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 proprietăţi prestabilite**", conducător ştiinţific Prof.dr.ing. Adrian Chiriac susţinută public in februarie 2005.

2. Teză abilitare: ANALIZA TERMICA SI UTILIZAREA TEHNICILOR CUPLATE LA STUDIUL SUBSTANŢELOR ŞI MATERIALELOR CU DIVERSE APLICAŢII, susţinută public în iunie 2015.

ii. Lista articolelor publicate în reviste din fluxul ştiinţific 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. Ioiţescu, A., Vlase, G., Vlase, T., Doca, N., Kinetics of decomposition of different acid calcium phosphates, (2007) *Journal of Thermal Analysis and Calorimetry*, 88 (1), pp. 121-125.
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.
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., Puşcaş, C., Bandur, G., Vlase, G., Nuţiu, R., Basestock oils for lubricants from mixtures of corn oil and

synthetic diesters, (2008) *JAOCS, Journal of the American Oil Chemists' Society*, 85 (1), pp. 71-76.

20. Vlase, G., Vlase, T., Doca, N., Thermal behavior of some phenitoine pharmaceuticals, (2008) *Journal of Thermal Analysis and Calorimetry*, 92 (1), pp. 259-262.
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., Ioiţescu, A., Compensation effect as a consequence of vibrational energy transfer in homogeneous and isotropic heat field,(2008) *Journal of Thermal Analysis and Calorimetry*, 92 (1), pp. 313-317.
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 Cd2+ and Co2+ 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. Ioiţescu, A., Vlase, G., Vlase, T., Ilia, G., Doca, N.,Synthesis and characterization of hydroxyapatite obtained from different organic precursors by sol-gel method, (2009) *Journal of Thermal Analysis and Calorimetry*, 96 (3), pp. 937-942.
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 Cd2+ and Co2+ 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., Sfîrloagă, 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. Fuliaş, A., Vlase, T., Vlase, G., Doca, N., Thermal behaviour of cephalexin in different mixtures, (2010) *Journal of Thermal Analysis and Calorimetry*, 99 (3), pp. 987-992.
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. Fuliaş, 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., Fuliaş, A., TiţA, B., Vlase, G., Vlase, T., Doca, N., Thermal behaviour of active compounds versus pharmaceutical compounds for some benzodiazepines,(2010) *Revue Roumaine de Chimie*, 55 (11-12), pp. 1047-1052.
40. Stefanescu, O., Vlase, T., Vlase, G., Doca, N., Stefanescu, M., Synthesis and characterization of new hydroxycarboxylate compounds obtained in the redox reaction between Fe(NO3)3 and diol,(2011) *Thermochimica Acta*, 519 (1-2), pp. 22-27.
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., Ştefănescu, O., Vlase, G., Barbu-Tudoran, L., Barbu, M., Ştefănescu, 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.
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 glycyrrhetinic acid, (2012) *Revue Roumaine de Chimie*, 57 (7-8), pp. 747-753.
49. Ledeţi, I., Fuliaş, A., Vlase, G., Vlase, T., Doca, N., Novel triazolic copper (II) complex: Synthesis, thermal behaviour and kinetic study, (2013) *Revue Roumaine de Chimie*, 58 (4-5), pp. 441-450.
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. Fuliaş, A., Vlase, G#., Vlase, T., Soica, C., Heghes, A., Craina, M., Ledeti, I.,Comparative kinetic analysis on thermal degradation of some cephalosporins using TG and DSC data (2013) *Chemistry Central Journal*, 7 (1), art. no. 70, .
52. Fuliaş, A., Ledeţi, 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., Mogoş, A.M., Vlase, G., Vlase, T., Doca, N.,Theoretic analysis and experimental evidence for relationships between the derivative thermogravimetric curves and the Gramm-Schmidt profiles, (2013) *Journal of Thermal Analysis and Calorimetry*, 113 (1), pp. 113-119.
54. Fulias, A., Vlase, G., Grigorie, C., Ledeţi, I., Albu, P., Bilanin, M., Vlase, T.,Thermal behaviour studies of procaine and benzocaine: Part 1. Kinetic analysis of the active substances under non-isothermal conditions,(2013) *Journal of Thermal Analysis and Calorimetry*, 113 (1), pp. 265-271.
55. Fuliaş, A., Ledeţi, I., Vlase, G#., Popoiu, C., Hegheş, A., Bilanin, M., Vlase, T., Gheorgheosu, D., Craina, M., Ardelean, S., Ferechide, D., Mărginean, O., Moş, L., Thermal behaviour of procaine and benzocaine Part II: Compatibility study with some pharmaceutical excipients used in solid dosage forms, (2013) *Chemistry Central Journal*, 7 (1), art. no. 140, .

56. Stefanescu, O., Vlase, G., Barbu, M., Barvinschi, P., Stefanescu, M., Preparation of CuFe2O4/SiO2 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., Şisu, 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., Fuliaş, A., Tolan, I., Doca, N. Comparative study on the thermal behavior of two similar triterpenes from birch (2013) *Journal of Thermal Analysis and Calorimetry*, 113 (3), pp. 1379-1385.
59. Ledeţi, I., Fuliaş, A., Vlase, G., Vlase, T., Bercean, V., Doca, N., Thermal behaviour and kinetic study of some triazoles as potential anti-inflammatory agents, (2013) *Journal of Thermal Analysis and Calorimetry*, 114 (3), pp. 1295-1305.
60. Ledeti, I., Viase, 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., Ledeţi, 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., Ledeţi, I.,Thermal behaviour of a modified encapsulation agent: Heptakis-6-iodo-6-deoxy-beta-cyclodextrin, (2014) *Journal of Thermal Analysis and Calorimetry*, 118 (2), pp. 961-966.
65. Fuliaş, A., Vlase, G., Vlase, T., Oneţiu, D., Doca, N., Ledeţi, 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., Fulias, A., Thermal decomposition, kinetic study and evolved gas analysis of 1,3,5-triazine-2,4,6-triamine,(2014) *Journal of Thermal Analysis and Calorimetry*, 118 (2), pp. 1057-1063.
67. Şoica, C., Fuliaş, A., Vlase, G., Dehelean, C., Vlase, T., Ledeţi, I., Synthesis and thermal behavior of new ambazone complexes with some transitional cations, (2014) *Journal of Thermal Analysis and Calorimetry*, 118 (2), pp. 1305-1311.
68. Pupca, G., Bucuras, V., Vlase, G., Vlase, T., Fulias, A., Ledeti, I., Solid-state analysis of some urinary calculi, (2014) *Revista de Chimie*, 65 (9), pp. 1058-1062.
69. Fulias, A., Soica, C., Ledeti, I., Vlase, T., Vlase, G., Suta, L.-M., Belu, I., Characterization of pharmaceutical acetylsalicylic acid - Theophylline cocrystal obtained by slurry method under microwave irradiation, (2014) *Revista de Chimie*, 65 (11), pp. 1281-1284.
70. Udrescu, L., Sbârcea, L., Fuliaş, A., Ledeţi, I., Vlase, G., Barvinschi, P., Kurunczi, L.,Physicochemical Analysis and Molecular Modeling of the Fosinopril β -Cyclodextrin Inclusion Complex, (2014) *Journal of Spectroscopy*, 2014, art. no. 748468, .
71. Ledeti, I., Simu, G., Vlase, G., Vlase, T., Olariu, T., Savoiu, G., Suta, LM., Popoiu, C.,Fulias, 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., Ledeţi, 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., Fulias, A. Synthesis and

physico-chemical characterization of theophylline-succinic acid binary adduct (2015) *Revista de Chimie*, 66 (12), pp. 1982-1985.

74. Ledeţi, I., Alexa, A., Bercean, V., Vlase, G., Vlase, T., Şuta, L.-M., Fuliaş, A.,Synthesis and degradation of Schiff bases containing heterocyclic pharmacophore, (2015) *International Journal of Molecular Sciences*, 16 (1), pp. 1711-1727.
75. Ivan, C., Ledeti, I., Vlase, G., Vlase, T., Fulias, A., Olariu, S. Study of solid - State behaviour of some human gallstones (2015) *Revista de Chimie*, 66 (2), pp. 265-270.
76. Ledetf, I., Vlase, G., Ciucanip, I., Olariu, T., Fulias, 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., Fulias, 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., Fulias, 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/SiO2 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., Fulias, A. Preliminary kinetic study for heterogenous degradation of cholesterol - Containing human biliary stones., (2015) *Revista de Chimie*, 66 (8), pp. 1253-1255.
82. Ledeţi, I., Vlase, G., Vlase, T., Fuliaş, A., Kinetic analysis of solid-state degradation of pure pravastatin versus pharmaceutical formulation,(2015) *Journal of Thermal Analysis and Calorimetry*, 121 (3), pp. 1103-1110.
83. Fuliaş, A., Vlase, G., Ledeţi, 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. Ledeţi, I., Vlase, G., Vlase, T., Bercean, V., Fuliaş, A., Kinetic of solid-state degradation of transitional coordinative compounds containing functionalized 1,2,4-triazolic ligand, (2015) *Journal of Thermal Analysis and Calorimetry*, 121 (3), pp. 1049-1057.
87. Fuliaş, A., Vlase, G., Vlase, T., Şuta, L.-M., Şoica, C., Ledeţi, I., Screening and characterization of cocrystal formation between carbamazepine and succinic acid, (2015) *Journal of Thermal Analysis and Calorimetry*, 121 (3), pp. 1081-1086.
88. Ledeţi, I., Vlase, G., Vlase, T., Şuta, L.-M., Todea, A., Fuliaş, A., Selection of solid-state excipients for simvastatin dosage forms through thermal and nonthermal techniques, (2015) *Journal of Thermal Analysis and Calorimetry*, 121 (3), pp. 1093-1102.
89. Patruţescu, 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. Ledeţi, I., Avram, S., Bercean, V., Vlase, G., Vlase, T., Ledeţi, A., Zupko, I., Mioc, M., Şuta, L.-M., Şoica, C.,

Dehelean, C.,Solid-state characterization and biological activity of betulonic acid derivatives, (2015) *Molecules*, 20 (12), pp. 22691-22702.

91. Udrescu, L., Fulias, 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. Ledeţi, I., Ledeţi, A., Vlase, G., Vlase, T., Matusz, P., Bercean, V., Şuta, L.-M., Piciu, D., Thermal stability of synthetic thyroid hormone l-thyroxine and l-thyroxine sodium salt hydrate both pure and in pharmaceutical formulations,(2016) *Journal of Pharmaceutical and Biomedical Analysis*, 125, pp. 33-40.
99. Ledeţi, I., Vlase, G., Vlase, T., Fuliaş, A., Şuta, L.-M.,Comparative thermal stability of two similar-structure hypolipidemic agents: Simvastatin and Lovastatin—kinetic study, (2016) *Journal of Thermal Analysis and Calorimetry*, 125 (2), pp. 769-775.
100. Ledeţi, I., Bercean, V., Vlase, G., Vlase, T., Ledeţi, A., Şuta, L.-M. Betulonic acid: Study of thermal degradation by kinetic approach (2016) *Journal of Thermal Analysis and Calorimetry*, 125 (2), pp. 785-791.
101. Fuliaş, A., Ledeţi, I., Vlase, G., Vlase, T., Şoica, C., Dehelean, C., Oprean, C., Bojin, F., Şuta, L.-M., Bercean, V., Avram, Ş. Thermal degradation, kinetic analysis, and apoptosis induction in human melanoma for oleanolic and ursolic acids (2016) *Journal of Thermal Analysis and Calorimetry*, 125 (2), pp. 759-768.
102. Vlase, G., Jurcău, D., Ledeţi, A., Ceban, I., Vlase, T., Thermal behavior of phthalic anhydride bases polyesters: Part II. Influence of the polyol by polyesters synthetized in microwave field, (2016) *Journal of Thermal Analysis and Calorimetry*, 126 (1), pp. 293-298.
103. Blajovan, R., Ledeţi, I., Vlase, G., Ledeţi, A., Vlase, T.,Study of thermal induced excipient–excipient interactions: polyvinyl alcohol and polyvinylpyrrolidone with other pharmaceutical excipients, (2016) *Journal of Thermal Analysis and Calorimetry*, 126 (1), pp. 171-179.
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., Ledeţi, I., Albu, P., Vlase, T., Thermal behavior of phthalic anhydride-based polyesters: Part I. Influence of the polyol on the thermal stability, (2016) *Journal of Thermal*

Analysis and Calorimetry, 126 (1), pp. 287-292.

