


## INFORMAȚII PERSONALE

## IONUȚ-VALENTIN LEDEȚI

 Piața Eftimie Murgu nr.2, Timișoara, 300041, România

 +40 256 204 476

 [ionut.ledeți@umft.ro](mailto:ionut.ledeți@umft.ro)

 Skype ionutledeți

Sexul masculin | Data nașterii 03 ianuarie 1984 | Naționalitatea Română

## POZIȚIA

Profesor universitar doctor abilitat în cadrul disciplinei de Chimie fizică, Facultatea de Farmacie, UMF „Victor Babeș” Timișoara, șef de catedră

## EXPERIENȚA PROFESIONALĂ

Septembrie 2020-prezent

**Profesor universitar doctor în cadrul disciplinei de Chimie fizică, Facultatea de Farmacie, UMF „Victor Babeș” Timișoara**

Universitatea de Medicină și Farmacie „Victor Babeș” din Timișoara, Facultatea de Farmacie, Departamentul I, Disciplina Chimie fizică, Piața Eftimie Murgu nr. 2, 300041 Timișoara, Timiș, România, Tel. +40 256 204 476, [www.umft.ro](http://www.umft.ro)

- Cursuri predate (studentilor Facultății de Farmacie): titularul cursurilor de Chimie fizică I și II; Bazele fizico-chimice ale preformulării medicamentului; Proiectarea medicamentului; Polimorfismul substanțelor medicamentoase.
- Activități didactice: coordonarea lucrărilor de laborator la disciplina Chimie fizică  
**Tipul sau sectorul de activitate** Învățământ superior și cercetare

Septembrie 2024-prezent

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

Gen. Berthelot 28-30, Sector 1, București RO-010168, Romania, +40 214056206, [www.cnatdcu.ro](http://www.cnatdcu.ro)

- Principalele activități și responsabilități: Analiza tezelor de doctorat și a tezelor de abilitare  
**Tipul sau sectorul de activitate** Învățământ superior

Aprilie 2018-prezent

**Dr. Habil., Conducător de doctorat în domeniul Chimie**

Universitatea „Politehnica” din Timișoara, Facultatea de Chimie Industrială și Ingineria Mediului, Piața Victoriei nr. 2, 30006, Timișoara, Timiș, România, Tel: +40 256 403069; Fax: +40 256 403060; [www.upt.ro](http://www.upt.ro)

- Domeniul de cercetare: Tehnici de screening fizico-chimic complex a unor compuși de interes farmaceutic și cu potențială activitate biologică  
**Tipul sau sectorul de activitate** Învățământ superior și cercetare

Septembrie 2015-August 2020

**Conferențiar universitar doctor în cadrul disciplinei de Chimie fizică, Facultatea de Farmacie, UMF „Victor Babeș” Timișoara**

Universitatea de Medicină și Farmacie „Victor Babeș” din Timișoara, Facultatea de Farmacie, Departamentul I, Disciplina Chimie fizică, Piața Eftimie Murgu nr. 2, 300041 Timișoara, Timiș, România, Tel. +40 256 204 476, [www.umft.ro](http://www.umft.ro)

- Cursuri predate (studentilor Facultății de Farmacie): titularul cursurilor de Chimie fizică I și II; Bazele fizico-chimice ale preformulării medicamentului; Proiectarea medicamentului; Polimorfismul substanțelor medicamentoase.
- Activități didactice: conducerea lucrărilor de laborator la disciplinele Chimie fizică I și II; Principii de Chimie fizică I și II;  
**Tipul sau sectorul de activitate** Învățământ superior și cercetare

Martie 2013-Septembrie 2015

**Șef de lucrări doctor**

Universitatea de Medicină și Farmacie „Victor Babeș” din Timișoara, Facultatea de Farmacie, Departamentul I, Disciplina Chimie fizică, Piața Eftimie Murgu nr. 2, 300041 Timișoara, Timiș, România, Tel. +40 256 204 476, [www.umft.ro](http://www.umft.ro)

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

Tipul sau sectorul de activitate Învățământ superior și cercetare

Septembrie 2011-Martie 2013

#### Asistent universitar doctor

Universitatea de Medicină și Farmacie „Victor Babeș” din Timișoara, Facultatea de Farmacie, Departamentul I, Disciplina Chimie fizică, Piața Eftimie Murgu nr. 2, 300041 Timișoara, Timiș, România, Tel. +40 256 204 476, [www.umft.ro](http://www.umft.ro)

- Conducerea seminarelor de „Metodologia cercetării științifice farmaceutice”
- Conducerea lucrărilor practice de Chimie fizică I și II

