

Lista lucrărilor publicate

1. Articole publicate *in extenso* indexate ISI Web of Science

1. Host–Guest Complexation of Itraconazole with Cyclodextrins for Bioavailability Enhancement
By: **Șuta Lenuța-Maria**, Ridichie Amalia, Ledetî Adriana, Temereancă Claudia, Ledetî Ionuț, Muntean Delia, Rădulescu M, Văruț RM, Watz C, Crăineanu F, Ivan D, Vlase G, Stelea L
PHARMACEUTICS 2024, Volume: 16, Issue:4, Pages: 560-580, ISSN: 1999-4923, IF 4.9
2. Study of the complexation behavior of tenoxicam with cyclodextrins
By: **Lenuța-Maria Șuta**, Lavinia Vlaia, V. Vlaia, Ioana Olariu, Daniel I. Hădărugă, Constantin Mircioiu
FARMACIA 2012, Volume: 4 Issue: 60 Pages: 475-483, ISSN 0014-8237, IF 0,578
3. Ketoprofen–cysteine equimolar salt. Synthesis, thermal analysis, PXRD and FTIR spectroscopy investigation
By: Adriana Fuliaș, Gabriela Vlase, Ionuț Ledetî, **Lenuța-Maria Șuta**
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 2015, Volume: 121, Issue: 3, Pages: 1087-1091, DOI 10.1007/s10973-015-4516-1, ISSN 1388-6150, IF 1.781
4. Study Regarding the Behaviour of Encapsulated Piroxicam in Liquid Media
By: **Lenuța-Maria Șuta**, I. Ledetî, Liana Suci, D. Hadaruga, Adriana Fulias, Ionela Belu
REVISTA DE CHIMIE 2015, Volume: 66 Issue: 5 Pages: 718-721, ISSN 0034-7752, IF 0.956
5. Comparative thermal stability of two similar-structure hypolipidemic agents - Simvastatin and Lovastatin-kinetic study
By: Ionuț Ledetî, Gabriela Vlase, Titus Vlase, Adriana Fuliaș, **Lenuța-Maria Șuta**
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 2016, Volume: 121, Issue: 3, Pages: 769-775
DOI 10.1007/s10973-015-5071-5; ISSN 1388-6150; IF 1.953
6. Solid State Stability of Cholesterol-Preliminary kinetic analysis
By: **Lenuța-Maria Șuta**, Gabriela Vlase, Titus Vlase, T. Olariu, Ionuț Ledetî, Ionela Belu, Codruț Ivan, Cristian-Andrei Sarau, G. Săvoiu-Balint, Lavinia Stelea, Adriana Ledetî
REVISTA DE CHIMIE 2016, Volume: 67 Issue 1 Pages: 113-115, ISSN 0034-7752, IF 1.232
7. Thermal Characterization of Cholesterol in Air vs. Nitrogen Atmosphere
By: **Lenuța-Maria Șuta**, Gabriela Vlase, Titus Vlase, G. Săvoiu-Balint, T. Olariu, Ionela Belu, Adriana Ledetî, Marius Sorin Murariu, Lavinia Stelea, Ionuț Ledetî
REVISTA DE CHIMIE 2016, Volume: 67 Issue 1 Pages: 84-86, ISSN 0034-7752, IF 1.232
8. Solid-state preformulation studies of amiodarone hydrochloride
By: Adriana Ledetî, Gabriela Vlase, Titus Vlase, V. Bercean, Marius S. Murariu, Ionuț Ledetî, **Lenuța-Maria Șuta**
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 2016, Volume: 126, Issue: 1, Pages: 181-187
DOI: 10.1007/s10973-016-5256-6, ISSN 1388-6150; IF 1.953
9. Solid-State Thermal Behaviour of Cholic Acid
By: **Lenuța-Maria Șuta**, Gabriela Vlase, Adriana Ledetî, Titus Vlase, P. Matusz, Cristina Trandafirescu, Denisa Cîrcioban, S. Olariu, C. Ivan, Marius Sorin Murariu, Lavinia Stelea, Ionuț Ledetî
REVISTA DE CHIMIE 2016, Volume: 67 Issue 2 Pages: 329-331, ISSN 0034-7752, IF 1.232
10. Multivariate statistical analysis regarding the formulation of oxicam-based pharmaceutical hydrogels
By: **Șuta, Lenuța-Maria**, Tudor, A., Sandulovici, C.R., Stelea, L., Hădărugă, D., Mircioiu, C., Balint, G.S.
REVISTA DE CHIMIE, 2017, Volume: 68 Issue 4, Pages: 726-731, ISSN 0034-7752, IF 1.412
11. Binary adduct formation of desipramine with dicarboxylic acids An instrumental study
By: Adriana Ledetî, Gabriela Vlase, Titus Vlase, Denisa Cîrcioban, Cristina Dehelean, Ionuț Ledetî, **Lenuța-Maria Șuta**
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 2018, Volume: 131, Pages: 167-173, DOI: 10.1007/s10973-016-5967-8; ISSN 1388-6150, IF 2.471
12. Betulonic acid – Study of thermal degradation by kinetic approach
By: Ionuț Ledetî, Vasile Bercean, Gabriela Vlase, Titus Vlase, Adriana Ledetî, **Lenuța-Maria Șuta**
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 2016, Volume: 125, Issue: 1, Pages: 785-791
DOI: 10.1007/s10973-016-5299-8, ISSN 1388-6150, IF 1.953
13. Thermal stability of synthetic thyroid hormone L-thyroxine and L-thyroxine sodium salt hydrate both pure and in pharmaceutical formulations
By: Ionuț Ledetî, Adriana Ledetî, Gabriela Vlase, Titus Vlase, P. Matusz, V. Bercean, **Lenuța-Maria Șuta**, Doina Piciu
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14. Synthesis and Solid-State Characterization of Zn(II)Metal Complex with Acetaminophen
By: Ionuț Ledetși, G. Simu, G. Vlase, G. Savoii, Titus Vlase, **Lenuta-Maria Suta**, C. Popoiu, A. Fuliș
REVISTA DE CHIMIE 2013, Volume: 64, Issue: 10, Pages: 1127-1130, ISSN 0034-7752, IF 0,677
15. Microwave – assisted Synthesis of Local Anaesthetic Procaine from Benzocaine
By: G. Noditși, Ionuț Ledetși, G. Simu, **Maria-Lenuta Suta**, D. Onetiu, Adriana Fuliș
REVISTA DE CHIMIE 2014, Volume: 65 Issue: 1, Pages: 65-67, ISSN 0034-7752, IF 0.810