107. Ledeţi, A., Vlase, G., Vlase, T., Bercean, V., Murariu, M.S., Ledeţi, I., Şuta, L.-M., Solid-state preformulation studies of amiodarone hydrochloride,(2016) *Journal of Thermal Analysis and Calorimetry*, 126 (1), pp. 181-187.
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. Ledeţi, I., Murariu, M., Vlase, G., Vlase, T., Doca, N., Ledeţi, A., Şuta, L.-M., Olariu, T., Investigation of thermal-induced decomposition of iodoform, (2017) *Journal of Thermal Analysis and Calorimetry*, 127 (1), pp. 565-570.
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., Suciu, L., Tomescu, M.C., Comparative solid-state stability of perindopril active substance vs. pharmaceutical formulation,(2017) *International Journal of Molecular Sciences*, 18 (1), art. no. 164.
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 analysism,(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., Ştefănescu, M.,Synthesis and characterization of ZnAl2O4 spinel from Zn(II) and Al(III) carboxylates, (2018) *Journal of Thermal Analysis and Calorimetry*, 131 (1), pp. 183-189.
121. Vlase, G., Budiul, M., Vlase, T., Albu, P., Ledeţi, A.,Thermally induced interactions between adamantan-2-one and some pharmaceutical excipients,(2018) *Journal of Thermal Analysis and Calorimetry*, 131 (1), pp. 201-213.
122. Vlase, G., Budiul, M., Pătruţescu, C., Albu, P., Vlase, T., An extensive compatibility study of mycophenolate mofetil with different excipients by spectroscopic and thermoanalytical investigation techniques,(2018) *Journal of Thermal Analysis and Calorimetry*, 131 (1), pp. 225-236.
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. Ledeţi, I., Budiul, M., Matusz, P., Vlase, G., Circioban, D., Dehelean, C., Şuta, L.-M., Caunii, A., Ledeţi, A., Vlase, T., Murariu, M., Bolintineanu, S., Preformulation studies for nortriptyline: Solid-state compatibility with pharmaceutical excipients, (2018) *Journal of Thermal Analysis and Calorimetry*, 131 (1), pp. 191-199.
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., Ledeţi, A., Circioban, D., Mateescu, M., Moşoiu, C., Vlase, G., Thermal behavior of entacapone, a catechol-O-methyltransferase inhibitor used in Parkinson's disease, (2018) *Journal of Thermal Analysis and Calorimetry*, 134 (1), pp. 711-720.
130. Circioban, D., Ledeţi, I., Vlase, G., Ledeţi, A., Axente, C., Vlase, T., Dehelean, C. Kinetics of heterogeneous-induced degradation for artesunate and artemether (2018) *Journal of Thermal Analysis and Calorimetry*, 134 (1), pp. 749-756.
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., Suciu, O., Buda, V., Matusz, P., Study of solid-state degradation of prochlorperazine and promethazine, (2018) *Journal of Thermal Analysis and Calorimetry*, 134 (1), pp. 731-740.
134. Ledeti, I., Pusztai, A.M., Mureşan, C.M., Circioban, D., Vlase, G., Axente, C., Suta, L.-M., Vlase, T., Matusz, P., Ledeti, A., Suciu, O., Buda, V., Murariu, M., Study of kinetic characteristics of 6-ethyl chenodeoxycholic acid and deoxycholic acid decomposition in non-isothermal conditions, (2018) *Journal of Thermal Analysis and Calorimetry*, 134 (1), pp. 757-764.
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, Ledeţi, A., Udrescu, L., Văruţ,R-M., Barvinschi, P.,Vlase,G., Ledeţi,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. Moşoiu, C., Vlase, D., Vlase, G., Lazău, R., Vlase, T. TG-DTA and FTIR analyses of roman and later historic mortars from Drobeta-Turnu Severin region (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (3), pp. 2159-2166.
141. Vlase, D., Rogozea, O., Moşoiu, C., Vlase, G., Lazău, R., Vlase, T. Thermoanalytical investigations of some ceramics dated from the Neolithic period, discovered at Oxenbrickel, Sânandrei, Romania (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (3), pp. 2145-2157.
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., Turcuş, V., Doca, N., Vlase, T**.** Synthesis, thermal behavior and FTIR study of some hydroxyapatite precursors doped with two metals (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (3), pp. 2175-2183.
144. Cristea, M., Baul, B., Ledeţi, I., Ledeţi, A., Vlase, G., Vlase, T., Karolewicz, B., Ştefănescu, O., Dragomirescu, A.O., Mureşan, C., Cipu, D.-S., Velimirovici, D., Ştefănescu, M. Preformulation studies for atorvastatin calcium: An instrumental approach (2019) *Journal of Thermal Analysis and Calorimetry*, 138 (4), pp. 2799-2806.
145. Păușescu, I., Todea, A., Badea, V., Peter, F., Medeleanu, M., Ledeți, I., Vlase, G., Vlase, T. Optical and thermal properties of intelligent pH indicator films based on chitosan/PVA and a new xanthylium dye (2019) *Journal of Thermal Analysis and Calorimetry*, Article in Press DOI: 10.1007/s10973-019-08911-4
146. Sbarcea, Laura; Tanase, Ionut-Mihai; Ledeti, Adriana; Circioban, Denisa; Vlase, Gabriela; Barvinschi, Paul; Miclau, Marinela; Varut, Renata-Maria; Trandafirescu, Cristina; Ledeti, Ionut. Encapsulation of Risperidone by Methylated β-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)-β-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. Sfirloaga, P., Vlase, G., Vlase, T., Malaescu, I., Marin, C.N., Vlazan, 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, I., Taranu, B., Poienar, M., Vlase, G., Vlase, T., Vlazan, P. Investigation of physico-chemical features of lanthanum manganite with nitrogen addition (2020) Journal of Alloys and Compounds, 843, art. no. 155854, 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., Codruţa, 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., Sfârloagă, 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, lonut; Vlase, Titus; Varut, Renata; Pavel, loana 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., Ledeți, I., Vlase, G., Vlase, T. Optical and thermal properties of intelligent pH indicator films based on chitosan/PVA and a new xanthylium dye (2020) Journal of Thermal Analysis and Calorimetry, 141 (3), pp. 999-1008. DOI: 10.1007/s10973-019-08911-4 (Q2, FI/2019=2,731)
160. Ledeti, I., Romanescu, M., Cîrcioban, D., Ledeti, A., Vlase, G., Vlase, T., Suciu, 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., Ledeţi, A., Vlase, G., Vlase, T., Danciu, C., Matusz, P., Peter, F., Ledeţi, 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; Suciu 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 Sfîrloaga, 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 ; Cepan, 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. Vlase Dan, Vlase Gabriela, Ursuţ Gabriela, Sfirloaga Paula, Manea Florin, Budiul Mihaela; Rotaru Andrei, Vlase Titus, The in-depth study of Romanian prehistoric ceramics: Late Neolithic/Eneolithic pottery and clay materials from the Foeni Tell-Orthodox cemetery in Timiş county, Ceramics International, 2022 **DOI:** 10.1016/j.ceramint.2022.12.120178. *Ceramics International*, 2023, 49(9), Pages 14941 - 149561 May 2023.
177. Mateescu, Mădălina, Vlase, Gabriela, Budiul, Mihaela Maria, Cernuşcă, Bianca Denisa, Vlase, Titus, Preliminary study for preparation and characterization of medicated jelly based on Ibuprofen or Ambroxol, *Journal of Thermal Analysis and Calorimetry,* Volume 148, Issue 10, Pages 4601 - 4614May 2023, **DOI:** 10.1007/s10973-023-12052-0
178. 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. **DOI:** 10.1021/acs.cgd.2c01345.
179. Bengescu Cosmina; Ledeți, Adriana; Olariu Tudor; Cîrcioban Denisa; Muntean Cornelia, Vlase Gabriela; Vlase Titus; Tomoroga Carmen; Dragomirescu Anca Octavia; Dascălu Daniela; Șuta Lenuța-Maria; Ledeți Ionuț. Instrumental investigations of promestriene: first report regarding the solid-state characterization and compatibility with pharmaceutical excipients, *Journal of Thermal Analysis and Calorimetry*Volume 148, Issue 10, Pages 4641 – 4649, May 2023. **DOI:** 10.1007/s10973-023-11942-7
180. 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.
181. Segneanu, Adina-Elena, Vlase, Gabriela; Vlase, Titus; Sicoe, Crina Andreea, Ciocalteu, Maria Viorica; Herea, Dumitru Daniel; Ghirlea, Ovidiu-Florin; Grozescu, Ioan; Nanescu, Valentin, Wild-Grown Romanian Helleborus purpurascens Approach to Novel Chitosan Phyto-Nanocarriers—Metabolite Profile and Antioxidant Properties, **Plants**, 2023,12, Article number 3479.
182. Baul Bianca; Ledeţi Adriana; Cîrcioban Denisa; Ridichie Amalia; Vlase Titus;Vlase Gabriela;Peter Francisc;Ledeţi Ionuţ, Thermal Stability and Kinetics of Degradation of Moxonidine as Pure Ingredient vs. Pharmaceutical Formulation, ***Processes***, 2023, 11(6), Article number 1738. DOI: 10.3390/pr11061738

183. Budiul Mihaela Maria; Marioane Cristina Adela;Bradu, Ionela-Amalia ;Vlase Gabriela, Vlase Titus.FTIR and thermal studies of medicated jellies with topiramate, *Journal of Thermal Analysis and Calorimetry*, 2023, 148(10), Pages 4589 - 4600. DOI:10.1007/s10973-022-11882-8
184. Circioban Denisa; Ledeţi Ionuţ; Vlase Titus; Rusu Gerlinde; Ledeţi Adriana; Vlase Gabriela.Stability evaluation and kinetic study for the atypical antidepressant opipramol. *Journal of Thermal Analysis and Calorimetry*, 2023, (Article in press) **DOI:** 10.1007/s10973-023-12249-3
185. Bradu, IA; Vlase, T; Bunoiu, M ; Gradinaru, M ; Pahomi, A ; Bajas, D; Budiul, MM; Vlase, G . Synthesis and Characterization of Polymer-Based Membranes for Methotrexate Drug Delivery, Polymers, Volume15(21), 4325, DOI10.3390/polym15214325
186. Okolisan, D; Vlase, T; Vlase, G; Bradu, IA; Avram, C. Thin polysaccharide films as carriers for local anesthetic drugs, Journal of Thermal Analysis and Calorimetry (2024) 149:11455–11470
187. Borcan, F (Borcan, Florin); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Popescu, R (Popescu, Roxana); Soica, CM (Soica, Codruta M.), The Influence of an Isocyanate Structure on a Polyurethane Delivery System for 2′-Deoxycytidine-5′-monophosphate, JOURNAL OF FUNCTIONAL BIOMATERIALS **2023;** 14(10), pg: 526, **DOI:** 10.3390/jfb14100526
188. Cernușcă, Bianca-Denisa; Bradu, Ionela-Amalia; Pahomi, Alexandru; Okolisan, Dorinel; Budiul, Mihaela Maria; Vlase, Gabriela, Vlase Titus. Study of thermally induced interactions between active substances from the sartans class and various excipients. *Journal of Thermal Analysis and Calorimetry*, 2024, (Article in press) **DOI:** 10.1007/s10973-024-13477-x
189. Ridichie Amalia; Bengescu Cosmina; Ledeţi Adriana; Rusu Gerlinde, Bertici Răzvan; Vlase Titus; Vlase Gabriela; Peter Francisc; Ledeţi Ionuţ, Rădulescu Matilda. Thermal stability, preformulation, and kinetic degradation studies for gestrinone, *Journal of Thermal Analysis and Calorimetry*, 2024, (Article in press) DOI: 10.1007/s10973-024-13520-x.
190. Segneanu Adina-Elena; Vlase Gabriela; Vlase, Titus; Bita Andrei; Bejenaru Cornelia; Buema Gabriela; Bejenaru Ludovic Everard; Dumitru, Andrei; Boia, Eugen Radu. An Innovative Approach to a Potential Neuroprotective Sideritis scardica-Clinoptilolite Phyto-Nanocarrier: In Vitro Investigation and Evaluation, I*nt. J. Mol. Sci.* 2024, *25*(3), 1712; https://doi.org/10.3390/ijms25031712
191. Vlazan Paulina; Marin, Catalin Nicolae; Malaescu Iosif; Vlase Gabriela; Vlase Titus; Poienar Maria; Sfirloaga Paula. Revealing the Impact of Ga and Y Doping on Thermal and Electrical Behavior of $LaMnO_3$ Ceramic Materials, *Appl. Sci.* 2024, *14*(4), 1546; https://doi.org/10.3390/app14041546.
192. Segneanu Adina-Elena; Vlase Gabriela; Vlase Titus; Ciocalteu Maria-Viorica; Bejenaru Cornelia; Buema Gabriela; Bejenaru Ludovic Everard; Boia Eugen Radu; Dumitru Andrei; Boia Simina, Romanian Wild-Growing Chelidonium majus—An Emerging Approach to a Potential Antimicrobial Engineering Carrier System Based on AuNPs: In Vitro Investigation and Evaluation. *Plants* **2024**, *13*(5), 734; https://doi.org/10.3390/plants13050734
193. Şuta Lenuţa-Maria; Ridichie Amalia; Ledeţi Adriana; Temereancă Claudia; Ledeţi Ionuţ; Muntean, Delia; Rădulescu Matilda; Văruţ Renata-Maria; Watz Claudia; Crăineanu Florentin; Ivan Denisa; Vlase Gabriela, Host–Guest Complexation of Itraconazole with Cyclodextrins for Bioavailability Enhancement, *Pharmaceutics* **2024**, *16*(4), 560; https://doi.org/10.3390/pharmaceutics16040560
194. Bejenaru Cornelia; Radu Antonia; Segneanu Adina-Elena; Biţa Andrei; Ciocîlteu Maria Viorica; Mogoșanu George Dan; Bradu Ionela Amalia; Vlase Titus; Vlase Gabriela; Bejenaru Ludovic Everard, Pharmaceutical Applications of Biomass Polymers: Review of Current Research and Perspectives, *Polymers* **2024**, *16*(9), 1182; https://doi.org/10.3390/polym16091182
195. Andor, Minodora; Temereancă, Claudia; Sbârcea, Laura; Ledeți, Adriana; Man, Dana Emilia; Mornoș, Cristian; Ridichie, Amalia; Cîrcioban, Denisa; Vlase, Gabriela; Barvinschi, Paul; Caunii, Angela; Văruţ, Renata-Maria. Host–Guest Interaction Study of Olmesartan Medoxomil with β-Cyclodextrin Derivatives, *Molecules* 2024, *29*(10), 2209; https://doi.org/10.3390/molecules29102209.
196. Circioban Denisa; Ledeți Adriana; Ridichie Amalia; Vlase Titus; Ledeți Ionuț; Bradu Ionela-Amalia; Pahomi Alexandru; Sbârcea Laura; Vlase Gabriela, Compatibility study of mirtazapine with several excipients used in pharmaceutical dosage forms employing thermal and non-thermal methods, *Journal of Thermal Analysis and Calorimetry*, 2024, (Article in press) DOI:10.1007/s10973-024-13181-w.
197. Budiul, Mihaela Maria; Vlase, Gabriela; Negru, Daniel; Okolišan, Dorinel; Bradu, Ionela-Amalia; Tăşală, Alexandra; Pahomi, Alexandru; Vlase, Titus; Jumanca, Daniela; Galuscan, Atena; Sfirloaga, Paula; Carabă, Nicoleta. Dental Biopolymer Composites with Antibiotics, Bisphosphonate, and Hydroxyapatite for Possible Use

in Bone Tissue Regeneration, Hindawi Journal of Chemistry, Volume 2024, Article ID 6614044, 19 pageshttps://doi.org/10.1155/2024/6614044.