Tipul sau sectorul de activitate Învățământ superior și cercetare

Februarie 2009-Septembrie 2011

#### Preparator universitar doctorand/doctor

Universitatea de Medicină și Farmacie „Victor Babeș” din Timișoara, Facultatea de Farmacie, Departamentul I, Disciplina Chimie fizică, Piața Eftimie Murgu nr. 2, 300041 Timișoara, Timiș, România, Tel. +40 256 204 476, [www.umft.ro](http://www.umft.ro)

- Conducerea lucrărilor practice de Chimie fizică I și II

Tipul sau sectorul de activitate Învățământ superior și cercetare

## EDUCAȚIE ȘI FORMARE

Iunie 2017-Aprilie 2018

#### Teză de abilitare

Nivel EQF 8

Universitatea „Politehnica” din Timișoara, Facultatea de Chimie Industrială și Ingineria Mediului, Piața Victoriei nr. 2, 30006, Timișoara, Timiș, România, Tel: +40 256 403069; Fax: +40 256 403060; [www.upt.ro](http://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 și 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 Timișoara, Facultatea de Fizică, Bulevardul Vasile Pârvan nr. 4, Timișoara, România, Tel. +40 (0) 256 592 108; [www.uvt.ro](http://www.uvt.ro)

- Proiect de cercetare obținut prin competiție: Studiul interacțiunilor induse termic la compuși bioactivi prin tehnici hifenate și complementare. Finanțator: POSDRU/159/1.5/S/137750

Octombrie 2010-Septembrie 2011

#### Master în Farmacie

Nivel EQF 7

Universitatea de Medicină și Farmacie „Victor Babeș” din Timișoara, Facultatea de Farmacie, Piața Eftimie Murgu nr.2, 300041 Timișoara, România

Tel. +40 (0) 256 204 476, [www.umft.ro](http://www.umft.ro)

- Program masteral: Formularea și evaluarea produsului dermato-cosmetic, coordonator: Prof.univ.dr. Anca-Octavia Dragomirescu
- Tema disertației: Modelarea prin relații QSAR a permeabilității pielii la diverși agenți chimici; coordonator științific: Prof.univ.dr. Ludovic Kurunczi

Octombrie 2007-Noiembrie 2010

#### Doctorat în Chimie

Nivel EQF 8

Universitatea „Politehnica” din Timișoara, Facultatea de Chimie Industrială și Ingineria Mediului, Piața Victoriei nr.2, 300006 Timișoara, România, Tel. +40 (0) 256 403 063; [www.upt.ro](http://www.upt.ro)

- Studii: Sinteză organică; Spectroscopie ( tehnicile IR, RMN, GC-MS); Activități biologice;
- Teza de doctorat: Studiul sintezei mercapto-triazolilor funcționalizați, compuși cu potențială 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 Timișoara, Facultatea de Chimie Industrială și Ingineria Mediului, Piața Victoriei nr.2, 300006 Timișoara, România, Tel. +40 (0) 256 403 063; [www.upt.ro](http://www.upt.ro)

- Domenii studiate: Chimie și Inginerie Chimică;
- Diplomă de absolvire a modulului psiho-pedagogic: Psihologia educației, Pedagogie, Sociologie, Metodica predării chimiei, Comunicare educațională 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 Național „Constantin Diaconovici Loga”, Timișoara, 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 conversație	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  
[Cadru european comun de referință pentru limbi străine](#)

Competențe de comunicare

- Bună capacitate de comunicare dobândită atât în perioada de lucru în cercetare (documentare și sinteză pentru elaborarea tezei de doctorat, disertației masterale și studiilor postdoctorale)
- Dezvoltarea unor abilități de comunicare și prezentare ca urmare a experienței din învățământul universitar.

Competențe organizaționale/manageriale

- Spirit de echipă, dobândit în practica profesională și în activitățile de cercetare alături de colegi
- În anul 2004 am obținut diploma de merit pentru activitatea desfășurată în cadrul proiectului Fundației Județene pentru Tineret intitulată „Campanie pentru participarea civică a tinerilor”
- În perioada 10-12 noiembrie 2006 am participat la programul de formare privind Implementarea programei școlare de „Consiliere și Orientare” la Școala cu cls. I-VIII nr.18 Timișoara
- În perioada 10-14 noiembrie 2006 am urmat cursuri de formare profesională în vederea utilizării softului AeL și al elaborării materialelor educaționale pentru AeL
- Spirit organizațional, dobândit în urma desfășurării activităților de laborator și seminar cu studenții

