INFORMAŢII PERSONALE

IONUŢ-VALENTIN LEDEŢI

Piaţa Eftimie Murgu nr.2, Timişoara, 300041, România

ionut.ledeti@umft.ro

Skype ionutledeti

POZIŢIA

Profesor universitar doctor abilitat în cadrul disciplinei de Chimie fizică şi fizică farmaceutică, Facultatea de Farmacie, UMF „Victor Babeş" Timişoara, șef de catedră

EXPERIENŢA PROFESIONALĂ

Septembrie 2020-prezent

Profesor universitar doctor în cadrul disciplinei de Chimie fizică şi fizică farmaceutică, Facultatea de Farmacie, UMF „Victor Babeş" Timişoara

Universitatea de Medicină şi Farmacie „Victor Babeş" din Timişoara, Facultatea de Farmacie, Departamentul I, Disciplina Chimie fizică, Piaţa Eftimie Murgu nr. 2, 300041 Timişoara, Timiş, România, Tel. +40 256 204 476, www.umft.ro

- Cursuri predate (studenţilor Facultăţii de Farmacie): titularul cursurilor de Chimie fizică I și II; Bazele fizico-chimice ale preformulării medicamentului; Proiectarea medicamentului; Polimorfismul substanţelor medicamentoase.
- Activităţi didactice: coordonarea lucrărilor de laborator la disciplina Chimie fizică

Tipul sau sectorul de activitate Învăţământ superior şi cercetare

Septembrie 2024-prezent

Membru CNATDCU (Comisia Națională de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare), Comisia CHIMIE

Gen. Berthelot 28-30, Sector 1, Bucureşti RO-010168, Romania, +40 214056206, www.cnatdcu.ro

- Principalele activitați și responsabilitați: Analiza tezelor de doctorat și a tezelor de abilitare

Tipul sau sectorul de activitate Învăţământ superior

Aprilie 2018-prezent

Dr. Habil., Conducător de doctorat în domeniul Chimie

Universitatea „Politehnica" din Timişoara, Facultatea de Chimie Industrială şi Ingineria Mediului, Piaţa Victoriei nr. 2, 30006, Timişoara, Timiș, România, Tel: +40 256 403069; Fax: +40 256 403060; www.upt.ro

- Domeniul de cercetare: Tehnici de screening fizico-chimic complex a unor compuşi de interes farmaceutic şi cu potenţială activitate biologică

Tipul sau sectorul de activitate Învăţământ superior şi cercetare

Septembrie 2015-August 2020

Conferenţiar universitar doctor în cadrul disciplinei de Chimie fizică, Facultatea de Farmacie, UMF „Victor Babeş" Timişoara

Universitatea de Medicină şi Farmacie „Victor Babeş" din Timişoara, Facultatea de Farmacie, Departamentul I, Disciplina Chimie fizică, Piaţa Eftimie Murgu nr. 2, 300041 Timişoara, Timiş, România, Tel. +40 256 204 476, www.umft.ro

- Cursuri predate (studenţilor Facultăţii de Farmacie): titularul cursurilor de Chimie fizică I și II; Bazele fizico-chimice ale preformulării medicamentului; Proiectarea medicamentului; Polimorfismul substanţelor medicamentoase.
- Activităţi didactice: conducerea lucrărilor de laborator la disciplinele Chimie fizică I şi II; Principii de Chimie fizică I şi II;

Tipul sau sectorul de activitate Învăţământ superior şi cercetare

Martie 2013-Septembrie 2015

Şef de lucrări doctor

Universitatea de Medicină şi Farmacie „Victor Babeş" din Timişoara, Facultatea de Farmacie, Departamentul I, Disciplina Chimie fizică, Piaţa Eftimie Murgu nr. 2, 300041 Timişoara, Timiş, România, Tel. +40 256 204 476, www.umft.ro

- Activităţi didactice: titularul cursului de Chimie fizică II; Principii de Chimie fizică I
- Activităţi didactice: conducerea lucrărilor de laborator la disciplinele Chimie fizică I şi II; Principii de Chimie fizică I şi II;

Tipul sau sectorul de activitate Învăţământ superior şi cercetare

Septembrie 2011-Martie 2013

Asistent universitar doctor

Universitatea de Medicină şi Farmacie „Victor Babeş" din Timişoara, Facultatea de Farmacie, Departamentul I, Disciplina Chimie fizică, Piaţa Eftimie Murgu nr. 2, 300041 Timişoara, Timiş, România, Tel. +40 256 204 476, www.umft.ro

- Conducerea seminarelor de „Metodologia cercetării ştiinţifice farmaceutice"
- Conducerea lucrărilor practice de Chimie fizică I şi II

Tipul sau sectorul de activitate Învăţământ superior şi cercetare

Februarie 2009-Septembrie 2011

Preparator universitar doctorand/doctor

Universitatea de Medicină şi Farmacie „Victor Babeş" din Timişoara, Facultatea de Farmacie, Departamentul I, Disciplina Chimie fizică, Piaţa Eftimie Murgu nr. 2, 300041 Timişoara, Timiş, România, Tel. +40 256 204 476, www.umft.ro

- Conducerea lucrărilor practice de Chimie fizică I şi II

Tipul sau sectorul de activitate Învăţământ superior şi cercetare

EDUCAŢIE ŞI FORMARE

Iunie 2017-Aprilie 2018

Teză de abilitare

Nivel EQF 8

Universitatea „Politehnica" din Timișoara, Facultatea de Chimie Industrială şi Ingineria Mediului, Piaţa Victoriei nr. 2, 30006, Timişoara, Timiș, România, Tel: +40 256 403069; Fax: +40 256 403060; www.upt.ro

- Teză de abilitare în domeniul CHIMIE (depusă în 22 iunie 2017, susținută în 8 decembrie 2018), cu titlul „Tehnici de screening fizico-chimic complex a unor compuși de interes farmaceutic şi cu potențială activitate biologică". Atestatul de abilitare obținut prin OMEN nr. 3367/22.03.2018, respectiv dobândirea calității de conducător de doctorat în domeniul Chimie în IOSUD UPT, conform deciziei 542/112/C din 23.04.2018

Mai 2014-Septembrie 2015

Studii Postdoctorale

Nivel EQF 8

Universitatea de Vest din Timişoara, Facultatea de Fizică, Bulevardul Vasile Pârvan nr. 4, Timişoara, România, Tel. +40 (0) 256 592 108; www.uvt.ro

- Proiect de cercetare obţinut prin competiţie: Studiul interacţiunilor induse termic la compuşi bioactivi prin tehnici hifenate şi complementare. Finanţator: POSDRU/159/1.5/S/137750

Octombrie 2010-Septembrie 2011

Master în Farmacie

Nivel EQF 7

Universitatea de Medicină şi Farmacie „Victor Babeş" din Timişoara, Facultatea de Farmacie, Piaţa Eftimie Murgu nr.2, 300041 Timişoara, România
Tel. +40 (0) 256 204 476, www.umft.ro

- Program masteral: Formularea şi evaluarea produsului dermato-cosmetic, coordonator: Prof.univ.dr. Anca-Octavia Dragomirescu
- Tema disertaţiei: Modelarea prin relaţii QSAR a permeabilităţii pielii la diverşi agenţi chimici; coordonator ştiinţific: Prof.univ.dr. Ludovic Kurunczi

Octombrie 2007-Noiembrie 2010

Doctorat în Chimie

Nivel EQF 8

Universitatea „Politehnica" din Timişoara, Facultatea de Chimie Industrială şi Ingineria Mediului, Piaţa Victoriei nr.2, 300006 Timişoara, România, Tel. +40 (0) 256 403 063; www.upt.ro

- Studii: Sinteză organică; Spectroscopie (tehnicile IR, RMN, GC-MS); Activităţi biologice;
- Teza de doctorat: Studiul sintezei mercapto-triazolilor funcţionalizaţi, compuşi cu potenţială activitate biologică. Conducător de doctorat: Prof.univ.dr. Carol Csunderlik
- Dipomă de Doctor în Chimie, conform Ordinului MECTS nr. 4387/06.06.2011

Octombrie 2002-Iulie 2007

Inginer chimist diplomat

Nivel EQF 6

Universitatea „Politehnica" din Timişoara, Facultatea de Chimie Industrială şi Ingineria Mediului, Piaţa Victoriei nr.2, 300006 Timişoara, România, Tel. +40 (0) 256 403 063; www.upt.ro

- Domenii studiate: Chimie şi Inginerie Chimică;
- Diplomă de absolvire a modulului psiho-pedagogic: Psihologia educaţiei, Pedagogie, Sociologie, Metodica predării chimiei, Comunicare educaţională etc.
- Diplomă de studii de lungă durată (5 ani) în Inginerie Chimică (nota la examenul de diplomă: 10,00; media multianuală ECTS 9,86).

Septembrie 1998-Iunie 2002

Diplomă de bacalaureat

Nivel EQF 4

Colegiul Naţional „Constantin Diaconovici Loga”, Timişoara, România
- Profil Matematică-Fizică intensiv
- Diplomă de Bacalureat, media 9,71

COMPETENȚE PERSONALE

Limba maternă Română

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversaţie	Discurs oral	
Engleză	C1	C1	C1	C1	C1
	Utilizator experimentat				
Franceză	C1	C1	C1	C1	C1
	Utilizator experimentat				

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
Cadrul european comun de referinţă pentru limbi străine

Competenţe de comunicare
- Bună capacitate de comunicare dobândită atât în perioada de lucru în cercetare (documentare şi sinteză pentru elaborarea tezei de doctorat, disertaţiei masterale şi studiilor postdoctorale)
- Dezvoltarea unor abilităţi de comunicare şi prezentare ca urmare a experienţei din învăţământul universitar.

Competenţe organizaţionale/manageriale
- Spirit de echipă, dobândit în practica profesională şi în activităţile de cercetare alături de colegi
- În anul 2004 am obţinut diploma de merit pentru activitatea desfăşurată în cadrul proiectului Fundaţiei Judeţene pentru Tineret intitulată „Campanie pentru participarea civică a tinerilor”
- În perioada 10-12 noiembrie 2006 am participat la programul de formare privind Implementarea programei şcolare de „Consiliere şi Orientare” la Şcoala cu cls. I-VIII nr.18 Timişoara
- În perioada 10-14 noiembrie 2006 am urmat cursuri de formare profesională în vederea utilizării softului AeL şi al elaborării materialelor educaţionale pentru AeL
- Spirit organizaţional, dobândit în urma desfăşurării activităţilor de laborator şi seminar cu studenţii

Competenţe dobândite la locul de muncă
- Chimie fizică şi cinetică – expertiză în screening instrumental avansat
  - Analiză termică şi tehnici hifenate de analiză;
  - Spectroscopie (tehnica IR în pastilă şi ATR, RMN, RMN 2D, GC-MS, UV-VIS)
  - Studii cinetice în medii omogene şi eterogene (solid)
  - Difractometrie (de raze X) şi microscopia electronică de baleiaj (SEM)
  - Modelarea prin relaţii QSAR a permeabilităţii pielii la diverşi agenţi chimici

- Chimia compuşilor naturali
  - Izolarea şi caracterizarea unor compuşi bioactivi din surse naturale
  - Derivatizarea compuşilor naturali la produşi de semi-sinteză: purificare şi caracterizare

- Sinteză chimică şi proprietăţi fizico-chimice ale analiţilor
  - Compuşi heterociclici şi precursori (acizi, esteri, hidrazide, baze Schiff etc.) - 1,2,4-triazoli şi funcţionalizarea acestora
  - Sinteze de compuşi de coordinare (complecşi metalici) prin diverse tehnici
  - Designul unor aducţi supramoleculari pentru compuşi bioactivi (aducţi cu ciclodextrine naturale şi de semisinteză, aducţi de tip cocristale şi săruri etc.)

Competenţă digitală

AUTOEVALUARE				
Procesarea informaţiei	Comunicare	Creare de conţinut	Securitate	Rezolvarea de probleme
Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat

Niveluri: Utilizator elementar - Utilizator independent - Utilizator experimentat
Competențele digitale - Grilă de auto-evaluare

- o bună stăpânire a Microsoft Office (Word, Excel, PowerPoint, Visio), ISIS Draw, ChemOffice, Origin, TableCurve, MatLab, AeL., AutoCAD, AKTS)
- bune cunoştinţe de utilizare a Internetului, inclusiv web research

Alte competenţe

- fotografie şi procesare digitală a imaginii
- pictură
- modelaj în lut

Permis de conducere B

INFORMATII SUPLIMENTARE

Publicaţii şi citări Sunt autor sau co-autor la 135 lucrări ştiinţifice ISI în jurnale internaţionale (2010-februarie 2026), care au acumulat 1739 de citări (sursa Web of Science, Clarivate Analytics), cele mai multe având legătură cu Chimia fizică a Medicamentului (studii de preformulare a substanţelor de interes farmaceutic). Sunt de asemenea autor/coautor al unor cărţi didactice şi autor al unei monografii.

h-index 22 (Web of Science); 22 (Scopus); 24 (Google Scholar)

Proiecte de cercetare Am participat în 7 proiecte de cercetare obţinute prin competiţie naţională. Domeniul principal de expertiză în aceste proiecte l-a reprezentat utilizarea analizei termice şi a spectroscopiei moleculare ca metode investigaţionale în clasa compuşilor bioactivi sau potenţial bioactivi.

Conferinţe Am participat la o serie de conferinţe ştiinţifice naţionale şi internaţionale, atât cu prezentări orale cât şi cu postere, cu peste 200 de materiale prezentate. Cele mai multe materiale prezentate sunt în domeniul Chimiei fizice a medicamentului.