198. Segneanu, Adina-Elena; Bradu, Ionela Amalia; Calinescu, Mihaela Simona; Vlase, Gabriela; Vlase, Titus; Herea, Daniel-Dumitru; Buema, Gabriela; Mihailescu, Maria; Grozescu, Ioan. Novel Nanocomposites and Biopolymer-Based Nanocomposites for Hexavalent Chromium Removal from Aqueous Media, *Polymers* 2024, *16*(24), 3469; https://doi.org/10.3390/polym16243469
199. Ledeţi, Adriana; Baul, Bianca; Ridichie, Amalia; Ivan, Denisa; Vlase, Titus; Tomoroga, Carmen; Dragomirescu, Anca; Vlase, Gabriela; Bertici, Răzvan Adrian; Man, Dana Emilia, Ledeţi, Ionuţ. Thermooxidation of Four Sartans: Kinetic Analysis Based on Thermo-Gravimetric Data, Molecules 2024, 29, 5527. https://doi.org/10.3390/molecules29235527.
200. Gabriela Vlase, Adina-Elena Segneanu, Ludovic Everard Bejenaru, Ionela Amalia Bradu,Crina Sicoe, Titus Vlase, George Dan Mogo, Gabriela Buema, Dumitru-Daniel Herea, Maria Viorica Ciocilteu and Cornelia Bejenaru, Wild-Grown Romanian Eupatorium cannabinum: Advancing Phyto-Nanocarriers via Maltodextrin Micro-Spray Encapsulation—Metabolite Profiling, Antioxidant, Antimicrobial, and Cytotoxicity Insights, Polymers 2025, 17, 482, https://doi.org/10.3390/polym17040482
201. Ionut, Ledet, Claudia Temereancă , Amalia Ridichie, Adriana Lede, Denisa Laura Ivan, Gabriela Vlase, Titus Vlase, Carmen Tomoroga, Laura Sbârcea and Oana Suciu, Oxidative Thermolysis of Sulfobutyl-Ether-Beta-Cyclodextrin Sodium Salt: A Kinetic Study, Appl. Sci. 2025, 15, 441, https://doi.org/10.3390/app15010441
202. Segneanu, Adina-Elena; Bradu, Ionela Amalia; Calinescu, Mihaela Simona; Vlase, Gabriela; Vlase, Titus; Herea, Daniel-Dumitru; Buema, Gabriela; Mihailescu, Maria, Grozescu, Ioan, Novel Nanocomposites and Biopolymer-Based Nanocomposites for Hexavalent Chromium Removal from Aqueous Media, Polymers 2024, 16, 3469, https://doi.org/10.3390/polym16243469
203. Buzatu, BLR ; Dumitrescu, R ; Luca, MM ; Buzatu, R ; Galuscan, A; Bolchis, V,; Vlase, G ; Vlase, T (; Jumanca, DE , Enamel Surface and Elemental Changes Following In Vitro Bleaching: A SEM-EDS Approach, Dent.J.**2025**, *13*(9), 431;https://doi.org/10.3390/dj13090431, (IF 3.1; AIS 0.607; Q1)
204. Pahomi, A, Potinteu, IA, Tasala, AM, Cernusca, BD, Sfîrloaga, P, Vlase, T, Vlase, G, Budiul, MM. 2025, Thermal Treatment and Polymer Matrix Diffusion Effects on Hydroxyapatite Particle Size Evolution, ***Polymers*** (**IF 4.9; AIS 0.701; Q1**), *17*(17), 2323.
205. Stanoiu, AM ; Bejenaru, C ; Segneanu, AE ; Vlase, G ; Bradu, IA ; Vlase, T ;Mogosanu, GD ; Ciocilteu, MV ; Bita, A ; Kostici, R ; Design and Evaluation of a *Inonotus obliquus*-AgNP-Maltodextrin Delivery System: Antioxidant, Antimicrobial, Acetylcholinesterase Inhibitory and Cytotoxic Potential, *Polymers***2025**, *17*(15), 2163
206. Buzatu, BLR ; Galuscan, A ; Dumitrescu, R ; Buzatu, R ; Luca, MM ; Balean, O; Vlase, G ; Vlase, T; Anghel, IM ; Opris, C; Todor, BI ; Dumitrache, MA; Jumanca, D , In Vitro Evaluation of Chemical and Microhardness Alterations in Human Enamel Induced by Three Commercial In-Office Bleaching Agents, Dent.J.**2025**, 13(8), 357;https://doi.org/10.3390/dj13080357 , (IF 3,1; AIS 0.607; Q1)
207. Okolišan D, Vlase G, Budiul MM, Matica MA, Vlase, T. 2025, Amygdalin-Doped Biopolymer Composites as Potential Wound Dressing Films: In Vitro Study on *E. coli* and *S. aureus*, ***Gels*** (IF 5.3; AIS 0.678; Q1), *11*(8), 609;https://doi.org/10.3390/gels11080609
208. Floare, L ; Dumitrescu, R ; Bolchis, V ; Balean, O ; Vlase, G ; Vlase, T ; Anghel, IM; Opris, C ; Sava-Rosianu, R ; Alexa, VT ; Jumanca, D ; Galuscan, A , Multimodal and Advanced Characterization of Dental Resin Composites: Insights into Beverage-Induced Degradation, J.Clin.Med, 2025, 14(12), 4080; https://doi.org/10.3390/jcm14124080, (IF 2.9; AIS 0,869; Q1)
209. Segneanu, AE ; Bradu, IA ; Vlase, G ; Vlase, T ; Bejenaru, C ; Bejenaru, LE ; Mogosanu, GD ; Ciocilteu, MV ; Herea, DD ; Boia, ER, Design and Evaluation of a Zingiber officinale-Kaolinite-Maltodextrin Delivery System: Antioxidant, Antimicrobial, and Cytotoxic Activity Assessment, Pharmaceutics, **2025**, 17(6), 751;https://doi.org/10.3390/pharmaceutics17060751, (IF 5.5; AIS 0.902; Q1)
210. Dumitrescu, R ; Anghel, IM ; Opris, C ; Vlase, T ; Vlase, G; Jumanca, D ; Galuscan, A ; Toderas, NA; Oancea, R ; Sava-Rosianu, R ; Balean, O , Investigating the Effect of Staining Beverages on the Structural and Mechanical Integrity of Dental Composites Using Raman, Fourier Transform Infrared (FTIR) Spectroscopy, and Microhardness Analysis, Medicina, 2025, 61(4), 590; https://doi.org/10.3390/medicina61040590, (IF 2.4; AIS 0.614; Q1)
211. Segneanu, AE ; Vlase, G ; Marin, CN ; Vlase, T ; Sicoe, C ; Herea, DD ; Ciocîlteu, MV ;Bejenaru, LE ; Minuti, AE ; Zara, CM ; Socoliuc, V ; Stavila, C ; Bejenaru, C , Wild grown *Portulaca oleracea* as a novel magnetite

based carrier with in vitro antioxidant and cytotoxicity potential, SCIENTIFIC REPORTS, 2025, Volume 15 (1), 10.1038/s41598-025-92495-7. *(*IF 3,9; AIS 1.031; Q1)

212. Vlase, G ; Segneanu, AE; Bejenaru, LE ; Bradu, IA; Sicoe, C ; Vlase, T ; Mogosanu, GD ; Buema, G ; Herea, DD ; Ciocîlteu, MV ; Bejenaru, C , Wild-Grown Romanian Eupatorium cannabinum: Advancing Phyto-Nanocarriers via Maltodextrin Micro-Spray Encapsulation-Metabolite Profiling, Antioxidant, Antimicrobial, and Cytotoxicity Insights, Polymers, 2025 , 17(4), 482; https://doi.org/10.3390/polym17040482, (IF 4.9; AIS 0.701; Q1).

213. Borcan, F ; Len, A ; Vlase, T ; Vlase, G ; Dudas, Z ; Popescu, R; Albulescu, RC ; Dehelean, CA ; Szuhanek, CA , Development and Characterization of a Cationic Polyurethane Carrier for Enhanced Topical DNA Delivery, Drug Design, Development and Therapy 2025:19 5781–5799, (IF 5.1; AIS 0.958; Q1)

214. Braila, EB ; Alexa, VT ; Dinu, S ; Bolchis, V ; Titus, V ; Gabriela, V; Galuscan, A ; Jumanca, D, Structural Stability of Silicone-Based Elastodontic Appliances After Clinical Use: Insights from FTIR Spectroscopy, Materials, 2025, 19(1), https://doi.org/10.3390/ma19010013, (**IF 3.2; AIS 0.524; Q2**)

215. Ionuț Ledeți, Cosmina Bengescu, Adriana Ledeți, Gabriela Vlase, Titus Vlase, Cezara Maria Mureșan, Carmen Tomoroga, Valentina Buda, Anca Dragomirescu, Felicia Andrei, Lenuța-Maria Șuta, Tudor Olariu, Oana Suciu, Laura Sbârcea, Cornelia Muntean, Denisa Ivan, Instrumental investigations and preformulation study of the progestin drug desogestrel, Journal of Thermal Analysis and Calorimetry (2025) 150:22717–22731 https://doi.org/10.1007/s10973-025-15096-6. (IF 3.1; AIS 0.413; Q2)

216. Ridichie Amalia; Ledeti, A; Bengescu, C; Sbârcea, L; Bertici, RA; Ivan, DL; Vlase, G ; Vlase, T; Peter, F ; Ledeti, I ,Thermal Stability and Degradation of Three Similar-Structured Endogenous Estrogens, Analytica, 2025, 6(4), 52,https://doi.org/10.3390/analytica6040052 (IF 3.6; AIS 0.479; Q2)

217. Ledeti, I ; Temereanca, C; Ridichie, A; Ledeti, A; Ivan, DL; Vlase, G ; Vlase, T ; Tomoroga, C ; Sbarcea, L ; Suciu, O, Oxidative Thermolysis of Sulfobutyl-Ether-Beta-Cyclodextrin Sodium Salt: A Kinetic Study, **Appl. Sci**, 2025, 15(1), (**IF 2.5; AIS 0.438; Q2**)441;https://doi.org/10.3390/app15010441

218. Okolisan, D; Potinteu, AI ; Vlase, G; Budiul, MM ; Matica, MA; Pahomi, A; Mogos, A; Vlase, T , Novel Ternary Biopolymer Films Incorporating Amygdalin: FTIR, TG, and In Vitro Evaluation on Model Bacteria, *Materials* 2026, *19*(5), 897; https://doi.org/10.3390/ma19050897

219. Gabriela Ursuț, Dan Vlase, Gabriela Vlase, Alexandra Cioponea, Alexandru Pahomi, Paula Sfirloaga, Ioan Alexandru Bărbat, Florin Manea, Ionela-Amalia Potinteu, Laura Pitulice, Titus Vlase. Multiple technique analysis of pottery and clay samples from the Neolithic settlement Șoimuș—Teleghi (Romania), Journal of Thermal Analysis and Calorimetry (2026) 151:10389–10407 https://doi.org/10.1007/s10973-026-15429-z.

220. Camelia Daniela Ionaș, Mihaela Maria Budiul, Alexandra Cioponea, Alexandru Pahomi, Titus Vlase, Dorinel Okolišan, Mădălina Grădinaru, Gabriela Vlase. Environmental sensitivity of prasugrel hydrobromide: a study of light and relative humidity effects, Journal of Thermal Analysis and Calorimetry https://doi.org/10.1007/s10973-026-15500-9, accepted martie 2026.

221. Camelia Daniela Ionas, , Dorinel Okolišan , Camelia Epuran, Ion Frătilescu, Gabriela Vlase, Alexandru Pahomi, Raul Stefan-Pantis, Mihaela Maria Budiul, Mădălina Grădinaru and Titus Vlase, Flunarizine-Loaded Hydrogels: A Novel Formulation and Physicochemical Characterization, Polymers 2026, 18, 1014, https://doi.org/10.3390/polym18091014

222. Mihaela Maria Budiul, Dorinel Okolišan, Gabriela Vlase, Alexandra Tășală, Mădălina Grădinaru, Alexandru Pahomi, Camelia Ionaș, Titus Vlase, Stability under thermal stress: a thermoanalytical and spectroscopic insight into flunarizine dihydrochloride and its binary mixtures, Journal of Thermal Analysis and Calorimetry, 2026, https://doi.org/10.1007/s10973-026-15740-9

223. Iulia Gallo, Ion Fratilescu, Camelia Epuran, Alexandru Pahomi, Maria Dumitrescu, Mihaela Maria Budiul, Mădălina Grădinaru, Titus Vlase, Gabriela Vlase, Assessment of phenprocoumon stability and excipient compatibility, using thermoanalytical techniques and FT-IR spectroscopy, Journal of Thermal Analysis and Calorimetry, https://doi.org/10.1007/s10973-026-15762-3.

224. Iulia Gallo, Camelia Epuran, Ion Fratilescu, Raul Stefan-Pantis, Alexandru Pahomi, Mihaela Maria Budiul, Titus Vlase, Gabriela Vlase, Formulation and Analytical Characterization of Phenprocoumon-Loaded κ-Carrageenan Hydrogels for Controlled - Release Applications, *Molecules* 2026, *31*(14), 2540; https://doi.org/10.3390/molecules31142540.

225. Alexandra Cioponea, Dan Vlase, Ionela-Amalia Potinteu, Alexandru Pahomi, Gabriela Ursuţ, Paula Sfirloaga, Cosmin Ioan Suciu, Florin Manea, Sorin Vlad Predescu, Gabriela Vlase, Titus Vlase, Pottery and clay: analysis of late Neolithic pottery and clay samples from the Ronaț-Triaj site (Timișoara, Timiș County, Romania) using

hyphenated techniques, Journal of Thermal Analysis and Calorimetry, 2026, https://doi.org/10.1007/s10973-026-15909-2

iii. Lucrări ştiinţifice apărute în rezumat în volumele unor manifestări ştiinţifice internaţionale

1. T.Vlase, Gabriela Jurca and N. Doca, "Support effect at the thermal decomposition of some catalyst precursors", ESTAC – 7, European Symposium on Thermal Analysis and Calorimetry, 30 Aug – 4 Sept., 1998, Balatonfüred, Hungary, p. 160
2. O.Costişor, R.Tudose, T.Vlase, N. Doca and G.Jurca, "Thermal stability of complexes containing Manich – Bases as ligands", ESTAC – 7, European Symposium on Thermal Analysis and Calorimetry, 30 Aug – 4 Sept., 1998, Balatonfüred, Hungary, p. 59.
3. G.Jurca, T.Vlase, N. Doca, "Non isothermal decomposition of some complexes and organic salts", The XIII-th Conference "Physical Methods in Coordination and Supramolecular Chemistry", Chişinău, 7-10 September 1999, p. 98
4. T.Vlase, G.Jurca, N. Doca, "Study on supported catalyst precursors by processing the thermogravimetric data", The XIII-th Conference"Physical Methods in Coordination and Supramolecular Chemistry", Chişinău, 7-10 September 1999, p. 140.
5. T.Vlase, G.Jurca, N. Doca, "The effect of the support by the thermal decomposition of some catalyst precursors", Calorimetry and Thermal Effects in Catalysis, Lyon, France, July 4 – 7 2000, p. 25.
6. T.Vlase, G.Jurca, N. Doca, "Non-isothermal kinetics by decomposition of some catalyst precursors", Calorimetry and Thermal Effects in Catalysis, Lyon, France, July 4 – 7 2000, p.26.
7. T.Vlase, G.Vlase, A.Chiriac and N.Doca, "The influence of concentration and anion nature on the support effect", ESTAC – 8, European Symposium on Thermal Analysis and Calorimetry, 25 - 29 Aug, 2002, Barcelona, Spain, p. 52
8. T.Vlase, G.Vlase, A.Chiriac and N.Doca, "Non-isothermal kinetics and ft-ir studies by decomposition of organics salts of some d and f metals", ESTAC – 8, European Symposium on Thermal Analysis and Calorimetry, 25 - 29 Aug, 2002, Barcelona, Spain, p. 52.
9. T.Vlase, M.Doca, G.Vlase, O.Bizerea and N.Doca, "Specificity by decomposition of solids in non-isothermal conditions", ESTAC – 8, European Symposium on Thermal Analysis and Calorimetry, 25 - 29 Aug, 2002, Barcelona, Spain, p. 63.
10. N.Doca, T.Vlase, G.Vlase, A.Chiriac, "On the step by step variation of the free enthalpy by thermal decompositions of solids", The Ist International Conference of the Moldavian Chemical Society, 6-8 October 2003, Chisinau, Moldova, p. 82.
11. Cornelia Muntean, T.Vlase, Gabriela Vlase, N.Doca, "Non-isothermal kinetic and FT-IR studies of some phosphates and nitrates mixtures used as fertilizers", The Ist International Conference of the Moldavian Chemical Society, 6-8 October 2003, Chisinau, Moldova, p. 94.
12. T.Vlase, Gabriela Vlase, A.Chiriac and N.Doca, "NPK method by non-isothermal decomposition of some food additives", The I-st International Conference of the Moldavian Chemical Society, 6-8 October 2003, Chisinau, Moldova, p. 116
13. T.Vlase, Gabriela Vlase and N.Doca, "Comparative studies of the different processing methods in non-isothermal kinetic", The Ist International Conference of the Moldavian Chemical Society, 6-8 October 2003, Chisinau, Moldova, p. 117
14. T.Vlase, G.Vlase, A.Chiriac, N.Doca, "About compensation effect by thermal decomposition of some catalyst precursors", 13th International Congres on Thermal Analysis and Calorimetry, ICTAC 13, September 12-19, 2004, Chia Laguna, Italia, p. 38
15. T.Vlase, G.Vlase, N.Doca, "Processing of non-isothermal TG data. Comparative kinetic analysis with NPK method", 13th International Congres on Thermal Analysis and Calorimetry, ICTAC 13, September 12-19 2004, Chia Laguna, Italia, p. 39
16. T.Vlase, G.Vlase, N.Doca, "Thermal stability of food aditives of glutamate and benzoate type", 13th International Congres on Thermal Analysis and Calorimetry, ICTAC 13, September 12-19 2004, Chia Laguna, Italia, p.254
17. T.Vlase, G.Vlase, N.Doca, "Kinetics of thermal decomposition of alkaline phosphates", 13th International Congres on Thermal Analysis and Calorimetry, ICTAC 13, September 12-19 2004, Chia Laguna, Italia, p.379