Competențe dobândite la locul de muncă

- Chimie fizică și cinetică – expertiză în screening instrumental avansat
  - Analiză termică și tehnici hifenate de analiză;
  - Spectroscopie (tehnica IR în pastilă și ATR, RMN, RMN 2D, GC-MS, UV-VIS)
  - Studii cinetice în medii omogene și eterogene (solid)
  - Difractometrie (de raze X) și microscopia electronică de baleiaj (SEM)
  - Modelarea prin relații QSAR a permeabilității pielii la diverși agenți chimici
- Chimia compușilor naturali
  - Izolarea și caracterizarea unor compuși bioactivi din surse naturale
  - Derivatizarea compușilor naturali la produși de semi-sinteză: purificare și caracterizare
- Sinteza chimică și proprietăți fizico-chimice ale analiților
  - Compuși heterociclici și precursori (acizi, esteri, hidrazide, baze Schiff etc.) - 1,2,4-triazoli și funcționalizarea acestora
  - Sinteze de compuși de coordonare (complexi metalici) prin diverse tehnici
  - Designul unor aducți supramoleculari pentru compuși bioactivi (aducți cu ciclodextrine naturale și de semisinteză, aducți de tip cocristale și săruri etc.)

Competență digitală

AUTOEVALUARE				
Procesarea informației	Comunicare	Creare de conținut	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 cunoștințe de utilizare a Internetului, inclusiv web research

- Alte competențe
- fotografie și procesare digitală a imaginii
  - pictură
  - modelaj în lut

Permis de conducere B

## INFORMATII SUPLIMENTARE

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Publicații și citări Sunt autor sau co-autor la 126 lucrări științifice ISI în jurnale internaționale (2010-noiembrie 2024), care au acumulat 1552 de citări (sursa Web of Science, Clarivate Analytics), cele mai multe având legătură cu Chimia fizică a Medicamentului (studii de preformulare a substanțelor de interes farmaceutic). Sunt de asemenea autor/coautor al unor cărți didactice și autor al unei monografii.

h-index 21 (Web of Science); 20 (Scopus); 22 (Google Scholar)

Proiecte de cercetare Am participat în 7 proiecte de cercetare obținute prin competiție națională. Domeniul principal de expertiză în aceste proiecte l-a reprezentat utilizarea analizei termice și a spectroscopiei moleculare ca metode investigaționale în clasa compușilor bioactivi sau potențial bioactivi.

Conferințe Am participat la o serie de conferințe științifice naționale și internaționale, atât cu prezentări orale cât și 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 Studentești din România (ANOSR), Ediția a XII-a, la Gala Profesorului Bologna, în perioada 23-26 mai 2019, Iași
  - 39 dintre lucrările ISI au fost premiate la nivel național de către UEFISCDI (Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării din România).

Membru în asociații științifice Membru al Societății de Chimie din România (SChR)  
Membru al International Association of Physical Chemists (IAPC)  
Membru al Comisiei de Analiză Termică și Calorimetrie a Academiei Române (CATCAR)

Referințe Disponibile la cerere

## ANEXE

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- Lista publicațiilor

Timișoara,  
25 noiembrie 2024

Prof.univ.dr. Ionuț-Valentin Ledeți, Dr. Habil.

