

**Număr registratură:**



**\*27039.2024.04.24\***

**Numele\_Prenumele: Prof. dr. VLASE GABRIELA**

**Dosar candidatură pentru**

**membru in**

**Consiliul Facultatii Chimie, Biologie, Geografie**

**din partea departamentului Biologie-Chimie**



\*27039.2024.04.24\*

## SCRISOARE DE MOTIVARE A CANDIDATURII

### Pentru membru in Consiliul Facultatii Chimie, Biologie, Geografie din partea departamentului Biologie-Chimie

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 Facultatii de **Chimie, Biologie, Geografie** ca urmare a demarării procedurilor de alegere a noi structuri de conducere.

Sunt absolvent al acestei Facultatii atat al studiilor de licență, studii aprofundate dar și a celor de doctorat. Sunt membru activ în cadrul Facultatii de peste 25 de ani, perioada în care m-am implicat activ la toate activitatile derulate în departamentului, de la activitatiei de promovare, la activitatiei de amenajare a unor laboratoare cât si la dezvoltarea unor noi linii de studii atat de licență cat si de master. Am obținut Atestatul de abilitare și calitatea de conducător de doctorat în 2015. De atunci am fost integrată în cadrul Scolii doctorale de Chimie coordonand trei doctoranzi care si-au sustinut teza de doctorat si au obtinut titlul de doctor si mai coordonez 7 doctoranzi dintre care doi si-au sustinut teza în comisia de îndrumare. Menționez că și în prezent îndeplinesc cu prisosință standardele CNADTCU aferente obtinerii titlului de Profesor. Sunt responsabila Masterului de Chimie clinică și de laborator sanitar de la înființare si anume din anul 2015, am intocmit dosarele de acreditare si am participat la vizitele de Acreditare ARACIS. Ma ocup constant de toate documentele ce vizeaza bunul mers al acestei linii de Master respectand termenele. In prezent sunt responsabilul domeniului de Master Chimie si am intocmit dosarul aferent acreditarii si vizitei ARACIS ce va avea loc in urmatoarea perioada.

În cadrul activității de cercetare, am publicat peste 189 articole ISI din zona roșie si galbena în jurnale de mare prestigiu în domeniul Chimiei, care cumulează peste 2250 citari pe Web of Science cu un h-index = 26 conform Web of Science și h-index = 26 pe Scopus. Am coordonat un proiect de cercetare în calitate de director și am fost membra in peste 16 contracte de Cercetare obtinute prin concurs, toate aceste proiecte fiind finalizate cu rezultate remarcabile. In toata perioada am activat in cadrul Centrului de cercetare “Analize Termice in probleme de mediu” la inceput ca membru apoi ca responsabil stiintific.

Experiența acumulată în calitate de cadru didactic în cei 25 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, echitate și performanță în cadrul Facultatii de Chimie, Biologie, Geografie.

Timisoara

*Prof. dr. Gabriela VLASE*

22.04.2024



## 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

22.04.2024

Semnatura,





**Curriculum vitae  
Europass**



**Informații personale**

Nume / Prenume **Vlase Gabriela**  
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Naționalitate(-tăți) română