16. Ni(II) Coordination Compound with Acetaminophen Synthesis and Characterization
By: Ionuț Ledetși, G. Simu, G. Vlase, T. Vlase, T. Olariu, G. Săvoiu, **Lenuta-Maria Suta**, C. Popoiu, Adriana Fuliș
REVISTA DE CHIMIE 2014, Volume: 65 Issue: 5, Pages: 556-559, ISSN 0034-7752, IF 0.810
17. Alternative Synthesis of Paracetamol and Aspirin under Non-conventional Conditions
By: Tudor Olariu, **Lenuta-Maria Suta**, C Popoiu, Ionuț V. Ledetși, G. M. Simu, G. Săvoiu-Balint, Adriana Fuliș
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18. Investigation on the Thermal-Induced Degradation of Transitional Coordination Complexes Containing (3H-2-thioxo-1,3,4-thiadiazol-5-yl)Thioacetate Moiety
By: Maria Ilici, V. Bercean, Monica Venter, Ionuț Ledetși, T. Olariu, **Lenuta-Maria Suta**, Adriana Fuliș
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19. Synthesis and Degradation of Schiff Bases Containing Heterocyclic Pharmacophore
By: Ledetși Ionuț; Alexa Anda; Bercean Vasile; Vlase Gabriela; Vlase Titus; **Suta Lenuta-Maria**; Fuliș Adriana
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 2015, Volume: 16 Issue: 1 Pages: 1711-1727 IF 3,257;
20. Preparation and antibacterial properties of substituted 1,2,4-triazoles
By: I. Ledetși, V. Bercean, A. Alexa, C. Șoica, **Lenuta-Maria Suta**, C. Dehelean, C. Trandafirescu, D. Muntean, M. Licker, A. Fuliș
Journal of Chemistry 2015, ISSN 2090-9063, IF 0.996
21. Analysis of Solid Binary Systems Containing Simvastatin
By: Ledetși Ionuț; Vlase Gabriela; Ciucanu Ionel; Olariu Tudor; Fuliș Adriana; **Suta Lenuta-Maria**; Belu Ionela
REVISTA DE CHIMIE 2015, Volume: 66 Issue: 2, Pages: 240-243, ISSN 0034-7752, IF 0.956
22. Instrumental Analysis of Potential Lovastatin – excipient Interactions in Preformulation Studies
By: Ionuț Ledetși, G. Vlase, T. Vlase, I. Ciucanu, T. Olariu, A. Todea, Adriana Fuliș, **Lenuta-Maria Suta**
REVISTA DE CHIMIE 2015, Volume: 66, Issue: 6, Pages: 879-882, ISSN 0034-7752, IF 0.956
23. Local anesthetic agents. Part III. Study of solid dosage forms with pharmaceutical excipients
By: Amina R. Popovici, G. Vlase, T. Vlase, **Lenuta-Maria Suta**, C. Popoiu, I. Ledetși, G. Iovănescu, A. Fuliș
REVISTA DE CHIMIE 2015, Volume: 66, Issue: 7, Pages: 1046-1051, ISSN 0034-7752, IF 0.956
24. Screening and characterization of cocrystal formation between carbamazepine and succinic acid,
By: Adriana Fuliș, Gabriela Vlase, Titus Vlase, **Lenuta-Maria Suta**, Codruța Șoica, Ionuț Ledetși,
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DOI 10.1007/s10973-015-4473-8, ISSN 1388-6150, IF 1.781
25. Evaluation Study of the Inclusion Complexes of Some Oxicams with 2-hydroxypropyl-β-cyclodextrin
By: **Lenuta-Maria Suta**, L. Vlaia, Adriana Fuliș, Ionuț Ledetși, D. Hădărugă, C. Mircioiu
REVISTA DE CHIMIE 2013, Volume: 64 Issue: 11 Pages: 1279-1283, ISSN 0034-7752, IF 0,677
26. Selection of solid-state excipients for simvastatin dosage forms through thermal and nonthermal techniques
By: Ionuț Ledetși, Gabriela Vlase, Titus Vlase, **Lenuta-Maria Suta**, Anamaria Todea, Adriana Fuliș
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DOI 10.1007/s10973-015-4832-5, ISSN 1388-6150, IF 1.781
27. Solid-State Characterization and Biological Activity of Betulonic Acid Derivatives
By: Ionuț Ledetși, Stefana Avram, Vasile Bercean, Gabriela Vlase, Titus Vlase, Adriana Ledetși, Istvan Zupko, Marius Mioc, **Lenuta-Maria Suta**, Codruța Șoica and Cristina Dehelean
MOLECULES 2015, 20, 22691–22702; doi:10.3390/molecules201219876; ISSN 1420-3049; IF 2.465
28. Synthesis and physico-chemical characterization of theophylline-succinic acid binary adduct
By: Denisa Cîrcioban, Cristina Dehelean, **Lenuta-Maria Suta**, Marius Murariu, Gabriela Vlase, L. Niță, Codruța Șoica, Adriana Fuliș
REVISTA DE CHIMIE 2015, Volume: 66 Issue: 12 Pages: 1982-1985, ISSN 0034-7752, IF 0.956
29. Preliminary Kinetic Study for Heterogenous Degradation of Cholesterol - Containing Human Biliary Stones
By: Codruț Ivan#, **Lenuta-Maria Suta**#, T. Olariu#, I. Ledetși, G. Vlase, T. Vlase, S. Olariu, P. Matusz, A. Fuliș,
REVISTA DE CHIMIE 2015, Volume: 66 Issue: 8 Pages: 1253-1255, ISSN 0034-7752, IF 0.956
30. Thermal degradation, kinetic analysis, and apoptosis induction in human melanoma for oleanolic and ursolic acids
By: Adriana Fuliș, Ionuț Ledetși, Gabriela Vlase, Titus Vlase, Codruța Șoica, Cristina Dehelean, Camelia Oprean, Florina Bojin, **Lenuta-Maria Suta**, Vasile Bercean, Stefana Avram
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DOI10.1007/s10973-015-5052-8; ISSN 1388-6150; IF 1.953
31. Embedding of Biliary Calculi in Plastic Materials - A viable solution for increasing their mechanical resistance during sampling
By: **Lenuta-Maria Suta**, P. Matusz, Adriana Ledetși, Codruț Ivan, Marius Murariu, Mircea-C. Sora, Ionuț Ledetși