Premii

- Premiul Judit Simon ESTAC 2022, pentru recunoașterea celor sub 40 de ani care au obținut rezultate remarcabile în domeniul analizei termice și calorimetriei, 19-22 septembrie 2022, Palermo, Italia (The 13th European Symposium on Thermal Analysis and Calorimetry).
- Distincția „Profesor Bologna" acordată de Alianța Națională a Organizațiilor Studențești din România (ANOSR), Ediția a XII-a, la Gala Profesorului Bologna, în perioada 23-26 mai 2019, la Iași
- 39 dintre lucrările ISI au fost premiate la nivel naţional de către UEFISCDI (Unitatea Executivă pentru Finanţarea Învăţământului Superior, a Cercetării, Dezvoltării şi Inovării din România.

Membru în asociaţii ştiinţifice

Membru al Societăţii de Chimie din România (SChR), vicepreşedinte filiala Timiş
Membru al International Association of Physical Chemists (IAPC)
Membru al Comisiei de Analiză Termică şi Calorimetrie a Academiei Române (CATCAR)

Referinţe Disponibile la cerere

ANEXE

- Lista publicaţiilor

Timişoara,
07 februarie 2026

Prof.univ.dr. Ionuţ-Valentin Ledeţi, Dr. Habil.

Lista publicațiilor

A1. CĂRȚI

1. **Ionuţ-Valentin Ledeţi**, Georgeta Maria Simu, Sebastian-Claudiu Simu, *Chimie fizică aplicată pentru farmacişti – Termodinamică clasică, Proprietăţi structurale ale moleculelor (I) – ediţia a doua, revăzută şi adăugită*, Editura Victor Babeş, Timişoara, 2023, ISBN 978-606-786-339-0; 172 pagini;
2. **Ionuţ-Valentin Ledeţi**, Georgeta Maria Simu, Sebastian-Claudiu Simu, *Applied Physical Chemistry for Pharmacy Students – Classical thermodynamics, Structural properties of molecules (I)*, Editura Victor Babeş, Timişoara, 2023, ISBN 978-606-786-314-7, 172 pagini;
3. Adriana-Violeta Ledeți, Denisa-Laura Cîrcioban, Amalia-Ioana Ridichie, Carmen Tomoroga, **Ionuţ-Valentin Ledeţi** – *Qualitative Analytical Chemistry – A Laboratory Textbook*, Editura Victor Babeş, Timişoara, 2023, ISBN 978-606-786-329-1, 230 pagini;
4. **Ionuţ-Valentin Ledeţi**, *Bazele fizico-chimice ale preformulării medicamentului - Volumul I: Structura materiei. Stări de agregare*, Editura Mirton, Timişoara, 2018, ISBN 978-973-52-1771-6 general; ISBN 978-973-52-1772-3 volum I, 224 pagini;
5. Adriana-Violeta Ledeți, Carmen Axente, Denisa-Laura Cîrcioban, **Ionuţ-Valentin Ledeţi**, Florin Borcan, *Chimie Analytique Quantitative – notes de cours*, Editura Mirton, Timişoara, 2018, ISBN 978-973-52-1770-9, 273 pagini;
6. Adriana-Violeta Ledeți, **Ionuţ-Valentin Ledeţi**, Denisa-Laura Cîrcioban, *Bazele practice ale analizei chimice calitative – Aplicații în domeniul farmaceutic*, Editura Mirton, Timişoara, 2018, ISBN 978-973-52-1781-5, 211 pagini;
7. Georgeta Maria Simu, Ludovic Kurunczi, **Ionuţ-Valentin Ledeţi**, *Chimie Physique Notes de Cours, Tome Second : Spectroscopie, Cinétique et Colloïdes*, Editura Victor Babeş, Timişoara, 2014, ISBN 978-606-8456-01-0, 226 pagini.
8. **Ionuţ-Valentin Ledeţi**, Georgeta Maria Simu, *Chimie Physique Appliquée – Spectroscopie, Electrochimie, Cinétique chimique, Systèmes disperses*, Editura Mirton, Timişoara, 2012, ISBN 978-973-52-1207-0, 128 pagini;
9. Georgeta Maria Simu, **Ionuţ-Valentin Ledeţi,** *Chimie fizică aplicată pentru farmacişti (II)*, Editura Mirton, Timişoara, 2011, ISBN 978-973-52-1006-9, 120 pagini;
10. Georgeta Maria Simu, **Ionuţ-Valentin Ledeţi,** *Chimie Physique Appliquée – Thermodynamique classique, Propriétés structurelles des molécules,* Editura Mirton, Timişoara, 2011, ISBN 978-973-52-1103-5, 110 pagini;
11. **Ionuţ-Valentin Ledeţi**, Georgeta Maria Simu, *Chimie fizică aplicată pentru farmacişti (I)*, Editura Mirton, Timişoara, 2010, ISBN 978-973-52-0908-7, 122 pagini;
12. **Ledeţi Ionuţ-Valentin**, *Studiul sintezei mercapto-triazolilor funcţionalizaţi, compuşi cu potențială activitate biologică*, Editura Politehnica Timişoara, Seria Teze de doctorat 2(14), 2010, ISBN 978-606-554-217-4, 258 pagini.

A2. TEZA DE ABILITARE

TEHNICI DE SCREENING FIZICO-CHIMIC COMPLEX A UNOR COMPUŞI DE INTERES FARMACEUTIC ŞI CU POTENŢIALĂ ACTIVITATE BIOLOGICĂ, Domeniul Ştiinţe exacte - CHIMIE; susţinută în 8 decembrie 2017. Atestatul de abilitare obținut prin OMEN nr. 3367/22.03.2018, respectiv dobândirea calității de conducător de doctorat în domeniul Chimie în IOSUD UPT, conform deciziei 542/112/C din 23.04.2018

B1. LUCRĂRI ȘTIINȚIFICE PUBLICATE IN EXTENSO ÎN FLUXUL ISI

B1.1 ARTICOLE ȘTIINȚIFICE ORIGINALE ȘI REVIEW PUBLICATE IN EXTENSO ÎN FLUXUL ISI (cu * sunt marcați autorii corespondenți, cu # sunt marcați autorii cu contribuție egală)

Nr. crt.	Autorii	Titlul articolului	Revista	FI	Anul pentru FI	Autor
1.	Ema Niţu, Ioana Mitrofan, Luciana Buliga, Amalia Ridichie, Carmen Tomoroga, Cornelia Muntean, Gerlinde Rusu, Renata Văruţ, Adriana Ledeţi*, **Ionuţ Ledeţi**, Laura Sbârcea	Host-guest inclusion complexes of carvedilol with methylatedβ-cyclodextrins	Journal of Thermal Analysis and Calorimetry, 2025 (online); DOI 10.1007/s10973-025-15130-7	3.1/2024	2024	Coautor
2.	**Ionuţ Ledeţi**, Cosmina Bengescu, Adriana Ledeţi*, Gabriela Vlase, Titus Vlase, Cezara Maria Mureşan, Carmen Tomoroga, Valentina Buda, Anca Dragomirescu, Felicia Andrei, Lenuţa-Maria Şuta, 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 (online); DOI 10.1007/s10973-025-15096-6	3.1/2024	2024	Prim autor
3.	Amalia Ridichie, Adriana Ledeţi*, Cosmina Bengescu, Laura Sbârcea, Răzvan Adrian Bertici, Denisa Laura Ivan, Gabriela Vlase, Titus Vlase, Francisc Peter, **Ionuţ Ledeţi**	Thermal Stability and Degradation of Three Similar-Structured Endogenous Estrogens	Analytica, 2025, 6(4); 52; DOI10.3390/analytica6040052	3.6/2024	2024	Ultim autor

4.	Amalia Ridichie, Cosmina Bengescu, Adriana Ledeţi*, Laura Sbârcea, Răzvan-Adrian Bertici, Gerlinde Rusu, Cornelia Muntean, Francisc Peter, **Ionuţ Ledeţi**	Preformulation studies of progesterone: an instrumental approach	Journal of Thermal Analysis and Calorimetry, 2025 (online); DOI 10.1007/s10973-025-14712-9	3.1/2024	2024	Ultim autor
5.	Răzvan Adrian Bertici, Amalia Ridichie*, Nicoleta Sorina Bertici, Adriana Ledeţi, **Ionuţ Ledeţi**, Renata-Maria Văruţ*, Laura Sbârcea, Paul Albu, Matilda Rădulescu, Gerlinde Rusu, Dragoş Cătălin Jianu, Ovidiu Fira-Mlădinescu	Compatibility Studies of Sildenafil-HPBCD Inclusion Complex with Pharmaceutical Excipients	Pharmaceutics, 2025, 17(9); 1114; DOI 10.3390/pharmaceutics17091114	5.5/2024	2024	Coautor
6.	Ema-Teodora Niţu, Amalia Ridichie, Claudia Temereancă, Ioana Mitrofan, Luciana Buliga, Sebastian Simu, Cornelia Muntean, Gerlinde Rusu, **Ionuţ Ledeţi***, Adriana Ledeţi, Laura Sbârcea	Study of Carvedilol-β-Cyclodextrin Derivatives Interactions	Processes, 2025, 13(4); DOI10.3390/pr13041141	2.8/2024	2024	Coresp
7.	**Ionuţ Ledeţi**, Claudia Temereancă, Amalia Ridichie, Adriana Ledeţi*, Denisa Laura Ivan, Gabriela Vlase, Titus Vlase, Carmen Tomoroga, Laura Sbârcea, Oana Suciu	Oxidative Thermolysis of Sulfobutyl-Ether-Beta-Cyclodextrin Sodium Salt: A Kinetic Study	Applied Sciences-Basel, 2025, 15(1); 441; DOI10.3390/app15010441	2.5/2024	2024	Prim autor
8.	Adriana Ledeţi, Bianca Baul, Amalia Ridichie, Denisa Ivan, Titus Vlase, Carmen Tomoroga*, Anca Dragomirescu, Gabriela Vlase, Răzvan Adrian Bertici, Dana Emilia Man, **Ionuţ Ledeţi**	Thermooxidation of Four Sartans: Kinetic Analysis Based on Thermo-Gravimetric Data	Molecules, 2024, 29(23); 5527; https://doi.org/10.3390/molecules29235527	4.6	2024	Ultim autor
9.	Dana Emilia Man, Ema-Teodora Niţu, Claudia Temereancă, Laura Sbârcea*, Adriana Ledeţi, Denisa Ivan, Amalia Ridichie, Minodora Andor, Alex-Robert Jîjie, Paul Barvinschi, Gerlinde Rusu, Renata-Maria Văruţ, **Ionuţ Ledeţi**	Host-Guest Complexation of Olmesartan Medoxomil by Heptakis(2,6-di-O-methyl)-β-cyclodextrin: Compatibility Study with Excipients	Pharmaceutics, 2024, 16(12); 1557; DOI 10.3390/pharmaceutics16121557	5.5	2024	Ultim autor
10.	Amalia Ridichie, Cosmina Bengescu, Adriana Ledeţi*, Gerlinde Rusu, Răzvan Bertici, Titus Vlase, Gabriela Vlase, Francisc Peter, **Ionuţ Ledeţi,** Matilda Rădulescu	Thermal stability, preformulation, and kinetic degradation studies for gestrinone	Journal of Thermal Analysis and Calorimetry, 2024 (online), 2025 (volume) 150; 6785-6799; DOI10.1007/s10973-024-13520-x	3.1	2024	Coautor
11.	Andreea-Anda Alexa, Vasile-Nicolae Bercean, Sabina Elena Boncea, Adriana Ledeţi*, Valentin Badea, Amalia Ridichie, Marilena Motoc, **Ionuţ Ledeţi**	Synthesis, Characterization and Biological Activity Evaluation of Some 1,N-bis-(4-amino-5-mercapto-1,2,4-triazol-3-yl) Alkanes	Applied Sciences-Basel, 2024, 14(14); 6180; DOI10.3390/app14146180	2.5	2024	Ultim autor
12.	Denisa Circioban, Adriana Ledeți*, Amalia Ridichie, Titus Vlase, **Ionuț Ledeți**, Ionela-Amalia Bradu, Alexandru Pahomi, Laura Sbârcea, Gabriela Vlase	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 (online), 2025 (volume) 150; 6747-6759; DOI 10.1007/s10973-024-13181-w	3.1	2024	Coautor
13.	Minodora Andor, Claudia Temereanca, Laura Sbârcea, Adriana Ledeţi*, Dana Emilia Man, Cristian Mornoş, Amalia Ridichie, Denisa Cîrcioban, Gabriela Vlase, Paul Barvinschi, Angela Caunii, Renata Văruţ, Cristina Trandafirescu, **Ionuţ Ledeţi,** Valentina Buda, Matilda Rădulescu	Host-Guest Interaction Study of Olmesartan Medoxomil with β-Cyclodextrin Derivatives	Molecules, 2024, 29(10); 2209; DOI10.3390/molecules29102209	4.6	2024	Coautor
14.	Amalia Ridichie, Adriana Ledeţi, Laura Sbarcea*, Gerlinde Rusu, Cornelia Muntean, Denisa Cîrcioban, Francisc Peter, **Ionuţ Ledeţi**	Preformulation studies of levonorgestrel	Journal of Thermal Analysis and Calorimetry, 2024 (online), 2025 (volume) 150; 6717-6730; DOI 10.1007/s10973-024-13149-w	3.1	2024	Ultim autor
15.	Lenuţa-Maria Şuta, Amalia Ridichie*, Adriana Ledeţi, Claudia Temereanca, **Ionuţ Ledeţi**, Delia Muntean, Matilda Rădulescu, Renata-Maria Văruţ, Claudia Watz, Florentin Crăineanu, Denisa Ivan, Gabriela Vlase, Lavinia Stelea	Host-Guest Complexation of Itraconazole with Cyclodextrins for Bioavailability Enhancement	Pharmaceutics, 2024, 16(4); 560; DOI10.3390/pharmaceutics16040560	5.5	2024	Coautor
16.	Amalia Ridichie, Adriana Ledeţi*, Francisc Peter*, **Ionuţ Ledeţi,** Cornelia Muntean, Matilda Rădulescu	Kinetic Investigation of the Oxidative Thermal Decomposition of Levonorgestrel	Processes, 2023, 11(11); DOI10.3390/pr11113210	2.8	2023	Coautor