18. 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
19. D.Tiţa, Gabriela Vlase, B.Tiţa, N.Doca*, Nicoleta Birta, T. Vlase, “Comparative kinetic study by decomposition of some diazepine derivates under isothermal and non-isothermal conditions”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug.2006, KRACOW, Poland, p. 102, ISBN 83-89541-74-2
20. 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
21. 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
22. 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
23. 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 Costişor, N. Doca, “Kinetic of decomposition of some complexes under non-isothermal conditions”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug. 2006, KRACOW, Poland, p. 106, ISBN 83- 89541-74-2
25. Alexandra Ioiţescu, Gabriela Vlase, T. Vlase, N. Doca, “Kinetics of decomposition of different acid calcium phosphates”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug.2006, KRACOW, Poland, p. 243, ISBN 83-89541-74-2
26. Gabriela Vlase, B.Tiţa, N.Doca, Nicoleta Birta, D.Tiţa, T. Vlase, “Non-isothermal kinetics by decomposition of some diazepine derivatives”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug. 2006, KRACOW, Poland, p. 103, ISBN 83-89541-74-2
27. B. Tiţa, Gabriela Vlase, Daniela Oneţiu, Mariana Doca, D.Tiţa, T.Vlase, N.Doca, “Thermal behaviour of active compounds vs. pharmaceuticals by some diazepine”, ESTAC-9, European Symposium on Thermal Analysis and Calorimetry, 27-31 Aug.2006, KRACOW, Poland, p. 61, ISBN 83-89541-74-2
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. Perţa, “Estimation Of Flame Retardant Efect By Means Of Thermal Analysis”, The 8th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2007), Palermo, Italy, Sept. 2007, p.226
30. G.Vlase, T.Vlase, N. Doca, “Thermal behavior of some phenitoine pharmaceuticals”, The 8th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2007), Palermo, Italy, Sept. 2007, p. 95
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. Ioiţescu, “Kinetics by Non-isothermal Decomposition of Phenyl-vinyl-phosphoric Acid and Some of its Salts”, The 8th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2007), Palermo, Italy, Sept. 2007, p. 206
34. T.Vlase, G.Vlase, N. Doca, “Kinetics of non-isothermal decomposition of some phosphoric acid derivatives supported on TiO2”, The 8th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2007), Palermo, Italy, Sept. 2007, p. 205
35. 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 MediterraneanConference 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 alcool)/ethylene glycol/silica hybrids. Thermal analysis and FT-IR study" International conference of physical chemistry, Romphyschem 13, Semtember 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. 101
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 Fe(NO3)3 and low diols", 9th Mediterranean Conference on Calorimetry and Thermal Analysis MEDICTA -15-18 June Marseille, France, p. 102
46. Oana Stefănescu, Titus Vlase, Gabriela Vlase, Nicolae Doca , Mircea Stefănescu, „Synthesis and characterization of new carboxylate compounds obtained in the redox reaction between Fe(NO3)3 and diols", Abstract Book, European Symposium on Thermal Analysis and Calorimetry ESTAC- 10, 22-27 aug.2010, Rotterdam, p.95
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 Fulias , Gabriela Vlase, Nicolea Doca, Titus Vlase, "Thermal Behaviour of some Phenazones", Abstract Book, European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p. 117
49. Adriana Fulias , Gabriela Vlase, Titus Vlase,Bogdan Tita, Dumitru Tita, Nicolea Doca, "Thermal behaviour of Cefadroxil monohydrate. EGA Study", European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p. 116
50. Corina Duda-Seimann, T. Vlase, Gabriela Vlase, Rodica Cinca, N. Doca, "Thermal behaviourof Verapamile 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-Seiman, N. Doca, "Thermal Analysis study of Amlodypyne as pure compound and in binary system", European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p.265
52. Mariana Anghel, T. Vlase, P. Albu , Gabriela Vlase, N. Doca, "Thermal behaviour of Glycyrrhetinic acid", European Symposium on Thermal Analysis and Calorimetry ESTAC-10, 22-27 aug.2010, Rotterdam, p.39
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 Fulias, Gabriela Vlase, Titus Vlase,Bogdan Tita, Nicolea Doca, "Comparative kinetic analysis on thermal decomposition of some Cephalosporins using TG and DSC data" European Symposium on Thermal

Analysis and Calorimetry ESTAC-10, 22-27 aug 2010, Rotterdam, p. 115.

55. Adriana Fuliaş. Gabriela Vlase, Titus Vlase, Nicolae Doca, Thermoanalytical study of cefadroxil and its mix1ures with different excipients, EuroAnalysis 2009, 6-10 septembrie 2009, lnnsbruck, Austria, Book of abstracts, poster P139-B1.
56. Mariana Anghel, Gabriela Vlase, T. Vlase, N. Doca, „Thermal behavior of some glycyrrhetinic and Betulinic derivatives", 10th Mediterranean Conference on Calorimetry and Thermal Analysis MEDICTA 2011, Porto, Portugal
57. T. Vlase, P.Albu, Gabriela Vlase, C. Bolcu, E. Sisu, N. Doca, „Amminated maltose as reticulant in polyurethane synthesis", 10th Mediterranean Conference on Calorimetry and Thermal Analysis MEDICTA 2011, Porto, Portugal
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 polyuretanes 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. Ştefănescu, T.Vlase, S. Sorescu, P. Barvinschi, M. Ştefănescu, "Thermal behavior of Co(II) and Ni(II) carboxylate complexes obtained by two original synthesis methods", 15- th International Congress on Thermal Analysis and Calo~~rimetry (ICTA~~C 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", 11th 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 diisocianate-silane compounds", 11th 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", 11th 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", 11th Conferenceon Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p 169
70. Nicolina Pop, A.M. Mogoş, Gabriela Vlase, T. Vlase, N. Doca, "Correlation between DTG and IR data in evolved gas analysis experiments", 11th 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 ofdifferent materials", 11th Conferenceon Calorimetry and Thermal Analysis, CCTA 11, sept 2012, Zakopane, Poland, p. 82

72. Ionuţ Ledeţi, Adriana Fuliaş, Gabriela Vlase, Adrian Bobică, Titus Vlase, Nicolae Doca, "Thermal Decomposition, Kinetic Study and Evolved Gas Analysis of Fire-retardant Melamine", CEEC-TAC 2 The 2th Central and Eastern European Committee for Thermal Analysis and Calorimetry, Vilnius, Lithuania, 27-31 aug. 2013, PS1-30
73. Adriana Fuliaş, IonuţLedeţi, Gabriela Vlase, Titus Vlase, Daniela Oneţiu, 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 Fuliaş, IonuţLedeţi, 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. IonuţLedeţi, Adriana Fuliaş, Maria Ilici, VasileBercean, Gabriela Vlase, Paul Albu, VioletaTurcuş, 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, IonutLedeţi, 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, LucretiaUdrescu, 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 Rusia, (RTAC-2013), Saint Petersburg 23-28 September 2013.
83. Ionut Ledeţi, Gabriela Vlase, AnamariaTodea, Titus Vlase, Adriana Fuliaş, "Thermal characterization of polymeric coating for pharmaceutical dosage form", Polymer and Organic chemistry 2014, (POC 2014) June 10-13, 2014, Timisoara, Romania.
84. Adriana Fulias, Vasile Berceanu, Gabriela Vlase, Titus Vlase, IonutLedeţi, "Spectroscopic and Thermal contributions regarding the synthesis of betulonic acid by selective oxidation of betulin", ICCE-22 Annual Internationqal Conference on Composites or Nano Engineering, Malta July13- 19 2014.
85. Fuliaş, I. Ledeţi, L.M. Şuta, G.Vlase, T.Vlase, "Kinetic study of betuonic acid", 5-th EuCheMS Chemistry Congress, August 31- september 4, 2014, Istambul, Turkey.
86. MirceaStefanescu, Marius Bozdog, Cornelia Munteanu, Titus Vlase, OanaStefanescu, "Preparation and characterization of Co1-xZnXFe2O4 starting from Co(II), Zn(II) and Fe(III), carboxylate precursors, The 11-th European Symposium on Thermal Analysis and Calorimetry, Finland, Aug. 17-21, 2014.
87. MirceaStefanescu, Simona Sorescu, Daniela Susan Resiga, OanaStefanescu, Gabriela Vlase, "Obtaining of NiO/SiO2 by thermal decomposition of Ni(II) carboxylates formed within hybrid siloicagels",The 11-th European Symposium on Thermal Analysis and Calorimetry, Finland, Aug. 17-21, 2014.

88. Adriana Fulias, Gabriela Vlase, Lenuta-Maria Suta, CodrutaSoica, Titus Vlase, IonutLedeti, Screening and characterization of cocrystal formation of carbamazepine with succinic acid, XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p.78
89. Adriana Fulias, Gabriela Vlase, Lenuta Maria-Suta, CodrutaSoica, Titus Vlase, IonutLedeti, Ketoprofen-Cysteine cocrystal- Synthesis, thermal analysis and FTIR spectroscopy investigation. XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p.77
90. IonutLedeti, Gabriela Vlase, Titus Vlase, Lenuta-Maria Suta, AnamariaTodea, IonelCiucanu, Adriana Fulias, Kinetic study regarding the decomposition of pravastatin –active substance and tablets, XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p. 81
91. IonutLedeti, Gabriela Vlase, Titus Vlase, Lenuta-Maria Suta, AnamariaTodea, IonelCiucanu, Adriana Fulias, Solid –state evaluation of compatibility between simvastatin and pharmaceutical excipients, XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p. 80
92. IonutLedeti, Gabriela Vlase, Titus Vlase, Cristina Patrutescu, VasileBerceanu, Adriana Fulias, Kinetic of solid-state degradation of tranzitional coordinative compounds containing 1,2,4- triazolic ligand., XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p. 84
93. Constantin Bolcu, DorinaModra, Gabriela Vlase, Paul Albu, Titus Vlase, Infuence of nature of the chain breaker on the thermal stability of phthalic anhydride based polyesters, XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p. 34-35
94. Constantin Bolcu, Paul Albu, DorinaModra, Gabriela Vlase, Titus Vlase, Thermal behavior of the polyesters obtaining with different molar ratios of carboxyl hydroxyl components., XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p. 91-92
95. Paul Albu, DorinaArdelean, Gabriela Vlase, VioletaTurcus, Titus Vlase, The kinetic study and thermal behaviour of memantine hydrochloride, a biologic active compound used in treatment of Alzheimer disease, XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, 73-74
96. Paul Albu, Gabriela Vlase, VioletaTurcus, Titus Vlase, Investigation of Thermally induced interactions between pioglitazone and some excipients by TG/DTG/and DSC analysis, XXXVI, AICAT Congress, Cagliary, Sept. 8-11 2014, p. 29
97. Cristina Patrutescu, Paul Albu, Titus Vlase, DorinaArdelean, Gabriela Vlase, TG/DTG/DTA used for determining the kinetic parameters of an immunosuppresive agent mycophenolatemofetil., XXXVI, AICAT Congress, Cagliary, 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 emision 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, AlinMogos, Lenuta-Maria Suta, IonutLedeti, Theophyline succinic acid 2:1 cocrystals obtained by slurry grinding. RO-ICAC 2014, 2nd International Conference on Analytical Chemistry, Valahia University of Targoviste, sept. 17-21, 2014, S4_P13
101. Ionut Ledeti, Andreea Alexa, Vasile Berceanu, Titus Vlase, AlinMogos, Adriana Fulias, Solid state decomposition of Schiff bases bearind 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. Ionuţ Ledeţi, Gabriela Vlase, Titus Vlase, Ionel Ciucanu, Adriana Fuliaş, Comparative thermal stability of two similar-structure hypolipidemic agents – simvastatin and lovastatin. Kinetic study, Invited ORAL, Code: M84, **Medicta 2015** Mediterranean Conference on Thermal Analysis and Calorimetry, June 17-19, 2015, Girona, Spain
103. Ionuţ Ledeţi, Vasile Bercean , Gabriela Vlase, Titus Vlase, Adriana Fuliaş, New derivatives obtained via functionalization of betulonic acid by condensation with amino compounds, Poster, Code: M85, **Medicta 2015** Mediterranean Conference on Thermal Analysis and Calorimetry, June 17-19, 2015, Girona, Spain
104. Adriana Fuliaş, Vasile Bercean, Gabriela Vlase, Titus Vlase, Ionuţ Ledeţi, Study of thermal degradation of new compounds bearing triterpenic moiety, Poster, Code: M86, **Medicta 2015** Mediterranean Conference on Thermal Analysis and Calorimetry, June 17-19, 2015, Girona, Spain
105. Adriana Fuliaş, Gabriela Vlase, Titus Vlase, Lenuţa-Maria Suta, Ionuţ Ledeţi, Thermal degradation of two pentacyclic triterpene acids: oleanolic and ursolic. Kinetic study Poster, Code: M87, **Medicta 2015** 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 3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry (**CEEC-TAC3**) 25-28 August 2015, Ljubljana, Slovenia, p.212
107. Ionuţ Ledeţi, Gabriela Vlase, Tudor Olariu, Adriana Fuliaş, Nicolae Doca, Titus Vlase, Investigation of thermal-induced decomposition of iodoform, Book of abstract 3rd 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 3rd 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 3rd 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 3rd 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 3rd 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 $NaTaO_3$ nanomaterials obtained by a fast synthesis method, Book of abstract 3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry (**CEEC-TAC3**) 25-28 August 2015, Ljubljana, Slovenia, p. 316
113. Ionuţ Ledeţi, Gabriela Vlase, Adriana Fuliaş, Lenuţa-Maria Şuta, Paul Albu, Ionel Ciucanu, Titus Vlase, Search of interaction indicators in binary mixtures of Pravastatin sodium with pharmaceutical excipients, Book of abstract 3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry (**CEEC-TAC3**) 25-28 August 2015, Ljubljana, Slovenia, p. 400
114. Ionuţ Ledeţi, Gabriela Vlase, Adriana Fuliaş, Lenuţa Şuta, Paul Albu, Codruţa Şoica, Cristina Dehelean, Titus Vlase, Is oxo group a stabilising or destabilising moiety in pentacyclictriterpenoid structure?, Book of abstract 3rd 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_2, obtained by thermal decomposition of Zn(II), Mg(II) and Al(III)carboxylates, Book of abstract 3rd 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, Ionuţ Ledeţi, Adriana Fuliaş, Titus Vlase, Study of thermal induced interactions between polyvinyl alcohol and pharmaceutical excipients, Book of abstract 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA12**) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
117. Roxana Blajovan, Gabriela Vlase, Ionuţ Ledeţi, Adriana Fuliaş, Titus Vlase, Is polyvinylpyrrolidone compatible with other pharmaceutical excipients? Thermal and spectroscopic investigations, Book of abstract 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA 12**) and 5th Join 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 12th Conference On Calorimetry And

Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA12**) and 5th 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 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA12**) and 5th 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 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA 12**) and 5th Joint Czech-Hungarian- Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland

121. 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 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA 12**) and 5th Joint Czech-Hungarian-Polish– Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland Ionel Ciucanu, Mihaela Maria Budiul, Titus Vlase, Chromatography-mass spectrometry methods for thermal degradation products of lovastatin, 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA 12**) and 5th Joint Czech-Hungarian-Polish– Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland

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 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA 12**) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland

123. 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 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA 12**) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland

124. Gabriela Vlase, Ionuţ Ledeţi, Titus Vlase, Adriana Fuliaş, Thermal-induced interactions between mycophenolic acid and pharmaceutical excipients, Book of abstract 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA 12**) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland

125. 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 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA 12**) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland

126. Ionuţ Ledeţi, Gabriela Vlase, Titus Vlase, Adriana Fuliaş, Nicolae Doca, Thermoanalytical screening of potential metoclopramide-excipient interactions in preformulation studies, Book of abstract 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA 12**) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland

127. 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 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA12**) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland

128. Ionuţ Ledeţi, Doina Piciu, Gabriela Vlase, Titus Vlase, Adriana Fuliaş, Kinetic study and solid-state analysis of

synthetic thyroid hormone: l-thyroxine vs. l-thyroxine sodium, Book of abstract 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA 12**) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland

129. Ionuţ Ledeţi, Gabriela Vlase, Titus Vlase, Lenuţa-Maria Şuta, Ionel Ciucanu, Adriana Fuliaş, Solid-state characterization of bicalutamide in binary mixtures with pharmaceutical excipients – an investigation by thermal and spectroscopic methods, Book of abstract 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA 12**) and 5th Joint Czech- Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
130. Adriana Fuliaş, Gabriela Vlase, Titus Vlase, Lenuţa-Maria Şuta, Ionuţ Ledeţi, Kinetic study under non–isothermal conditions and comparative thermal behavior of three tricyclic antidepressants with similar structure, Book of abstract 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA 12**) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
131. Adriana Fuliaş, Gabriela Vlase, Titus Vlase, Lenuţa Şuta, Ionuţ Ledeţi, Application of thermal analysis, DSC and FTIR study in the compatibility testing of amiodarone hydrochloride with different pharmaceutical excipients used in tablets formulations, Book of abstract 12th Conference On Calorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA 12**) and 5th Joint Czech-Hungarian-Polish–Slovakian Thermoanalytical Conference, 6 - 10 September 2015, Zakopane, Poland
132. Ionel Ciucanu, Mihaela Maria Budiul, Gabriela Vlase, Determination of simvastatin thermal degradation products by chromatography-mass spectrometry methods, Book of abstract 12th Conference OnCalorimetry And Thermal Analysis of the Polish Society Of Calorimetry And Thermal Analysis (**CCTA12**) and 5th 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 adamantine derivatives. Case study: adamantan-2- one and memantine hydrochloride, 25 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, Bucureşti 15 april 2016, Romania, Poster Presentation 28, Book of abstract, pg. 70.
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, Bucureşti 15 april 2016, Romania, Poster Presentation 29, Book of abstract, pg. 71.
135. Adriana Ledeti, Gabriela Vlase, Lenuta- Maria Suta, Titus Vlase, Ionut Ledeti, Kinetic study in class of three tricyclic antidepressants: Amitriptyline, Desipramine and Imipramine, 25 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal,Bucureşti 15 april 2016, Romania, Poster Presentation 30, Book of abstract, pg. 72.
136. Ionuţ Ledeti, Gabriela Vlase, Adriana Ledeti, Lenuta- Maria Suta, Titus Vlase, Nortriptyline- study of solid-state compatibility with pharmaceutical excipients, 25 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, Bucureşti 15 april 2016, Romania, Poster Presentation 31, Book of abstract, pg. 73.
137. Lenuta- Maria Suta, Gabriela Vlase, Ionuţ Ledeti, Titus Vlase, Adriana Ledeti, Screening of binary adduct formation of Desipramine with different carboxylic acids, 25 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, Bucureşti 15 april 2016, Romania, Poster Presentation 32, Book of abstract, pg. 74.
138. Manuela Crişan, Gabriela Vlase, Titus Vlase, Thermal and kinetics of primary, secondary and tertiary alkanolammonium salts of p-nitrobenzoic acid, 25 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, Bucureşti 15 april 2016, Romania, Poster Presentation 33, Book of abstract, pg. 75.
139. Paul Albu, Mihaela Maria Budiul, Gabriela Vlase, Titus Vlase, Compatibility studies of Mycophenolate mofetil in binary mixtures with different excipients, 25 th Symposium on Thermal Analysis and Calorimetry- Eugen Segal, Bucureşti 15 april 2016, Romania, Poster Presentation 34, Book of abstract, pg. 76.
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 Vlasa, 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 Ledetia, 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 Ledeţi, Gabriela Vlase, Ionuţ Ledeţi, 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 Ledeţi, Ionuţ Ledeţi, 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 LEDEŢI , Denisa CIRCIOBAN , Gabriela VLASE , Angelica CAUNII , Lenuţa-Maria ŞUTA , Titus VLASE, Ionuţ LEDEŢI, 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, Chişinău,Moldova
151. Marius MURARIU , Ionuţ LEDEŢI , Denisa CIRCIOBAN , Gabriela VLASE , Carmen AXENTE , Lenuţa-Maria ŞUTA , Titus VLASE , Adriana LEDEŢI, Thermal analysis and kinetic study of 6-ethyl chenodeoxycholic acid and deoxycholic acid, Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău,Moldova
152. Ionuţ LEDEŢI, Denisa CIRCIOBAN , Gabriela VLASE , Marius MURARIU, Adriana LEDEŢI, Lenuţa-Maria ŞUTA, Titus VLASE, Thermal analysis and kinetic study of prochlorperazine and promethazine, Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău,Moldova
153. Ionuţ LEDEŢI, Lenuţa-Maria ŞUTA, Marius MURARIU , Denisa CIRCIOBAN , Gabriela VLASE , Adriana LEDEŢI, Titus VLASE, Preformulation studies for selection of excipients for cholinesterase inhibitor tacrine, Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău,Moldova
154. Denisa CIRCIOBAN , Ionuţ LEDEŢI , Gabriela VLASE , Adriana LEDEŢI , 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, Chişinău,Moldova
155. Gabriela VLASE , Adriana LEDEŢI, Denisa CIRCIOBAN , Marius MURARIU , Angelica CAUNII , Ionuţ LEDEŢI , Titus VLASE, Thermal characterization of rivastigmine, Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău,Moldova
156. Gabriela VLASE , Paul ALBU , Adriana LEDEŢI , Denisa CIRCIOBAN , Marius MURARIU , Angelica CAUNII, Ionuţ LEDEŢI , Titus VLASE, Thermal behaviour of entacapone, a catechol-O- methyltransferase inhibitor used in Parkinson's disease, Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău,Moldova
157. Marius MURARIU , Sorin OLARIU , Codruţ IVAN , Ionuţ LEDEŢI , Denisa CIRCIOBAN, Gabriela VLASE , Adriana LEDEŢI , Titus VLASE , Petru MATUSZ, Solid state characterization of human gallstones, Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August

2017, Chişinău,Moldova

158. Denisa CIRCIOBAN, Nicolae DOCA, Ionuţ LEDEŢI , Gabriela VLASE , Adriana LEDEŢi Titus VLASE , Cristina DEHELEAN, Thermal degradation and kinetic analysis for artemether and artesunate, Book of abstracts 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, 28-31 August 2017, Chişinău,Moldova
159. Denisa Cîrcioban, Ionuţ Ledeţi, Gabriela Vlase, Adriana Ledeţi, Titus Vlase, Florin Borcan, Carmen Axente, Cristina Borcan, Cristina Dehelean,Guest-host interactions and complex formation for artemisinin with cyclodextrins, BOOK OF ABSTRACTS 13th Mediterranean Conference, on Calorimetry and Thermal Analysis, Medicta 2017, Loano (SV), Italy, September 24-27, 2017
160. Denisa Cîrcioban, Ionuţ Ledeţi, Gabriela Vlase, Adriana Ledeţi, Marius Murariu, Titus Vlase,Thermal degradation and kinetic study for thermolysis of Tacrine, BOOK OF ABSTRACTS 13th Mediterranean Conference, on Calorimetry and Thermal Analysis, Medicta 2017, Loano (SV), Italy, September 24-27, 2017
161. Adriana Ledeţi, Denisa Cîrcioban, Gabriela Vlase, Marius Murariu, Ionuţ Ledeţi, Lenuţa-Maria Şuta, Titus Vlase,Thermal stability of Benserazide as pure compound and in binary mixture with Levodopa vs. commercial pharmaceutical formulation, BOOK OF ABSTRACTS 13th Mediterranean Conference, on Calorimetry and Thermal Analysis, Medicta 2017, Loano (SV), Italy, September 24-27, 2017
162. Ionuţ Ledeţi, Adriana Ledeţi, Lenuţa-Maria Şuta, Marius Murariu, Gabriela Vlase, Denisa Cîrcioban, Titus Vlase, Preformulation studies for selection of excipients for Ursodeoxycholic acid, BOOK OF ABSTRACTS 13th Mediterranean Conference, on Calorimetry and Thermal Analysis, Medicta 2017, Loano (SV), Italy, September 24-27, 2017
163. Ionuţ Ledeţi, Marius Murariu, Sorin Olariu, Codruţ Ivan, Denisa Cîrcioban, Gabriela Vlase, Adriana Ledeţi, Titus Vlase, Petru Matusz, Comparative thermal stability of some bile acids, BOOK OF ABSTRACTS 13th Mediterranean Conference, on Calorimetry and Thermal Analysis, Medicta 2017, Loano (SV), Italy, September 24-27, 2017
164. Adriana Ledeţi, Denisa Cîrcioban, Gabriela Vlase, Angelica Caunii, Lenuţa-Maria Şuta, Titus Vlase, Marius Murariu, Ionuţ Ledeţi, Comparative thermal analysis and kinetic study of Apomorphine and Cabergoline, BOOK OF ABSTRACTS 13th Mediterranean Conference, on Calorimetry and Thermal Analysis, Medicta 2017, Loano (SV), Italy, September 24-27, 2017
165. Adriana Ledeţi, Mihaela Cristea, Gabriela Vlase, Titus Vlase, Bozena Karolewic, Oana Stefanescu, Ionuţ Ledeţi. Kinetic Study for Heterogeneous Decomposition of Atorvastatin – Active Substance and a Generic Pharmaceutical Formulation. Book of Abstracts,12 th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), *27-30 August 2018 -Braşov, Romania* PS2. 141, p. 507
166. Mihaela Cristea, Ionuţ Ledeţi, Adriana Ledeţi, Gabriela Vlase, Titus Vlase, Bozena Karolewic, Oana Stefanescu, Mircea Stefanescu. Preformulation studies for atorvastatin – an instrumental approach. Book of Abstracts, 12 th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), *27-30 August 2018 -Braşov, Romania* PS2. 140, p. 506
167. Laura Sbarcea, Adriana Ledeţi, Lucreţia Udrescu, Paul Barvinschi, Gabriela Vlase, Ionuţ Ledeţi. Characterization of Betulonic acid – cyclodextrins inclusion complexes. Book of Abstracts,12 th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), *27-30 August 2018 -Braşov, Romania.* PS2. 157, p. 523
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 th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), *27-30 August 2018 -Braşov, Romania* PS1 163, p. 347
169. Mădălin BUNOIU[1], Gabriela VLASE[2], Ioan BICA[1], Titus VLASE. Study of thermal stability of some magnetorheometric elastomers. Book of Abstracts,12 th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), *27-30 August 2018 -Braşov, Romania.* PS2.160, p. 526
170. Moşoiu CODRUŢA[1], Stefana DEZSI[1], Dan VLASE[2], Mădălina MATEESCU[1], Gabriela VLASE[1], Titus VLASE. TG-DTA and FTIR analyses of roman and later historic mortars from Drobeta-Turnu Severin region. Book of Abstracts,12 th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), *27-30 August 2018 -Braşov, Romania* PS2.161, p. 527
171. Mădălina MATEESCU[1], Liviana POPESCU[2], Gabriela VLASE[1], Alexandru PAHOMI[1], Daniela JUMANCA[2], Titus VLASE. Comparative study regarding thermal behaviour of mixtures based on hydroxyapatite and methacrylate for dental use. Book of Abstracts,12 th European Symposium on Thermal Analysis and