- MATERIALE PLASTICE 2016, Volume: 53 Issue 1 Pages: 19-22, ISSN 0025/5289, IF 0,778
32. Study on the influence of some formulation variables and ageing on W₁/O/W₂ double emulsions stability by rheological measurements
By: Lavinia Ursica, V. Vlaia, G. Coneac, **Lenuta-Maria Miclea**, A. Hegheș, Ioana Olariu
FARMACIA 2009, Volume: LVII Issue: 1, Pages: 65-73, ISSN 0014-8237, IF 0,144
 33. Thermal Stability of Desipramine and Imipramine
By: Adriana Ledeti, Gabriela Vlas, Ionuț Ledeti, Titus Vlas, Petru Matusz, Cristina Dehelean, Denisa Cîrcioaban, Lavinia Stelea, **Lenuta-Maria Șuta**
REVISTA DE CHIMIE 2016, Volume: 67 Issue 2 Pages: 336-338, ISSN 0034-7752, IF 1.232
 34. Investigation of thermal-induced decomposition of iodoform
By: Ionuț Ledeti, Marius Murariu, G. Vlas, Titus Vlas, N. Doca, Adriana Ledeti, **Lenuta-Maria Șuta**, Tudor Olariu
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 2017, Volume: 127, Issue: 1, Pages: 565-570,
DOI: 10.1007/s10973-016-5368-z, ISSN 1388-6150, IF 2.209
 35. Topical W/O/W double emulsions of piroxicam: in vitro drug release
By: Lavinia Vlaia, V. Vlaia, **Lenuta-Maria Miclea**, Ioana Olariu, G. Coneac
FARMACIA 2009, Volume: 5 Issue: 57, Pages: 639-647, ISSN 0014-8237, IF 0,144
 36. Preformulation Studies for Albendazole A DSC and FTIR analysis of binary mixtures with excipients
By: Cristina Trandafirescu, Codruța Șoica, Adriana Ledeti, Florin Borcan, **Lenuta-Maria Șuta**, Marius Murariu, Cristina Dehelean, Daniela Ionescu, Ionuț Ledeti
REVISTA DE CHIMIE 2016, Volume: 67 Issue 3, Pages: 463-467, ISSN 0034-7752, IF 1.232
 37. Non-isothermal Isoconversional Kinetic Study Regarding the Degradation of Albendazole
By: Ionuț Ledeti, Gabriela Vlas, Titus Vlas, Marius Murariu, Cristina Trandafirescu, **Lenuta-Maria Șuta**, Cristina Dehelean, Adriana Ledeti, Codruța Șoica
REVISTA DE CHIMIE 2016, Volume: 67 Issue 3, Pages: 549-552, ISSN 0034-7752, IF 1.232
 38. Synthesis and Solid-state Characterization of a Cobalt(II) Triazolic Complex
By: Ionuț Ledeti, T. Vlas, G. Vlas, **Lenuta-Maria Șuta***(corresponding author), Adriana Fuliș, Ionela Belu
REVISTA DE CHIMIE 2014, Volume: 65 Issue: 8, Pages: 897-902, ISSN 0034-7752, IF 0.810
 39. Characterization of Pharmaceutical Acetylsalicylic Acid-theophylline Cocrystal Obtained by Slurry Method Under Microwave Irradiation
By: Adriana Fuliș, Codruța Șoica, Ionuț Ledeti, T. Vlas, Gabriela Vlas, **Lenuta-Maria Șuta***(corresponding author), Ionela Belu
REVISTA DE CHIMIE 2014, Volume: 65 Issue: 11, Pages: 1281-1284, ISSN 0034-7752, IF 0.810
 40. Compatibility study between antiparkinsonian drug Levodopa and excipients by FTIR spectroscopy, X-ray diffraction and thermal analysis
By: Ledeti I., Bolintineanu S., Vlas, G., Cîrcioaban D. Ledeti, A., Vlas, T., **Șuta Lenuta-Maria**, Caunii, A., Murariu M
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 2017, Volume: 130(1), Pages: 433-441, ISSN 1388-6150, IF 2.209
 41. Evaluation of solid-state thermal stability of donepezil in binary mixtures with excipients using instrumental techniques
By: Ledeti I., Bolintineanu S., Vlas G., Cîrcioaban D., Dehelean C., **Șuta LM**, Caunii A., Ledeti A., Vlas T., Murariu M.
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 42. Preformulation studies for nortriptyline: Solid-state compatibility with pharmaceutical excipients
By: Ledeti I, Budiul M, Matusz P, Vlas G, Cîrcioaban D, Dehelean C, **Șuta LM**, Caunii A, Ledeti A, Vlas T, Murariu M, Bolintineanu S,
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 43. Study of solid-state degradation of prochlorperazine and promethazine
By: Ledeti Ionuț; Pusztai A.M.; Muresan C. M; Cîrcioaban Denisa; Vlas G.; Murariu Marius; **Șuta Lenuta-Maria**; Vlas Titus; Ledeti Adriana; Suciu Oana, Buda V.; Matusz Petru
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 2018, 134(1), 731-740, ISSN 1388-6150, IF 2.471
 44. Study of kinetic characteristics of 6-ethyl chenodeoxycholic acid and deoxycholic acid decomposition in non-isothermal conditions
By: Ledeti Ionuț; Pusztai A.M.; Muresan C.M; Cîrcioaban Denisa; Vlas G.; Axente C.; **Șuta Lenuta-Maria**; Vlas Titus; Matusz Petru, Ledeti Adriana; Suciu O., Buda V.; Murariu Marius
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 45. Instrumental analysis and molecular modelling of inclusion complexes containing artesunate
By: Cîrcioaban D, Ledeti I, **Șuta LM**, Vlas G, Ledeti A, Vlas T, Varut R, Sbarcea L, Trandafirescu C, Dehelean C, ,
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 46. Instrumental investigations of promestriene: first report regarding the solid-state characterization and compatibility with pharmaceutical excipients
By: Bengescu Cosmina; Ledeti Adriana; Olariu Tudor; Cîrcioaban Denisa; Muntean Cornelia; Vlas Gabriela; Vlas Titus;