Data nașterii / Varsta 23.09.1974; 49

Sex F

**Experiența profesională**

Perioada **Sept-2019**

Funcția sau postul ocupat **Profesor Universitar**

Activități și responsabilități principale Educatie si cercetare

Numele și adresa angajatorului Universitatea de Vest din Timisoara

Tipul activității sau sectorul de activitate Educatie, Invatamant

Perioada **2013-2019**

Funcția sau postul ocupat **Conferentiar univeritar**

Activități și responsabilități principale Educatie si cercetare

Numele și adresa angajatorului Universitatea de Vest din Timisoara

Tipul activității sau sectorul de activitate Educatie, Invatamant

Perioada **Din 2015**

Funcția sau postul ocupat	<b>Conducator doctorat</b>
Activități și responsabilități principale	Educație și cercetare
Numele și adresa angajatorului	Universitatea de Vest din Timisoara
Tipul activității sau sectorul de activitate	Educație, Invatamant
Perioada	<b>2005-2013</b>
Funcția sau postul ocupat	<b>Lector Universitar</b>
Activități și responsabilități principale	Educație și cercetare
Numele și adresa angajatorului	Universitatea de Vest din Timisoara
Tipul activității sau sectorul de activitate	Educație, Invatamant
Perioada	<b>1999-2005</b>
Funcția sau postul ocupat	<b>Asistent universitar</b>
Activități și responsabilități principale	Educație și cercetare
Numele și adresa angajatorului	Universitatea de Vest din Timisoara
Tipul activității sau sectorul de activitate	Educație, Invatamant
Perioada	<b>1998-1999</b>
Funcția sau postul ocupat	<b>Asistent cercetare</b>
Activități și responsabilități principale	cercetare
Numele și adresa angajatorului	Academia Romana- Filiala Timisoara
Tipul activității sau sectorul de activitate	Cercetare

### **Educație și formare**

Perioada	<b>2019-2020</b>
Calificarea / diploma obținută	<b>Cadru Didactic</b>
Disciplinele principale studiate / competențe profesionale dobândite	<b>INVATAREA BAZATA PE PROBLEME (BPL) IN SISTEMUL UNIVERSITAR</b>
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea de Vest din Timisoara
Nivelul în clasificarea națională sau internațională	Nivel I
Perioada	<b>2015</b>
Calificarea / diploma obținută	<b>Dr. Habil</b>
Disciplinele principale studiate / competențe profesionale dobândite	Elaborarea tezei de abilitare „ <b>ANALIZA TERMICA SI UTILIZAREA TEHNICILOR CUPLATE LA STUDIUL SUBSTANȚELOR ȘI MATERIALELOR CU DIVERSE APLICAȚII</b> ”
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 si interacții induse termic in 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

### Aptitudini și competențe personale

Limba(i) maternă(e) **Romana**

Limba(i) străină(e) cunoscută(e)

Autoevaluare

*Nivel european (\*)*

**Limba**

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

Limba	G	Med.		Med.		Med.		Med.		Med.
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(\*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine

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
Competențe și aptitudini tehnice	Utilizez cu usurinta aparate utilizate in cadrul determinarilor fizico-chimice.
Competențe și aptitudini de utilizare a calculatorului	Utilizez cu usurinta calculatorul si alte aparate coordonate de acesta.
Competențe și aptitudini artistice	Sunt o persoana organizata, ordonata, inovativa si inventiva.
Alte competențe și aptitudini	Cataliză, Chimie Tehnologică, Chimia Materialelor, Chimia Stării solide , Chimie generala 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 materilalor; Analiză termică (TG/DTG/DTA/EGA , DSC, TMA); Predictia timpului de viata ; Cataliză heterogenă; Spectroscopie si microscopie FT-IR
Profil stiintific/Arii tematice	<ul style="list-style-type: none"> <li>• Obținerea a unor noi compozite nanostructurate biomimetice cu aplicații biomedicale si cu proprietăți fizice, chimice și biologice îmbunătățite ca material pentru reconstrucție osoasă, dispozitive "drug delivery", posibile aplicații stomatologice.</li> <li>• Sinteza si caracterizarea de noi materiale de tip polimer pentru eliberare controlata a diferitelor medicamente atat pentru eliberare transdermala, tranmucozala si orodispersabile.</li> <li>• Caracterizarea si obtinerea unor materiale cu proprietati anticorozive, material cu adaosuri magnetice.</li> <li>• Studii prin tehnici hifenate a complexilor de incluziune care isi gasesc 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 si B

**Informații suplimentare**

Member of professional associations:

1. Chemical Society in Romania;
2. Catalysis Society of Romania;
3. Romanian Committee for Thermal Analysis and Calorimetry
4. Member ICTAC (International Confederation of Thermal Analysis and calorimetry) 2004

**Scientific publications**

Books	7	Grants	17
ISI paper	187	h-index	25/26
Citation	2287( ISI web)	International Communication	Over 260
over			
BDI paper	Over 50	National communications	Over 70

**Data**

22.04.2024

**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., Mogoș, A., Ioișescu, 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. Tița, B., Marian, E., Tița, 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. Ioișescu, 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., Fulias, 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., Perța, 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., Perța, 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. Ștefănescu, M., Stoia, M., Ștefănescu, 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. Fulias, A., Vlase, T., Vlase, G., Szabadai, Z., Rusu, G., Bandur, G., Tita, D., Doca, N. Thermoanalytical study of cefadroxil and its mixtures with different excipients (2010) *Revista de Chimie*, 61 (12), pp. 1202-1206.
34. Fuliaș, 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., Mogoș, 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. Fuliaș, A., Vlase, G., Vlase, T., Tița, B., Tița, D., Doca, N., Thermal study of cefoperazone monohydrate, (2010) *Revue Roumaine de Chimie*, 55 (8), pp. 481-486.