## Lista publicațiilor

### A1. CĂRȚI

1. **Ionuț-Valentin Ledeți**, Georgeta Maria Simu, Sebastian-Claudiu Simu, *Chimie fizică aplicată pentru farmaciști – Termodinamică clasică, Proprietăți structurale ale moleculelor (I) – ediția a doua, revăzută și adăugită*, Editura Victor Babeș, Timișoara, 2023, ISBN 978-606-786-339-0; 172 pagini;
2. **Ionuț-Valentin Ledeți**, Georgeta Maria Simu, Sebastian-Claudiu Simu, *Applied Physical Chemistry for Pharmacy Students – Classical thermodynamics, Structural properties of molecules (I)*, Editura Victor Babeș, Timișoara, 2023, ISBN 978-606-786-314-7, 172 pagini;
3. Adriana-Violeta Ledeți, Denisa-Laura Cîrcioban, Amalia-Ioana Ridichie, Carmen Tomoroga, **Ionuț-Valentin Ledeți** – *Qualitative Analytical Chemistry – A Laboratory Textbook*, Editura Victor Babeș, Timișoara, 2023, ISBN 978-606-786-329-1, 230 pagini;
4. **Ionuț-Valentin Ledeți**, *Bazele fizico-chimice ale preformulării medicamentului - Volumul I: Structura materiei. Stări de agregare*, Editura Mirton, Timișoara, 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, **Ionuț-Valentin Ledeți**, Florin Borcan, *Chimie Analytique Quantitative – notes de cours*, Editura Mirton, Timișoara, 2018, ISBN 978-973-52-1770-9, 273 pagini;
6. Adriana-Violeta Ledeți, **Ionuț-Valentin Ledeți**, Denisa-Laura Cîrcioban, *Bazele practice ale analizei chimice calitative – Aplicații în domeniul farmaceutic*, Editura Mirton, Timișoara, 2018, ISBN 978-973-52-1781-5, 211 pagini;
7. Georgeta Maria Simu, Ludovic Kurunczi, **Ionuț-Valentin Ledeți**, *Chimie Physique Notes de Cours, Tome Second : Spectroscopie, Cinétique et Colloïdes*, Editura Victor Babeș, Timișoara, 2014, ISBN 978-606-8456-01-0, 226 pagini.
8. **Ionuț-Valentin Ledeți**, Georgeta Maria Simu, *Chimie Physique Appliquée – Spectroscopie, Electrochimie, Cinétique chimique, Systèmes disperses*, Editura Mirton, Timișoara, 2012, ISBN 978-973-52-1207-0, 128 pagini;
9. Georgeta Maria Simu, **Ionuț-Valentin Ledeți**, *Chimie fizică aplicată pentru farmaciști (II)*, Editura Mirton, Timișoara, 2011, ISBN 978-973-52-1006-9, 120 pagini;
10. Georgeta Maria Simu, **Ionuț-Valentin Ledeți**, *Chimie Physique Appliquée – Thermodynamique classique, Propriétés structurelles des molécules*, Editura Mirton, Timișoara, 2011, ISBN 978-973-52-1103-5, 110 pagini;
11. **Ionuț-Valentin Ledeți**, Georgeta Maria Simu, *Chimie fizică aplicată pentru farmaciști (I)*, Editura Mirton, Timișoara, 2010, ISBN 978-973-52-0908-7, 122 pagini;
12. **Ledeți Ionuț-Valentin**, *Studiul sintezei mercapto-triazolilor funcționalizați, compuși cu potențială activitate biologică*, Editura Politehnica Timișoara, 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 COMPUȘI DE INTERES FARMACEUTIC ȘI CU POTENȚIALĂ ACTIVITATE BIOLOGICĂ, Domeniul Științe exacte - CHIMIE; susținută 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.	Adriana Ledeți, Bianca Baul, Amalia Ridichie, Denisa Ivan, Titus Vlase, Carmen Tomoroga, Anca Dragomirescu, Gabriela Vlase, Răzvan Adrian Bertici, Dana Emilia Man, <b>Ionuț Ledeți</b>	Thermooxidation of Four Sartans: Kinetic Analysis Based on Thermo-Gravimetric Data	Molecules, 2024, 29(23); 5527; <a href="https://doi.org/10.3390/molecules29235527">https://doi.org/10.3390/molecules29235527</a>	4.2/20 23	2023	Ultim autor
2.	Amalia Ridichie, Cosmina Bengescu, Adriana Ledeți, Gerlinda Rusu, Răzvan Bertici, Titus Vlase, Gabriela Vlase, Francisc Peter, <b>Ionuț Ledeți</b> , Matilda Rădulescu	Thermal stability, preformulation, and kinetic degradation studies for gestrinone	Journal of Thermal Analysis and Calorimetry, 2024, early access, DOI10.1007/s10973-024-13520-x	3.0/20 23	2023	Coautor
3.	Andreea-Anda Alexa, Vasile-Nicolae Bercean, Sabina Elena Boncea, Adriana Ledeți, Valentin Badea, Amalia Ridichie, Marilena Motoc, <b>Ionuț Ledeți</b>	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	2.5/20 23	2023	Ultim autor
4.	Denisa Cîrcioban, Adriana Ledeți*, Amalia Ridichie, Titus Vlase, <b>Ionuț Ledeți</b> , Ionela	Compatibility Study of Mirtazapine with Several Excipients Used in	Journal of Thermal Analysis and Calorimetry, 2024, early access, DOI	3.0/20 23	2023	Coautor