Tomoroga Carmen; Dragomirescu Anca Octavia; Dascalu Daniela; **Suta Lenuța-Maria**; Ledeti Ionut; Murariu Marius
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47. Preparation and characterisation of inclusion complexes of meloxicam and α -cyclodextrin and β -cyclodextrin
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FARMACIA 2010, Volume: 5 Issue: 58 Pages: 583-593, ISSN 0014-8237, IF 0,850

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1. Formulation and quality evaluation of some hydrogels containing piroxicam 1% or meloxicam 0,5%
Lenuța-Maria Miclea, Lavinia Vlaia, V. Vlaia, C. Mircioiu
J. Agroalim. Proc. Technol., indexată BDI, 16(1), 2010, 7-12, ISSN 1453-1399
2. Water content of oxiam/cyclodextrin nanoparticles
Lenuța-Maria Șuta, Lavinia Vlaia, V. Vlaia, Nicoleta G. Hădărugă, Daniel I. Hădărugă, C. Mircioiu
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3. Compuși bioactivi (hepatoprotectoare sau anti-inflamatoare xenobiotice)/ciclodextrine nanoparticule: studiu comparativ
Daniel I. Hădărugă, Nicoleta G. Hădărugă, **Lenuța-Maria Miclea**, Lavinia Vlaia, Constantin Mircioiu
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4. Evaluarea stabilității termice a unor emulsii duble H/L/H cu piroxicam prin determinări reologice
Lavinia Vlaia, V. Vlaia, Ioana Olariu, Alina Hegheș, **Lenuța-Maria Miclea**, Georgeta Coneac
Rev Med Chir Soc Med Nat Iași, 2009, indexată MEDLINE, 3(113), 921-926, ISSN 0048-7848
5. Preparation of stable water in oil in water multiple emulsions using hydroxyethylcellulose and Carbopol 940 in the external aqueous phase
Irina Voican, C. Bolcu, Lavinia Urșica, **Lenuța-Maria Miclea**
Annals of West University of Timisoara Series of Chemistry 2010, 19(1), 71-82, ISSN 1224-9513
6. Solid-State Characterization of Mupirocin and Metronidazole
Amalia Ridichie, Adriana Ledeti, Denisa Ivan, Carmen Tomoroga, Laura Sbârcea, **Lenuța-Maria Șuta**, Răzvan Bertici, Anca Dragomirescu, Florentin Crăineanu, Ionuț Ledeti
Timisoara Med. 2023, (Issue 2), 3; doi:10.35995/tmj20230203.

3. Rezumate științifice

1. Silybin, rutin and their fatty acid bioconjugate/cyclodextrin complexes as potential hepatoprotective agents. a karl fisher water titration approach
Daniel I. Hădărugă, Noemi Santa, Cătălina Chera, **Lenuța Maria Șuta**, Gerlinde Rusu, Nicoleta G. Hădărugă, Heinz-Dieter Isengard
8th International Conference on Water in Food – Timisoara, 25-27 Mai 2014, p. 48, ISBN 978-606-569-796-6
2. Kinetic study of betulonic acid
Adriana Fuliaș, Ionuț Ledeti, **Lenuța-Maria Șuta**, Gabriela Vlase, Titus Vlase
31 august- 4 septembrie 2014, Istanbul, Turcia, 5th EuCheMS Chemistry Congress, P-G:F-005, p. 1452
3. Ketoprofen-cysteine cocrystal – synthesis, thermal analysis and FTIR spectroscopy investigation
Adriana Fuliaș, Gabriela Vlase, **Lenuța-Maria Șuta**, Codruța Șoica, Titus Vlase, Ionuț Ledeti
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4. Screening and characterization of cocrystal formation of carbamazepine with succinic acid
Adriana Fuliaș, Gabriela Vlase, **Lenuța-Maria Șuta**, Codruța Șoica, Titus Vlase, Ionuț Ledeti
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5. Solid-state evaluation of compatibility between simvastatin and pharmaceutical excipients
Ionuț Ledeti, Gabriela Vlase, Titus Vlase, **Lenuța-Maria Șuta**, Anamaria Todea, Ionel Ciucanu, Adriana Fuliaș
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6. Kinetic study regarding the decomposition of pravastatin-active substance and tablet
Ionuț Ledeti, Gabriela Vlase, Titus Vlase, **Lenuța-Maria Șuta**, Anamaria Todea, Ionel Ciucanu, Adriana Fuliaș
XXXVI National Congress on Calorimetry, Thermal Analysis and Applied Thermodynamics, AICAT 2014, Cagliari (Sardinia), Italy, September 8-13 2014, T3P8, p.81
7. Theophylline:succinic acid 2:1 cocrystals obtained by slurry grinding
Adriana Fulias, Gabriela Vlase, Titus Vlase, Alin Mogos, **Lenuța-Maria Șuta**, Ionut Ledeti

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8. Thermal degradation of two pentacyclic triterpene acids: oleanolic and ursolic. Kinetic study
Adriana Fuliș, Gabriela Vlase, Titus Vlase, **Lenuta-Maria Suta**, Ionuț Ledeti
Proceedings of the 12th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2015) Girona, 17-19 June 2015, p. 25, ISBN: 13-978-84-606-8873-0
 9. Search of interaction indicators in binary mixtures of Pravastatin sodium with pharmaceutical excipients
I. Ledeti, G. Vlase, A. Fuliș, **L.-M. Suta**, P. Albu, I. Ciucanu, T. Vlase
3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC3) 25-28 August 2015, Ljubljana, Slovenia, p. 400; ISBN 978-3-940237-34-7
 10. Is oxo group a stabilising or destabilising moiety in pentacyclic triterpenoid structure?
I. Ledeti, G. Vlase, A. Fuliș, **L.-M. Suta**, P. Albu, C. Șoica, C. Dehelean, T. Vlase
3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC3) 25-28 August 2015, Ljubljana, Slovenia, p. 401; ISBN 978-3-940237-34-7
 11. Application of thermal analysis, DSC and FTIR study in the compatibility testing of amiodarone hydrochloride with different pharmaceutical excipients used in tablets formulations. Solid-state characterization
A. Fuliș, G. Vlase, T. Vlase, **L. Suta**, I. Ledeti
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 12. Kinetic study under non-isothermal conditions and comparative thermal behavior of three tricyclic antidepressants with similar structure
A. Fuliș, G. Vlase, T. Vlase, **L.-M. Suta**, I. Ledeti
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 13. Solid-state characterization of bicalutamide in binary mixtures with pharmaceutical excipients – an investigation by thermal and spectroscopic methods
I. Ledeti, G. Vlase, T. Vlase, **L.-M. Suta**, I. Ciucanu, A. Fuliș
12th Conference on Calorimetry and Thermal Analysis of the Polish Society of Calorimetry and Thermal Analysis (PTKAT), Zakopane, Poland, 6-10 September 2015, p. 434; ISBN 978-83-7784-684-1
 14. Physico-chemical analysis of new synthetic derivatives from triterpenoid class
Adriana Fuliș, Ionuț Ledeti, Gabriela Vlase, **Lenuta-Maria Suta**, Titus Vlase
Book of Abstracts of Joint Event Fourth World Conference on Physico-Chemical Methods in Drug Discovery and Development & First World Conference on ADMET and DMPK, 21-24 September 2015, Red Island, Croatia, PP28, p. 68
 15. Employment of hyphenated techniques for analysis of betulin-type compounds
Ionuț Ledeti, Gabriela Vlase, **Lenuta-Maria Suta**, Titus Vlase, Adriana Fuliș
Book of Abstracts of Joint Event Fourth World Conference on Physico-Chemical Methods in Drug Discovery and Development & First World Conference on ADMET and DMPK, 21-24 September 2015, Red Island, Croatia, PP30, p. 70
 16. Comparative thermal stability of statins
Ionuț Ledeti, Gabriela Vlase, Titus Vlase, **Lenuta-Maria Suta**, Ionel Ciucanu, Adriana Fuliș
Book of Abstracts of Joint Event Fourth World Conference on Physico-Chemical Methods in Drug Discovery and Development & First World Conference on ADMET and DMPK, 21-24 September 2015, Red Island, Croatia, PP29, p. 69
 17. Binary mixtures of desipramine and excipients – compatibility studies
Adriana Ledeti, Gabriela Vlase, Titus Vlase, Denisa Circioban, Cristina Dehelean, **Lenuta-Maria Suta**, Ionut Ledeti,
XXXVIII National Congress On Calorimetry, Thermal Analysis And Applied Thermodynamics - AICAT-GICAT- September 25-28, 2016, Ischia (NA), Italy, pg. 61
 18. Solid-state characterization of levodopa – preformulation studies
Adriana Ledeti, Gabriela Vlase, Titus Vlase, Denisa Circioban, Cristina Dehelean, **Lenuta-Maria Suta**, Ionut Ledeti, -
XXXVIII National Congress On Calorimetry, Thermal Analysis And Applied Thermodynamics - AICAT-GICAT- September 25-28, 2016, Ischia (NA), Italy, pg. 62
 19. Study of compatibility of donepezil and pharmaceutical excipients
Ionut Ledeti, Gabriela Vlase, Titus Vlase, Cristina Dehelean, Denisa Circioban, **Lenuta-Maria Suta**, Adriana Ledeti
XXXVIII National Congress On Calorimetry, Thermal Analysis And Applied Thermodynamics - AICAT-GICAT- September 25-28, 2016, Ischia (NA), Italy, pg. 63
 20. Nortriptyline-kinetic approach of thermal degradation
Ionut Ledeti, Gabriela Vlase, Titus Vlase, Cristina Dehelean, Denisa Circioban, **Lenuta-Maria Suta**, Adriana Ledeti,
XXXVIII National Congress On Calorimetry, Thermal Analysis And Applied Thermodynamics - AICAT-GICAT- September 25-28, 2016, Ischia (NA), Italy, pg. 64.
 21. Screening of Binary Adduct Formation of Desipramine with Different Carboxylic Acids
Lenuta M. Suta, Gabriela Vlase, Ionuț Ledeti, Titus Vlase, Adriana Ledeti, , 25th Symposium on Thermal Analysis and Calorimetry – Eugen Segal, 15th april 2016, Bucharest, Romania, ISBN 978-606-11-5369-5, Book of abstracts p. 74.
 22. Nortriptyline - Study of Solid-State Compatibility with Pharmaceutical Excipients

