

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.
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 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., Iliu, 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. Ioişescu, 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., Costişor, O., Doca, N., Kinetic of decomposition of some complexes under non-isothermal conditions, (2007) *Journal of Thermal Analysis and Calorimetry*, 88 (3), pp. 637-640.
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 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.
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172. Mădălina MATEESCU¹, Liviana POPESCU², Gabriela VLASE¹, Alexandru PAHOMI¹, Daniela JUMANCA², Titus VLASE. Comparative study regarding thermal behaviour of mixtures based on hydroxyapatite and methacrylate for dental use. Book of Abstracts, 12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August 2018 -Braşov, Romania. PS1.147, p 331
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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
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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
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186. Claudia Olteanu¹, Anamaria Todea¹, Adriana Ledeti², Gabriela Vlase³, Titus Vlase³, Lenuţa-Maria Şuta², Anca Dragomirescu², Cornelia Muntean^{1,4}, Daniela Stoin⁵, Ionuţ Ledeti, Preliminary characterization of some inclusion complexes of volatile oils with functionalised

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189. Laura Sbârcea, Ionuț Mihai Tănase, Adriana Ledeti, Gabriela Vlase, Anca Dragomirescu, Carmen Axente, Ionuț Ledeti, Preparation and physico-chemical characterization of host-guest systems of aripiprazole and functionalized cyclodextrins, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 45
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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 Andelescu, Thermoanalytical 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. Simine³, Lilia Croitor, Thermal behaviour, structural and luminescent investigations of new protic ionic liquids based on diethylethanolamine and 4-nitrobenzoic acid, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timișoara, Romania, p. 55
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

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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
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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
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- 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* 30th Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy CATCAR30 15-16 October 2021, Bucharest – Romania

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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 Ronăț-Triaj site (Timișoara, Timis County, Romania) using hyphenated techniques, , Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 [Split, Croatia](#). PS2.37, p. 179
226. Florin Manea, Titus VLASE, Emilian GHICIOI, Nicolae Ioan VLASIN, Maria PRODAN, Methane-air accidental explosion in civil building – Case study, , Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 [Split, Croatia](#). PS2.38, p. 180
227. Bianca-Denisa CERNUȘCĂ, Gabriela VLASE, Titus VLASE, Thermal stability of sartan class drugs. , Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 [Split, Croatia](#). PS3.19, p. 205
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 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th 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 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 Split, Croatia. KL02, p. 42
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iv. Lista cărților

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2. 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 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**

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

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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)
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Semnătura

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