	Amalia Bradu, Alexandru Pahomi, Laura Sbârcea, Gabriela Vlase	Pharmaceutical Dosage Forms Employing Thermal and Non-thermal Methods	10.1007/s10973-024-13181-w			
5.	Minodora Andor, Claudia Temereanca, Laura Sbârcea, Adriana Ledeti, Dana Emilia Man, Cristian Momoș, Amalia Ridichie, Denisa Cîrcioban, Gabriela Vlase, Paul Barvinschi, Angela Caunii, Renata Văruț, Cristina Trandafirescu, <b>Ionuț Ledeti</b> , Valentina Buda, Matilda Rădulescu	Host-Guest Interaction Study of Olmesartan Medoxomil with $\beta$ -Cyclodextrin Derivatives	Molecules, 2024, 29(10); 2209; DOI10.3390/molecules29102209	4.2/2023	2023	Coautor
6.	Amalia Ridichie, Adriana Ledeti, Laura Sbarcea*, Gerlinde Rusu, Comelia Muntean, Denisa Cîrcioban, Francisc Peter, <b>Ionuț Ledeti</b>	Preformulation studies of levonorgestrel	Journal of Thermal Analysis and Calorimetry, 2024, accepted for publication	3.0/2023	2023	Ultim autor
7.	Lenuța-Maria Șuta, Amalia Ridichie, Adriana Ledeti, Claudia Temereanca, <b>Ionuț Ledeti</b> , Delia Muntean, Matilda Rădulescu, Renata-Maria Văruț, 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	4.9/2023	2023	Coautor
8.	Amalia Ridichie, Adriana Ledeti*, Francisc Peter*, <b>Ionuț Ledeti</b> , Comelia Muntean, Matilda Rădulescu	Kinetic Investigation of the Oxidative Thermal Decomposition of Levonorgestrel	Processes, 2023, 11(11); DOI10.3390/pr11113210	2.8	2023	Coautor
9.	Bianca Baul, Adriana Ledeti*, Denisa Cîrcioban, Amalia Ridichie, Titus Vlase, Gabriela Vlase, Francisc Peter*, <b>Ionuț Ledeti</b>	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
10.	Denisa Cîrcioban, <b>Ionuț Ledeti</b> , Titus Vlase, Gerlinde Rusu, Adriana Ledeti*, 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
11.	Cosmina Bengescu, Adriana Ledeti, Tudor Olariu, Cîrcioban Denisa, Comelia Muntean*, Gabriela Vlase, Titus Vlase, Carmen Tomoroga, Anca Octavia Dragomirescu, Daniela Dascălu, Lenuța-Maria Șuta, <b>Ionuț Ledeti</b> , 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
12.	Sebastian Simu, Adriana Ledeti, Elena-Alina Moacă*, Comelia Păcurariu, Cristina Dehelean, Dan Năvolan, <b>Ionuț Ledeti</b>	Thermal Degradation Process of Ethinylestradiol-Kinetic Study	Processes, 2022, 10(8), art. no. 1518 DOI10.3390/pr10081518	3.5	2022	Ultim autor
13.	Mirabela Romanescu, Valentina Buda, Adelina Lombrea, Minodora Andor, <b>Ionuț Ledeti</b> , Maria Suci, 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
14.	Valentina Buda, Minodora Andor, Anca Tudor, Octavian Crețu, Carmen Cristescu, Corina Danciu, <b>Ionuț Ledeti</b> , Zorin Crăiniceanu, Mircea Onel, Diana Aurora Bordejevic, Mirela Cleopatra Tomescu, Oana Suci, 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
15.	Laura Sbârcea, Ionuț-Mihai Tănase, Adriana Ledeti, Denisa Cîrcioban, Gabriela Vlase, Paul Barvinschi, Marinela Miclău, Renata-Maria Văruț, Oana Suci, <b>Ionuț Ledeti</b>	Risperidone/Randomly Methylated $\beta$ -Cyclodextrin Inclusion Complex—Compatibility Study with Pharmaceutical Excipients	Molecules, 2021, 26(6), 1690; https://doi.org/10.3390/molecules26061690	4.9/2021	2021	Ultim autor
16.	Laura Sbarcea, Ionuț-Mihai Tanase, Adriana Ledeti*, Denisa Cîrcioban, Gabriela Vlase, Paul Barvinschi, Marinela Miclău, Renata-Maria Varut, Cristina Trandafirescu, <b>Ionuț Ledeti</b>	Encapsulation of Risperidone by Methylated beta-Cyclodextrins: Physicochemical and Molecular Modeling Studies	Molecules, 2020, 25(23), art.no. 5694; DOI: 10.3390/molecules25235694	4.4/2020	2020	Ultim autor
17.	Denisa Cîrcioban, <b>Ionuț Ledeti</b> , Lenuta-Maria Suta, Gabriela Vlase, Adriana Ledeti*, Titus Vlase, Renata Varut, Laura Sbarcea, Cristina Trandafirescu, Cristina	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	4.6/2020	2020	Coautor