- Ionuț Ledetji, Gabriela Vlas, Adriana Ledetji, **Lenuța M. Șuta**, Titus Vlas, 25th Symposium on Thermal Analysis and Calorimetry – Eugen Segal, 15th april 2016, Bucharest, Romania, ISBN 978-606-11-5369-5, Book of abstracts p. 73.
23. Kinetic Study in Class of Three Tricyclic Antidepressants: Amitriptyline, Desipramine and Imipramine
Adriana Ledetji, Gabriela Vlas, **Lenuța M. Șuta**, Titus Vlas, Ionuț Ledetji, 25th Symposium on Thermal Analysis and Calorimetry – Eugen Segal, 15th april 2016, Bucharest, Romania, ISBN 978-606-11-5369-5, Book of abstracts p. 72.
 24. Thermal analysis and kinetic study of deprenyl hydrochloride
Adriana Ledetji, Denisa Cîrcioban, Gabriela Vlas, Angelica Caunii, **Lenuța-Maria Șuta**, Titus Vlas, Ionuț Ledetji, 4th Central and Eastern European Committee for Thermal Analysis and Calorimetry – CEEC-TAC4, 28-31 August 2017, Chișinău, Republic of Moldova, CEEC-TAC4 Book of abstracts 978-3-940237-47-7
 25. Thermal analysis and kinetic study of prochlorperazine and promethazine
Ionuț Ledetji, Denisa Cîrcioban, Gabriela Vlas, Marius Murariu, Adriana Ledetji, **Lenuța-Maria Șuta**, Titus Vlas, 4th Central and Eastern European Committee for Thermal Analysis and Calorimetry – CEEC-TAC4, 28-31 August 2017, Chișinău, Republic of Moldova, CEEC-TAC4 Book of abstracts 978-3-940237-47-7
 26. Preformulation studies for selection of excipients for cholinesterase inhibitor tacrine
Ionuț Ledetji, **Lenuța-Maria Șuta**, Marius Murariu, Denisa Cîrcioban, Gabriela Vlas, Adriana Ledetji, Titus Vlas, Preformulation studies for selection of excipients for cholinesterase inhibitor tacrine, 4th Central and Eastern European Committee for Thermal Analysis and Calorimetry – CEEC-TAC4, 28-31 August 2017, Chișinău, Republic of Moldova, CEEC-TAC4 Book of abstracts 978-3-940237-47-7
 27. Thermal analysis and kinetic study of 6-ethyl chenodeoxycholic acid and deoxycholic acid
Marius Murariu, Ionuț Ledetji, Denisa Cîrcioban, Gabriela Vlas, Carmen Axente, **Lenuța-Maria Șuta**, Titus Vlas, Adriana Ledetji, 4th Central and Eastern European Committee for Thermal Analysis and Calorimetry – CEEC-TAC4, 28-31 August 2017, Chișinău, Republic of Moldova, CEEC-TAC4 Book of abstracts 978-3-940237-47-7
 28. Thermal stability of Benserazide as pure compound and in binary mixture with Levodopa vs. commercial pharmaceutical formulation
Adriana Ledetji, Denisa Cîrcioban, Gabriela Vlas, Marius Murariu, Ionuț Ledetji, **Lenuța-Maria Șuta**, Titus Vlas, 14th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta 2017), 24-27 September 2017, Loano (SV), Italy; Medicta 2017 Book of abstracts
 29. Comparative thermal analysis and kinetic study of Apomorphine and Cabergoline
Adriana Ledetji, Denisa Cîrcioban, Gabriela Vlas, Angelica Caunii, **Lenuța-Maria Șuta**, Titus Vlas, Marius Murariu, Ionuț Ledetji, 14th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta 2017), 24-27 September 2017, Loano (SV), Italy; Medicta 2017 Book of abstracts
 30. Preformulation studies for selection of excipients for Ursodeoxycholic acid
Ionuț Ledetji, Adriana Ledetji, **Lenuța-Maria Șuta**, Marius Murariu, Gabriela Vlas, Denisa Cîrcioban, Titus Vlas, 14th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta 2017), 24-27 September 2017, Loano (SV), Italy; Medicta 2017 Book of abstracts, P.71
 31. Solid-state compatibility study between prednisone and pharmaceutical excipients
Adriana Ledetji, Denisa Cîrcioban, Gabriela Vlas, Titus Vlas, Anca Dragomirescu, **Lenuța-Maria Șuta**, Cornelia Muntean, Bianca Baul, Ionuț Ledetji
5th Central and Eastern European Conference on Thermal Analysis and Calorimetry & 14th Mediterranean Conference on Calorimetry and Thermal Analysis, 27-30 August 2019, Roma, Italy. Book of Abstracts CEEC-TAC5&Medicta 2019 ISBN 978-3-940237-59-0, PS2.085, p.375
 32. Thermal analysis and molecular modelling of inclusion complexes containing artesunate
Denisa Cîrcioban, Ionuț Ledetji, **Lenuța-Maria Șuta**, Gabriela Vlas, Adriana Ledetji, Titus Vlas, Renata Văruț, Cristina Dehelean
5th Central and Eastern European Conference on Thermal Analysis and Calorimetry & 14th Mediterranean Conference on Calorimetry and Thermal Analysis, 27-30 August 2019, Roma, Italy. Book of Abstracts CEEC-TAC5&Medicta 2019 ISBN 978-3-940237-59-0, PS2.086, p.376
 33. Aripiprazole-heptakis(2,6-di-O-methyl)-B-cyclodextrin inclusion complex. Compatibility studies with pharmaceutical excipients
Ionuț-Mihai Tănase, Laura Sbârcea, Adriana Ledetji, Paul Barvinschi, Gabriela Vlas, **Lenuța-Maria Șuta**, Ionuț Ledetji
5th Central and Eastern European Conference on Thermal Analysis and Calorimetry & 14th Mediterranean Conference on Calorimetry and Thermal Analysis, 27-30 August 2019, Roma, Italy. Book of Abstracts CEEC-TAC5&Medicta 2019 ISBN 978-3-940237-59-0, PS2.096, p.386
 34. Preformulation studies for aripiprazole and risperidone – an instrumental approach,
Ionuț Tănase, Denisa Cîrcioban, Adriana Ledetji, Gabriela Vlas, **Șuta Lenuța-Maria**, Laura Sbârcea, Titus Vlas, Daniela Dascălu, Ionuț Ledetji, XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics 27 - 28 January, 2021, Udine, Italy, ISBN 9788836230396, pg. 139-140, <http://aicat2020.uniud.it>
 35. Iron Oxide Nanoparticles: An Advanced Screening Employing Three-Dimensional (3D) Reconstructed Human Epidermal Model
Claudia Geanina Watz, Elena-Alina Moacă, Ioana Zinuca Pavel, **Lenuța Maria Șuta**, Mirela Nicolov, Felicia Loghin, Cristina Adriana Dehelean, 18th International Conference on Nanosciences & Nanotechnologies (NN21), 6-9 July 2021, Thessaloniki, Greece, <https://www.nanotextnology.com>