Calorimetry (ESTAC12), *27-30 August 2018 -Braşov, Romania.* PS1.147, p 331

172. Liviana POPESCU[1], Mădălina MATEESCU[2], Gabriela VLASE[2], Daniela JUMANCA[1], Titus VLASE. Study of thermally induced interactions between theobromine and various sweeteners. Book of Abstracts,12 th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), *27-30 August 2018 -Braşov, Romania.* PS1.147, p 331
173. Stefana DEZSI[1], Moşoiu CODRUȚA[1], Dan VLASE[2], Octavian Rogozea[3], Gabriela VLASE[1], Titus VLASE. Thermoanalytical investigations of some ceramics dated from the Neolithic period, discovered at Oxamplatz, Sânandrei, Romania. Book of Abstracts,12 th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), *27-30 August 2018 -Braşov, Romania.* PS2.162, p. 528
174. Gabriela VLASE[1], Mădălina MATEESCU[1], Gheorghe ILIA[2,3], Titus VLASE[1]. Thermal and FT-IR study of hydroxyapatite precursors obtained from different phosphates. Book of Abstracts,12 th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), *27-30 August 2018 -Braşov, Romania.* PS2.162, p. 528
175. Alexandra TOMA, Gabriela VLASE, Nicolae DOCA, Gheorghe ILIA, Titus VLASE. Synthesis and characterisation of some metals doped hydroxyapatite with possible medical applications. Book of Abstracts,12 th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), *27-30 August 2018 -Braşov, Romania.* PS1. 139, p.323
176. Alexandru PAHOMI[1], Gabriela VLASE[1], Alexandra TOMA[2], Nicolae DOCA[1], Gheorghe ILIA[2,3], Titus VLASE. Synthesis, thermal behaviour and FT-IR study of some hydroxyapatite precursors doped with two metals. Book of Abstracts,12 th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), *27-30 August 2018 -Braşov, Romania.* PS1. 140, p.324
177. Bianca Beatrice Baul, Lenuţa-Maria Şuta, Anca Dragomirescu, Cornelia Muntean, Adriana Ledeți, Gabriela Vlase, Titus Vlase, Cezara Mureșan, Ionuț Ledeți, Preformulation studies for mycophenolic acid for solid dosage forms, Book of Abstracts of the 28th Symposium on Thermal Analysis and Calorimetry – Eugen Segal – of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR28) & 2nd Symposium on Thermal Analysis and Calorimetry of Moldova (MoldTAC2), 9-10 May 2019, Timişoara, Romania, p. 34
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179. Valentina Buda, Gabriela Vlase, Titus Vlase, Anca Dragomirescu, Adriana Ledeți, Minodora Andor, Corina Danciu, Ionuț Ledeți, Heterogenous degradation of candesartan – active pharmaceutical ingredient and solid dosage form**,** Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timişoara, Romania, p. 36
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182. Adriana Ledeți, Mirabela Romanescu, Gabriela Vlase, Titus Vlase, Cornelia Muntean, Anca Dragomirescu, Lenuţa-Maria Şuta, Denisa Cîrcioban, Cezara Mureșan, Ionuț Ledeți, Compatibility study of Desogestrel with pharmaceutical excipients in solid state**,** Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timişoara, Romania, p. 39
183. Ionuț Ledeți, Sebastian Simu, Carmen Axente, Denisa Cîrcioban, Binca Baul, Gabriela Vlase, Titus Vlas, Anca Dragomirescu, Adriana Ledeți, 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
184. Cezara Mureșan, Ionuț Ledeți, Gabriela Vlase, Titus Vlase, Anca Dragomirescu, Carmen Axente, Valentina Buda, Denisa Cîrcioban, Adriana Ledeți, 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
185. Claudia Olteanu[1], Anamaria Todea[1], Adriana Ledeți[2], Gabriela Vlase[3], Titus Vlase[3], Lenuţa-Maria Şuta[2], Anca Dragomirescu[2], Cornelia Muntean[1,4], Daniela Stoin[5], Ionuț Ledeți, Preliminary characterization of some inclusion complexes of volatile oils with functionalised cyclodextrins, Book of Abstracts CATCAR28 & MoldTAC2, 9-10

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186. Iulia Păușescu, Anamaria Todea, Valentin Badea, Francisc Peter, Mihai Medeleanu, Ionuț Ledeți, Gabriela Vlase, Titus Vlase, Intelligent pH indicators films based on chitosan/PVA and xanthylium dye, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timişoara, Romania, p. 43
187. Mirabela Romanescu, Adriana Ledeți, Cornelia Muntean, Gabriela Vlase, Titus Vlase, Anca Dragomirescu, Lenuţa-Maria Şuta, Denisa Cîrcioban, Ionuț Ledeți, 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
188. Laura Sbârcea, Ionuț Mihai Tănase, Adriana Ledeți, Gabriela Vlase, Anca Dragomirescu, Carmen Axente, Ionuț Ledeți, 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
189. Lenuţa-Maria Şuta, Anca Dragomirescu, Cornelia Muntean, Adriana Ledeți, Gabriela Vlase, Titus Vlase, Bianca Beatrice Baul, Lavinia Stelea, Ionuț Ledeți, Preformulation studies for antiandrogen drug bicalutamid, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timişoara, Romania, p. 46
190. Ionuţ Mihai Tănase, Adriana Ledeți, Gabriela Vlase, Titus Vlase, Lenuţa-Maria Şuta, Anca Dragomirescu, Cornelia Muntean, Ionuț Ledeți, Searching of solid-state interactions between pharmaceutical excipients - carboxymethylcellulose sodium and microcrystalline cellulose, Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timişoara, Romania, p. 47
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192. Maria Elena Radulescu-Grad, Gabriela Vlase, Gheorghe Ilia, Simona Gabriela Muntean, Adelina Andelescu, Termoanalytical study of Amido black 10B dye cooper **complex,** Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timişoara, Romania, p. 50
193. Manuela Crisan, Mihaela Petric, Gabriela Vlase, Titus Vlase, Paulina Bourosh, Anatolii V. Simine[3], Lilia Croitor, Thermal behaviour, structural and luminescent investigations of new protic ionic liquids based on diethylethanolamine and 4-nitrobenzoic aci**d,** Book of Abstracts CATCAR28 & MoldTAC2, 9-10 May 2019, Timişoara, Romania, p. 55
194. 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, Timişoara, Romania, p. 56
195. 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, Timişoara, Romania, p. 57
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202. 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, Timişoara, Romania, p. 75

203. 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, Timişoara, Romania, p. 76
204. 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
205. Gabriela URSUŢ, 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
206. Gabriela URSUŢ, 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
207. 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
208. 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
209. Bianca Baul, Denisa Circioban, Carmen Tomoroga, Adriana Ledeţi, Gabriela Vlase, Titus Vlase, Laura Sbârcea, Francisc Peter, Ionuţ Ledeţi, 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
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218. Mădălina Mateescu, Gabriela Vlase, Titus Vlase, Preparation and characterization of medicated jelly based on Ibuprofen or Ambroxol. 30th Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy CATCAR30 15-16 October 2021, Bucharest – Romania
219. Mihaela Budiul, Gabriela Vlase, Titus Vlase. *FTIR and thermal studies of medicated jellies with Topiramate.* 30th Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy CATCAR30 15-16 October 2021, Bucharest – Romania
220. Cosmina Bengescu, Adriana Ledeți, Tudor Olariu , Denisa Cîrcioban, Cornelia Muntean, Gabriela Vlase, Titus Vlase, Carmen Tomoroga, Anca Octavia Dragomirescu, Daniela Dascălu, Lenuța-Maria Șuta , Ionuț Ledeți, Instrumental investigations of promestriene - first report regarding the solid state characterization and compatibility with pharmaceutical excipients, 30th Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy CATCAR30 15-16 October 2021, Bucharest – Romania
221. Ionut-Mihai Tănase, Denisa Cîrcioban, Adriana Ledeţi, Gabriela Vlase, Titus Vlase, Laura Sbârcea, Lenuța-Maria Șuta, Germaine Săvoiu-Balint, Daniela Dascălu , Ionuţ Ledeţi, Instrumental screening of solid-state preformulation for two atypical antipsychotic agents: aripiprazole and risperidone, 30th Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy CATCAR30 15-16 October 2021, Bucharest – Romania
222. Ionut-Mihai Tănase, Denisa Cîrcioban, Adriana Ledeţi, Gabriela Vlase, Titus Vlase, Laura Sbârcea, Lenuța-Maria Șuta, Germaine Săvoiu-Balint, Daniela Dascălu, Ionuţ Ledeţi. Instrumental screening of solid-state preformulation for two atypical antipsychotic agents: aripiprazole and risperidone. 30th Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy CATCAR30 15-16 October 2021, Bucharest – Romania
223. Cosmina Bengescu, Adriana Ledeți, Tudor Olariu, Denisa Cîrcioban, Cornelia Muntean, Gabriela Vlase, Titus Vlase, Carmen Tomoroga, Anca Octavia Dragomirescu, Daniela Dascălu, Lenuța-Maria Șuta, Ionuț Ledeți. Instrumental investigations of promestriene - first report regarding the solid state characterization and compatibility with pharmaceutical excipients. 30th Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy CATCAR30 15-16 October 2021, Bucharest – Romania
224. Dorinel OKOLIŠAN, Titus VLASE, Gabriela VLASE, Preliminary study of κ-carrageenan based membranes for antiinflammatory drug delivery, Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 Split, Croatia. PS2.35, p. 177
225. Amalia – Ionela BRADU, Gabriela VLASE, Titus VLASE, Biopolymer membranes as drug release system for local anesthetics, Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 Split, Croatia. PS2.36, p. 178
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228. 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
229. 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

230. 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
231. Mihaela Maria BUDIUL, Mădălina MATEESCU, Titus VLASE, Gabriela VLASE, Thermoanalytical and spectroscopic studies on medicated jellies with perphenazine, , Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 Split, Croatia. PS3.18, p. 204
232. Vlazan P., Malaescu I., Marin C.N., Poienar M, VlaseG., Vlase T., Sfirloaga P. Revealing impact of Ga/Y doping on the thermal and electrical behavior in La MaO_3 ceramics materials, Book of Abstracts 1st Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS1), 26th & 30th of July 2022 Split, Croatia. PS3.28, p. 214.
233. 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.
234. 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.
235. 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
236. Gabriela Vlase, Alexandra Tăşală, 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.
237. Bianca CERNUSCA, Gabriela VLASE, Madalina MATEESCU, Mihaela Maria BUDIUL, Titus VLASE. Compatibility study between active substances from the sartans class with various excipients using multiple technics. P.96, Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023
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240. Adina-Elena SEGNEANU[1], Gabriela VLASE[*], Mihaela Simona CALINESCU (Bocanici)[3], Titus Vlase, Melinda CEPAN (Farago), Ioan GROZESCU. Performent engineered adsorbent for hexavent chromium from water solutionsp. P.130, Book of Abstracts of the 16th Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA 2023, Porto 17-23 iulie 2023
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250. 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
251. Dan VLASE, Gabriela VLASE, Gabriela URSUŢ, 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
252. 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.
253. Titus Vlase,Amalia Bradu, Gabriela Vlase. *Biopolymer membranes as drug release system for local anesthetics Oral Presentation 1* CATCAR32, Măgurele 3 nov. 2023
254. Gabriela-Alexandra URSUŢ, Florin MANEA, Emilian GHICIOI, Titus VLASE, Gabriela VLASE**,** Laura PITULICE, „*Relevarea cu un derivat de luminol și tehnica ATR-FTIR a urmelor latente de sânge, după alterarea lor chimică*" CONFERINŢA INTERNAŢIONALĂ DE ŞTIINŢE CRIMINALISTICE cu tema: „CRIMINALISTICA - PILONUL PRINCIPAL AL PROBAŢIUNII JUDICIARE ÎN PROCESUL PENAL ŞI CIVIL", Ediţia a XI-a, Bucureşti 2023.
255. Titus Vlase, Ionela-Amalia Bradu, Gabriela Vlase, Dan Vlase, Nicolae Doca, History of thermal analysis & thermal analysis of history, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
256. Oleg Petuhov, Titus Vlase, Ionela-Amalia Bradu, Nina Boldurescu, Tudor Lupașcu, Preparation and study of low-cost environmental pollution adsorbents from spent tyre, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
257. Adriana Ledeţi, Amalia Ridichie, Bianca Baul, Carmen Tomoroga, Gabriela Vlase, Titus Vlase, Ionuţ LEDEŢI, Thermolysis of four sartans: kinetic analysis based on thermogravimetric data, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.

258. Bianca Cernușcă, Gabriela Vlase, Ionela-Amalia Bradu, Titus Vlase, Thermal Stability and Kinetic Study Of Irbesartan, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
259. Ema Nițu, Ioana Mitrofan, Luciana Buliga, Amalia Ridichie, Adriana Ledeți, Cornelia Muntean, Gerlinde Rusu, Gabriela Vlase, Denisa Ivan, Carmen Tomoroga, Ionuţ Ledeți, Laura Sbârcea, The Influence Of Co-Solvent On Cyclodextrin Complexation: Study On Carvedilol, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
260. Iulia Gallo, Gabriela Vlase, Laura Pitulice, Ionela-Amalia Bradu, Mihaela-Maria Budiul, Titus Vlase, Preliminary Studies of Some New Possible Pharmaceutical Formulations With Drugs From The Anticoagulant Class, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
261. Alexandru Pahomi, Mihaela Budiul, Gabriela Vlase, Ionela-Amalia Bradu, Alexandra Tășală, Titus Vlase, Evaluation of Interactions Between Polymer-Gelatin Hydrogels And Propyphenazone, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
262. Ionela-Amalia Bradu, Mihaela Budiul, Gabriela Vlase, Mădălina Grădinaru, Alexandru Pahomi, Titus Vlase, Study of Polymer-Based Jellies for Antipyretic And Analgesic Drug, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
263. Madalina Mateescu[1,2], Elena-Alina Moacă[3,4]; Cristina Adriana Dehelean[3,4], Titus Vlase[1,2], Gabriela Vlase[1,2], Alex-Robert Jîjie, Comparison of The Biological Activity of the Arils, Seeds And Mixture Of Taxus Baccata, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
264. Adina Segneanu, Ionela-Amalia Bradu, Mihaela Maria Budiul, Gabriela Vlase, Titus Vlase, Physicochemical and antioxidant characterisation of a food supplement based on ginger (*zingiber officinale)*, in vitro evaluation, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
265. Adina-Elena Segneanu, Gabriela Vlase, Titus Vlase, Ionela-Amalia Bradu, Mihaela Maria Budiul, Insight into the physicochemical and thermal behavior of new microcarriers based on romanian wild-growing *inonotus obliquus*, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
266. Paula Sfirloaga, Gabriela Vlase, Titus Vlase, Ionel Balcu, Corina Macarie, Doru Buzatu, Experimental research on thermal-electrical behaviour of lanthanum manganite compounds, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
267. Diana Racanel, Vlad Chiriac, Gheorghe Ilia, Ionela-Amalia Bradu, Gabriela Vlase, Titus Vlase, Synthesis and characterization of some compounds organo-metallics based on phosphorus, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
268. Beatrice Vlad-Oros[1], Daniela Dascălu[1], Iarina Ion, Alexandru Pahomi, Ionela-Amalia Bradu, Gabriela Vlase, Titus Vlase, Immobilization of enzymes on chitosan hydrogels – synthesis, properties and applications, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
269. Dorinel Okolišan, Titus Vlase, Ionela-Amalia Bradu, Gabriela Vlase, Aurelian Gruin, Cornelia Baeră, Vlad Stanciu, Exploring the potential of black liquor as a reinforcing agent for modern adobe brick composites, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
270. Alexandra Tășală, Titus Vlase, Gabriela Vlase, Ionela-Amalia Bradu, Silvia Trion, Luisa- Maria Palade , Ana Diuța, The study of red pigments in powder form and mixed with binders using physical and chemical investigations, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
271. Alexandra Tășală, Titus Vlase, Gabriela Vlase, Ionela-Amalia Bradu, Silvia Trion, Luisa- Maria Palade, Ilie Matei Bujancă, A comparative study between blue pigments from original painting layers and contemporary replicas,

33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.