17.	Bianca Baul, Adriana Ledeţi*, Denisa Cîrcioban, Amalia Ridichie, Titus Vlase, Gabriela Vlase, Francisc Peter*, **Ionuţ Ledeţi**	Thermal Stability and Kinetics of Degradation of Moxonidine as Pure Ingredient vs. Pharmaceutical Formulation	Processes, 2023, 11(6), 1738; DOI10.3390/pr11061738	2.8	2023	Ultim autor
18.	Denisa Cîrcioban, **Ionuţ Ledeţi,** Titus Vlase, Gerlinde Rusu, Adriana Ledeţi*, Gabriela Vlase	Stability evaluation and kinetic study for the atypical antidepressant opipramol	Journal of Thermal Analysis and Calorimetry, 2023, 148(23); 13121-13131; DOI10.1007/s10973-023-12249-3	3.0	2023	Coautor
19.	Cosmina Bengescu, Adriana Ledeţi, Tudor Olariu, Cîrcioban Denisa, Cornelia Muntean*, Gabriela Vlase, Titus Vlase, Carmen Tomoroga, Anca Octavia Dragomirescu, Daniela Dascălu, Lenuța-Maria Șuta, **Ionuţ Ledeţi,** Marius Murariu	Instrumental investigations of promestriene: first report regarding the solid-state characterization and compatibility with pharmaceutical excipients	Journal of Thermal Analysis and Calorimetry, 2023, 148(10); 4641-4649; DOI10.1007/s10973-023-11942-7	3.0	2023	Coautor
20.	Sebastian Simu, Adriana Ledeți, Elena-Alina Moacă*, Cornelia Păcurariu, Cristina Dehelean, Dan Năvolan, **Ionuț Ledeți**	Thermal Degradation Process of Ethinylestradiol-Kinetic Study	Processes, 2022, 10(8), art. no. 1518 DOI10.3390/pr10081518	3.5	2022	Ultim autor
21.	Mirabela Romanescu, Valentina Buda, Adelina Lombrea, Monodora Andor, **Ionuț Ledeți**, Maria Suciu, Corina Danciu, Cristina Dehelean, Liana Dehelean	Sex-Related Differences in Pharmacological Response to CNS Drugs: A Narrative Review	Journal of Personalized Medicine, 2022, 12(6), art. no. 907 DOI10.3390/jpm12060907	3.4	2022	Coautor
22.	Valentina Buda, Minodora Andor, Anca Tudor, Octavian Crețu, Carmen Cristescu, Corina Danciu, **Ionuț Ledeți**, Zorin Crăiniceanu, Mircea Onel, Diana Aurora Bordejevic, Mirela Cleopatra Tomescu, Oana Suciu, Lucian Petrescu, Dana Emilia Man	The Plasma Level Of Soluble Endoglin In Hypertensive Patients Undergoing Long-Term Treatment With Candesartan	Farmacia, 2022, 70(1), 90-101 DOI10.31925/farmacia.2022.1.14	1.6	2022	Coautor
23.	Laura Sbârcea, Ionuț-Mihai Tănase, Adriana Ledeți, Denisa Cîrcioban, Gabriela Vlase, Paul Barvinschi, Marinela Miclău, Renata-Maria Văruț, Oana Suciu, **Ionuț Ledeți**	Risperidone/Randomly Methylated β-Cyclodextrin Inclusion Complex—Compatibility Study with Pharmaceutical Excipients	Molecules, 2021, 26(6), 1690; https://doi.org/10.3390/molecules26061690	4.927	2021	Ultim autor
24.	Laura Sbarcea, Ionut-Mihai Tanase, Adriana Ledeti*, Denisa Circioban,Gabriela Vlase, Paul Barvinschi, Marinela Miclau, Renata-Maria Varut, Cristina Trandafirescu, **Ionut Ledeti**	Encapsulation of Risperidone by Methylated beta-Cyclodextrins: Physicochemical and Molecular Modeling Studies	Molecules, 2020, 25(23), art.no. 5694; DOI: 10.3390/molecules25235694	4.412	2020	Ultim autor
25.	Denisa Circioban, **Ionut Ledeti,** Lenuta-Maria Suta, Gabriela Vlase, Adriana Ledeti*, Titus Vlase, Renata Varut, Laura Sbarcea, Cristina Trandafirescu, Cristina Dehelean	Instrumental analysis and molecular modelling of inclusion complexes containing artesunate	Journal of Thermal Analysis and Calorimetry, 2020, 142(5);1951-1961; DOI: 10.1007/s10973-020-09975-3	4.626	2020	Coautor
26.	Denisa Circioban, Adriana Ledeti*, Gabriela Vlase, Titus Vlase, Cristina Dehelean, **Ionut Ledeti**	Thermal stability and kinetic degradation study for dihydroartemisinin	Journal of Thermal Analysis and Calorimetry, 2020, 142(5); 2131-2139; DOI: 10.1007/s10973-020-09902-6	4.626	2020	Ultim autor
27.	Denisa Circioban, Adriana Ledeti*, Gabriela Vlase, **Ionut Ledeti**, Titus Vlase, Renata Varut, Ioana-Zinuca Pavel, Cristina Dehelean	Preparation, physicochemical characterization and biological activity evaluation of some inclusion complexes containing artesunate	Journal of Thermal Analysis and Calorimetry, 2020, 141(3); 1041-1051; DOI: 10.1007/s10973-020-09763-z	4.626	2020	Coautor
28.	Ionut-Mihai Tanase, Laura Sbarcea*, Adriana Ledeti, Paul Barvinschi, Denisa Circioban, Gabriela Vlase, Renata-Maria Varut, **Ionut Ledeti**	Compatibility studies with pharmaceutical excipients for aripiprazole-heptakis (2,6-di-O-methyl)-beta-cyclodextrin supramolecular adduct	Journal of Thermal Analysis and Calorimetry, 2020, 142(5); 1963-1976; DOI: 10.1007/s10973-020-09901-7	4.626	2020	Ultim autor
29.	**Ionuț Ledeți,** Mirabela Romanescu, Denisa Circioban, Adriana Ledeți*, Gabriela Vlase, Titus Vlase, Oana Suciu*, Marius Murariu*, Sorin Olariu, Pentru Matusz, Valentina Buda, Doina Piciu	Stability and Compatibility Studies of Levothyroxine Sodium in Solid Binary Systems-Instrumental Screening	Pharmaceutics, 2020, 12(1); art.58; DOI: 10.3390/pharmaceutics12010058	6.321	2020	Prim autor
30.	Valentina Buda, Bianca Baul, Minodora Andor, Dana Emilia Man, Adriana Ledeți*, Gabriela Vlase, Titus Vlase, Corina Danciu, Petru Matusz, Francisc Peter, **Ionuț Ledeți**	Solid State Stability and Kinetics of Degradation for Candesartan-Pure Compound and Pharmaceutical Formulation	Pharmaceutics, 2020, 12(2); art.86; DOI: 10.3390/pharmaceutics12020086	6.321	2020	Coresp

31.	**Ionuț Ledeți**, Cosmina Bengescu, Denisa Circioban, Gabriela Vlase, Titus Vlase, Carmen Tomoroga, Valentina Buda, Adriana Ledeţi*, Anca Dragomirescu, Marius Murariu	Solid-state stability and kinetic study of three glucocorticoid hormones: prednisolone, prednisone and cortisone	Journal of Thermal Analysis and Calorimetry, 2020, 141(3); 1053-1065 DOI: 10.1007/s10973-020-09534-w	4.626	2020	Prim autor
32.	Ionuț-Mihai Tănase, Laura Sbârcea*, Adriana Ledeţi, Gabriela Vlase, Paul Barvinschi, Renata-Maria Văruţ, Anca Dragomirescu, Carmen Axente, **Ionuț Ledeți**	Physicochemical characterization and molecular modeling study of host-guest systems of aripiprazole and functionalized cyclodextrins	Journal of Thermal Analysis and Calorimetry, 2020, 141(3); 1027-1039 DOI: 10.1007/s10973-020-09549-3	4.626	2020	Ultim autor
33.	Anamaria Todea, Diana Aparaschivei, Ioan Bitcan, **Ionuț V. Ledeți**, Geza Bandur, Francisc Peter*, Lajos Nagy, Sandor Keki, Emese Biro	Thermal behavior of oligo[(epsilon-caprolactone)-co-delta-gluconolactone] enzymatically synthesized in reaction conditions optimized by experimental design	Journal of Thermal Analysis and Calorimetry, 2020, 141(3); 1017-1026 DOI: 10.1007/s10973-020-09557-3	4.626	2020	Coautor
34.	Iulia Păușescu, Anamaria Todea, Valentin Badea, Francisc Peter, Mihai Medeleanu*, **Ionuț Ledeți**, Gabriela Vlase, Titus Vlase	Optical and thermal properties of intelligent pH indicator films based on chitosan/PVA and a new xanthylium dye	Journal of Thermal Analysis and Calorimetry, 2020, 141(3); 999-1008 DOI: 10.1007/s10973-019-08911-4	4.626	2020	Coautor
35.	Mirela Nicolov, Doina Georgescu, Emiliana Laura Andreici Eftimie, Simona Cinta Pinzaru, Roxana Roman, **Ionuț Ledeti**, Rita Ambrus, Adelina Cheveresan, Nicolae Avram	DFT Study of Structure, IR and RAMAN Spectra for Betulinic Acid Solvatomorphs	Revista de Chimie –Bucharest, 2019, 70(1), 107-111 https://doi.org/10.37358/RC.19.1.6861	1.755	2019	Coautor
36.	Valentina Buda, Minodora Andor, Dana Emilia Baibata, Ramona Cozlac, Gabriela Radu, Dorina Coricovac, Corina Danciu, **Ionut Ledeti,** Adelina Cheveresan, Cristian Nica, Paul Tuduce, Mirela Cleopatra Tomescu	Decreased sEng plasma levels in hypertensive patients with endothelial dysfunction under chronic treatment with Perindopril	Drug Design Development And Therapy, 2019, 13, 1915-1924; DOI: 10.2147/DDDT.S186378	3.216	2019	Coautor
37.	Valentina Buda, Minodora Andor, Carmen Cristescu, Mirela Cleopatra Tomescu, Danina Muntean, Dana Emilia Baibata, Diana Aurora Bordejevic, Corina Danciu, Olivia Dalleur, Dorina Coricovac, Zorin Crăiniceanu, Anca Tudor, **Ionut Ledeti**, Lucian Petrescu	Thrombospondin-I Serum Levels In Hypertensive Patients With Endothelial Dysfunction After One Year Of Treatment With Perindopril	Drug Design Development And Therapy, 2019, 13, 3515-3526; DOI: 10.2147/DDDT.S218428	3.216	2019	Coautor
38.	Denisa Circioban, Ioana Zinuca Pavel*, Adriana Ledeţi, Ionuţ Ledeţi, Corina Danciu, Cristina Dehelean	Cytotoxic Activity Evaluation on Breast Cells of Guest-host Complexes Containing Artemisinin	Revista de Chimie –Bucharest, 2019, 70(8), 2843-2846 https://doi.org/10.37358/RC.19.8.7439	1.755	2019	Coautor
39.	Laura Sbârcea, Adriana Ledeţi*, Lucreţia Udrescu, Renata-Maria Văruţ, Paul Barvinschi, Gabriela Vlase, **Ionuţ Ledeţi**	Betulonic acid—cyclodextrins inclusion complexes	Journal of Thermal Analysis and Calorimetry, 2019, 138(4); 2787-2797; DOI: 10.1007/s10973-019-08359-6	2.731	2019	Coautor/Ultim autor
40.	Mihaela Cristea, Bianca Baul, **Ionuţ Ledeţi***, Adriana Ledeţi, Gabriela Vlase, Titus Vlase, Bożena Karolewicz, Oana Ştefănescu, Anca Octavia Dragomirescu, Cezara Mureşan, Dan-Simion Cipu, Dana Velimirovici, Mircea Ştefănescu	Preformulation studies for atorvastatin calcium	Journal of Thermal Analysis and Calorimetry, 2019,138(4); 2799-2806; DOI: 10.1007/s10973-019-08798-1	2.731	2019	Coresp
41.	Cristina Trandafirescu#, **Ionuţ Ledeţi#**, Codruţa Şoica*, Adriana Ledeţi, Gabriela Vlase, Florin Borcan, Cristina Dehelean, Dorina Coricovac, Roxana Racoviceanu, Zoltán Aigner	Albendazole-cyclodextrins binary systems. Thermal and spectral investigation on drug-excipient interaction	Journal of Thermal Analysis and Calorimetry, 2019,138(5); 3039-3054; DOI: 10.1007/s10973-019-08326-1	2.731	2019	Prim autor
42.	**Ionut Ledeti,** Mihaela Budiul, Petru Matusz, Gabriela Vlase, Denisa Circioban, Cristina Dehelean, Lenuta-Maria Suta, Angelica Caunii, Adriana Ledeti, Titus Vlase, Marius Murariu, Sorin Bolintineanu	Preformulation studies for nortriptyline. Solid-state compatibility with pharmaceutical excipients	Journal of Thermal Analysis and Calorimetry, 2018, 131(1); 191-199 DOI 10.1007/s10973-017-6269-5	2.471	2018	Prim autor
43.	Adriana Ledeti, Gabriela Vlase, Titus Vlase, Denisa Circioban, Cristina Dehelean, **Ionut Ledeti*,** Lenuta-Maria Suta	Binary adduct formation of desipramine with dicarboxylic acids: an instrumental study	Journal of Thermal Analysis and Calorimetry, 2018, 131(1); 167-173; DOI 10.1007/s10973-016-5967-8	2.471	2018	Coresp
44.	Adriana Ledeti, Gabriela Vlase, Titus Vlase,	Kinetic study for solid-state	Journal of Thermal Analysis and	2.471	2018	Coresp