36. Efectul anti-aging a unor formulări topice cu ulei de *oenothera biennis*
Sonia Arleziana Căruntu, **Șuta Lenuța Maria**, Conferința Științifico-Practică Națională cu Participare Internațională „Actualități și perspective în studiul farmaceutic al plantelor medicinale”, 01-02 Octombrie 2021, Chișinău, Republica Moldova
37. Solid-state characterization of micophenolic acid
Ionuț-Valentin Ledet, Gabriela Vlase, Titus Vlase, **Lenuța-Maria Șuta**, Ionel Ciucanu, Adriana Fuliș
Proceedings of International Conference and Expo on Drug Discovery & Designing, Frankfurt, Germany, vol.4, Issue 2, 11-13 August, 2015, pg. 48, ISSN 2169-0138
38. Antioxidant Activity of Capsicum Extracts and Their Complexes with β -Cyclodextrin
Hegheș A., CA Dehelean, **Lenuța-Maria Șuta**, NG Hădărugă, A Fuliș, DI Hădărugă
Volum de rezumate al Congresului Național de Farmacie din România cu participare internațională, ediția a XV-a, 2014, Iași, România, 24-27 septembrie 2014, pg.247; ISBN 978-606-544-252-8
39. In Vitro Release Study of Tenoxicam from Hydrogels
Șuta L.M., Belu I., Vlaia L.L., Fuliș A., Ledet I., Hegheș A., Trandafirescu M.C., Suciu L., Oprean C., Mircioiu C.
Volum de rezumate al Congresului Național de Farmacie din România cu participare internațională, ediția a XV-a, 2014, Iași 24-27 septembrie 2014, pg.281-282, ISBN 978-606-544-252-8
40. New Formulations with Oleanolic and Ursolic Acids Applied in Antitumor and Antimicrobial Medication
Camelia Oprean, F. Borcan, C. Șoica, C. Danciu, Delia Muntean, C. M. Trandafirescu, M. Mioc, **Lenuța-Maria Șuta**, C. A. Dehelean
Volum de rezumate al Congresului Național de Farmacie din România cu participare internațională, ediția a XV-a, 2014, Iași 24-27 septembrie 2014, pg. 287, ISBN 978-606-544-252-8
41. Betulin: Chemical Esterification for Therapeutical Purposes
Iulia Pînzaru, C. M. Trandafirescu, Z. Szabadai, M. Mioc, **Lenuța-Maria Șuta**, C. A. Dehelean, C. Șoica
Volum de rezumate al Congresului Național de Farmacie din România cu participare internațională, ediția a XV-a, 2014, Iași 24-27 septembrie 2014, pg. 59, ISBN 978-606-544-252-8
42. The Pharmacokinetics of Metoprolol from Prolonged Pharmaceutical Dosage Forms
Ionela Belu, **Lenuța-Maria Șuta**, Ani S. Sevestre, Oana E. Nicolaescu
Volum de rezumate al Congresului Național de Farmacie din România cu participare internațională, ediția a XV-a, 2014, Iași 24-27 septembrie 2014, pg. 406, ISBN 978-606-544-252-8
43. Evaluation of Antihypertensive Treatment Efficacy Using the Predictive Markov Model
L. Suciu, M. Tomescu, L. Udrescu, M. Voicu, **Lenuța-Maria Șuta**, M. Udrescu, V. Buda, C. Cristescu
Volum de rezumate al Congresului Național de Farmacie din România cu participare internațională, ediția a XV-a, 2014, Iași 24-27 septembrie 2014, pg. 191, ISBN 978-606-544-252-8
44. Comparative Preliminary Evaluation of Some Lupan-Derived Triterpenic Acids
Camelia Oprean, M. Mioc, **Lenuța-Maria Șuta**, F. Borcan, C. Șoica, C. A. Dehelean
Volum de rezumate al Congresului Național de Farmacie din România cu participare internațională, ediția a XV-a, 2014, Iași 24-27 septembrie 2014, pg. 203, ISBN 978-606-544-252-8
45. Experimental modeling of new pharmaceutical formulation. Part 1. Pravastatin and excipients
Ledet I, Vlase G, Vlase T, **Șuta LM**, Ciucanu I, Todea A, Fuliș A
Molecular Modeling in Chemistry and Biochemistry, 13-15 november 2014, Cluj-Napoca, Romania, P-8, p.40
46. The role of experimental design for obtaining co-crystals in pharmaceutical technology
Fuliș A, Vlase G, Șoica C, **Șuta LM**, Ledet I.
Molecular Modeling in Chemistry and Biochemistry, 13-15 november 2014, Cluj-Napoca, Romania, P-9, p.41
47. Instrumental analysis of polyphenolic chemical profile of different types of propolis from Sibiu region, Romania
Lenuța-Maria Șuta, Ionuț Ledet, Adriana Fuliș, Ionela Belu, Camelia Oprean, Liana Suciu, Codruța Șoica
International Workshop of the Ro-Fr bilateral project PNII-CT-789, 10 July 2015, Timișoara, Romania, p. 48; ISBN 978-606-8456-67-6
48. Comparative extraction of Betulin from *Betula pendula* Roth outer bark from two different European Regions
Ionuț Ledet, Adriana Fuliș, Codruța Șoica, **Lenuța-Maria Șuta**, Cristina Dehelean
International Workshop of the Ro-Fr bilateral project PNII-CT-789, 10 July 2015, Timișoara, Romania, p. 27; ISBN 978-606-8456-67-6
49. Heterogenous degradation of ursolic acid
Adriana Fuliș, **Lenuța-Maria Șuta**, Cristina Dehelean, Codruța Șoica, Ionuț Ledet
International Workshop of the Ro-Fr bilateral project PNII-CT-789, 10 July 2015, Timișoara, Romania, p. 42; ISBN 978-606-8456-67-6
50. Thermal stability of 3-oxolup-20(29)-en-28-oic acid
Ionuț Ledet, Codruța Șoica, **Lenuța-Maria Șuta**, Cristina Dehelean, Adriana Fuliș
International Workshop of the Ro-Fr bilateral project PNII-CT-789, 10 July 2015, Timișoara, Romania, p. 43; ISBN 978-606-8456-67-6
51. TG/DTG/HF characterization of oleanolic acid in oxidative atmosphere
Adriana Fuliș, **Lenuța-Maria Șuta**, Codruța Șoica, Cristina Dehelean, Ionuț Ledet
International Workshop of the Ro-Fr bilateral project PNII-CT-789, 10 July 2015, Timișoara, Romania, p. 44;