	Dehelean					
18.	Denisa Cîrcioban, Adriana Ledeți*, Gabriela Vlase, Titus Vlase, Cristina Dehelean, <b>Ionuț Ledeți</b>	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
19.	Denisa Cîrcioban, Adriana Ledeți*, Gabriela Vlase, <b>Ionuț Ledeți</b> , Titus Vlase, Renata Văruț, 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
20.	Ionuț-Mihai Tanase, Laura Sbarcea*, Adriana Ledeți, Paul Barvinschi, Denisa Cîrcioban, Gabriela Vlase, Renata-Maria Văruț, <b>Ionuț Ledeți</b>	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
21.	<b>Ionuț Ledeți</b> , Mirabela Romanescu, Denisa Cîrcioban, Adriana Ledeți*, Gabriela Vlase, Titus Vlase, Oana Suci*, 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
22.	Valentina Buda, Bianca Baul, Minodora Andor, Dana Emilia Man, Adriana Ledeți*, Gabriela Vlase, Titus Vlase, Corina Danciu, Petru Matusz, Francisc Peter, <b>Ionuț Ledeți</b>	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
23.	<b>Ionuț Ledeți</b> , Cosmina Bengescu, Denisa Cîrcioban, Gabriela Vlase, Titus Vlase, Carmen Tomoroga, Valentina Buda, Adriana Ledeți*, 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
24.	Ionuț-Mihai Tănase, Laura Sbârcea*, Adriana Ledeți, Gabriela Vlase, Paul Barvinschi, Renata-Maria Văruț, Anca Dragomirescu, Carmen Axente, <b>Ionuț Ledeți</b>	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
25.	Anamaria Todea, Diana Aparaschivei, Ioan Bitcan, <b>Ionuț V. Ledeți</b> , 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
26.	Iulia Păușescu, Anamaria Todea, Valentin Badea, Francisc Peter, Mihai Medeleanu*, <b>Ionuț Ledeți</b> , Gabriela Vlase, Titus Vlase	Optical and thermal properties of intelligent pH indicator films based on chitosan/PVA and a new xanthylum dye	Journal of Thermal Analysis and Calorimetry, 2020, 141(3); 999-1008 DOI: 10.1007/s10973-019-08911-4	4.626	2020	Coautor
27.	Mirela Nicolov, Doina Georgescu, Emiliană Laura Andreici Eftimie, Simona Cinta Pinzaru, Roxana Roman, <b>Ionuț Ledeți</b> , 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 <a href="https://doi.org/10.37358/RC.19.1.6861">https://doi.org/10.37358/RC.19.1.6861</a>	1.755	2019	Coautor
28.	Valentina Buda, Minodora Andor, Dana Emilia Baibata, Ramona Cozlac, Gabriela Radu, Dorina Coricovac, Corina Danciu, <b>Ionuț Ledeți</b> , Adelina Cheveresan, Cristian Nica, Paul Tuduțe, 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
29.	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, <b>Ionuț Ledeți</b> , 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
30.	Denisa Cîrcioban, Ioana Zinuca Pavel*, Adriana Ledeți, Ionuț Ledeți, 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 <a href="https://doi.org/10.37358/RC.19.8.7439">https://doi.org/10.37358/RC.19.8.7439</a>	1.755	2019	Coautor
31.	Laura Sbârcea, Adriana Ledeți*, Lucretia	Betulonic acid—cyclodextrins	Journal of Thermal Analysis and	2.731	2019	Coautor/Ult

	Udrescu, Renata-Maria Văruț, Paul Barvinschi, Gabriela Vlase, <b>Ionuț Ledeti</b>	inclusion complexes	Calorimetry, 2019, 138(4); 2787-2797; DOI: 10.1007/s10973-019-08359-6			im autor
32.	Mihaela Cristea, Bianca Baul, <b>Ionuț Ledeti*</b> , Adriana Ledeti, Gabriela Vlase, Titus Vlase, Bożena Karolewicz, Oana Ștefănescu, Anca Octavia Dragomirescu, Cezara Mureșan, Dan-Simion Cipu, Dana Velimirovici, Mircea Ștefănescu	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
33.	Cristina Trandafirescu#, <b>Ionuț Ledeti##</b> , Codruța Șoica*, Adriana Ledeti, 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
34.	<b>Ionuț Ledeti</b> , 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
35.	Adriana Ledeti, Gabriela Vlase, Titus Vlase, Denisa Circioban, Cristina Dehelean, <b>Ionuț Ledeti*</b> , 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
36.	Adriana Ledeti, Gabriela Vlase, Titus Vlase, Denisa Circioban, Cristina Dehelean, <b>Ionuț Ledeti*</b>	Kinetic study for solid-state degradation of mental disorder therapeutic agents: amitriptyline, desipramine and imipramine	Journal of Thermal Analysis and Calorimetry, 2018, 131(1); 155-165; DOI 10.1007/s10973-016-6064-8	2.471	2018	Coresp
37.	Adriana Ledeti, Tudor Olariu, Angelica Caunii, Gabriela Vlase, Denisa Circioban, Bianca Baul, <b>Ionuț Ledeti*</b> , 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
38.	<b>Ionuț Ledeti##</b> , Agneta Pusztai#, Cezara Mureșan#, Denisa Circioban, Gabriela Vlase, Carmen Axente, Lenuța-Maria Șuta, Titus Vlase, Petru Matusz, Adriana Ledeti*, Oana Suci, 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
39.	Denisa Circioban, <b>Ionuț Ledeti</b> , 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
40.	Denisa Circioban, Adriana Ledeti, Gabriela Vlase, Alina Moacă, <b>Ionuț Ledeti*</b> , 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
41.	<b>Ionuț Ledeti##</b> , Agneta Pusztai#, Cezara Mureșan#, Denisa Circioban, Gabriela Vlase, Marius Murariu, Lenuța-Maria Șuta, Titus Vlase, Adriana Ledeti*, Oana Suci, 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
42.	Denisa Circioban, Adriana Ledeti, Gabriela Vlase, Dorina Coricovac, Alina Moaca, Claudia Farcaș, Titus Vlase, <b>Ionuț Ledeti*</b> , 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
43.	<b>Ionuț Ledeti##</b> , 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
44.	<b>Ionuț Ledeti##</b> , 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
45.	Valentina Buda, Minodora Andor, Adriana Ledeti, <b>Ionuț Ledeti*</b> , Gabriela Vlase, Titus Vlase, Carmen Cristescu, Mirela Voicu, Liana Suci, 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
46.	Rodica Narcisa Tanasescu, Razvan	Considerations on Thermal	Revista de Chimie –Bucharest,	1.412	2017	Coautor