	Denisa Circioban, Cristina Dehelean, **Ionut Ledeti***	degradation of mental disorder therapeutic agents: amitriptyline, desipramine and imipramine	Calorimetry, 2018, 131(1); 155-165; DOI 10.1007/s10973-016-6064-8			
45.	Adriana Ledeti, Tudor Olariu, Angelica Caunii, Gabriela Vlase, Denisa Circioban, Bianca Baul, **Ionut Ledeti*,** Titus Vlase, Marius Murariu	Evaluation of thermal stability and kinetic of degradation for levodopa in non-isothermal conditions	Journal of Thermal Analysis and Calorimetry, 2018, 131(2); 1881-1888; DOI: 10.1007/s10973-017-6671-z	2.471	2018	Coresp
46.	**Ionut Ledeti#,** Agneta Pusztai#, Cezara Mureșan#, Denisa Circioban, Gabriela Vlase, Carmen Axente, Lenuța-Maria Șuta, Titus Vlase, Petru Matusz, Adriana Ledeti*, Oana Suciu, Valentina Buda, Marius Murariu	Study of kinetic characteristics of 6-ethyl chenodeoxycholic acid and deoxycholic acid decomposition in non-isothermal conditions	Journal of Thermal Analysis and Calorimetry, 2018, 134(1); 757-764; DOI: 10.1007/s10973-018-7660-6	2.471	2018	Prim autor
47.	Denisa Circioban, **Ionut Ledeti**, Gabriela Vlase, Adriana Ledeti*, Carmen Axente, Titus Vlase, Cristina Dehelean	Kinetics of heterogeneous-induced degradation for artesunate and artemether	Journal of Thermal Analysis and Calorimetry, 2018, 134(1); 749-756; DOI: 10.1007/s10973-018-7257-0	2.471	2018	Coautor
48.	Denisa Circioban, Adriana Ledeti, Gabriela Vlase, Alina Moacă, **Ionut Ledeti***, Claudia Farcaș, Titus Vlase, Cristina Dehelean	Thermal degradation, kinetic analysis and evaluation of biological activity on human melanoma for artemisinin	Journal of Thermal Analysis and Calorimetry, 2018, 134(1); 741-748; DOI: 10.1007/s10973-018-7497-z	2.471	2018	Coresp
49.	**Ionut Ledeti#,** Agneta Pusztai#, Cezara Mureșan#, Denisa Circioban, Gabriela Vlase, Marius Murariu, Lenuța-Maria Șuta, Titus Vlase, Adriana Ledeti*, Oana Suciu, Valentina Buda, Petru Matusz	Study of solid-state degradation of prochlorperazine and promethazine	Journal of Thermal Analysis and Calorimetry, 2018, 134(1); 731-740; DOI: 10.1007/s10973-018-7566-3	2.471	2018	Prim autor
50.	Denisa Circioban, Adriana Ledeti, Gabriela Vlase, Dorina Coricovac, Alina Moaca, Claudia Farcas, Titus Vlase, **Ionut Ledeti*,** Cristina Dehelean	Guest–host interactions and complex formation for artemisinin with cyclodextrins: instrumental analysis and evaluation of biological activity	Journal of Thermal Analysis and Calorimetry, 2018, 134(2); 1375-1384; DOI: 10.1007/s10973-018-7411-8	2.471	2018	Coresp
51.	**Ionut Ledeti#,** Agneta Pusztai#, Marius Murariu#, Sorin Olariu, Codruț Ivan, Denisa Circioban, Gabriela Vlase, Adriana Ledeti*, Titus Vlase, Petru Matusz	Comparative instrumental investigations of some bile acids	Journal of Thermal Analysis and Calorimetry, 2018, 134(2); 1345-1350; DOI: 10.1007/s10973-018-7163-5	2.471	2018	Prim autor
52.	**Ionut Ledeti#,** Marius Murariu#, Gabriela Vlase, Titus Vlase, Nicolae Doca, Adriana Ledeti*, Lenuta-Maria Suta, Tudor Olariu	Investigation of thermal-induced decomposition of iodoform	Journal of Thermal Analysis and Calorimetry, 2017, 127(1); 565-570 DOI: 10.1007/s10973-016-5368-z	2.209	2017	Prim autor
53.	Valentina Buda, Minodora Andor, Adriana Ledeti, **Ionut Ledeti*,** Gabriela Vlase, Titus Vlase, Carmen Cristescu, Mirela Voicu, Liana Suciu, Mirela Tomescu	Comparative Solid-State Stability of Perindopril Active Substance vs. Pharmaceutical Formulation	International Journal Of Molecular Sciences, 2017, 18(1) Article Number: 164 DOI:10.3390/ijms18010164	3.687	2017	Coresp
54.	Rodica Narcisa Tanasescu, Razvan Bardan, Adriana Ledeti, **Ionut Ledeti**, Petru Matusz, Germaine Săvoiu-Balint, Sorin Bolintineanu	Considerations on Thermal Behaviour and Porosity of Renal Calculi in Bisphosphonate-Treated Postmenopausal Women	Revista de Chimie –Bucharest, 2017, 68(6), 1259-1263	1.412	2017	Coautor
55.	Corina Danciu*, Ersilia Alexa, Stefana Avram, Daliana Minda, Ioana Pavel, Roxana Babuta, Marius Mioc, **Ionut Ledeti**, Ioana Cuc Hepcal, Andrei Motoc	Total Polyphenol Content and Antiproliferative Activity of Green Tea Extracts Collected from Romanian Pharmaceuticals Market	Revista de Chimie –Bucharest, 2017, 68(6), 1174-1176	1.412	2017	Coautor
56.	**Ionut Ledeti,** Sorin Bolintineanu, Gabriela Vlase, Denisa Circioban, Adriana Ledeti, Titus Vlase, Lenuta-Maria Suta, Angelica Caunii, Marius Murariu	Compatibility study between antiparkinsonian drug Levodopa and excipients by FTIR spectroscopy, X-ray diffraction and thermal analysis	Journal of Thermal Analysis and Calorimetry, 2017, 130(1); 443-441 DOI 10.1007/s10973-017-6393-2	2.209	2017	Prim autor
57.	**Ionut Ledeti**, Sorin Bolintineanu, Gabriela Vlase, Denisa Circioban, Cristina Dehelean, Lenuta-Maria Suta, Angelica Caunii, Adriana Ledeti, Titus Vlase, Marius Murariu	Evaluation of solid-state thermal stability of donepezil in binary mixtures with excipients using instrumental techniques	Journal of Thermal Analysis and Calorimetry, 2017, 130(1); 425-431 DOI 10.1007/s10973-017-6250-3	2.209	2017	Prim autor
58.	Lenuţa-Maria Şuta, Gabriela Vlase, Titus Vlase, Germaine Balint-Săvoiu, Tudor Olariu, Ionela Belu, Adriana Ledeţ*, Marius-Sorin Murariu, Lavinia Stelea, **Ionuţ Ledeţi**	Thermal characterization of cholesterol in air vs. nitrogen atmosphere	Revista de Chimie –Bucharest, 2016; 67(1):84-86	1.232	2016	Coautor/Ultim autor
59.	Lenuţa-Maria Şuta, Gabriela Vlase, Titus Vlase, Tudor Olariu, **Ionuţ Ledeţi*,** Ionela Belu, Codruţ Ivan, Cristian Andrei Sarau, Germaine Balint-Săvoiu, Lavinia Stelea,	Solid state stability of cholesterol: preliminary kinetic analysis	Revista de Chimie –Bucharest, 2016; 67(1):113-115	1.232	2016	Coresp

	Adriana Ledeţi					
60.	Lenuţa-Maria Şuta, Gabriela Vlase, Adriana Ledeţi*,Titus Vlase, Petru Matusz, Cristina Trandafirescu, Denisa Cîrcioban, Sorin Olariu, Ivan Codruț, Marius Murariu, Lavinia Stelea, **Ionut Ledeți**	Solid-State Thermal Behaviour of Cholic Acid	Revista de Chimie –Bucharest, 2016, 67(2): 329-331	1.232	2016	Coautor/Ultim autor
61.	Adriana Ledeţi, Gabriela Vlase, **Ionut Ledeți*,** Titus Vlase, Petru Matusz, Cristina Dehelean, Denisa Cîrcioban, Lavinia Stelea, Lenuţa-Maria Şuta	Thermal Stability of Desipramine and Imipramine	Revista de Chimie –Bucharest, 2016, 67(2): 336-338	1.232	2016	Coresp
62.	Laura Sbârcea, Lucreţia Udrescu, **Ionuţ Ledeţi,** Zoltan Szabadai, Adriana Fuliaş*, Claudiu Sbârcea	β-Cyclodextrin inclusion complexes of lisinopril and zofenopril. Physicochemical characterization and compatibility study of lisinopril-β-cyclodextrin with lactose.	Journal of Thermal Analysis and Calorimetry 2016, 123(3): 2377-2390; DOI:10.1007/s10973-015-5045-7	1.953	2016	Coautor
63.	Lenuta Maria Suta, Petru Matusz, Adriana Ledeti*, Codrut Ivan, Marius Murariu, Mircea Constantin Sora, **Ionut Ledeti**	Embedding of Biliary Calculi in Plastic Materials. A viable solution for increasing their mechanical resistance during sampling	Materiale plastice, 2016; 53(1):19-22	0.778	2016	Coautor/Ultim autor
64.	Cristina Trandafirescu, Codruta Soica, Adriana Ledeti, Florin Borcan*, Lenuta-Maria Suta, Marius Murariu, Cristina Dehelean, Daniela Ionescu, **Ionut Ledeti**	Preformulation Studies for Albendazole. A DSC and FTIR analysis of binary mixtures with excipients	Revista de Chimie –Bucharest, 2016, 67(3): 463-467.	1.232	2016	Coautor/Ultim autor
65.	**Ionut Ledeti,** Gabriela Vlase, Titus Vlase, Marius Murariu, Cristina Trandafirescu, Lenuta Maria Suta, Cristina Dehelean, Adriana Ledeti*, Codruta Soica	Non-isothermal Isoconversional Kinetic Study Regarding the Degradation of Albendazole	Revista de Chimie –Bucharest, 2016, 67(3): 549-552.	1.232	2016	Prim autor
66.	Marius Sorin Murariu, Sorin Olariu, Codrut Ivan, **Ionut Ledeti*,** Titus Vlase, Gabriela Vlase, Adriana Ledeti, Nicoleta Iacob, Gratian Miclaus, Petru Matusz	Correlations Between Morphology and Instrumental Analysis of Human Gallstones - Preliminary Study	Revista de Chimie –Bucharest, 2016, 67(3): 575-579.	1.232	2016	Coresp
67.	Cristina Trandafirescu, **Ionut Ledeti,** Dorina E Coricovac, Codruta Soica*, Iulia Pinzaru, Cristina Dehelean, Radu E Iacob, Florin Borcan	Optimization of Hollow Aliphatic Polyurethane Particles Used as a Drug Delivery System	Materiale plastice, 2016; 53(2):205-210	0.778	2016	Coautor
68.	Diana Antal, Iulia Pinzaru, Florin Borcan, Teodora Marti, **Ionuţ Ledeţi,** Dorina Coricovac, Stefan Schweiger, Hermann Stuppner, Cristina Dehelean*, Evelyne Ollivier, Codruta Soica	Inclusion Complexes of the Aurone Sulfuretin and the Chalcone Butein from Cotinus coggygria Wood in Two Cyclodextrin Types First data on physico-chemical properties	Revista de Chimie –Bucharest, 2016, 67(6): 1104-1109	1.232	2016	Coautor
69.	**Ionut Ledeti,** Adriana Ledeti*, Gabriela Vlase, Titus Vlase, Petru Matusz, Vasile Bercean, Lenuta Maria Suta, Doina Piciu	Thermal stability of synthetic thyroid hormone L-thyroxine and L-thyroxine sodium salt hydrate both pure and in pharmaceutical formulations	Journal of Pharmaceutical and Biomedical Analysis, 2016; 125: 33–40 DOI: 10.1016/j.jpba.2016.03.026	3.255	2016	Prim autor
70.	Adriana Fulias, **Ionut Ledeti***, Gabriela Vlase, Titus Vlase, Codruta Soica, Cristina Dehelean, Camelia Oprean, Florina Bojin, Lenuta-Maria Suta, Vasile Bercean, Stefana Avram	Thermal degradation, kinetic analysis, and apoptosis induction in human melanoma for oleanolic and ursolic acids	Journal of Thermal Analysis and Calorimetry 2016; 125(2): 759-768 DOI:10.1007/s10973-015-5052-8	1.953	2016	Coresp
71.	**Ionut Ledeti**, Gabriela Vlase, Titus Vlase, Adriana Fulias *, Lenuta-Maria Suta	Comparative thermal stability of two similar-structure hypolipidemic agents – Simvastatin and Lovastatin. Kinetic Study	Journal of Thermal Analysis and Calorimetry 2016; 125(2): 769-775, DOI: 10.1007/s10973-015-5071-5	1.953	2016	Prim autor
72.	**Ionut Ledeti,** Vasile Bercean, Gabriela Vlase, Titus Vlase, Adriana Ledeti*, Lenuta Maria Suta	Betulonic Acid - Study of Thermal Degradation by Kinetic Approach	Journal of Thermal Analysis and Calorimetry 2016; 125(2): 785-791 DOI: 10.1007/s10973-016-5299-8	1.953	2016	Prim autor
73.	Diana Antal, Florina Ardelean, Iulia Pinzaru, Florin Borcan, **Ionuţ Ledeţi,** Dorina Coricovac, Istvan Zupko, Beatrice Baghdikian, Evelyne Ollivier, Codruta Soica, Sorin Bolintineanu	Effects of Cyclodextrin Complexation on the Anti-cancer Effects of Cotinus coggygria Extract and its Constituents, Butein and Sulfuretin	Revista de Chimie –Bucharest, 2016, 67(8): 1618-1622	1.232	2016	Coautor
74.	Roxana Blajovan, **Ionut Ledeti,** Gabriela Vlase, Adriana Ledeti*, Titus Vlase.	Study of thermal induced excipient-excipient interactions	Journal of Thermal Analysis and Calorimetry, 2016, 126(1): 171-179. DOI 10.1007/s10973-016-5348-3	1.953	2016	Coautor