ISBN 978-606-8456-67-6

52. EGA as complementary tool in establishing the mechanism of decomposition for naturally-occurring compounds
Ionuț Ledetși, Cristina Dehelean, Codruța Șoica, **Lenuța-Maria Șuta**, Adriana Fuliș
International Workshop of the Ro-Fr bilateral project PNII-CT-789, 10 July 2015, Timișoara, Romania, p. 45;
ISBN 978-606-8456-67-6
53. Biotin stability under non-isothermal condition
Adriana Fuliș, Codruța Șoica, Cristina Dehelean, **Lenuța-Maria Șuta**, Ionuț Ledetși
International Workshop of the Ro-Fr bilateral project PNII-CT-789, 10 July 2015, Timișoara, Romania, p. 46;
ISBN 978-606-8456-67-6
54. Thermal stability of standardised *Camellia sinensis* spray-dried extract
Cosmina Bengescu, Anca Octavia Dragomirescu, Adriana-Violeta Ledetși, **Lenuța-Maria Șuta**, Denisa Cîrcioban, Carmen Axente, Bianca Baul, Cristina Dehelean, Ionuț-Valentin Ledetși
Workshop "Siguranța produselor pe bază de plante medicinale", 22-23 noiembrie 2018, Timișoara, Romania, Book of Abstracts, ISBN 978-606-786-104-4, p. 13
55. Preparation and characterization of inclusion complexes of *Ledum* oil with several cyclodextrins
Claudia Olteanu, Adriana-Violeta Ledetși, Anca Octavia Dragomirescu, **Lenuța-Maria Șuta**, Denisa Cîrcioban, Carmen Axente, Bianca Baul, Cristina Dehelean, Ionuț-Valentin Ledetși
Workshop "Siguranța produselor pe bază de plante medicinale", 22-23 noiembrie 2018, Timișoara, Romania, Book of Abstracts ISBN 978-606-786-104-4, p. 35
56. Preliminary characterization of some loaded polyurethanes used as adsorbents for bioactive compounds from plant extracts
Ionuț-Mihai Tănase, Adriana-Violeta Ledetși, Anca Octavia Dragomirescu, **Lenuța-Maria Șuta**, Denisa Cîrcioban, Carmen Axente, Florin Borcan, Cristina Dehelean, Ionuț-Valentin Ledetși
Workshop "Siguranța produselor pe bază de plante medicinale", 22-23 noiembrie 2018, Timișoara, Romania, Book of Abstracts ISBN 978-606-786-104-4, p. 44
57. *In vitro* release study of tenoxicam from hydrogels based on carbomer
Lenuța-Maria Șuta, Adriana Ledetși, Ionuț Ledetși, Anca Dragomirescu, Denisa Cîrcioban, Lavinia Stelea, Constantin Mircioiu
The 12th Edition of the Biopharmacy-Pharmacokinetics&Industrial Pharmacy Symposium, 8 November 2019, Cluj-Napoca, România, Medicine and Pharmacy Reports Supplement No. 5, Vol. 92, 2019, e-ISSN 2668-1250, p-ISSN 2602-0815, P4, p.S41
58. Preliminary evaluation of solid state stability of promestriene
Ionuț-Valentin Ledetși, Cosmina Bengescu, Denisa Cîrcioban, Valentina Buda, **Lenuța-Maria Șuta**, Oana Suci, Marius Murariu, Anca Dragomirescu, Gabriela Vlase, Titus Vlase, Adriana Ledetși
The 12th Edition of the Biopharmacy-Pharmacokinetics&Industrial Pharmacy Symposium, 8 November 2019, Cluj-Napoca, România, Medicine and Pharmacy Reports Supplement No. 5, Vol. 92, 2019, e-ISSN 2668-1250, p-ISSN 2602-0815, P12, p.S48
59. Shelf-life evaluation of a synthetic progestogen derivative in binary mixtures
Adriana Ledetși, Denisa Cîrcioban, **Lenuța-Maria Șuta**, Anca Dragomirescu, Carmen Tomoroga, Marius Murariu, Oana Suci, Gabriela Vlase, Titus Vlase, Ionuț-Valentin Ledetși
The 12th Edition of the Biopharmacy-Pharmacokinetics&Industrial Pharmacy Symposium, 8 November 2019, Cluj-Napoca, România, Medicine and Pharmacy Reports Supplement No. 5, Vol. 92, 2019, e-ISSN 2668-1250, p-ISSN 2602-0815, P18, p.S53
60. Ternary systems containing naproxen, omeprazole and functionalized cyclodextrins – preformulation study
Lenuța-Maria Șuta, Anca Dragomirescu, Lavinia Stelea, Denisa Cîrcioban, Oana Suci, Marius Murariu, Gabriela Vlase, Titus Vlase, Adriana Ledetși, Ionuț-Valentin Ledetși
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61. Dezvoltarea și evaluarea unor noi microemulsii-gel pentru eliberarea dermică a clorhidratului de propranolol
Lavinia Vlaia, **Lenuța-Maria Șuta**, V. Vlaia, Ioana Olariu, C. Ilie, Georgeta Coneac, Alina Hegheș
Actualități și perspective în cercetarea farmaceutică, Craiova 2012, pg. 39-40, ISBN 978-606-11-2833-4
62. Influența variabilelor de formulare asupra cedării meloxicamului din hidrogeluri,
Șuta Lenuța-Maria, Belu Ionela, Vlaia Lavinia, Fuliș Adriana, Ledetși I., Mircioiu C.
Zilele U.M.F. din Craiova a XLIV-a ediție, 6-7 iunie 2014, pg. 422, ISSN 1843-2441
63. Influența promotorilor de absorbție asupra eliberării piroxicamului din hidrogeluri pe bază de carbomer
Șuta Lenuța-Maria, Belu Ionela, Fuliș Adriana, Ledetși I., Vlaia Lavinia, Mircioiu C.
Zilele U.M.F. din Craiova a XLV-a ediție 5-6 iunie 2015, pg. 413, ISSN 1843-2441
64. Elaborarea și validarea metodei analitice de identificare și determinare a capsaicinei
Costinescu Felicia, Neamțu J., Averis Larisa-M. E., Belu Ionela, **Șuta Lenuța-Maria**
Zilele U.M.F. din Craiova a XLV-a ediție 5-6 iunie 2015, pg. 415, ISSN 1843-2441