	Bardan, Adriana Ledeți, <b>Ionuț Ledeți</b> , Petru Matusz, Germaine Săvoiu-Balint, Sorin Bolintineanu	Behaviour and Porosity of Renal Calculi in Bisphosphonate-Treated Postmenopausal Women	2017, 68(6), 1259-1263			
47.	Corina Danciu*, Ersilia Alexa, Stefana Avram, Daliana Minda, Ioana Pavel, Roxana Babuta, Marius Mioc, <b>Ionuț Ledeți</b> , 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
48.	<b>Ionuț Ledeți</b> , Sorin Bolintineanu, Gabriela Vlase, Denisa Cîrcioban, Adriana Ledeți, 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
49.	<b>Ionuț Ledeți</b> , Sorin Bolintineanu, Gabriela Vlase, Denisa Cîrcioban, Cristina Dehelean, Lenuta-Maria Suta, Angelica Caunii, Adriana Ledeți, 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
50.	Lenuta-Maria Suta, Gabriela Vlase, Titus Vlase, Germaine Balint-Săvoiu, Tudor Olariu, Ionela Belu, Adriana Ledeți*, Marius-Sorin Murariu, Lavinia Stelea, <b>Ionuț Ledeți</b>	Thermal characterization of cholesterol in air vs. nitrogen atmosphere	Revista de Chimie –Bucharest, 2016; 67(1):84-86	1.232	2016	Coautor/UI tim autor
51.	Lenuta-Maria Suta, Gabriela Vlase, Titus Vlase, Tudor Olariu, <b>Ionuț Ledeți</b> *, Ionela Belu, Codruț Ivan, Cristian Andrei Sarau, Germaine Balint-Săvoiu, Lavinia Stelea, Adriana Ledeți	Solid state stability of cholesterol: preliminary kinetic analysis	Revista de Chimie –Bucharest, 2016; 67(1):113-115	1.232	2016	Coresp
52.	Lenuta-Maria Suta, Gabriela Vlase, Adriana Ledeți*, Titus Vlase, Petru Matusz, Cristina Trandafirescu, Denisa Cîrcioban, Sorin Olariu, Ivan Codruț, Marius Murariu, Lavinia Stelea, <b>Ionuț Ledeți</b>	Solid-State Thermal Behaviour of Cholic Acid	Revista de Chimie –Bucharest, 2016, 67(2): 329-331	1.232	2016	Coautor/UI tim autor
53.	Adriana Ledeți, Gabriela Vlase, <b>Ionuț Ledeți</b> *, Titus Vlase, Petru Matusz, Cristina Dehelean, Denisa Cîrcioban, Lavinia Stelea, Lenuta-Maria Suta	Thermal Stability of Desipramine and Imipramine	Revista de Chimie –Bucharest, 2016, 67(2): 336-338	1.232	2016	Coresp
54.	Laura Sbârcea, Lucreția Udrescu, <b>Ionuț Ledeți</b> , Zoltan Szabadai, Adriana Fuliș*, 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
55.	Lenuta Maria Suta, Petru Matusz, Adriana Ledeți*, Codrut Ivan, Marius Murariu, Mircea Constantin Sora, <b>Ionuț Ledeți</b>	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/UI tim autor
56.	Cristina Trandafirescu, Codruta Soica, Adriana Ledeți, Florin Borcan*, Lenuta-Maria Suta, Marius Murariu, Cristina Dehelean, Daniela Ionescu, <b>Ionuț Ledeți</b>	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/UI tim autor
57.	<b>Ionuț Ledeți</b> , Gabriela Vlase, Titus Vlase, Marius Murariu, Cristina Trandafirescu, Lenuta Maria Suta, Cristina Dehelean, Adriana Ledeți*, 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
58.	Marius Sorin Murariu, Sorin Olariu, Codrut Ivan, <b>Ionuț Ledeți</b> *, Titus Vlase, Gabriela Vlase, Adriana Ledeți, 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
59.	Cristina Trandafirescu, <b>Ionuț Ledeți</b> , 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
60.	Diana Antal, Iulia Pinzaru, Florin Borcan, Teodora Marti, <b>Ionuț Ledeți</b> , Dorina Coricovac, Stefan Schweiger, Hermann Stuppner, Cristina Dehelean*, Evelyne Ollivier, Codruta Soica	Inclusion Complexes of the Aurone Sulfuretin and the Chalcone Butein from Cotinus coggygia Wood in Two Cyclodextrin Types First data on physico-chemical properties	Revista de Chimie –Bucharest, 2016, 67(6): 1104-1109	1.232	2016	Coautor
61.	<b>Ionuț Ledeți</b> , Adriana Ledeți*, Gabriela Vlase, Titus Vlase, Petru Matusz, Vasile	Thermal stability of synthetic thyroid hormone L-thyroxine and L-	Journal of Pharmaceutical and Biomedical Analysis, 2016; 125: 33–	3.255	2016	Prim autor