272. Alexandra Tășală, Titus Vlase, Gabriela Vlase, Ionela-Amalia Bradu, Alexandru Pahomi, Silvia Trion, Luisa Palade, Matei-Ilie BUJANCA, Thermal and hyphenated technics in the study of pigments used in paintings, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
273. Laura Pitulice, Gabriela Ursuti, Dan Vlase, Gabriela Vlase, Christian Jones, Titus Vlase, Statistical analysis of heritage objects data acquired by physico-chemical techniques, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
274. Beatrice Vlad-Oros, Denisa Pădurean, Alexandru Pahomi, Alexandra Tășală, Gabriela Vlase, Titus Vlase, Soil phosphate analysis of archaeological soil from Arad county, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
275. Ferencz Iosif Vasile, Cristian Constantin Roman, Cristian Mihăilescu, Mihaela Budiul, Ionela-Amalia Bradu, Gabriela Vlase, Titus Vlase, Dan Vlase, The use of multiple techniques in the investigation of some fragments of dacian ceramics, discovered near the dacian fortress of Alun-Piatra Roșie (Hunedoara county), 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
276. Titus Vlase, Gabriela Vlase, Dragoș Diaconescu, Victor Bunoiu, Dan Vlase, Ionela-Amalia Bradu, Mădălin Bunoiu[3], Bronze, faiance and unknown: analysis of late bronze age samples from the *Grămurada de la Jupani* site (Susani, Traian Vuia, Timis county, Romania) using hyphenated techniques, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
277. Dan Vlase, Vasile Diaconu, Titus Vlase, Gabriela Vlase, Ionela-Amalia Bradu, Paula Sfirloaga, Beyond The Mountains: Analysis of Bronze Age Pottery Samples from the Vânători-Neamț - *Valea Rea* Fortification (Vânători-Neamț, Neamț County, Romania) Using Multiple Analitic Techniques, 33rd Symposium "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), 17-18 October 2024, Timisoara, Romania.
278. Titus Vlase, Ioana-Diana Vlase, Gabriela Ursuţ, Dan Vlase, Ionela-Amalia Bradu, Paula Sfirloaga, Gabriela Vlase, Pottery and clay: analysis of early Eneolithic pottery and clay samples from the Ronaț-Triaj site (Timișoara, Timis County, Romania) using hyphenated techniques, XLV National Conference on Calorimetry, Thermal Analysis and applied Termodinamics, Caserta, December 9th-11th, 2024, p.78.
279. Dan VLASE, Gabriela VLASE, Gabriela URSUŢ, Paula SFIRLOAGA, Florin Manea, Titus VLASE, Multiple technique analysis of pottery and clay samples from the eneolithic settlement Șoimuș - Avicola site/ Șoimuș - Teleghi (Șoimuș, Hunedoara county, Romania), XLV National Conference on Calorimetry, Thermal Analysis and applied Termodinamics, Caserta, December 9th-11th, 2024, p.77.
280. Ferencz Iosif Vasile, Cristian Constantin Roman, Cristian Mihailescu, Mihaela Budiul, Ionela-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 Rosie, (Hunedoara County), XLV National Conference on Calorimetry, Thermal Analysis and applied Termodinamics, Caserta, December 9th-11th, 2024, p.75.
281. Gabriela Vlase, Bianca Cernusca, Ionela-Amalia Bradu, Titus Vlase, Thermal stability and kinetic study of sartan class drugs, XLV National Conference on Calorimetry, Thermal Analysis and applied Termodinamics, Caserta, December 9th-11th, 2024, p.76.
282. Adina - Elena Segneanu, Ionela-Amalia Bradu, Crina Sicoe, Gabriela Vlase, Titus Vlase, Micro-spray formulation of new microcarriers based on Romanian Wild-Growing Inonotus obliquus-Physicochemical Properties, In vitro evaluation, Seventh Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2024, 17-20 September 2024, Brasov, Romania.
283. Alexandru Pahomi, Ionela Amalia Bradu, Gabriela Vlase, Mihaela Budiul, Mădălin Bunoiu, Titus Vlase, The influence of the polymer matrix on the size of the hydroxyapatite particles, Seventh Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2024, 17-20 September 2024, Brasov, Romania.
284. Alexandru Pahomi, Ionela-Amalia Bradu, Gabriela Vlase, Mădălin Bunoiu, Mihaela Budiul, Vlase TitusSynthesis and characterization of some metals doped hydroxyapatite with different applications, Seventh Edition of

International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2024, 17-20 September 2024, Brasov, Romania

285. Alexandru Pahomi, Ionela Amalia Bradu, Mădălin Bunoiu, Gabriela Vlase, Titus Vlase, Desorption profile of local hemostatic carbazochrome loaded on chitosan-HA scaffolds, Seventh Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2024, 17-20 September 2024, Brasov, Romania
286. Ionela-Amalia Bradu, Camelia-Daniela Ionas, Mihaela Budiul, Gabriela Vlase, Titus Vlase, Physicochemical characterization of polymeric membranes with Riluzole for amyotrophic lateral sclerosis treatment, Seventh Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2024, 17-20 September 2024, Brasov, Romania
287. Ionela Amalia Bradu, Mihaela Simona Călinescu, Dorinel Okolisan, Mădălina Grădinaru, Gabriela Vlase, Titus Vlase, Absorption of phosphorus from water using hydrogels based on biopolymers, Seventh Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2024, 17-20 September 2024, Brasov, Romania
288. Ionela Amalia Bradu, Alexandra Tășală, Gabriela Vlase, Titus Vlase, Compatibility study for leflunomide delivery systems, Seventh Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2024, 17-20 September 2024, Brasov, Romania
289. Budiul Mihaela Maria, Vlase Gabriela, Bradu Ionela–Amalia, Grădinaru Mădălina, Pahomi Alexandru, Vlase Titus, Preformulation Studies Regarding Membranes Containing Active Pharmaceutical Ingredients with Analgesic and Antipyretic Activity, Seventh Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2024, 17-20 September 2024, Brasov, Romania
290. Vlase Titus, Ionela-Amalia Bradu, Mădălin Bunoiu, Gabriela Vlase, Microscopic (SEM, IR, Raman), spectroscopic and thermal methods for Micro and Nanoplastics characterization, Seventh Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2024, 17-20 September 2024, Brasov, Romania
291. Alexandra Tășală, Titus Vlase , Gabriela Vlase , Ionela-Amalia Bradu, Silvia Trion, Luisa- Maria Palade , Ana Diuța, Ilie Matei Bujancă, Red and Blue. Analytical methods used for data collecting and interpretation of painting layer composition belonging to polychrome cultural goods, Urban Body - Human Body.Bridging Heritage and Contemporary Art Faculty of Arts and Design, West University of Timisoara, Romania Cultural heritage as a driver of innovation and creativity, Conference November 27-28, 2024.
292. Florin MANEA, Emilian GHICIOI, Nicolae VLASIN, Titus VLASE, Maria PRODAN, Case study on the methane gas explosion effects on civil buildings, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
293. Amalia RIDICHIE, Adriana LEDEȚI, Denisa CÎRCIOBAN, Gabriela VLASE, Titus VLASE, Renata VĂRUȚ, Francisc PETER, Ionuţ LEDEȚI, Encapsulation of artemisinin and its derivatives by sulfobutylated β-cyclodextrin: physicochemical and molecular modelling studies, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
294. Amalia RIDICHIE, Adriana LEDEȚI, Denisa CÎRCIOBAN, Gabriela VLASE, Titus VLASE, Renata VĂRUȚ, Francisc PETER, Ionuţ LEDEȚI, Encapsulation of artemisinin and its derivatives by sulfobutylated β-cyclodextrin: physicochemical and molecular modelling studies, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
295. Bianca BAUL, Bianca BÎRZAVA-MILU, Emanuela NIȚU, Denisa CÎRCIOBAN, Adriana LEDEȚI, Gabriela VLASE, Titus VLASE, Renata VĂRUȚ, Francisc PETER, Ionuţ LEDEȚI, Binary systems containing carvedilol, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
296. Dan VLASE, Gabriela VLASE, Gabriela URSUȚ, Paula SFIRLOAGA, Florin Manea, Irina NALBOC, Titus VLASE, Pottery samples from the settlements and burial ground at Pecica – East site (Pecica, Arad County, Romania): analysis through hyphenated techniques, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
297. Dorinel OKOLIŠAN, Titus VLASE, Gabriela VLASE, Polysaccharide membranes as a delivery agent for local anesthetic drugs, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
298. Dan VLASE, Gabriela VLASE, Gabriela URSUȚ, Paula SFIRLOAGA, Florin Manea, Irina NALBOC, Titus VLASE, Pottery and clay samples from the Neo-Aeneolithic settlement Șoimuș - Avicola site/ Șoimuș - Teleghi

(Șoimuș, Hunedoara County, Romania): analyzed using hyphenated techniques, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.

299. Bianca CERNUSCA, Gabriela VLASE, Madalina MATEESCU, Mihaela Maria BUDIUL, Titus VLASE, Study of thermally induced interactions between active substances from the sartans class and various excipients, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
300. Alexandru PAHOMI, Amalia- Ionela BRADU, Titus VLASE, Gabriela VLASE, Gheorghe ILIA, The properties variation of hydroxyapatite dispersed into polymer matrix during thermal treatment, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
301. Madalina MATEESCU, Ionela-Amalia BRADU, Gabriela VLASE, Titus VLASE, Mihaela BUDIUL, Coagulant – antibiotic scaffold systems for dental application, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
302. Gabriela VLASE, Daniel NEGRU, Ionela-Amalia BRADU, Alexandra TASALA, Alexandru PAHOMI, Dorinel OKOLISAN, Titus VLASE, Mihaela Maria BUDIUL, Daniela JUMANCA, Paula SFIRLOAGA5 , Anamaria MATICHESCU, Composites with antibiotics, bisphosphonate and hydroxyapatite for dental applications, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
303. Claudia TEMEREANCĂ, Adriana LEDEȚI, Gabriela VLASE, Cristina TRANDAFIRESCU, Valentina BUDA, Denisa CÎRCIOBAN, Laura SBÂRCEA, Titus VLASE, Ionuț LEDEȚI, Kinetics of thermal degradation of pharma grade sulfobutylether sodium betacyclodextrin, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
304. Bianca BAUL, Denisa CÎRCIOBAN, Laura SBÂRCEA, Adriana LEDEȚI , Gabriela VLASE , Titus VLASE, Elisabeta ATYIM, Renata-Maria VĂRUŢ , Francisc PETER , Ionuț LEDEȚI, Instrumental investigations of telmisartan-aminoacids binary adducts, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
305. Laura SBÂRCEA , Bianca BAUL , Adriana LEDEȚI , Paul BARVINSCHI , Gabriela VLASE, Denisa CÎRCIOBAN , Lenuţa-Maria ŞUTA, Francisc PETER , Ionuț LEDEȚI, Heptakis(2,6-di-O-methyl)-β-cyclodextrin inclusion complex of olmesartan medoxomil. Compatibility with excipients, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
306. Ionela-Amalia BRADU , Mădălina MATEESCU, Gabriela VLASE, Titus VLASE, Transmucosal absorption of antibiotic-anesthetic polymer-based systems for dental use, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
307. Denisa CÎRCIOBAN, Ionuț LEDEȚI, Adriana LEDEȚI, Titus VLASE, Renata VĂRUT, Gabriela VLASE, Theoretical and instrumental approach for the development of co-crystals with mirtazapine and opipramol, 31st Symposium on Thermal Analysis and Calorimetry, Resita, Romania.
308. Gabriela Vlase, Adina Segneanu, Ionela-Amalia Bradu, Alexandru Pahomi, Titus Vlase, Physicochemical and antioxidant characterisation of a food supplement based on ginger (Zingiber officinale), in vitro evaluation, Conference & 10th V4 (Joint Czech-Hungarian-Polish-Slovak) Thermoanalytical Conference 24–27 June 2025, Budapest, Hungary.
309. Laura Pitulice, Gabriela Ursuti, Dan Vlase, Gabriela Vlase, Christian Jones, Titus Vlase, Physico-chemical techniques and statistical analysis of heritage objects data. Conference & 10th V4 (Joint Czech-Hungarian-Polish-Slovak) Thermoanalytical Conference 24–27 June 2025, Budapest, Hungary.
310. Alexandra Tășală, Titus Vlase, Gabriela Vlase, Alexandru Pahomi, Mihaela Maria Budiul, Silvia Trion, Luisa Palade, Matei-Ilie Bujanca , Study of blue pigments used in paintings: insights from thermal and hyphenated analytical techniques, Conference & 10th V4 (Joint Czech-Hungarian-Polish-Slovak) Thermoanalytical Conference 24–27 June 2025, Budapest, Hungary.
311. Alexandra Tășală, Titus Vlase, Gabriela Vlase, Silvia Trion, Alexandru Pahomi, Mihaela Maria Budiul, Luisa Palade, Ana Diuța, Characterization of red pigment mixtures with binders used in restorations through hyphenated techniques, Conference & 10th V4 (Joint Czech-Hungarian-Polish-Slovak) Thermoanalytical Conference 24–27 June 2025, Budapest, Hungary.
312. Gabriela Vlase, Dragoș Diaconescu, Victor Bunoiu, Dan Vlase, Ionela-Amalia Potinteu, Paula Sfîrloaga, Stefania Bărbuceanu, Titus Vlase, Bronze, faiance and unknown: analysis of late bronze age samples from the Grămurada De La Jupani site (Susani, Traian Vuia, Timis County, Romania) using thermal, microscopic and spectroscopic techniques, Conference & 10th V4 (Joint Czech-Hungarian-Polish-Slovak) Thermoanalytical Conference 24–27 June 2025, Budapest, Hungary.