75.	Adriana Ledeti, Gabriela Vlase, Titus Vlase, Vasile Bercean, Marius Sorin Murariu, **Ionut Ledeti*,** Lenuta-Maria Suta	Solid-State Preformulation Studies Of Amiodarone Hydrochloride	Journal of Thermal Analysis and Calorimetry 2016; 126(1): 181-187. DOI: 10.1007/s10973-016-5256-6	1.953	2016	Coresp
76.	Gabriela Vlase, Constantin Bolcu, Dorina Modra, Mihaela Budiul, **Ionuţ Ledeţi,** Paul Albu, Titus Vlase*	Thermal behavior of phthalic anhydride-based polyesters. Part I. Influence of the polyol on the thermal stability	Journal of Thermal Analysis and Calorimetry 2016; 126(1): 287-292 DOI: 10.1007/s10973-016-5509-4	1.953	2016	Coautor
77.	Adriana Ledeti, Gabriela Vlase, Denisa Circioban, **Ionut Ledeti,** Cristina Dehelean, Lavinia Stelea, Titus Vlase, Angelica Caunii	Comparative stability of Levodopa under thermal stress in both oxidative and inert media	Revista de Chimie –Bucharest, 2016, 67(12), 2648-2650	1.232	2016	Coresp
78.	**Ionut Ledeti,** Anda Alexa, Vasile Bercean, Gabriela Vlase,Titus Vlase, Lenuţa-Maria Şuta, Adriana Fuliaş*	Synthesis and Degradation of Schiff Bases Containing Heterocyclic Pharmacophore	International Journal Of Molecular Sciences, 2015, 16 (1) 1711-1727 DOI: 10.3390/ijms16011711	3.257	2015	Prim autor
79.	Lucreţia Udrescu*, Adriana Fuliaş, **Ionuţ Ledeţi,** Gabriela Vlase, Paul Barvinschi, Ludovic Kurunczi, Laura Sbârcea	Host-guest system of zofenopril and randomly methylated beta-cyclodextrin: preparation, characterization and solubilty	Revista de Chimie –Bucharest, 2015; 66(1): 17-20.	0.956	2015	Coautor
80.	**Ionut Ledeti,** Vasile Bercean*, Anda Alexa, Codruta Soica, Lenuta-Maria Suta, Cristina Dehelean, Cristina Trandafirescu, Delia Muntean, Monica Licker, Adriana Fulias	Preparation and Antibacterial Properties of Substituted 1,2,4-Triazoles	Journal of Chemistry, 2015, Article no. 879343, 1-5 DOI:10.1155/2015/879343	0.996	2015	Prim autor
81.	Lucretia Udrescu*, Laura Sbarcea, Adriana Fulias, **Ionut Ledeti,** Titus Vlase, Paul Barvinschi, Ludovic Kurunczi	Physicochemical characterization of zofenopril inclusion complex with 2-hydroxypropyl-beta-cyclodextrin	Journal of the Serbian Chemical Society, 2015; 80 (4): 485-497 DOI: 10.2298/JSC140828118U	0.97	2015	Coautor
82.	**Ionuţ Ledeţi,** Gabriela Vlase, Ionel Ciucanu, Tudor Olariu, Adriana Fuliaş*, Lenuţa-Maria Şuta, Ionela Belu	Analysis of solid binary systems containing simvastatin	Revista de Chimie –Bucharest, 2015; 66(2): 240-243	0.956	2015	Prim autor
83.	Codruţ Ivan, **Ionuţ Ledeţi *,** Gabriela Vlase, Titus Vlase, Adriana Fuliaş, Sorin Olariu	Study of Solid-State Behaviour of Some Human Gallstones	Revista de Chimie –Bucharest, 2015; 66(2): 265-270	0.956	2015	Coresp
84.	Laura Sbârcea, **Ionuţ Ledeţi,** Liana Drăgan, Ludovic Kurunczi, Adriana Fuliaş*, Lucreţia Udrescu	Fosinopril sodium–hydroxypropyl-β-cyclodextrin inclusion complex. Thermal decomposition kinetics and compatibility studies	Journal of Thermal Analysis and Calorimetry 2015; 120(1): 981-990. DOI: 10.1007/s10973-015-4450-2	1.781	2015	Coautor
85.	Lenuta-Maria Suta, **Ionut Ledeti*,** Liana Suciu, Daniel Hadaruga, Adriana Fulias, Ionela Belu	Study Regarding the Behaviour of Encapsulated Piroxicam in Liquid Media	Revista de Chimie –Bucharest, 2015; 66(5):718-721.	0.956	2015	Coresp
86.	**Ionut Ledeti,** Gabriela Vlase, Titus Vlase, Ionel Ciucanu, Tudor Olariu, Anamaria Todea, Adriana Fulias*, Lenuta-Maria Suta	Instrumental Analysis of Potential Lovastatin - excipient Interactions in Preformulation Studies	Revista de Chimie –Bucharest, 2015; 66(6):879-882.	0.956	2015	Prim autor
87.	Amina Ramona Popovici, Gabriela Vlase*, Titus Vlase, Lenuţa-Maria Suta, Călin Popoiu, **Ionut Ledeti,** Gheorghe Iovănescu, Adriana Fulias	Local anesthesic agents. Part III. Study of solid dosage forms with pharmaceutical excipients	Revista de Chimie –Bucharest, 2015; 65(7):1046-1051	0.956	2015	Coautor
88.	Codrut Ivan, Lenuta-Maria Suta, Tudor Olariu, **Ionut Ledeti*,** Gabriela Vlase, Titus Vlase, Sorin Olariu, Petru Matusz, Adriana Fulias	Preliminary kinetic study for heterogenous degradation of cholesterol - containing human biliary stones	Revista de Chimie –Bucharest, 2015, 66(8):1253-1255.	0.956	2015	Coresp
89.	**Ionuţ Ledeţi,** Gabriela Vlase*, Titus Vlase, Vasile Bercean, Adriana Fuliaş	Kinetic of solid state degradation of transitional coordinative compounds containing functionalized 1,2,4 - triazolic ligand	Journal of Thermal Analysis and Calorimetry, 2015, 121(3): 1049-1057 DOI: 10.1007/s10973-015-4520-5	1.781	2015	Prim autor
90.	Adriana Fuliaş, Gabriela Vlase, Titus Vlase, Lenuţa-Maria Şuta, Codruţa Şoica, **Ionuţ Ledeţi***	Screening and characterization of cocrystal formation between carbamazepine and succinic acid	Journal of Thermal Analysis and Calorimetry, 2015, 121(3):1081-1086 DOI: 10.1007/s10973-015-4473-8	1.781	2015	Coresp
91.	Adriana Fuliaş, Gabriela Vlase, **Ionuţ Ledeţi*,** Lenuţa-Maria Şuta	Ketoprofen-Cysteine Equimolar Salt. Synthesis, Thermal Analysis, PXRD and FTIR Spectroscopy Investigation	Journal of Thermal Analysis and Calorimetry, 2015, 121(3): 1087-1091 DOI: 10.1007/s10973-015-4516-1	1.781	2015	Coresp
92.	**Ionut Ledeti,** Gabriela Vlase, Titus Vlase, Lenuta-Maria Suta, Anamaria Todea, Adriana Fulias*	Selection of solid-state excipients for simvastatin dosage forms through thermal and nonthermal techniques	Journal of Thermal Analysis and Calorimetry 06/2015; 121(3):1093-1102 DOI: 10.1007/s10973-015-4832-5	1.781	2015	Prim autor
93.	Ionut Ledeti, Gabriela Vlase, Titus Vlase, Adriana Fulias*	Kinetic analysis of solid-state degradation of pure pravastatin	Journal of Thermal Analysis and Calorimetry 06/2015; 121(3):1103-	1.781	2015	Prim autor

		versus pharmaceutical formulation	1110. DOI: 10.1007/s10973-015-4842-3			
94.	**Ionuţ Ledeţi,** Ştefana Avram*, Vasile Bercean, Gabriela Vlase, Titus Vlase, Adriana Ledeţi* Istvan Zupko, Marius Mioc, Lenuţa-Maria Şuta, Codruta Soica, Cristina Dehelean	Solid-State Characterization and Biological Activity of Betulonic Acid Derivatives	Molecules, 2015, 20(12): 22691-22702 DOI:10.3390/molecules201219876	2.465	2015	Prim autor
95.	Rodica Narcisa Tanasescu, Adriana Fulias*, **Ionut Ledeti,** Mariana Ioana Miron, Petru Matusz	Evaluation of mineral composition in the area of the cortical osteoporotic bone: a fourier transform infrared spectroscopy (FTIR) and scanning electronic microscopy (SEM) study	Revista de Chimie –Bucharest, 2015; 66(12):2047-2050	0.956	2015	Coautor
96.	Adriana Fulias, Calin Popoiu*, Gabriela Vlase, Titus Vlase, Daniela Onetiu, Germaine Savoiu, Georgeta Simu, Cristina Patruescu, Gheorghe Ilia, **Ionut Ledeti**	Thermoanalytical And Spectroscopic Study On Methotrexate – Active Substance And Tablet	Digest Journal of Nanomaterials and Biostructures, 2014; 9(1):93-98.	0.945	2014	Coautor/Ultim autor
97.	Gheorghe Nodiţi, Adriana Fuliaş*, **Ionut Ledeţi**	Methotrexate as coordination complex ligand: Study of interaction with Zn(II)	Digest Journal of Nanomaterials and Biostructures, 2014, 9(1), 251-260.	0.945	2014	Coautor/Ultim autor
98.	Gheorghe Nodiţi, **Ionut Ledeţi***, Georgeta Simu, Lenuta-Maria Suta, Daniela Onetiu, Adriana Fulias	Microwave - Assisted synthesis of local anaesthetic procaine from benzocaine	Revista de Chimie –Bucharest, 2014, 65(1), 65-67	0.810	2014	Coresp
99.	Lucretia Udrescu*, Laura Sbarcea, Adriana Fulias, **Ionut Ledeti,** Gabriela Vlase, Paul Barvinschi, Ludovic Kurunczi	Physicochemical analysis and molecular modeling of the fosinopril β-cyclodextrin inclusion complex	Journal of Spectroscopy, 2014, art.no 748468, 1-14 DOI:10.1155/2014/748468	0.538	2014	Coautor
100.	**Ionut Ledeti,** Georgeta Simu*, Gabriela Vlase, Titus Vlase, Tudor Olariu, Germaine Savoiu, Lenuta-Maria Suta, Calin Popoiu, Adriana Fulias	Ni(II) Coordination Compound with Acetaminophen. Synthesis and Characterization	Revista de Chimie –Bucharest, 2014; 65(5): 556-559.	0.810	2014	Prim autor
101.	Tudor Olariu, Lenuta-Maria Suta, Calin Popoiu, **Ionut Ledeti***, Georgeta Simu, Germaine Savoiu, Adriana Fulias	Alternative Synthesis of Paracetamol and Aspirin Under Non-conventional Conditions	Revista de Chimie –Bucharest, 2014; 65(6): 633-635.	0.81	2014	Coresp
102.	Georgeta Simu, **Ionut Ledeti,** Simona Muntean, Adriana Fulias, Ioana Citu, Codruta Soica, Doina Onisei, Germaine Savoiu-Balint,Iulia Pinzaru*,Daniela Ionescu	Study of the interaction of some pharmaceutical compounds with different cellulosic supports	Revista de Chimie –Bucharest, 2014; 65(6): 664-670.	0.81	2014	Coautor
103.	Mihail Birzescu, Marius Milea, Dan Rosu, **Ionuţ Ledeti*,** Madian Rafaila, Viorel Sasca, Mircea Niculescu	Synthesis and thermal analysis of the nickel(II) oxalate obtained through the reaction of ethylene glycol with $Ni(NO_3)_2 \cdot 6H_2O$	Revue Roumaine de Chimie, 2014, 59(6-7), 555-563	0.311	2014	Coresp
104.	Iulia Pinzaru, Cristina Trandafirescu, Zoltan Szabadai, Marius Mioc, **Ionuţ Ledeti,** Dorina Coricovac, Sorina Ciurlea*, Roxana Ghiulai, Zorin Crainiceanu,Georgeta Simu	Synthesis and Biological Evaluation of Some Pentacyclic Lupane Triterpenoid Esters	Revista de Chimie –Bucharest, 2014; 65(7): 848-851	0.81	2014	Coautor
105.	**Ionut Ledeti,** Titus Vlase, Gabriela Vlase, Lenuta Maria Suta*, Adriana Fulias, Ionela Belu	Synthesis and Solid - state Characterization of a Cobalt(II) Triazolic Complex	Revista de Chimie –Bucharest, 2014; 65(8): 897-902.	0.81	2014	Prim autor
106.	Gheorghe Pupca, Viorel Bucuras, Gabriela Vlase, Titus Vlase, Adriana Fulias*, **Ionut Ledeţi**	Solid-State Analysis of Some Urinary Calculi	Revista de Chimie –Bucharest, 2014; 65(9):1058-1062	0.81	2014	Coautor/Ultim autor
107.	Mircea Niculescu, **Ionut Ledeti*,** Mihail Birzescu	New methods to obtain carboxylic acids by oxidation reactions of 1,2-ethanediol with metallic nitrates	Journal Of Organometallic Chemistry, 2014; 767, 108-111 DOI:10.1016/j.jorganchem.2014.05.041	2.173	2014	Coresp
108.	Maria Ilici, Vasile Bercean, Monica Venter, **Ionut Ledeti***, Tudor Olariu, Lenuta-Maria Suta, Adriana Fulias	Investigations on the Thermal-Induced Degradation of Transitional Coordination Complexes Containing (3H-2-thioxo-1,3,4-thiadiazol-5-yl)thioacetate Moiety	Revista de Chimie –Bucharest, 2014; 65(10):1142-1145.	0.81	2014	Coresp
109.	Adriana Fulias, Gabriela Vlase, Codruta Soica, Vasile Bercean, Titus Vlase, **Ionut Ledeti***	Thermal behaviour of a modified encapsulation agent. Heptakis-6-iodo-6-deoxy-beta-cyclodextrin	Journal of Thermal Analysis and Calorimetry, 2014, 118 (2), 961-966. DOI: 10.1007/s10973-014-3727-1	2.042	2014	Coresp
110.	Adriana Fulias, Gabriela Vlase*, Titus	Thermal degradation of B-group	Journal of Thermal Analysis and	2.042	2014	Coautor/Ul