	Bercean, Lenuta Maria Suta, Doina Piciu	thyroxine sodium salt hydrate both pure and in pharmaceutical formulations	40 DOI: 10.1016/j.jpba.2016.03.026			
62.	Adriana Fulias, <b>Ionuț Ledeti*</b> , 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
63.	<b>Ionuț Ledeti</b> , 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
64.	<b>Ionuț Ledeti</b> , 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
65.	Diana Antal, Florina Ardelean, Iulia Pinzaru, Florin Borcan, <b>Ionuț Ledeti</b> , Dorina Coricovac, Istvan Zupko, Beatrice Baghdikian, Evelyne Ollivier, Codruta Soica, Sorin Bolintineanu	Effects of Cyclodextrin Complexation on the Anti-cancer Effects of Cotinus coggygia Extract and its Constituents, Butein and Sulfuretin	Revista de Chimie –Bucharest, 2016, 67(8): 1618-1622	1.232	2016	Coautor
66.	Roxana Blajovan, <b>Ionuț Ledeti</b> , 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
67.	Adriana Ledeti, Gabriela Vlase, Titus Vlase, Vasile Bercean, Marius Sorin Murariu, <b>Ionuț Ledeti*</b> , 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
68.	Gabriela Vlase, Constantin Bolcu, Dorina Modra, Mihaela Budiul, <b>Ionuț Ledeti</b> , Paul Abu, 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
69.	Adriana Ledeti, Gabriela Vlase, Denisa Circioban, <b>Ionuț Ledeti</b> , 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
70.	<b>Ionuț Ledeti</b> , Anda Alexa, Vasile Bercean, Gabriela Vlase, Titus Vlase, Lenuta-Maria Suta, Adriana Fulias*	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
71.	Lucreția Udrescu*, Adriana Fulias, <b>Ionuț Ledeti</b> , Gabriela Vlase, Paul Barvinschi, Ludovic Kurunczi, Laura Sbârcea	Host-guest system of zofenopril and randomly methylated beta-cyclodextrin: preparation, characterization and solubility	Revista de Chimie –Bucharest, 2015; 66(1): 17-20.	0.956	2015	Coautor
72.	<b>Ionuț Ledeti</b> , 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
73.	Lucretia Udrescu*, Laura Sbarcea, Adriana Fulias, <b>Ionuț Ledeti</b> , 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
74.	<b>Ionuț Ledeti</b> , Gabriela Vlase, Ionel Ciucanu, Tudor Olariu, Adriana Fulias*, Lenuta-Maria Suta, Ionela Belu	Analysis of solid binary systems containing simvastatin	Revista de Chimie –Bucharest, 2015; 66(2): 240-243	0.956	2015	Prim autor
75.	Codruț Ivan, <b>Ionuț Ledeti*</b> , Gabriela Vlase, Titus Vlase, Adriana Fulias, Sorin Olariu	Study of Solid-State Behaviour of Some Human Gallstones	Revista de Chimie –Bucharest, 2015; 66(2): 265-270	0.956	2015	Coresp
76.	Laura Sbârcea, <b>Ionuț Ledeti</b> , Liana Drăgan, Ludovic Kurunczi, Adriana Fulias*, Lucreția 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
77.	Lenuta-Maria Suta, <b>Ionuț Ledeti*</b> , Liana Suci, 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
78.	<b>Ionuț Ledeti</b> , 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
79.	Amina Ramona Popovici, Gabriela Vlase*, Titus Vlase, Lenuta-Maria Suta, Călin Popoiu, <b>Ionuț Ledeti</b> , