sup> Conferenceon Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p. 199
71. T. Vlase, G. Vlase, N. Doca, "The non-parametric kinetic method in characterization of different materials", 11<sup>th</sup> Conferenceon Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p. 82
72. Ionuț Ledeti, Adriana Fuliaș, 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
73. Adriana Fuliaș, IonuțLedeti, Gabriela Vlase, Titus Vlase, Daniela Onețiu, Dorel Săndesc, NicolaeDoca, 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.
74. Adriana Fuliaș, IonuțLedeti, 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.
75. IonuțLedeti, Adriana Fuliaș, Maria Ilici, VasileBercean, Gabriela Vlase, Paul Albu, VioletaTurcuș, 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.
76. Adriana Fulias, Gabriela Vlase, Titus Vlase, VasileBercean, IonutLedeti, 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.
77. Adriana Fulias, Gabriela Vlase, Titus Vlase, IonutLedeti, 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.
78. IonutLedeti, 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
79. Ionut Ledeti, Gabriela Vlase, Titus Vlase, GeorgetaSimu, 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.
80. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Alina Heghes, Laura Sbârcea, Adriana Fulias, Compatibility study of immunosuppressive agent methotrexate with some pharmaceutical excipients, 3rd World Conference on Physico-Chemical Methods in Drug Discovery and Development, September 20-26, 2013, Dubrovnik, Croatia,

Abstract Book, p. 66.

81. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Lucretia Udrescu, Adriana Fulias, Solid-state characterization of antiarrhythmic agent amiodarone hydrochloride under non-isothermal conditions. Compatibility study with some pharmaceutical excipients, 3rd World Conference on Physico-Chemical Methods in Drug Discovery and Development, September 20-26, 2013, Dubrovnik, Croatia, Abstract Book, p. 67.
82. 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.
83. Ionut 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.
84. Adriana Fulias, Vasile Berceanu, Gabriela Vlase, Titus Vlase, Ionut 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.
85. Fulias, I. Ledeti, L.M. Suta, G. Vlase, T. Vlase, "Kinetic study of betulonic acid", 5-th EuCheMS Chemistry Congress, August 31- september 4, 2014, Istanbul, Turkey.
86. 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  $\text{Co(II)}$ ,  $\text{Zn(II)}$  and  $\text{Fe(III)}$ , carboxylate precursors, The 11-th European Symposium on Thermal Analysis and Calorimetry, Finland, Aug. 17-21, 2014.
87. Mircea Stefanescu, Simona Sorescu, Daniela Susan Resiga, Oana Stefanescu, Gabriela Vlase, "Obtaining of  $\text{NiO/SiO}_2$  by thermal decomposition of  $\text{Ni(II)}$  carboxylates formed within hybrid silicagels", The 11-th European Symposium on Thermal Analysis and Calorimetry, Finland, Aug. 17-21, 2014.
88. Adriana Fulias, Gabriela Vlase, Lenuta-Maria Suta, Codruta Soica, Titus Vlase, Ionut Ledeti, Screening and characterization of cocrystal formation of carbamazepine with succinic acid, XXXVI, AICAT Congress, Cagliari, Sept. 8-11 2014, p.78
89. Adriana Fulias, Gabriela Vlase, Lenuta Maria-Suta, Codruta Soica, Titus Vlase, Ionut Ledeti, Ketoprofen-Cysteine cocrystal- Synthesis, thermal analysis and FTIR spectroscopy investigation. XXXVI, AICAT Congress, Cagliari, Sept. 8-11 2014, p.77
90. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Lenuta-Maria Suta, Anamaria Todea, Ionel Ciucanu, Adriana Fulias, Kinetic study regarding the decomposition of pravastatin –active substance and tablets, XXXVI, AICAT Congress, Cagliari, Sept. 8-11 2014, p. 81
91. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Lenuta-Maria Suta, Anamaria Todea, Ionel Ciucanu, Adriana Fulias, Solid –state evaluation of compatibility between simvastatin and pharmaceutical excipients, XXXVI, AICAT Congress, Cagliari, Sept. 8-11 2014, p. 80
92. Ionut 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
93. 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
94. 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
95. 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
96. 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
97. Cristina Patrutescu, Paul Albu, Titus Vlase, Dorina Ardelean, Gabriela Vlase, TG/DTG/DTA used for determining the kinetic parameters of an immunosuppressive agent mycophenolatemofetil., XXXVI, AICAT Congress, Cagliari, Sept. 8-11 2014, p. 85.
98. 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.
99. Gabriela Vlase, Alin Mogos, Determination of major and minor element in soil using microwave plasma atomic emission spectrometer, RO-ICAC 2014, 2nd International Conference on Analytical Chemistry, Valahia University of Targoviste, sept. 17-21, 2014.
100. 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
101. Ionuț Ledeti, Andreea Alexa, Vasile Berceanu, Titus Vlase, Alin Mogos, Adriana Fuliaș, 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
  102. Ionuț Ledeti, Gabriela Vlase, Titus Vlase, Ionel Ciucanu, Adriana Fuliaș, 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
  103. Ionuț Ledeti, Vasile Bercean, Gabriela Vlase, Titus Vlase, Adriana Fuliaș, 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
  104. Adriana Fuliaș, 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
  105. Adriana Fuliaș, 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
  106. Paul Albu, Gabriela Vlase, Titus Vlase, Sorin Doca, Nicolae Doca, Thermal behavior of sodium alendronate, a kinetic study under non-isothermal conditions, Book of abstract 3<sup>rd</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry (**CEEC-TAC3**) 25-28 August 2015, Ljubljana, Slovenia, p.212
  107. Ionuț Ledeti, Gabriela Vlase, Tudor Olariu, Adriana Fuliaș, Nicolae Doca, Titus Vlase, Investigation of thermal-induced decomposition of iodoform, Book of abstract 3<sup>rd</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry (**CEEC-TAC3**) 25-28 August 2015, Ljubljana, Slovenia, p. 398
  108. Titus Vlase, Dorina Modra, Gabriela Vlase, Nicolae Doca, Constantin Bolcu, Influence of the polyol on the thermal behavior of different polyesters, Book of abstract 3<sup>rd</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry (**CEEC-TAC3**) 25-28 August 2015, Ljubljana, Slovenia, p.409
  109. Titus Vlase, Dorina Modra, Gabriela Vlase, Nicolae Doca, Constantin Bolcu, Thermal behavior of some branched bicomponent phthalic base polyesters, Book of abstract 3<sup>rd</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry (**CEEC-TAC3**) 25-28 August 2015, Ljubljana, Slovenia, p.410
  110. Paul Albu, Iulia Ceban, Gabriela Vlase, Titus Vlase, Thermal behavior and kinetic study of a bioactive hydroxyapatite/gelatin hybrid organic/inorganic composite, Book of abstract 3<sup>rd</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry (**CEEC-TAC3**) 25-28 August 2015, Ljubljana, Slovenia, p.242
  111. 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, Book of abstract 3<sup>rd</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry (**CEEC-TAC3**) 25-28 August 2015, Ljubljana, Slovenia, p.239
  112. P. Sfirloaga, C. Ianasi, T. Vlase, P. Vlazan, Synthesis and morpho-structural characterization of NaTaO<sub>3</sub> nanomaterials obtained by a fast synthesis method, Book of abstract 3<sup>rd</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry (**CEEC-TAC3**) 25-28 August 2015, Ljubljana, Slovenia, p. 316
  113. Ionuț Ledeti, Gabriela Vlase, Adriana Fuliaș, Lenuța-Maria Șuta, Paul Albu, Ionel Ciucanu, Titus Vlase, Search of interaction indicators in binary mixtures of Pravastatin sodium with pharmaceutical excipients, Book of abstract 3<sup>rd</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry (**CEEC-TAC3**) 25-28 August 2015, Ljubljana, Slovenia, p. 400
  114. Ionuț Ledeti, Gabriela Vlase, Adriana Fuliaș, Lenuța Șuta, Paul Albu, Codruța Șoica, Cristina Dehelean, Titus Vlase, Is oxo group a stabilising or destabilising moiety in pentacyclic triterpenoid structure?, Book of abstract 3<sup>rd</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry (**CEEC-TAC3**) 25-28 August 2015, Ljubljana, Slovenia, p. 401
  115. Alexandra Carmen Grigorie, Paul Barvinschi, Cornelia Muntean, Oana Stefanescu, Gabriela Vlase, Mircea Stefanescu, Simple and mixed oxide systems undispersed and dispersed in SiO<sub>2</sub>, obtained by thermal decomposition of Zn(II), Mg(II) and Al(III) carboxylates, Book of abstract 3<sup>rd</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry (**CEEC-TAC3**) 25-28 August 2015, Ljubljana, Slovenia, p. 399