	Vlase, Daniela Onetiu, Nicolae Doca, **Ionut Ledeti**	vitamins: B1, B2 and B6. Kinetic study	Calorimetry, 2014, 118 (2), 1033-1038. DOI: 10.1007/s10973-014-3847-7			tim autor
111.	**Ionut Ledeti,** Gabriela Vlase*, Titus Vlase, Nicolae Doca, Vasile Bercean, Adriana Fulias	Thermal decomposition, kinetic study and evolved gas analysis of 1,3,5-triazine-2,4,6-triamine	Journal of Thermal Analysis and Calorimetry, 2014, 118 (2), 1057-1063. DOI: 10.1007/s10973-014-3848-6	2.042	2014	Prim autor
112.	Bogdan Tita*, **Ionut Ledeti**, Geza Bandur, Dumitru Tita.	Compatibility study between indomethacin and excipients in their physical mixtures	Journal of Thermal Analysis and Calorimetry, 2014, 118 (2), 1293-1304. DOI: 10.1007/s10973-014-3986-x	2.042	2014	Coautor
113.	Codruta Soica, Adriana Fuliaş*, Gabriela Vlase, Cristina Dehelean, Titus Vlase, **Ionuţ Ledeţi.**	Synthesis and Thermal Behaviour of New Ambazone Complexes with some Transitional Metals	Journal of Thermal Analysis and Calorimetry, 2014, 118 (2), 1305-1311. DOI: 10.1007/s10973-014-3858-4	2.042	2014	Coautor/Ultim autor
114.	Adriana Fulias, Codruta Soica, **Ionut Ledeti,** Titus Vlase, Gabriela Vlase, Lenuta-Maria Suta*, Ionela Belu	Characterization of pharmaceutical acetylsalicylic acid - theophylline cocrystal obtained by slurry method under microwave irradiation	Revista de Chimie –Bucharest, 2014; 65 (11): 1281-1284.	0.81	2014	Coautor
115.	**Ionut Ledeti,** Claudiu Silviu Bosca, Cristian Cosma, Valentin Badea*, Anamaria Todea, Vasile Bercean	Study on Obtaining 3-oxolup-20(29)-en-28-oic Acid (Betulonic Acid) from (3 beta)- lup-20(29)-en-3,28-diol (betulin)	Revista de Chimie –Bucharest, 2014, 65 (11); 1289-1293	0.81	2014	Prim autor
116.	Mircea Niculescu, Petru Budrugeac, **Ionut Ledeti*,** Vasile Pode, Mihail Birzescu	Synthesis and characterization of the polynuclear coordination compound obtained through the reaction of 1,3-propanediol with $Cu(NO_3)_2 \cdot 3H_2O$	Revue Roumaine de Chimie, 2013, 58(4-5), 387-392	0.393	2013	Coresp
117.	**Ionuţ Ledeţi,** Adriana Fuliaş*, Gabriela Vlase, Titus Vlase, Nicolae Doca	Novel Triazolic Copper (II) Complex: Synthesis, Thermal Behaviour And Kinetic Study	Revue Roumaine de Chimie, 2013, 58(4-5), 441-450.	0.393	2013	Prim autor
118.	Adriana Fuliaş, Gabriela Vlase,Titus Vlase,Codruţa Soica, Alina Heghes, Marius Craina*, **Ionuţ Ledeti**	Comparative kinetic analysis on thermal degradation of some cephalosporins using TG and DSC data	Chemistry Central Journal, 2013, 7, article no. 70 DOI:10.1186/1752-153X-7-70	1.663	2013	Coautor/Ultim autor
119.	Mircea Niculescu, Dan Rosu, **Ionuţ Ledeti*,** Marius Milea, Petru Budrugeac	Thermal and spectroscopic studies of Ni(II)-Fe(III) heteropolynuclear coordination compound obtained through the reaction of 1,2-ethanediol with metallic nitrates	Revue Roumaine de Chimie, 2013, 58(6), 543-552	0.393	2013	Coresp
120.	Adriana Fuliaş, **Ionuţ Ledeţi***, Gabriela Vlase, Titus Vlase	Physico-chemical solid-state characterization of pharmaceutical pyrazolones: An unexpected thermal behaviour	Journal of Pharmaceutical and Biomedical Analysis, 81–82, July–August 2013, 44–49 DOI: 10.1016/j.jpba.2013.03.018	2.829	2013	Coresp
121.	Adriana Fulias, Gabriela Vlase*,Carmen Grigorie, **Ionuţ Ledeţi**, Paul Albu, Mihai Bilanin, Titus Vlase	Thermal behaviour studies of procaine and benzocaine: Part 1. Kinetic analysis of the active substances under non-isothermal conditions	Journal of Thermal Analysis and Calorimetry, 2013, 113(1), 265-271 DOI: 10.1007/s10973-013-2959-9	2.206	2013	Coautor
122.	Adriana Fuliaş#, **Ionuţ Ledeţi#,** Gabriela Vlase#, Călin Popoiu#*, Alina Hegheş#, Mihai Bilanin#, Titus Vlase#, Dorina Gheorgheosu, Marius Craina, Simona Ardelean, Otilia Mărginean, Liana Moş	Thermal behaviour of procaine and benzocaine Part II: compatibility study with some pharmaceutical excipients used in solid dosage forms	Chemistry Central Journal, 2013, 7:140. DOI: 10.1186/1752-153X-7-140	1.663	2013	Coautor
123.	**Ionuţ Ledeţi,** Georgeta Simu, Gabriela Vlase, Germaine Săvoiu, Titus Vlase, Lenuţa-Maria Şuta, Călin Popoiu*, Adriana Fuliaş	Synthesis and Solid-State Characterization of Zn(II) Metal Complex with Acetaminophen.	Revista de Chimie –Bucharest, 2013, 64(10), 1127-1130.	0.677	2013	Prim autor
124.	Lenuta-Maria Suta, Lavinia Vlaia*, Adriana Fulias, **Ionut Ledeti,** Daniel Hadaruga, Constantin Mircioiu	Evaluation study of the inclusion complexes of some oxicams with 2-hydroxypropyl-β-cyclodextrin	Revista de Chimie –Bucharest, 2013; 64(11):1279-1283.	0.677	2013	Coautor
125.	**Ionut Ledeti,** Adriana Fulias*, Gabriela Vlase, Titus Vlase, Vasile Bercean,	Thermal behaviour and kinetic study of some triazoles as	Journal of Thermal Analysis and Calorimetry, 2013, 114(3): 1295-	2.206	2013	Prim autor

	Nicolae Doca	potential anti-inflammatory agents	1305 https://doi.org/10.1007/s10973-013-3123-2			
126.	Cristina Dehelean, Codruţa Şoica*, **Ionut Ledeti,** Mihaela Aluas, Istvan Zupko, Atena Găluşcan, Simona Cinta-Pinzaru, Melania Munteanu	Study of the betulin enriched birch bark extracts effects on human carcinoma cells and ear inflammation	Chemistry Central Journal, 2012, 6, article no. 137, 1-9 DOI:10.1186/1752-153X-6-137	3.281	2012	Coautor
127.	Bogdan Tiţa*, Adriana Fuliaş, Geza Bandur, **Ionuţ Ledeţi,** Dumitru Tiţa	Application of thermal analysis to study the compatibility of sodium diclofenac with different pharmaceutical excipients	Revista de Chimie –Bucharest, 62(4), 2011, 443–454.	0.599	2011	Coautor
128.	Vasile Bercean*, **Ionuţ V. Ledeţi,** Valentin Badea, Mihaela Bălan, Carol Csunderlik	New heterocyclic tioethers derived from 3-substituted-4H-4-amino-5-mercapto-1,2,4-triazoles and succinic acid	Revista de Chimie –Bucharest, 61(11), 2010, 1028-1030.	0.693	2010	Coautor
129.	**Ionuţ V. Ledeţi,** Vasile Bercean*, Ionuţ M. Tănase, Andreea Creangă, Valentin Badea, Carol Csunderlik	New azomethine Derivatives of 3-substituted-4H-4-amino-5-Ethoxycarbonyl-methylsulfanyl-1,2,4-triazoles as Potential Anti-inflammatory Agents	Revista de Chimie –Bucharest, 61(10), 2010, 935-937.	0.693	2010	Prim autor
130.	**Ionuţ V. Ledeţi*,** Vasile N. Bercean, Valentin Badea, Mihaela Bălan, Carol Csunderlik	The alkylation of 1H-5-mercapto-3-phenyl -1,2,4-triazole and 4H-4-amino-5-mercapto-3-phenyl -1,2,4-triazole	Revista de Chimie –Bucharest, 61(9), 2010, 833-837.	0.693	2010	Prim autor

B1.2 PROCEEDING PAPERS PUBLICATE IN EXTENSO ÎN FLUXUL ISI (cu * sunt marcați autorii corespondenți, cu # sunt marcați autorii cu contribuție egală)

Nr. crt.	Autorii	Titlul articolului	Conferința/Revista	FI	Anul pentru FI	Autor
1.	Emiliana-Laura Andreici Eftimie*, Roxana Roman, Mirela Nicolov**, Ionuț Ledeți**, Zoltan Szabadai, Nicolae M. Avram	DFT Calculation of Vibrational Frequencies for Betulinic Acid Methanol Monosolvate	TIM15-16 PHYSICS CONFERENCE Edited by:Vizman, D; Popescu, A Book Series: AIP Conference Proceedings Volume: 1796, Article Number: 030012, DOI: 10.1063/1.4972377 Published:2017 Conference: TIM15-16 Physics Conference Location: W Univ Timisoara, Phys Fac, Timisoara, ROMANIA Date: MAY 26-28, 2016	-	-	Coautor
2.	Adriana Fulias, Gabriela Vlase, Anamaria Todea, Titus Vlase, **Ionut Ledeti***	Thermal Characterization of Polymeric Coatings for Pharmaceutical Dosage Forms	Macromolecular Symposia 06/2015; 352(1):59-65. DOI:10.1002/masy.201400154	0.913	2015	Coresp

B1.3 MEETING ABSTRACTS PUBLICATE ÎN FLUXUL ISI

Nr. crt.	Autorii	Titlul articolului	Conferința/Revista	FI	Anul pentru FI	Autor
1.	Valentina Oana Buda, Olivia Dalleur, Andreea Prelipcean, Dana Emilia Man, Octavian Cretu, Minodora Andor, Corina Danciu, **Ionut Ledeti**, Lucian Petrescu	Misuse of Drugs in Romanian Elderly Population	Atherosclerosis Volume 331 Page E269-E270 Meeting Abstract P668 Published AUG 2021 Indexed 2021-09-23 Document Type Meeting Abstract	6.851	2021	Coautor
2.	Valentina Oana Buda, Andreea Prelipcean, Minodora Andor, Carmen Cristescu, Maria Suciu, Liana Suciu, Maria Cristiana Mabda, Mirela Voicu, Corina Danciu, **Ionut Ledeti**, Lucian	Excessive Prescription of NSAIDS and Theophylline in Primary Care Setting of Romanian Elderly Population	Atherosclerosis Volume 331 Page E270-E270 Meeting Abstract P669 Published AUG 2021	6.851	2021	Coautor

Petrescu, Olivia Dalleur	Indexed 2021-09-23 Document Type Meeting Abstract

B2. LUCRĂRI ȘTIINȚIFICE PUBLICATE IN EXTENSO ÎN REVISTE BDI

Nr.crt.	Autorii	Titlul articolului	Revista	Autor
1.	Amalia Ridichie, Adriana Ledeţi*, Denisa Ivan, Carmen Tomoroga, Laura Sbârcea, Lenuța-Maria Șuta, Răzvan Bertici, Anca Dragomirescu, Florentin Crăineanu, **Ionuț Ledeţi**	Solid-State Characterization of Mupirocin and Metronidazole	Timisoara Med. 2023, 2023(2), 3; doi: 10.35995/tmj20230203	Ultim autor
2.	Denisa Circioban, **Ionuț Ledeţi***, Gabriela Vlase, Titus Vlase, Adriana Ledeţi	Solid State Stability and Preformulation Studies for Acetylcholinesterase Inhibitor Drug Tacrine	Timisoara Med. 2020, 2020(1), 4; doi:10.35995/tmj20200104.	Corespondent
3.	**Ionuţ V. Ledeţi,** Andreea A. Alexa, Vasile N. Bercean	Structural NMR Analysis of Triazolic Compounds Derived From Isonicotinic Acid	Annals of West University of Timişoara, Series Chemistry 2011, 20(1), 81-86	Prim autor
4.	**Ionuţ V. Ledeţi,** Vasile N. Bercean, Andreea A. Alexa	Novel Complexes of Copper (II) and Cadmium (II) with S-functionalised 1,2,4-Triazolic Ligand: Vibrational Study	Annals of West University of Timişoara, Series Chemistry 2011, 20(1), 87-93	Prim autor
5.	A.A. Creangă, V.N. Bercean, V. Badea, **I. Ledeţi**, Carol Csunderlik	Benzoylation of thiosemicarbazide	Chem. Bull. "Politehnica" Univ. (Timişoara), 53(67), 1-2, 2008, 45-49.	Coautor