65. Istoria descoperirii și proiectării medicamentului (drug desing)
By: T. Olariu, Lavinia Urșica, V. Vlaia, **Lenuța-Maria Miclea**, M. Butur, Georgeta Coneac, D. Ciubotariu
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66. Preparation and characterization of inclusion complexes between tenoxicam and β -cyclodextrin
By: **Lenuța-Maria Miclea**, Lavinia Vlaia, V. Vlaia, D. I. Hădărugă, I. Olariu, G. Coneac, C. Mircioiu
Acta Medica Marisiensis, 56(2), 2010, pg. 35; ISSN 2068-3324
67. The study of lidocaine hydrogels based on carbomer
By: Lavinia Vlaia, Zoltán Szabadai, I. Olariu, G. Coneac, **Lenuța-Maria Miclea**, A. Hegheș D. Lupuleasa
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68. The study of oral mucoadhesive tablets containing inclusion complexes between chrysine-rich propolis extracts and some cyclodextrines
By: Georgeta Coneac, Eliza Gafițanu, Lavinia Vlaia, Daniel Hădărugă, Ioana Olariu, **Lenuța Maria Miclea**, Alina Hegheș
Acta Medica Marisiensis, 56(2), 2010, pg. 84; ISSN 2068-3324
69. Studiul statistic al influenței unor factori de formulare asupra caracteristicilor hidrogelurilor cu oxicami,
By: **Șuta L. M.**, Vlaia L., Vlaia V., Suciu L., Coneac G., Olariu I., Mircioiu C.,
Actualități și perspective în cercetarea farmaceutică, 2012, pg. 90; ISBN 978-606-11-2833-4
70. Studiul solubilității fluconazolului în amestecuri de polietilenglicol 400, propilenglicol și apă,
By: Coneac G., Vlaia L., Vlaia V., Olariu I., **Șuta L.M.**, Trandafirescu C., Hegheș A.,
Actualități și perspective în cercetarea farmaceutică, Craiova, 2012, pg. 56; ISBN 978-606-11-2833-4
71. Osteoporoza primară în populația geriatrică: aspecte clinice și terapeutice
By: Suciu L., Cristescu C., Balaș M., Voicu M., Suciu M., Grădinaru R., **Miclea M.**,
Actualități și perspective în cercetarea farmaceutică, Craiova, 2012, pg. 84; ISBN 978-606-11-2833-4
72. Analiza proprietăților reologice ale unor organogeluri hidrofile pe bază de carbopol,
By: Olariu I., Vlaia L., **Șuta L.M.**, Coneac G., Hegheș A., Vlaia V.,
Actualități și perspective în cercetarea farmaceutică, Craiova, 2012, pg. 73; ISBN 978-606-11-2833-4
73. Kinetic study in class of three tricyclic antidepressants: Amitriptyline, Desipramine and Imipramine,
By: Adriana Ledetș, Gabriela Vlas, **Lenuța Șuta**, Titus Vlas, Ionuț Ledetș,
Book of Abstract of the 25th Symposium on Thermal Analysis and Calorimetry – Eugen SEGAL, 15 aprilie 2016 Bucharest, România 2016, pg. 72; ISBN 978-606-11-5369-5
74. Obtaining of inclusion complexes of itraconazole with cyclodextrins for bioavailability
By: **Lenuta Maria Șuta**; Adriana Ledetș; Lavinia Stelea; Denisa Cîrcioaban; Delia Muntean; Claudia Watz; Gabriela Vlas;
Daniela Stoin; Titus Vlas; Ionuț Ledetș;
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75. Host-guest interactions and formation of ternary inclusion complexes naproxen:omeprazole:cyclodextrins
By: **Lenuța-Maria Șuta**, Amalia Ridiche, Adriana Ledetș, Lavinia Stelea, Denisa, Cîrcioaban, Gabriela Vlas, Daniela Stoin,
Laura Sbârcea, Titus Vlas, Laurian Vlas, Ionuț Ledetș
13th European Symposium on Thermal Analysis and Calorimetry, 19-22 September 2022, Palermo, Italy 2022, Book of abstract, pag. 148

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