116. Roxana Blajovan, Gabriela Vlase, Ionuț Ledetși, Adriana Fuliăș, Titus Vlase, Study of thermal induced interactions between polyvinyl alcohol and pharmaceutical excipients, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
117. Roxana Blajovan, Gabriela Vlase, Ionuț Ledetși, Adriana Fuliăș, Titus Vlase, Is polyvinylpyrrolidone compatible with other pharmaceutical excipients? Thermal and spectroscopic investigations, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
118. Albu Paul, Roxana Blajovan, Gabriela Vlase, Titus Vlase, Studies regarding the complex thermal degradation proces of zoledronic acid, an osseointegration agent, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
119. Paul Albu, Titus Vlase, Gabriela Vlase, Iulia Ceban, Biomimetic hydroxyapatite/biopolymer matrix composite: synthesis, characterization and kinetic analysis, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
120. Iulia Ceban, Titus Vlase, Gabriela Vlase, Paul Albu, Thermal behavior of biomimetic hydroxyapatite prepared in carrageenan matrix, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5<sup>th</sup> Joint Czech-Hungarian- Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
121. 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, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish– Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland Ionel Ciucanu, Mihaela Maria Budiul, Titus Vlase, Chromatography-mass spectrometry methods for thermal degradation products of lovastatin, 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish– Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
122. Titus Vlase, Constantin Bolcu, Dorina Modra, Gabriela Vlase, Influence of the nature of the glycol on the thermal stability of phthalic anhydride based polyesters, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
123. Gabriela Vlase, Dorin Jurcău, Anca Marc, Titus Vlase, Influence of the nature of the glycol on the thermal stability and kinetic parameters of phthalic anhydride based polyesters obtained in microwave field, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
124. Gabriela Vlase, Ionuț Ledetși, Titus Vlase, Adriana Fuliăș, Thermal-induced interactions between mycophenolic acid and pharmaceutical excipients, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
125. Paul Albu, Gabriela Vlase, Titus Vlase, Thermoanalytical data collected from TG/DTG/DTA studies conducted on the interactions between repaglinide and various excipients, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
126. Ionuț Ledetși, Gabriela Vlase, Titus Vlase, Adriana Fuliăș, Nicolae Doca, Thermoanalytical screening of potential metoclopramide-excipliant interactions in preformulation studies, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12)

- and 5<sup>th</sup> Joint Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
127. Sorin Doca, Nicolae Doca, Marius Pricop, Horatiu Urechescu, Gabriela Vlase, Titus Vlase, Rapid quantitative test of natural bone granules used in dental practice, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
128. Ionuț Ledeti, Doina Piciu, Gabriela Vlase, Titus Vlase, Adriana Fuliș, Kinetic study and solid-state analysis of synthetic thyroid hormone: l-thyroxine vs. l-thyroxine sodium, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
129. Ionuț Ledeti, Gabriela Vlase, Titus Vlase, 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, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
130. Adriana Fuliș, Gabriela Vlase, Titus Vlase, Lenuța-Maria Șuta, Ionuț Ledeti, Kinetic study under non-isothermal conditions and comparative thermal behavior of three tricyclic antidepressants with similar structure, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
131. Adriana Fuliș, Gabriela Vlase, Titus Vlase, 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, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA 12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
132. Ionel Ciucanu, Mihaela Maria Budiul, Gabriela Vlase, Determination of simvastatin thermal degradation products by chromatography-mass spectrometry methods, Book of abstract 12<sup>th</sup> Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (CCTA12) and 5<sup>th</sup> Joint Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
133. Mihaela Maria Budiul, Iuliana Lacrămiorara Axinte, Gabriela Vlase, Titus Vlase, Paul Albu, Evaluation of the effect of functional groups on the thermal stability of adamantane derivatives. Case study: adamantane-2-one and memantine hydrochloride, 25<sup>th</sup> Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 28, Book of abstract, pg. 70.
134. Iuliana Lacrămiorara Axinte, Gabriela Vlase, Titus Vlase, Thermally induced interaction by models of commercial meat products, 25<sup>th</sup> Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 29, Book of abstract, pg. 71.
135. Adriana Ledeti, Gabriela Vlase, Lenuța-Maria Șuta, Titus Vlase, Ionuț Ledeti, Kinetic study in class of three tricyclic antidepressants: Amitriptyline, Desipramine and Imipramine, 25<sup>th</sup> Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 30, Book of abstract, pg. 72.
136. Ionuț Ledeti, Gabriela Vlase, Adriana Ledeti, Lenuța-Maria Șuta, Titus Vlase, Nortriptyline- study of solid-state compatibility with pharmaceutical excipients, 25<sup>th</sup> Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 31, Book of abstract, pg. 73.
137. Lenuța-Maria Șuta, Gabriela Vlase, Ionuț Ledeti, Titus Vlase, Adriana Ledeti, Screening of binary adduct formation of Desipramine with different carboxylic acids, 25<sup>th</sup> Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 32, Book of abstract, pg. 74.
138. Manuela Crișan, Gabriela Vlase, Titus Vlase, Thermal and kinetics of primary, secondary and tertiary alkanolammonium salts of p-nitrobenzoic acid, 25<sup>th</sup> Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 33, Book of abstract, pg. 75.
139. Paul Albu, Mihaela Maria Budiul, Gabriela Vlase, Titus Vlase, Compatibility studies of Mycophenolate mofetil in binary mixtures with different excipients, 25<sup>th</sup> Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 34, Book of abstract, pg. 76.
140. Paul Albu, Gabriela Vlase, Titus Vlase, Nicolae Doca, An attempt to determine the thermal induced degradation mechanism for zoledronic acid, an osseointegration agent, P11, Book of abstracts: AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p. 54



141. Sorin Cristian Doca, Gabriela Vlase, Titus Vlase, Nicolae Doca, Thermally induced processes in alendronate-containing solid formulation, P12, Book of abstracts: AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p.56
142. Adriana Ledeti, Gabriela Vlase, Titus Vlase, Denisa Circioban, Cristina Dehelean, Lenuta-Maria Suta, Ionut Ledeti. Binary mixtures of desipramine and excipients – compatibility studies. P17, Book of abstracts: AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p.61
143. Adriana Ledeti, Gabriela Vlase, Titus Vlase, Denisa Circioban, Cristina Dehelean, Lenuta-Maria Suta, Ionut Ledeti, Solid-state characterization of levodopa – preformulation studies. P18, Book of abstracts: AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p.62
144. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Cristina Dehelean, Denisa Circioban, Lenuta-Maria Suta, Adriana Ledeti, Study of compatibility of donepezil and pharmaceutical excipients. P19. Book of abstracts: AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p.63
145. Ionut Ledeti, Gabriela Vlase, Titus Vlase, Cristina Dehelean, Denisa Circioban, Lenuta-Maria Suta, Adriana Ledeti. Nortriptyline-kinetic approach of thermal degradation, P20, Book of abstracts: AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p.64
146. Gabriela Vlase, Adriana Ledeti, Ionut Ledeti, Titus Vlase, Compatibility study of nortriptyline with some pharmaceutical excipients, P42, Book of abstracts: AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p.87
147. Gabriela Vlase, Adriana Ledeti, Ionut Ledeti, Titus Vlase. KINETIC STUDY OF THERMAL DEGRADATION OF LEVODOPA FROM DSC DATA, P43, Book of abstracts: AICAT-GICAT2016 - September 25-28, 2016, Ischia (NA), Italy, p.88
148. Roxana Blajovan, Adriana Ledeti, Gabriela Vlase, Ionuț Ledeti, Paul Albu, Titus Vlase. Study of thermal induced interactions between hydroxyethylcellulose and carboxymethylcellulose with different excipients, P44, Book of abstracts: AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p.89
149. Mihaela Budiul, Gabriela Vlase, Paul Albu, Adriana Ledeti, Ionuț Ledeti, Titus Vlase, Comparative thermal behavior and kinetic study of degradation for adamantan-2-one vs. memantine hydrochloride, P45, Book of abstracts: AICAT-GICAT 2016 - September 25-28, 2016, Ischia (NA), Italy, p.90
150. 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
151. 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
152. 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
153. 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
154. 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
155. 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
156. 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
157. 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
158. 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, Chişinău, Moldova

159. 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
160. 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
161. 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
162. 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
163. Ionuț Ledeti, Marius Murariu, Sorin Olariu, Codruț Ivan, Denisa Cîrcioban, Gabriela Vlase,
164. 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
165. 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
166. 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, 12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Braşov, Romania PS2. 141, p. 507
167. 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, 12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Braşov, Romania PS2. 140, p. 506
168. Laura Sbarcea, Adriana Ledeti, Lucreția Udrescu, Paul Barvinschi, Gabriela Vlase, Ionuț Ledeti. Characterization of Betulonic acid – cyclodextrins inclusion complexes. Book of Abstracts, 12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Braşov, Romania. PS2. 157, p. 523
169. 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, 12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Braşov, Romania PS1 163, p. 347
170. Mădălin BUNOIU<sup>1</sup>, Gabriela VLASE<sup>2</sup>, Ioan BICA<sup>1</sup>, Titus VLASE. Study of thermal stability of some magnetorheometric elastomers. Book of Abstracts, 12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Braşov, Romania. PS2.160, p. 526
171. Moşoiu CODRUȚA<sup>1</sup>, Stefana DEZSI<sup>1</sup>, Dan VLASE<sup>2</sup>, Mădălina MATEESCU<sup>1</sup>, Gabriela VLASE<sup>1</sup>, Titus VLASE. TG-DTA and FTIR analyses of roman and later historic mortars from Drobeta-Turnu Severin region. Book of Abstracts, 12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Braşov, Romania PS2.161, p. 527
172. Mădălina MATEESCU<sup>1</sup>, Liviana POPESCU<sup>2</sup>, Gabriela VLASE<sup>1</sup>, Alexandru PAHOMI<sup>1</sup>, Daniela JUMANCA<sup>2</sup>, Titus VLASE. Comparative study regarding thermal behaviour of mixtures based on hydroxyapatite and methacrylate for dental use. Book of Abstracts, 12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Braşov, Romania. PS1.147, p 331
173. Liviana POPESCU<sup>1</sup>, Mădălina MATEESCU<sup>2</sup>, Gabriela VLASE<sup>2</sup>, Daniela JUMANCA<sup>1</sup>, Titus VLASE. Study of thermally induced interactions between theobromine and various sweeteners. Book of Abstracts, 12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Braşov, Romania. PS1.147, p 331
174. Stefana DEZSI<sup>1</sup>, Moşoiu CODRUȚA<sup>1</sup>, Dan VLASE<sup>2</sup>, Octavian Rogozea<sup>3</sup>, Gabriela VLASE<sup>1</sup>, Titus VLASE. Thermoanalytical investigations of some ceramics dated from the Neolithic period, discovered at Oxamplatz, Sânnandrei, Romania. Book of Abstracts, 12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry

(ESTAC12), 27-30 August 2018 -Braşov, Romania. PS2.162, p. 528

175. Gabriela VLASE<sup>1</sup>, Mădălina MATEESCU<sup>1</sup>, Gheorghe ILIA<sup>2,3</sup>, Titus VLASE<sup>1</sup>. Thermal and FT-IR study of hydroxyapatite precursors obtained from different phosphates. Book of Abstracts, 12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Braşov, Romania. PS2.162, p. 528
176. Alexandra TOMA<sup>1</sup>, Gabriela VLASE<sup>2</sup>, Nicolae DOCA<sup>2</sup>, Gheorghe ILIA<sup>1,3</sup>, Titus VLASE. Synthesis and characterisation of some metals doped hydroxyapatite with possible medical applications. Book of Abstracts, 12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Braşov, Romania. PS1. 139, p.323
177. Alexandru PAHOMI<sup>1</sup>, Gabriela VLASE<sup>1</sup>, Alexandra TOMA<sup>2</sup>, Nicolae DOCA<sup>1</sup>, Gheorghe ILIA<sup>2,3</sup>, Titus VLASE. Synthesis, thermal behaviour and FT-IR study of some hydroxyapatite precursors doped with two metals. Book of Abstracts, 12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Braşov, Romania. PS1. 140, p.324
178. Bianca Beatrice Baul, Lenuţa-Maria Şuta, Anca Dragomirescu, Cornelia Muntean, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Cezara Mureşan, Ionuţ Ledeti, Preformulation studies for mycophenolic acid for solid dosage forms, Book of Abstracts of the 28<sup>th</sup> Symposium on Thermal Analysis and Calorimetry – Eugen Segal – of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR28) & 2<sup>nd</sup> Symposium on Thermal Analysis and Calorimetry of Moldova (MoldTAC2), 9-10 May 2019, Timişoara, Romania, p. 34
179. Cosmina Bengescu, Anca Dragomirescu, Adriana Ledeti, Mirabela Romanescu, Gabriela Vlase, Titus Vlase, Lenuţa-Maria Şuta, Denisa Cîrcioban, Cornelia Muntean, Ionuţ 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, Timişoara, Romania, p. 35
180. Valentina Buda, Gabriela Vlase, Titus Vlase, Anca Dragomirescu, Adriana Ledeti, Minodora Andor, Corina Danciu, Ionuţ Ledeti, Heterogenous degradation of candesartan – active pharmaceutical ingredient and solid dosage form, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timişoara, Romania, p. 36
181. Denisa Cîrcioban, Adriana Ledeti, Gabriela Vlase, Ionuţ Ledeti, Titus Vlase, Renata Văruţ, Ioana Zinuca Pavel, Cristina Dehelean, Physico-chemical and biological evaluation of inclusion complexes containing artesunate, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timişoara, Romania, p. 37
182. Anca Dragomirescu, Lenuţa-Maria Şuta, Cornelia Muntean, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Bianca Beatrice Baul, Lavinia Stelea, Ionuţ Ledeti, Solid state stability of topical antibiotic pseudomonic acid used against superficial skin infections, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timişoara, Romania, p. 38
183. Adriana Ledeti, Mirabela Romanescu, Gabriela Vlase, Titus Vlase, Cornelia Muntean, Anca Dragomirescu, Lenuţa-Maria Şuta, Denisa Cîrcioban, Cezara Mureşan, Ionuţ Ledeti, Compatibility study of Desogestrel with pharmaceutical excipients in solid state, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timişoara, Romania, p. 39
184. Ionuţ 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, Timişoara, Romania, p. 40
185. Cezara Mureşan, Ionuţ 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, Timişoara, Romania, p. 41
186. Claudia Olteanu<sup>1</sup>, Anamaria Todea<sup>1</sup>, Adriana Ledeti<sup>2</sup>, Gabriela Vlase<sup>3</sup>, Titus Vlase<sup>3</sup>, Lenuţa-Maria Şuta<sup>2</sup>, Anca Dragomirescu<sup>2</sup>, Cornelia Muntean<sup>1,4</sup>, Daniela Stoin<sup>5</sup>, Ionuţ Ledeti, Preliminary characterization of some inclusion complexes of volatile oils with functionalised cyclodextrins, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timişoara, Romania, p. 42
187. Iulia Păuşescu, Anamaria Todea, Valentin Badea, Francisc Peter, Mihai Medeleanu, Ionuţ 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, Timişoara, Romania, p. 43
188. Mirabela Romanescu, Adriana Ledeti, Cornelia Muntean, Gabriela Vlase, Titus Vlase, Anca Dragomirescu, Lenuţa-Maria Şuta, Denisa Cîrcioban, Ionuţ Ledeti, Instrumental investigations regarding solid state compatibility between Levothyroxine Sodium and pharmaceutical excipients, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timişoara, Romania, p. 44
189. Laura Sbârcea, Ionuţ Mihai Tănase, Adriana Ledeti, Gabriela Vlase, Anca Dragomirescu, Carmen Axente, Ionuţ Ledeti, Preparation and physico-chemical characterization of host-guest systems of aripiprazole and functionalized cyclodextrins, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timişoara, Romania, p. 45
190. Lenuţa-Maria Şuta, 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
191. 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
192. 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
193. Maria Elena Radulescu-Grad, Gabriela Vlase, Gheorghe Ilia, Simona Gabriela Muntean, Adelina Andeescu, Termoanalytical study of Amido black 10B dye cooper **complex**, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 50
194. Manuela Crisan, Mihaela Petric, Gabriela Vlase, Titus Vlase, Paulina Bourosh, Anatolii V. Simine<sup>3</sup>, 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
195. 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
196. 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
197. 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
198. 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
199. 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
200. 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
201. 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
202. 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
203. 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
204. 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
205. 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
206. 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
207. 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