C. REZUMATE PREZENTATE LA CONFERINȚE INTERNAȚIONALE ȘI NAȚIONALE PUBLICATE ÎN VOLUME (selecție)

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9. Preformulation studies for atorvastatin calcium

MIHAELA CRISTEA, BIANCA BAUL**, IONUŢ LEDEŢI***, ADRIANA LEDEŢI, GABRIELA VLASE, TITUS VLASE, BOŻENA KAROLEWICZ, OANA ŞTEFĂNESCU, ANCA OCTAVIA DRAGOMIRESCU, CEZARA MUREŞAN, DAN-SIMION CIPU, DANA VELIMIROVICI, MIRCEA ŞTEFĂNESCU
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2020-50091

10. Betulonic acid-cyclodextrins inclusion complexes
LAURA SBÂRCEA, ADRIANA LEDEŢI*, LUCREŢIA UDRESCU, RENATA-MARIA VĂRUŢ, PAUL BARVINSCHI, GABRIELA VLASE, **IONUŢ LEDEŢI**
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2020-50082

11. Preparation, physicochemical characterization and biological activity evaluation of some inclusion complexes containing artesunate
DENISA CIRCIOBAN, ADRIANA LEDETI*, GABRIELA VLASE, **IONUT LEDETI**, TITUS VLASE, RENATA VARUT, IOANA-ZINUCA PAVEL, CRISTINA DEHELEAN
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2020-49971

12. Albendazole-cyclodextrins binary systems Thermal and spectral investigation on drug-excipient interaction
CRISTINA TRANDAFIRESCU#, **IONUŢ LEDEŢI#**, CODRUŢA ŞOICA*, ADRIANA LEDEŢI, GABRIELA VLASE, FLORIN BORCAN, CRISTINA DEHELEAN, DORINA CORICOVAC, ROXANA RACOVICEANU, ZOLTÁN AIGNER
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2020-49960

13. Solid State Stability and Kinetics of Degradation for Candesartan-Pure Compound and Pharmaceutical Formulation
VALENTINA BUDA, BIANCA BAUL, MINODORA ANDOR, DANA EMILIA MAN, ADRIANA LEDEȚI*, GABRIELA VLASE, TITUS VLASE, CORINA DANCIU, PETRU MATUSZ, FRANCISC PETER, I**ONUȚ LEDEȚI**
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2020-49930

14. Thermal degradation, kinetic analysis and evaluation of biological activity on human melanoma for artemisinin
DENISA CIRCIOBAN, ADRIANA LEDETI, GABRIELA VLASE, ALINA MOACĂ, **IONUT LEDETI**, CLAUDIA FARCAȘ, TITUS VLASE, CRISTINA DEHELEAN
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2019-30648

15. Kinetics of heterogeneous-induced degradation for artesunate and artemether
DENISA CIRCIOBAN, **IONUT LEDETI**, GABRIELA VLASE, ADRIANA LEDETI, CARMEN AXENTE, TITUS VLASE, CRISTINA DEHELEAN
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2019-30651

16. Study of solid-state degradation of prochlorperazine and promethazine
IONUT LEDETI, AGNETA PUSZTAI, CEZARA MUREȘAN, DENISA CIRCIOBAN, GABRIELA VLASE, MARIUS MURARIU, LENUȚA-MARIA ȘUTA, TITUS VLASE, ADRIANA LEDETI, OANA SUCIU, VALENTINA BUDA, PETRU MATUSZ
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2019-30654

17. Study of kinetic characteristics of 6-ethyl chenodeoxycholic acid and deoxycholic acid decomposition in non-isothermal conditions
IONUT LEDETI, AGNETA PUSZTAI, CEZARA MUREȘAN, DENISA CIRCIOBAN, GABRIELA VLASE, CARMEN AXENTE, LENUȚA-MARIA ȘUTA, TITUS VLASE, PETRU MATUSZ, ADRIANA LEDETI, OANA SUCIU, VALENTINA BUDA, MARIUS MURARIU
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2019-30657

18. Decreased sEng plasma levels in hypertensive patients with endothelial dysfunction under chronic treatment with Perindopril
VALENTINA BUDA, MINODORA ANDOR, DANA EMILIA BAIBATA, RAMONA COZLAC, GABRIELA RADU, DORINA CORICOVAC, CORINA DANCIU, **IONUT LEDETI,** ADELINA CHEVERESAN, CRISTIAN NICA, PAUL TUDUCE, MIRELA CLEOPATRA TOMESCU
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2019-37360

19. Evaluation of thermal stability and kinetic of degradation for levodopa in non-isothermal conditions
ADRIANA LEDETI, TUDOR OLARIU, ANGELICA CAUNII, ANGELICA CAUNII, GABRIELA VLASE, DENISA CIRCIOBAN, BIANCA BAUL, **IONUT LEDETI**, TITUS VLASE, MARIUS MURARIU
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2018- 26319

20. Kinetic study for solid-state degradation of mental disorder therapeutic agents: amitriptyline, desipramine and imipramine
ADRIANA LEDETI, GABRIELA VLASE, TITUS VLASE, DENISA CIRCIOBAN, CRISTINA DEHELEAN, **IONUT LEDETI**
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2018- 26330

21. Binary adduct formation of desipramine with dicarboxylic acids An instrumental study
ADRIANA LEDETI, GABRIELA VLASE, TITUS VLASE, DENISA CIRCIOBAN, CRISTINA DEHELEAN, **IONUT LEDETI**, LENUTA-MARIA SUTA
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2018-26334

22. Preformulation studies for nortriptyline. Solid-state compatibility with pharmaceutical excipients
IONUT LEDETI, MIHAELA BUDIUL, PETRU MATUSZ, GABRIELA VLASE, DENISA CIRCIOBAN, CRISTINA DEHELEAN, LENUTA-MARIA SUTA, ANGELICA CAUNII, ADRIANA LEDETI, TITUS VLASE, MARIUS MURARIU, SORIN BOLINITINEANU
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2018-26544

23. Investigation of thermal-induced decomposition of iodoform
IONUT LEDETI, MARIUS MURARIU, GABRIELA VLASE, TITUS VLASE, NICOLAE DOCA, ADRIANA LEDETI*, LENUTA-MARIA SUTA, TUDOR OLARIU
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2017-19358

24. Compatibility study between antiparkinsonian drug Levodopa and excipients by FTIR spectroscopy, X-ray diffraction and thermal analysis
IONUT LEDETI, SORIN BOLINTINEANU, GABRIELA VLASE, DENISA CIRCIOBAN, ADRIANA LEDETI, TITUS VLASE, LENUTA-MARIA SUTA, ANGELICA CAUNII, MARIUS MURARIU
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2017-19360

25. Evaluation of solid-state thermal stability of donepezil in binary mixtures with excipients using instrumental technique
IONUT LEDETI, SORIN BOLINTINEANU, GABRIELA VLASE, DENISA CIRCIOBAN, CRISTINA DEHELEAN, LENUTA-MARIA SUTA, ANGELICA CAUNII, ADRIANA LEDETI, TITUS VLASE, MARIUS MURARIU
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2017-19875

26. Comparative Solid-State Stability of Perindopril Active Substance vs. Pharmaceutical Formulation
VALENTINA BUDA, MINODORA ANDOR, ADRIANA LEDETI, **IONUT LEDETI***, GABRIELA VLASE, TITUS VLASE, CARMEN CRISTESCU, MIRELA VOICU, LIANA SUCIU, MIRELA TOMESCU

Premiată UEFISCDI PN-III-P1-1.1- PRECISI-2017-19877

27. Thermal stability of synthetic thyroid hormone L-thyroxine and L-thyroxine sodium salt hydrate both pure and in pharmaceutical formulations
IONUT LEDETI, ADRIANA LEDETI*, GABRIELA VLASE, TITUS VLASE, PETRU MATUSZ, VASILE BERCEAN, LENUTA MARIA SUTA, DOINA PICIU
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2016-11865

28. Ketoprofen–cysteine equimolar salt. Synthesis, thermal analysis, PXRD and FTIR spectroscopy investigation
ADRIANA FULIAŞ, GABRIELA VLASE, **IONUŢ LEDEŢI,** LENUŢA-MARIA ŞUTA
Premiată UEFISCDI PN-II-RU-PRECISI- 2015-9-8634

29. Kinetic of solid state degradation of transitional coordinative compounds containing functionalized 1,2,4 -triazolic ligand
LEDETI IONUT, VLASE GABRIELA, VLASE TITUS, BERCEAN VASILE, FULIAS ADRIANA
Premiată UEFISCDI PN-II-RU-PRECISI-2015-9-8666

30. Screening and characterization of cocrystal formation between carbamazepine and succinic acid
ADRIANA FULIAS, GABRIELA VLASE, TITUS VLASE, LENUŢA-MARIA ŞUTA, CODRUŢA ŞOICA, **IONUŢ LEDEŢI**
Premiată UEFISCDI PN-II-RU-PRECISI-2015-9-8701

31. Selection of solid-state excipients for simvastatin dosage forms through thermal and nonthermal techniques,
IONUŢ LEDEŢI, GABRIELA VLASE, TITUS VLASE, LENUŢA-MARIA ŞUTA, ANAMARIA TODEA, ADRIANA FULIAŞ
Premiată UEFISCDI PN-II-RU-PRECISI- 2015-9-8860

32. Kinetic analysis of solid-state degradation of pure pravastatin versus pharmaceutical formulation
LEDETI IONUT, VLASE GABRIELA, VLASE TITUS, FULIAS ADRIANA
Premiată UEFISCDI PN-II-RU-PRECISI-2015-9-8887

33. Fosinopril sodium–hydroxypropyl-β-cyclodextrin inclusion complex. Thermal decomposition kinetics and compatibility studies
SBARCEA LAURA**, LEDETI IONUT**, DRAGAN LIANA, KURUNCZI LUDOVIC, FULIAS ADRIANA, UDRESCU LUCRETIA
Premiată UEFISCDI PN-II-RU-PRECISI-2015-9-9059

34. Synthesis and Degradation of Schiff Bases Containing Heterocyclic Pharmacophore
IONUŢ LEDEŢI, ANDA ALEXA, VASILE BERCEAN, GABRIELA VLASE, TITUS VLASE, LENUŢA-MARIA ŞUTA, ADRIANA FULIAŞ
Premiată UEFISCDI PN-II-RU-PRECISI- 2015-9-8284

35. New methods to obtain carboxylic acids by oxidation reactions of 1,2-ethanediol with metallic nitrates
NICULESCU MIRCEA, **LEDETI IONUT**, BIRZESCU MIHAIL
Premiată UEFISCDI PN-II-RU-PRECISI-2014-8-7095

36. Synthesis and thermal behavior of new ambazone complexes with some transitional cations
SOICA CODRUTA, FULIAS ADRIANA, VLASE GABRIELA, DEHELEAN CRISTINA, VLASE TITUS, **LEDETI IONUT**
Premiată UEFISCDI PN-II-RU-PRECISI-2014-8-7272

37. Physico-chemical solid-state characterization of pharmaceutical pyrazolones: An unexpected thermal behavior
FULIAS ADRIANA VIOLETA, **LEDETI IONUT VALENTIN**, VLASE GABRIELA, VLASE TITUS
Premiată UEFISCDI PN-II-RUPRECISI-2013-7-3693

38. Study of the betulin enriched birch bark extracts effects on human carcinoma cells and ear inflammation
DEHELEAN CRISTINA, SOICA CODRUTA, **LEDETI IONUT**, ALUAS MIHAELA, GALUSCAN ATENA, PINZARU SIMONA, MUNTEANU MELANIA
Premiată UEFISCDI PN-II-RUPRECISI-2013-7-3924

39. Comparative kinetic analysis on thermal degradation of some cephalosporins using TG and DSC data
FULIAS ADRIANA VIOLETA, VLASE GABRIELA, VLASE TITUS, SOICA CODRUTA, HEGHES ALINA, CRAINA MARIUS, **LEDETI IONUT**
Premiată UEFISCDI PN-II-RUPRECISI-2013-7-3970

G. PROIECTE DE CERCETARE ŞI PUBLICAŢII REZULTATE

1) **Director de proiect**, Programul II-C2-TC-2014, Universitatea de Medicină şi Farmacie „Victor Babeş" din Timişoara, Proiect SYNT, 5000 euro, 2014, 5 publicaţii:

1. Kinetic of solid-state degradation of transitional coordinative compounds containing functionalized 1,2,4-triazolic ligand
By: Ledeti, Ionut; Vlase, Gabriela; Vlase, Titus; et al.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 121 Issue: 3 Pages: 1049-1057 Published: SEP 2015
2. Preparation and Antibacterial Properties of Substituted 1,2,4-Triazoles
By: Ledeti, Ionut; Bercean, Vasile; Alexa, Anda; et al.
JOURNAL OF CHEMISTRY Article Number: 879343 Published: 2015
3. Investigations on the Thermal-Induced Degradation of Transitional Coordination Complexes Containing (3H-2-thioxo-1,3,4-thiadiazol-5-yl)thioacetate Moiety
By: Ilici, Maria; Bercean, Vasile; Venter, Monica; et al.
REVISTA DE CHIMIE Volume: 65 Issue: 10 Pages: 1142-1145 Published: OCT 2014
4. Synthesis and Solid - state Characterization of a Cobalt(II) Triazolic Complex
By: Ledeti, Ionut; Vlase, Titus; Vlase, Gabriela; et al.
REVISTA DE CHIMIE Volume: 65 Issue: 8 Pages: 897-902 Published: AUG 2014
5. Alternative Synthesis of Paracetamol and Aspirin under Non-conventional Conditions
Record contains structures
By: Olariu, Tudor; Suta, Lenuta-Maria; Popoiu, Calin; et al.
REVISTA DE CHIMIE Volume: 65 Issue: 6 Pages: 633-635 Published: JUN 2014