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39. Tiță, D., Fuliș, A., Tiță, 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.
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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.
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44. Fuliș, A., Bobric, A., Vlase, G., Vlase, T., Doca, N., Thermal stability and biological interactions of some cephalosporins,(2011) *Revue Roumaine de Chimie*, 56 (10-11), pp. 959-966.
45. Fuliș, A., Fuliș, N., Vlase, G., Tita, B., Tita, D., Vlase, T., Thermal decomposition kinetics of cefadroxil, (2011) *Revue Roumaine de Chimie*, 56 (10-11), pp. 967-973.
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., Stefanescu, 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.
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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
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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 th 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 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 29, Book of abstract, pg. 71.
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138. Manuela Crișan, Gabriela Vlase, Titus Vlase, Thermal and kinetics of primary, secondary and tertiary alkanolammonium salts of p-nitrobenzoic acid, 25 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, București 15 april 2016, Romania, Poster Presentation 33, Book of abstract, pg. 75.
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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 processe 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 hidroxyethylcellulose 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
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- Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău, Moldova
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165. Adriana Ledetși, Mihaela Cristea, Gabriela Vlase, Titus Vlase, Bożena Karolewic, Oana Stefanescu, Ionuț Ledetși. 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
166. Mihaela Cristea, Ionuț Ledetși, Adriana Ledetși, Gabriela Vlase, Titus Vlase, Bożena 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
167. Laura Sbarcea, Adriana Ledetși, Lucreția Udrescu, Paul Barvinschi, Gabriela Vlase, Ionuț Ledetși. 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
168. 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
169. 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
170. 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
171. 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
172. 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
173. 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 Oxamplat, Sănandrei, 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
174. 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
175. 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
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177. Bianca Beatrice Baul, Lenuța-Maria Șuta, Anca Dragomirescu, Cornelia Muntean, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Cezara Mureșan, Ionuț Ledeti, Preformulation studies for mycophenolic acid for solid dosage forms, Book of Abstracts of the 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, Timișoara, Romania, p. 34
178. Cosmina Bengescu, Anca Dragomirescu, Adriana Ledeti, Mirabela Romanescu, Gabriela Vlase, Titus Vlase, Lenuța-Maria Șuta, Denisa Cîrcioban, Cornelia Muntean, Ionuț Ledeti, First report regarding the solid state compatibility between synthetic steroidal estrogen promestriene and pharmaceutical excipients, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 35
179. Valentina Buda, Gabriela Vlase, Titus Vlase, Anca Dragomirescu, Adriana Ledeti, Minodora Andor, Corina Danciu, Ionuț Ledeti, Heterogenous degradation of candesartan – active pharmaceutical ingredient and solid dosage form, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 36
180. Denisa Cîrcioban, Adriana Ledeti, Gabriela Vlase, Ionuț Ledeti, Titus Vlase, Renata Văruț, Ioana Zinuca Pavel, Cristina Dehelean, Physico-chemical and biological evaluation of inclusion complexes containing artesunate, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 37
181. Anca Dragomirescu, Lenuța-Maria Șuta, Cornelia Muntean, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Bianca Beatrice Baul, Lavinia Stelea, Ionuț Ledeti, Solid state stability of topical antibiotic pseudomonic acid used against superficial skin infections, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania,

p. 38

182. Adriana Ledeti, Mirabela Romanescu, Gabriela Vlase, Titus Vlase, Cornelia Muntean, Anca Dragomirescu, Lenuța-Maria Șuta, Denisa Cîrcioban, Cezara Mureșan, Ionuț Ledeti, Compatibility study of Desogestrel with pharmaceutical excipients in solid state, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 39
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#### 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 MEcC-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