208. 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
209. 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
210. Bianca Baul, Denisa Cîrcioban, 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
211. Manuela E. Crisan, Lilia Croitor, Paulina N. Bourosh, 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
212. Mihaela F. Petric, Manuela E. Crisan, Lilia Croitor, Paulina N. Bourosh, 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
213. Bianca Baul, Denisa Cîrcioban, 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
214. Ionuț Tănase, Denisa Cîrcioban, 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
215. 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
216. 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
217. 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
218. 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* 30<sup>th</sup> 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
219. Mădălina Mateescu, Gabriela Vlase, Titus Vlase, Preparation and characterization of medicated jelly based on Ibuprofen or Ambroxol. 30<sup>th</sup> 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
220. Mihaela Budiul, Gabriela Vlase, Titus Vlase. *FTIR and thermal studies of medicated jellies with Topiramate*. 30<sup>th</sup> 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
221. Ionut-Mihai Tănase, Denisa Cîrcioban, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Laura Sbârcea, Lenuța-Maria Șuta, Germaine Săvoiu-Balint, Daniela Dascălu, Ionuț Ledeti. Instrumental screening of solid-state preformulation for two atypical antipsychotic agents: aripiprazole and risperidone. 30<sup>th</sup> 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
222. Cosmina Bengescu, Adriana Ledeti, Tudor Olariu, Denisa Cîrcioban, Cornelia Muntean, Gabriela Vlase, Titus Vlase, Carmen Tomoroga, Anca Octavia Dragomirescu, Daniela Dascălu, Lenuța-Maria Șuta, Ionuț Ledeti. Instrumental investigations of promestriene - first report regarding the solid state characterization and compatibility with pharmaceutical excipients. 30<sup>th</sup> 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

223. Dorinel OKOLIŠAN, Titus VLASE, Gabriela VLASE, Preliminary study of  $\kappa$ -carrageenan based membranes for antiinflammatory drug delivery, Book of Abstracts 1<sup>st</sup> Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26<sup>th</sup> & 30<sup>th</sup> of July 2022 Split, Croatia. PS2.35, p. 177
224. Amalia – Ionela BRADU, Gabriela VLASE, Titus VLASE, Biopolymer membranes as drug release system for local anesthetics, , Book of Abstracts 1<sup>st</sup> Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26<sup>th</sup> & 30<sup>th</sup> of July 2022 Split, Croatia. PS2.36, p. 178
225. 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 1<sup>st</sup> Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26<sup>th</sup> & 30<sup>th</sup> of July 2022 Split, Croatia. PS2.37, p. 179
226. Florin Manea, Titus VLASE, Emilian GHICIOI, Nicolae Ioan VLASIN, Maria PRODAN, Methane-air accidental explosion in civil building – Case study, , Book of Abstracts 1<sup>st</sup> Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26<sup>th</sup> & 30<sup>th</sup> of July 2022 Split, Croatia. PS2.38, p. 180
227. Bianca-Denisa CERNUȘCĂ, Gabriela VLASE, Titus VLASE, Thermal stability of sartan class drugs. , Book of Abstracts 1<sup>st</sup> Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26<sup>th</sup> & 30<sup>th</sup> of July 2022 Split, Croatia. PS3.19, p. 205
228. 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 1<sup>st</sup> Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26<sup>th</sup> & 30<sup>th</sup> of July 2022 Split, Croatia. PS3.20, p. 206
229. Mădălina Mateescu, Mihaela Budiul, Gabriela Vlase, Titus Vlase, Preparation and characterization of Propyphenazone medicated jellies, , Book of Abstracts 1<sup>st</sup> Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26<sup>th</sup> & 30<sup>th</sup> of July 2022 Split, Croatia. KL02, p. 42
230. Mihaela Maria BUDIUL, Mădălina MATEESCU, Titus VLASE, Gabriela VLASE, Thermoanalytical and spectroscopic studies on medicated jellies with perphenazine, , Book of Abstracts 1<sup>st</sup> Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26<sup>th</sup> & 30<sup>th</sup> of July 2022 Split, Croatia. PS3.18, p. 204
231. Vlazan P., Malaescu I., Marin C.N., Poienar M, Vlase G., Vlase T., Sfirloaga P. Revealing impact of Ga/Y doping on the thermal and electrical behavior in La MaO<sub>3</sub> ceramics materials, Book of Abstracts 1<sup>st</sup> Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26<sup>th</sup> & 30<sup>th</sup> of July 2022 Split, Croatia. PS3.28, p. 214.
232. Bianca-Denisa CERNUȘCĂ, Gabriela VLASE, Mihaela-Maria BUDIUL, Titus VLASE. Kinetic study and thermal stability of sartan class drugs. 3rd Journal of Thermal Analysis and Calorimetry Conference, 9th V4 (Joint Czech-Hungarian-Polish-Slovakian) Thermoanalytical Conference, 20-23 June 2023, Balatonfured, Hungary, Book of Abstract pag 337.
233. 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), 3rd Journal of Thermal Analysis and Calorimetry Conference, 9th V4 (Joint Czech-Hungarian-Polish-Slovakian) Thermoanalytical Conference, 20-23 June 2023, Balatonfured, Hungary, Book of Abstract pag.
234. Gabriela Vlase, Dorothea Bajas, Amalia Bradu, Mihaela Budiul, Titus Vlase. Preliminary study of polymer-based membrane for Methotrexate drug delivery, 3rd Journal of Thermal Analysis and Calorimetry Conference, 9th V4 (Joint Czech-Hungarian-Polish-Slovakian) Thermoanalytical Conference, 20-23 June 2023, Balatonfured, Hungary Book of Abstract
235. Gabriela Vlase, Alexandra Tășală, Alexandru Pahomi, Mihaela Budiul, Titus Vlase. Compatibility study for new transdermal leflunomide delivery systems, 3rd Journal of Thermal Analysis and Calorimetry Conference, 9th V4 (Joint Czech-Hungarian-Polish-Slovakian) Thermoanalytical Conference, 20-23 June 2023, Balatonfured, Hungary, Book of Abstract pag.
236. Bianca CERNUȘCĂ, 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

237. 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
238. Adina-Elena SEGNEANU, Gabriela VLASE, Crina Andreea SICOE<sup>3</sup>, Titus VLASE<sup>1,2</sup> 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
239. Adina-Elena SEGNEANU<sup>1</sup>, Gabriela VLASE\*, Mihaela Simona CALINESCU (Bocanici)<sup>3</sup>, Titus Vlase, Melinda CEPAN (Farago), Ioan GROZESCU. Performant engineered adsorbent for hexavalent chromium from water solutions p. P.130, Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023
240. Ionela – Amalia Bradu, Titus Vlase<sup>2</sup>, 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
241. 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
242. 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
243. 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
244. 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
245. 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
246. Denisa Cîrcioban, Adriana Ledeti\*, Amalia Ridichie, Titus Vlase, Ionuț Ledeti, 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
247. Bianca Baul, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Francisc Peter, Ionuț Ledeti\*. 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
248. 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, CEEC-TAC 7, 28-31 August 2023, Brno, Czech Republic
249. 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), CEEC-TAC 7, 28-31 August 2023, Brno, Czech Republic
250. 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), CEEC-TAC 7, 28-31 August 2023, Brno, Czech Republic
251. Alexandru Pahomi, Gabriela Vlase, Mădălina Mateescu, Amalia Bradu, Gheorghe Ilia, Titus Vlase. Synthesis and characterisation of some metals doped hydroxyapatite with different applications. CEEC-TAC 7, 28-31 August 2023, Brno, Czech Republic.

#### iv. Lista cărților

- Otilia Bizerea, Gabriela Jurca, "Elemente de Chimia Metalelor. Lucrări practice", Ed. Mirton, Timișoara, 2000, ISBN: 973-585-242-X
- N. Doca, T. Vlase, A. Chiriac, Gabriela Jurca, "Tehnologie Chimică Generală. Probleme propuse și rezolvate", Ed.

Mirton, Timișoara, 2001, ISBN: 973-585-370-1

3. N. Doca, Gabriela Vlase, T. Vlase, "Poluarea – Cauze, efecte, limitare" Ed. Mirton, Timișoara, 2003, I.S.B.N.: 973-661-192-2.

4. N. Doca, T. Vlase, G. Vlase, "Elemente de cataliză eterogenă", Ed. "MIRTON". Timișoara 2007, (146 pagini), (ISBN 978-973-52-0239-2).

5. Gabriela Vlase, Nicolae Doca, Titus Vlase, "Elemente de chimie coordinativă", Ed. "MIRTON". Timișoara 2009, (156 pagini), ISBN 978-973-52-0580-5

6. Gabriela Vlase, Corina Duda-Seiman, Metode fizico-chimice de analiza a substanțelor cu activitate biologică, , Ed. Mirton, Timisoara 2012, ISBN: 978-973-52-1211-7 (70 pag.)

7. Titus Vlase, Gabriela Vlase, Nicolae Doca, "Poluanți Anorganici: Surse, Analize, Diminuare" Ed. Mirton Timișoara 2012, ISBN: 978-973-52-1220-9 (150 pag.)

#### v. Lista contractelor unde am participat ca membru sau director.

1. 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"(Director proiect Prof.dr.ing.N.Doca).

2. 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."(Director proiect Prof.dr.ing.N.Doca).

3. Contract 3525/2000 tema 12 cod 835"Transferul energetic selectiv interfazic; Aplicații privind efectul de suport și la descompunerea unor precursori"(Director proiect Prof.dr.ing.N.Doca).

4. Contract 2001 tema 16 cod 372 „Cinetica de neechilibru. Studiul transferului energetic selectiv”, (Director proiect Prof. dr.ing .N.Doca).

5. Contract 6190/2000 GRANT tip T ANSTI, tema B3: Efectul de compensare și efectul de suport la descompunerea unor precursori, responsabil GRANT Vlase Titus.

6. Act adițional 1/2001 la contract 6190/2000 GRANT tip T ANSTI, tema A1: Efectul de compensare și efectul de suport la descompunerea unor precursori, responsabil GRANT Vlase Titus.

7. Contract C.N.C.S.I.S./2003 tema 2 cod 869 „Stabilitatea termică a substanțelor de interes farmacologic și alimentar”,(Director proiect Prof. dr.ing . N.Doca).

8. GRANT C.N.C.S.I.S. 32944 /2004, cod 869, „Stabilitatea termică a substanțelor de interes farmacologic și alimentar”

9. GRANT C.N.C.S.I.S. 2005, cod 869, „Stabilitatea termică a substanțelor de interes farmacologic și alimentar”.

10. Contract CEEX-MENER 633/03.10.2005 (14,3 miliarde-36 luni)–Responsabil tema T. Vlase la Coordonatorul de proiect U.V.T, Director – Prof.dr. N.Doca.

11. Contract MATHNANTECH 82/2006, 1,2 miliarde Partener 1 UVT responsabil temă Vlase Titus

12. Gabriela Vlase -Director al Contractului CEEX-ET 5861/18.09.2006-2008 încheiat între UVT și MEdC-UEFISCU (Cercetare de excelență pentru tineri-ET, cod proiect 148) cu denumirea Analiza cinetică a comportării termice a unor substanțe și materiale cu acțiune biologică -1,4 miliarde ROL -24 luni.

13. 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 – Director Conf.dr.ing. C.Bolcu. 14. PN-II, Idei 2008, Cod CNCISIS 2376, 2009-2011, Contract 574/2009, 1.000.000 RON, Director Conf.dr.T.Vlase

14. **Proiect PNIII bilateral Romania – Republica Moldova finantat de UEFISCDI, Competitia: PN-III-P3-CEI-BIM-PM-2016-2017, Parteneri:** Romania - Institutul de Chimie Timișoara al Academiei Române - CO, Universitatea de Vest din Timișoara - P1, Universitatea de Științe Agricole și Medicină Veterinară a Banatului "Regele Mihai I al României" din Timișoara – P2, Republica Moldova - Institutul de Fizică Aplicată AȘM, Chisinau

*Titlul proiectului:* New non-toxic aromatic carboxylate derivatives with role in plant growth regulation: from synthesis and structural investigations to biological tests (CAREPLANT)/ Noi derivați carboxilici aromatici non-toxici cu rol în

17. Muntean Cornelia, Vlase, T., Vlase, G., Jasi A., "Non-isothermal kinetic of phosphate and nitrate mixture used as fertilizer", Annals of West University of Timisoara, ser. Chem, 12(3) (2005) 325 – 329

18. Muntean Cornelia, Vlase, T., Vlase, G., Negru P., "Comparison between isothermal and non-isothermal decomposition of some nitrate-phosphate fertilizers", Annals of West University of Timisoara, ser. Chem, 12(3) (2005) 331 – 338

19. Vlase, G., Buiu, N., Doca, N., "Thermal behavior of some organic derivatives used as fuel



## DECLARAȚIE

Subsemnata **Gabriela VLASE**, Profesor univ. Dr. la Departamentul de Biologie-Chimie al Facultății de Chimie, Biologie, Geografie, Universitatea de Vest din Timișoara, declar pe proprie răspundere că nu am fost lucrător sau colaborator al securității.

Timisoara

10.10.2023

Semnatura.