313. Gabriela Vlase, Laura Pitulice, Ionela-Amalia Bradu, Mihaela-Maria Budiul, Iulia Gallo, Adelina Bucălaie, Titus Vlase, Preliminary studies of some pharmaceutical formulations with drugs from the anticoagulant class, Conference & 10th V4 (Joint Czech-Hungarian-Polish-Slovak) Thermoanalytical Conference 24–27 June 2025, Budapest, Hungary.
314. Madalina Gradinaru, Mihaela Budiul, Titus Vlase, Dorinel Okolišan, Alexandru Pahomi, Gabriela Vlase, Influence of environmental factors on the compatibility between prasugrel: excipients, Conference & 10th V4 (Joint Czech-Hungarian-Polish-Slovak) Thermoanalytical Conference 24–27 June 2025, Budapest, Hungary.
315. Alexandru Pahomi, Ionela – Amalia Potinteu, Gabriela Vlase, Mihaela Budiul, Paula Sfîrloagă, Gheorghe Ilia, Titus Vlase, Thermal treatment and polymer matrix diffusion effects on hydroxyapatite particle size evolution, Conference & 10th V4 (Joint Czech-Hungarian-Polish-Slovak) Thermoanalytical Conference 24–27 June 2025, Budapest, Hungary.
316. Mihaela Maria Budiul, Dorinel Okolišan, Gabriela Vlase, Titus Vlase, Mădălina Grădinaru, Alexandru Pahomi, Camelia Ionaș, Alexandra Tășală, Thermoanalytical and spectroscopic study of flunarizine dihydrochloride and binary mixtures of drug and excipients stored in extreme environments, Conference & 10th V4 (Joint Czech-Hungarian-Polish-Slovak) Thermoanalytical Conference 24–27 June 2025, Budapest, Hungary.
317. Mihaela Maria Budiul, Alexandru Pahomi, Gabriela Vlase, Titus Vlase, Mădălina Grădinaru, Dorinel Okolišan, Camelia Ionaș, Alexandra Tășală, Preformulation studies for antipyretic and analgesic drug in novel pharmaceutical formulation, Conference & 10th V4 (Joint Czech-Hungarian-Polish-Slovak) Thermoanalytical Conference 24–27 June 2025, Budapest, Hungary.

318. Beatrice Vlad-Oros, Laura Pitulice, Iarina Ion, Alexandru Pahomi, Ionela-Amalia Bradu, Gabriela Vlase, Titus Vlase, Physicochemical characterisation and applications of biocatalyst based on chitosan hydrogels, Conference & 10th V4 (Joint Czech-Hungarian-Polish-Slovak) Thermoanalytical Conference 24–27 June 2025, Budapest, Hungary.

iv. Lista cărţilor

1. Otilia Bizerea, Gabriela Jurca, “Elemente de Chimia Metalelor.Lucrări practice”, Ed. Mirton, Timişoara, 2000, ISBN: 973-585-242-X
2. N. Doca, T.Vlase, A.Chiriac,Gabriela Jurca, “Tehnologie Chimică Generală. Probleme propuse şi rezolvate”, Ed. Mirton, Timişoara, 2001, ISBN: 973-585-370-1
3. N. Doca,Gabriela Vlase, T. Vlase, “Poluarea –Cauze, efecte, limitare” Ed. Mirton, Timişoara, 2003, I.S.B.N.: 973-661-192-2.
4. N.Doca, T. Vlase, G.Vlase, “Elemente de cataliză eterogenă”, Ed. “MIRTON”. Timişoara 2007, (146 pagini), (ISBN 978-973-52-0239-2).
5. Gabriela Vlase, Nicolae Doca, Titus Vlase, “Elemente de chimie coordinativă”, Ed. “MIRTON”. Timişoara 2009, (156 pagini), ISBN 978-973-52-0580-5
6. Gabriela Vlase, Corina Duda-Seiman, Metode fizico-chimice de analiza a substanţelor cu activitate biologică, , Ed. Mirton, Timisoara 2012, ISBN: 978-973-52-1211-7 (70 pag.)
7. Titus Vlase, Gabriela Vlase, Nicolae Doca, “Poluanţi Anorganici: Surse, Analize, Diminuare” Ed. Mirton Timişoara 2012, ISBN: 978-973-52-1220-9 (150 pag.)

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

1. Contract C.N.C.Ş.U. 21/1998 4/28, cu titlul: “Transferul selectiv de energie între faza gazoasă şi cea solidă: aplicaţii la comportarea catalitică şi 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 şi cea solidă: aplicaţii la efectele de suport şi la descompunerea unor precursori complecşi.”(Director proiect Prof.dr.ing.N.Doca).
3. Contract 3525/2000 tema 12 cod 835”Transferul energetic selectiv interfazic; Aplicaţii privind efectul de suport şi 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 şi efectul de suport la descompunerea unor precursori,responsabil GRANT Vlase Titus.

6. Act adiţional 1/2001 la contract 6190/2000 GRANT tip T ANSTI, tema A1: Efectul de compensare şi 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 substanţelor de interes farmacologic şi alimentar”,(Director proiect Prof. dr.ing . N.Doca).

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

9. GRANT C.N.C.S.I.S. 2005, cod 869, „Stabilitatea termică a substanţelor de interes farmacologic şi 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 şi MEdC-UEFISCU (Cercetare de excelenţă pentru tineri-ET, cod proiect 148) cu denumirea Analiza cinetică a comportării termice a unor substanţe şi materiale cu acţiune 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 Timişoara al Academiei Române - CO, Universitatea de Vest din Timişoara - P1, Universitatea de Ştiinţe Agricole şi Medicină Veterinară a Banatului "Regele Mihai I al României” din Timişoara – P2, Republica Moldova - Institutul de Fizică Aplicată AŞM, 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 derivaţi carboxilici aromatici non-toxici cu rol în reglarea creşterii plantelor: de la sinteză şi investigaţii structurale la teste biologice, *Director proiect*: **dr. Manuela Crisan,** *Suma finantata pentru pentru ICT (CO):* 16.480 lei, *Perioada*: septembrie 2016- decembrie 2017.

15. Young Teams research project- PNII-RU-TE-2014-4-0515 “Neurodegeneration and brain diseases: A newinstrumental approach to analysis and development of pharmaceutical forms”.

16. 101131420 (PHENOCYCLES) 2024-2028, HORIZON-TMA-MSCA-SE, Reference: AMD-101131420-2;

17. Proiectul Start Grants „*Composites from Wool Keratin for Circular Applications*” este proiectul UNITA Starting Grants, ca membru in echipa, rezultat în urma aplicației depuse în cadrul call-ului pe tema Circular Economy and Environment,

18. Proiectul „*Innovating Education in Life Sciences – INNOEdu-LS*” este proiectul finanțat în urma call-ului de Teaching & Learning Grants.

Proiecte in interesul activitatii didactice: ca membru in echipe (Vezi tabelul atasat)

Domeniu	Funcție	Contract/Ore	Perioadă/Luni
INSTRUIRE PRIN STAGII DE PRACTICĂ SAU INTERNSHIP-URI RELEVANTE	Coordonator a1 si cfabvc	16920 - 10/03/2025(30_ore)	12/03/2025 - 31/10/2026(19_luni)
ROSE/11/CONV/16.12.2022	Lector chimie coordinativa	65490 - 28/09/2023(14_ore)	02/10/2023 - 29/02/2024(4_luni)
WEST SUMMER UNIVERSITY	Cadru didactic univ/exp inv	48156 - 19/07/2023(5_ore)	24/07/2023 - 31/07/2023
START IN CARIERA PRIN MASTER DIDACTIC	Expert formator/formator	15245 - 14/03/2022(30_ore)	15/03/2022 - 31/10/2022(7_luni)
WEST SUMMER UNIVERSITY	Cadru didactic univ/exp inv	35047 - 23/07/2021(2_ore)	01/09/2021 - 15/09/2021
WEST SUMMER UNIVERSITY	Cadru didactic univ/exp inv	34913 - 23/07/2021(3_ore)	26/07/2021 - 31/07/2021
CONSILIEREA ÎN CARIERA DE CALITATE – CHEIA PENTRU COMBATEREA ABANDONULUI UNIVERSITAR	Expert activitati remediale/expert inv	24857 - 31/05/2021(10_ore)	01/06/2021 - 31/07/2021(1_luni)
ACCES SI ECHITATE ÎN UNIVERSITAȚI. DEMERSURI ANTREPRENORIALE INOVATOARE PENTRU STUDENȚI ȘI CADRE DIDACTICE	Tutore studenti	62050 - 03/12/2020(42_ore)	04/12/2020 - 23/05/2021(5_luni)
18/SGU/PV/ROSE-WEST PETCU V	Conferentiar/expert invatamant	17183 /55 - 28/07/2017(5_ore)	31/07/2017 - 11/08/2017(1_luni)
POSCCE456 BOLCU CONSTANTIN "ADITIVI"	Lect	0 - 01/01/2100(_ore)	01/06/2011 - 01/07/2012(13_luni)

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 Timişoara, 6 (1997), 119-128
2. Vlase, T., Jurca Gabriela and Doca, N, "Study of the support effect by non-isothermal kinetics. II. Decomposition of ammonium metavanadate supported on silica", Annals of West Univ. of Timişoara, 6 (1997), 129-136
3. Vlase, T., Jurca Gabriela and Doca, N., "Study of the support effect by Non-isothermal kinetics. III. Molibdyc acid on carborundum and silica", Annals of West Univ. of Timişoara, Ser. Chem., 7 (1998), 1-6.
4. Vlase, T., Jurca Gabriela and Doca, N., "Study of the support effect by non-isothermal kinetics. IV. Support effect at the thermal decomposition of some catalyst precursors", Annals of West Univ. of Timişoara, Ser. Chem., 7 (1998), 7-14.
5. Vlase, T., Jurca Gabriela and Doca, N., "Study of the support effect by non-isothermal kinetics.V. Some criteria for deciding upon the support effect", Annals of West Univ. of Timişoara, Ser. Chem., 7 (1998), 15-22.
6. Vlase, T., Tudose, Ramona, Jurca Gabriela, Costişor Otilia and Doca, N.,"Non-isothermal decomposition kinetics of some complexes I. Thermal behavior of complexes containing Mannich-basis as ligands", Annals of West Univ. of Timişoara, Ser. Chem., 7 (1998), 23-30
7. Vlase, T., Jurca Gabriela, Doca, N.,"Support effect by non-isothermal decomposition of copper carboxilates", Annals of West Univ. of Timişoara, Ser. Chem., 10(2) (2001), 729-736.
8. Vlase,T., Jurca Gabriela, Doca, N.,"Non-isothermal kinetics by decomposition of some d and f metal carboxilates", Annals of West Univ. of Timişoara, Ser. Chem., 10(3) (2001), 951-954.

9. Vlase, T., Jurca Gabriela, Doca, N., "Compensation effect in the reaction of solids", Annals of West Univ. of Timişoara, Ser. Chem., 10(3) (2001), 955-956

10. Vlase, T., Vlase, G., Doca, N., "Specificity of energy transfer by non-isothermal conditions", Annals of West University of Timişoara, ser. chem, 11(1) (2002) 27 – 36

11. Vlase, T., Vlase, G., Chiriac, A., Doca, N., "Compensation effect by thermal decomposition of organic salts of some d and f metals", Annals of West University of Timişoara, ser. chem, 12(1) 2003, 23-32

12. Vlase, T.,Vlase, G., Doca, N., "Kinetic of non-isothermal decomposition of some pharmaceuticals and food additives", Annals of West University of Timişoara, ser. chem, 12(1) 2003, 15-22.

13. Vlase, T., Vlase, G., Chiriac, A., Doca, N., "Comparation of the kinetic parameter values obtaining by different procesing methods of the non-isothermal data", Annals of West University of Timişoara, ser. chem, 12(3) (2003) 301 – 304

14. Vlase, T., Vlase, G., Chiriac, A., Doca, N., "Processing of the TG data by using the NPK methods", Annals of West University of Timişoara, ser. chem, 12(3) (2003) 305 – 310

15. Vlase, T., Vlase, G., Chiriac, A., Doca, N., "NPK Methods in non-isothermal kinetics by decomposition of low alyphatic carboxilate of some d and f metals", Annals of West University of Timişoara, ser. chem, 12(3) (2003) 311 – 314.

16. Vlase, T., Vlase, G., Chiriac, A., Doca, N., "Kinetics of thermal decomposition of some food additives and pharmaceuticals under non-isothermal conditions", Annals of West University of Timişoara, ser. chem, 12(3) (2003) 315 – 320

17. Muntean Cornelia,Vlase, T., Vlase, G., Iovi A., "Non-isothermal kinertic of a phosphates and nitrates mixture used as fertilizer", Annals of West University of Timişoara, ser. chem, 12(3) (2003) 325 – 330

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 Timişoara, 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 Timişoara, ser. chem, 12(3) (2003) 321 – 324.

20. Băbăiţă Carmen, Vlase. T., Vlase Gabriela, "Kinetic Analysis on Thermal Decomposition of the Zinc Pyrofosphates Obtained from the System Na4P2O7-ZnSO4", Annals of West University of Timişoara, ser. chem, 12(1) (2003) 121.

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 Timişoara, 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 Timişoara, 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 Timişoara, ser. chem, 22(3,4) (2013) 11-21.

vii. Articole/studii publicate în volumele unor manifestări ştiinţifice naţionale cu participare internaţională 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, Galaţi, 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, Iaşi, (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, Iaşi. (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, Iaşi. (rezumat)

5. Vlase, T., Vlase, G., Chiriac, A., Doca, N., "Comparation of the kinetic parameter values obtaining by different procesing methods of the non-isothermal data", ROMPHYSCHEM 11, Timişoara 2-5 Sept. 2003

6. Vlase, T., Vlase, G., Chiriac, A., Doca, N., "Processing of the TG data by using the NPK methods",ROMPHYSCHEM 11, Timişoara 2-5 Sept. 2003

7. 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", ROMPHYSCHEM 11, Timişoara 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", ROMPHYSCHEM 11, Timişoara 2-5 Sept. 2003

9. Muntean Cornelia,Vlase, T., Vlase, G., Iovi A., "Non-isothermal kinertic of a phosphates and nitrates mixture used as fertilizer", ROMPHYSCHEM 11, Timişoara 2-5 Sept. 2003

10. Muntean Cornelia,Vlase, T., Vlase, G., Negrea P., "Comparison between isothermal and non- isothermal decomposition of some nitrates-phosphates fertilizers", ROMPHYSCHEM 11, Timişoara 2- 5 Sept. 2003

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Din 2005 Referințe: JTAC, Thermochimica Acta, J. of Chemical & Engineering Data, Ind. & Eng.Chemistry Research, Pharmaceutics, Pharmaceuticals, Polymers, Antioxidants….
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Data: **Semnătura**

SEptembrie. 2026 ***Prof. Dr.chim. Gabriela Vlase Dr. Habil***