CNCSIS 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 reglarea creșterii plantelor: de la sinteză și investigații structurale la teste biologice, *Director proiect: dr. Manuela Crisan, Suma finantata pentru pentru ICT (CO): 16.480 lei, Perioada: septembrie 2016- decembrie 2017*

vi. **Articole/studii publicate în reviste de specialitate recunoscute național**

1. Vlase, T., Jurca Gabriela and Doca, N., "Study of the support effect by non-isothermal kinetics. I. Decomposition of ammonium metavanadate supported on carborundum", *Annals of West Univ. of Timișoara*, 6 (1997), 119-128
2. Vlase, T., Jurca Gabriela and Doca, N., "Study of the support effect by non-isothermal kinetics. II. Decomposition of ammonium metavanadate supported on silica", *Annals of West Univ. of Timișoara*, 6 (1997), 129-136
3. Vlase, T., Jurca Gabriela and Doca, N., "Study of the support effect by Non-isothermal kinetics. III. Molibdy acid on carborundum and silica", *Annals of West Univ. of Timișoara, Ser. Chem.*, 7 (1998), 1-6.
4. Vlase, T., Jurca Gabriela and Doca, N., "Study of the support effect by non-isothermal kinetics. IV. Support effect at the thermal decomposition of some catalyst precursors", *Annals of West Univ. of Timișoara, Ser. Chem.*, 7 (1998), 7-14.
5. Vlase, T., Jurca Gabriela and Doca, N., "Study of the support effect by non-isothermal kinetics.V. Some criteria for deciding upon the support effect", *Annals of West Univ. of Timișoara, Ser. Chem.*, 7 (1998), 15-22.
6. Vlase, T., Tudose, Ramona, Jurca Gabriela, Costișor Otilia and Doca, N., "Non-isothermal decomposition kinetics of some complexes I. Thermal behavior of complexes containing Mannich-basis as ligands", *Annals of West Univ. of Timișoara, Ser. Chem.*, 7 (1998), 23-30
7. Vlase, T., Jurca Gabriela, Doca, N., "Support effect by non-isothermal decomposition of copper carboxilates", *Annals of West Univ. of Timișoara, Ser. Chem.*, 10(2) (2001), 729-736.
8. Vlase, T., Jurca Gabriela, Doca, N., "Non-isothermal kinetics by decomposition of some d and f metal carboxilates", *Annals of West Univ. of Timișoara, Ser. Chem.*, 10(3) (2001), 951-954.
9. Vlase, T., Jurca Gabriela, Doca, N., "Compensation effect in the reaction of solids", *Annals of West Univ. of Timișoara, Ser. Chem.*, 10(3) (2001), 955-956
10. Vlase, T., Vlase, G., Doca, N., "Specificity of energy transfer by non-isothermal conditions", *Annals of West University of Timișoara, ser. chem*, 11(1) (2002) 27 – 36
11. Vlase, T., Vlase, G., Chiriac, A., Doca, N., "Compensation effect by thermal decomposition of organic salts of some d and f metals", *Annals of West University of Timișoara, ser. chem*, 12(1) 2003, 23-32
12. Vlase, T., Vlase, G., Doca, N., "Kinetic of non-isothermal decomposition of some pharmaceuticals and food additives", *Annals of West University of Timișoara, ser. chem*, 12(1) 2003, 15-22.
13. Vlase, T., Vlase, G., Chiriac, A., Doca, N., "Comparison of the kinetic parameter values obtaining by different processing methods of the non-isothermal data", *Annals of West University of Timișoara, ser. chem*, 12(3) (2003) 301 – 304
14. Vlase, T., Vlase, G., Chiriac, A., Doca, N., "Processing of the TG data by using the NPK methods", *Annals of West University of Timișoara, ser. chem*, 12(3) (2003) 305 – 310
15. Vlase, T., Vlase, G., Chiriac, A., Doca, N., "NPK Methods in non-isothermal kinetics by decomposition of low alyphatic carboxilate of some d and f metals", *Annals of West University of Timișoara, ser. chem*, 12(3) (2003) 311 – 314.
16. Vlase, T., Vlase, G., Chiriac, A., Doca, N., "Kinetics of thermal decomposition of some food additives and pharmaceuticals under non-isothermal conditions", *Annals of West University of Timișoara, ser. chem*, 12(3) (2003) 315