2) **Responsabil de proiect (Partener P1)**, Universitatea de Medicină şi Farmacie „Victor Babeş" din Timişoara, Programul Parteneriate în cercetarea fundamentală inovativă UMFT, III-C1-PCFI-2014/2015, Proiect SYNTANTITUM, „Sinteza unor compuşi cu potenţială activitate antitumorală prin reacţii de derivatizare şi caracterizarea acestora prin tehnici hifenate. Evaluarea activităţii antiangiogenice, antineoplazice şi antiinflamatoare", Director de proiect: Conf.univ.dr. FULIAŞ ADIANA-VIOLETA, 30.000 euro, 2014-2015: 6 publicaţii

1. Solid-State Characterization and Biological Activity of Betulonic Acid Derivatives
   By: Ledeti, Ionut; Avram, Stefana; Bercean, Vasile; et al.
   MOLECULES Volume: 20 Issue: 12 Pages: 22691-22702 Published: DEC 2015
2. Synthesis and Degradation of Schiff Bases Containing Heterocyclic Pharmacophore
   By: Ledeti, Ionut; Alexa, Anda; Bercean, Vasile; et al.
   INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 16 Issue: 1 Pages: 1711-1727 Published: JAN 2015
3. Study on Obtaining 3-oxolup-20(29)-en-28-oic Acid (Betulonic Acid) from (3 beta)- lup-20(29)-en-3,28-diol (betulin)
   By: Ledeti, Ionut; Bosca, Claudiu Silviu; Cosma, Cristian; et al.
   REVISTA DE CHIMIE Volume: 65 Issue: 11 Pages: 1289-1293 Published: NOV 2014
4. Thermal behaviour of a modified encapsulation agent Heptakis-6-iodo-6-deoxy-beta-cyclodextrin
   By: Fulias, Adriana; Vlase, Gabriela; Soica, Codruta; et al.
   JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 118 Issue: 2 Pages: 961-966 Published: NOV 2014
5. Thermal degradation of B-group vitamins: B-1, B-2 and B-6
   By: Fulias, Adriana; Vlase, Gabriela; Vlase, Titus; et al.
   JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 118 Issue: 2 Pages: 1033-1038 Published: NOV 2014
6. Thermal decomposition, kinetic study and evolved gas analysis of 1,3,5-triazine-2,4,6-triamine
   By: Ledeti, Ionut; Vlase, Gabriela; Vlase, Titus; et al.
   JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 118 Issue: 2 Pages: 1057-1063 Published: NOV 2014

3) **Cercetător postdoctoral, membru al grupului ţintă** - Ş.l.dr. Ionuţ-Valentin Ledeţi, proiectul POSDRU/159/1.5/S/137750, Universitatea de Vest din Timișoara, „Studiul interacţiunilor induse termic la compuşi bioactivi prin tehnici hifenate şi complementare", 2014-2015

1. Solid-state preformulation studies of amiodarone hydrochloride
   By: Ledeti, Adriana; Vlase, Gabriela; Vlase, Titus; et al.
   JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 126 Issue: 1 Pages: 181-187 Published: OCT 2016
2. Selection of solid-state excipients for simvastatin dosage forms through thermal and nonthermal techniques
   By: Ledeti, Ionut; Vlase, Gabriela; Vlase, Titus; et al.
   JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 121 Issue: 3 Pages: 1093-1102 Published: SEP 2015
3. Kinetic analysis of solid-state degradation of pure pravastatin versus pharmaceutical formulation
   By: Ledeti, Ionut; Vlase, Gabriela; Vlase, Titus; et al.
   JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 121 Issue: 3 Pages: 1103-1110 Published: SEP 2015
4. Instrumental Analysis of Potential Lovastatin - excipient Interactions in Preformulation Studies
   By: Ledeti, Ionut; Vlase, Gabriela; Vlase, Titus; et al.
   REVISTA DE CHIMIE Volume: 66 Issue: 6 Pages: 879-882 Published: JUN 2015
5. Analysis of Solid Binary Systems Containing Simvastatin
   By: Ledeti, Ionut; Vlase, Gabriela; Ciucanu, Ionel; et al.
   REVISTA DE CHIMIE Volume: 66 Issue: 2 Pages: 240-243 Published: FEB 2015

4) **Director de proiect** COMPETIŢIA INTERNĂ A UMF "VICTOR BABEŞ" DIN TIMIŞOARA, Programul Parteneriate în cercetarea fundamentală inovativă UMFT, PIII-C3-PCFI-2016/2017-02, „Cercetări fundamentale interdisciplinare privind monitorizarea, evaluarea şi corelarea proceselor litogenice cu aspectele etiopatogenice prin screening instrumental inovativ (acronim STONES)", finanţare totală 135.000 RON;

1. Optimization of Hollow Aliphatic Polyurethane Particles Used as a Drug Delivery System
   By: Trandafirescu, Cristina; Ledeti, Ionut; Coricovac, Dorina E.; et al.
   MATERIALE PLASTICE Volume: 53 Issue: 2 Pages: 205-210 Published: JUN 2016
2. Preformulation Studies for Albendazole A DSC and FTIR analysis of binary mixtures with excipients
   By: Trandafirescu, Cristina; Soica, Codruta; Ledeti, Adriana; et al.
   REVISTA DE CHIMIE Volume: 67 Issue: 3 Pages: 463-467 Published: MAR 2016
3. Non-isothermal Isoconversional Kinetic Study Regarding the Degradation of Albendazole
   By: Ledeti, Ionut; Vlase, Gabriela; Vlase, Titus; et al.
   REVISTA DE CHIMIE Volume: 67 Issue: 3 Pages: 549-552 Published: MAR 2016
4. Correlations Between Morphology and Instrumental Analysis of Human Gallstones - Preliminary Study
   By: Murariu, Marius Sorin; Olariu, Sorin; Ivan, Codrut; et al.
   REVISTA DE CHIMIE Volume: 67 Issue: 3 Pages: 575-579 Published: MAR 2016
5. Embedding of Biliary Calculi in Plastic Materials A viable solution for increasing their mechanical resistance during sampling
   By: Suta, Lenuta-Maria; Matusz, Petru; Ledeti, Adriana; et al.
   MATERIALE PLASTICE Volume: 53 Issue: 1 Pages: 19-22 Published: MAR 2016
6. Solid-State Thermal Behaviour of Cholic Acid
   By: Suta, Lenuta Maria; Vlase, Gabriela; Ledeti, Adriana; et al.
   REVISTA DE CHIMIE Volume: 67 Issue: 2 Pages: 329-331 Published: FEB 2016
7. Thermal Characterization of Cholesterol in Air vs. Nitrogen Atmosphere
   By: Suta, Lenuta-Maria; Vlase, Gabriela; Vlase, Titus; et al.
   REVISTA DE CHIMIE Volume: 67 Issue: 1 Pages: 84-86 Published: JAN 2016
8. Solid State Stability of Cholesterol Preliminary kinetic analysis

By: Suta, Lenuta-Maria; Vlase, Gabriela; Vlase, Titus; et al.
REVISTA DE CHIMIE Volume: 67 Issue: 1 Pages: 113-115 Published: JAN 2016

5) **Cercetător postdoctoral** în proiectul de cercetare Tinere Echipe- PNII-RU-TE-2014-4-0515 "Neurodegenerarea şi bolile cerebrale: O nouă abordare instrumentală de analiză și dezvoltare a unor forme farmaceutice", Director de Proiect ADRIANA-VIOLETA LEDEȚI (FULIAȘ), Perioada de finanţare: 24 luni, Buget : 495.000 lei, 9 publicații

1. Evaluation of thermal stability and kinetic of degradation for levodopa in non-isothermal conditions
By: Ledeti, Adriana; Olariu, Tudor; Caunii, Angelica; et al.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 131 Issue: 2 Pages: 1881-1888 Published: FEB 2018
2. Kinetic study for solid-state degradation of mental disorder therapeutic agents Amitriptyline, desipramine and imipramine
By: Ledeti, Adriana; Vlase, Gabriela; Vlase, Titus; et al.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 131 Issue: 1 Pages: 155-165 Published: JAN 2018
3. Binary adduct formation of desipramine with dicarboxylic acids An instrumental study
By: Ledeti, Adriana; Vlase, Gabriela; Vlase, Titus; et al.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 131 Issue: 1 Pages: 167-173 Published: JAN 2018
4. Preformulation studies for nortriptyline Solid-state compatibility with pharmaceutical excipients
By: Ledeti, Ionut; Budiul, Mihaela; Matusz, Petru; et al.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 131 Issue: 1 Pages: 191-199 Published: JAN 2018
5. Evaluation of solid-state thermal stability of donepezil in binary mixtures with excipients using instrumental techniques
By: Ledeti, Ionut; Bolintineanu, Sorin; Vlase, Gabriela; et al.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 130 Issue: 1 Pages: 425-431 Published: OCT 2017
6. Compatibility study between antiparkinsonian drug Levodopa and excipients by FTIR spectroscopy, X-ray diffraction and thermal analysis
By: Ledeti, Ionut; Bolintineanu, Sorin; Vlase, Gabriela; et al.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 130 Issue: 1 Pages: 433-441 Published: OCT 2017
7. Comparative Stability of Levodopa Under Thermal Stress in both Oxidative and Inert Media
By: Ledeti, Adriana; Vlase, Gabriela; Circioban, Denisa; et al.
REVISTA DE CHIMIE Volume: 67 Issue: 12 Pages: 2648-2650 Published: DEC 2016
8. Thermal stability of synthetic thyroid hormone L-thyroxine and L-thyroxine sodium salt hydrate both pure and in pharmaceutical formulations
By: Ledeti, Ionut; Ledeti, Adriana; Vlase, Gabriela; et al.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS Volume: 125 Pages: 33-40 Published: JUN 5 2016
9. Thermal Stability of Desipramine and Imipramine
By: Ledeti, Adriana; Vlase, Gabriela; Ledeti, Ionut; et al.
REVISTA DE CHIMIE Volume: 67 Issue: 2 Pages: 336-338 Published: FEB 2016

6) **Director de proiect** Tinere Echipe - Programul PN-III-P1-1.1-TE-2016-1165, Contract nr. TE125/10.10.2018 „Tehnici instrumentale hifenate şi complementare de analiză, control şi recuperare a compuşilor bioactivi utilizaţi în terapii hormonale", Perioada de finanţare 2018-2020 (24 luni), Buget: 450.000 RON;

1. Stability and Compatibility Studies of Levothyroxine Sodium in Solid Binary Systems-Instrumental Screening
By: Ledeti, Ionut; Romanescu, Mirabela; Circioban, Denisa; et al.
PHARMACEUTICS Volume: 12 Issue: 1 Article Number: 58 Published: JAN 2020
2. Solid-state stability and kinetic study of three glucocorticoid hormones: prednisolone, prednisone and cortisone
By: Ledeti, Ionut; Bengescu, Cosmina; Circioban, Denisa; et al.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY
Early Access: MAR 2020

7) **Cercetător post-doctoral** în proiectul de cercetare Tinere Echipe - Programul PN-III-P1-1.1-TE-2019-1573, contract nr. TE101 „Sinteza enzimatică a unor oligoesteri biodegradabili printr-un procedeu verde de tip cascadă", Perioada de finanţare 2020-2022 (24 luni), Buget: 431.900 RON;

H. LISTA CELOR 10 LUCRĂRI REPREZENTATIVE PENTRU REALIZĂRILE PROFESIONALE PROPRII

1. **Ionuț Ledeți,** Mirabela Romanescu, Denisa Circioban, Adriana Ledeți*, Gabriela Vlase, Titus Vlase, Oana Suciu*, Marius Murariu*, Sorin Olariu, Pentru Matusz, Valentina Buda, Doina Piciu
Stability and Compatibility Studies of Levothyroxine Sodium in Solid Binary Systems-Instrumental Screening
Pharmaceutics, 2020, 12(1); art.58; ISSN 1999-4923 DOI: 10.3390/pharmaceutics12010058
https://www.mdpi.com/1999-4923/12/1/58 IF(2018)=4.773
2. **Ionut Ledeti,** Mihaela Budiul, Petru Matusz, Gabriela Vlase, Denisa Circioban, Cristina Dehelean, Lenuta-Maria Suta, Angelica Caunii, Adriana Ledeti, Titus Vlase, Marius Murariu, Sorin Bolintineanu
Preformulation studies for nortriptyline. Solid-state compatibility with pharmaceutical excipients
Journal of Thermal Analysis and Calorimetry, 2018, 131(1); 191-199, ISSN: 1388-6150, DOI 10.1007/s10973-017-6269-5

https://link.springer.com/article/10.1007/s10973-017-6269-5 IF(2018)= 2.471

3. **Ionut Ledeti,** Agneta Pusztai, Cezara Mureșan, Denisa Circioban, Gabriela Vlase, Carmen Axente, Lenuța-Maria Șuta, Titus Vlase, Petru Matusz, Adriana Ledeti*, Oana Suciu, Valentina Buda, Marius Murariu
Study of kinetic characteristics of 6-ethyl chenodeoxycholic acid and deoxycholic acid decomposition in non-isothermal conditions
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