17. Muntean Cornelia, Vlase, T., Vlase, G., Iovi A., “Non-isothermal kinetic of a phosphates and nitrates mixture used as fertilizer”, Annals of West University of Timișoara, ser. chem, 12(3) (2003) 325 – 330
18. Muntean Cornelia, Vlase, T., Vlase, G., Negrea P., “Comparison between isothermal and non- isothermal decomposition of some nitrates-phosphates fertilizers”, Annals of West University of Timișoara, ser. chem, 12(3) (2003) 331 – 338
19. Vlase, G., Birta, N., Doca, N., “Thermal behavior of some sorbitol derivatives used as food additives”, Annals of West University of Timișoara, ser. chem, 12(3) (2003) 321 – 324.
20. Băbăiță Carmen, Vlase. T., Vlase Gabriela, “Kinetic Analysis on Thermal Decomposition of the Zinc Pyrofosphates Obtained from the System  $\text{Na}_4\text{P}_2\text{O}_7\text{-ZnSO}_4$ ”, Annals of West University of Timișoara, ser. chem, 12(1) (2003) 121.
21. Iolanda Tolan, Gabriela Vlase, Carmen Alexandra Grigorie, T. Vlase, Iulia Ceban, “Thermal behavior of simulated flour under non-isothermal conditions” Annals of West University of Timișoara, ser. chem, 21(2) (2012) 103-112
22. Iolanda Tolan, Gabriela Vlase, Iulia Ceban, T. Cianga Carmen Alexandra Grigorie, “Study of thermally induced interactions between benzoic acid and the main compounds of wheat flour” Annals of West University of Timișoara, ser. chem, 22(3,4) (2013) 1-10.
23. Iulia Ceban, Iolanda Tolan, Dora Rasadean, Gabriela Vlase, T. Vlase, “Impact of ascorbic acid on the thermal stability of hydrated wheat gluten” Annals of West University of Timișoara, ser. chem, 22(3,4) (2013) 11-21.

vii. [Articole/studii publicate în volumele unor manifestări științifice naționale cu participare internațională recunoscute](#)

1. T.Vlase, Gabriela Jurca and N.Doca, “Nonisothermal Kinetics of decomposition of some supported catalyst precursors”, The 9th Conference on Physical Chemistry, September 23 – 25, 1998, Galați, ROMANIA. (rezumat)
2. Vlase T., Jurca G., Doca N., “The influence of concentration and anion nature of the support effect”, a X-a Conf. de Chimie Fizică, 26-29 Sept.2000, Iași, (rezumat)
3. Vlase T., Jurca G., Doca N., “Relationship between the parameters of non-isothermal kinetics and the spectroscopic data by the decomposition of some homologous series”, a X-a Conf. de Chimie Fizică, 26-29 Sept.2000, Iași. (rezumat)
4. Vlase T., Jurca G., Doca N., Chiriac A., “Discrimination possibilities on the contribution of enthalpic and entropic parameters to the compensation effect by non-isothermal kinetics”, a X-a Conf. de Chimie Fizică, 26-29 Sept.2000, Iași. (rezumat)
5. Vlase, T., Vlase, G., Chiriac, A., Doca, N., “Comparison of the kinetic parameter values obtaining by different procesing methods of the non-isothermal data”, ROMPHYSICHEM 11, Timișoara 2-5 Sept. 2003
6. Vlase, T., Vlase, G., Chiriac, A., Doca, N., “Processing of the TG data by using the NPK methods”, ROMPHYSICHEM 11, Timișoara 2-5 Sept. 2003
7. Vlase, T., Vlase, G., Chiriac, A., Doca, N., “NPK Methods in non-isothermal kinetics by decomposition of low aliphatic carboxilate of some d and f metals”, ROMPHYSICHEM 11, Timișoara 2-5 Sept. 2003
8. Vlase, T., Vlase, G., Chiriac, A., Doca, N., “Kinetics of thermal decomposition of some food additives and pharmaceuticals under non-isothermal conditions”, ROMPHYSICHEM 11, Timișoara 2-5 Sept. 2003
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Data:

**Semnătura**

22.04. 2024

**Prof. Dr.chim. Gabriela Vlase Dr. Habil**

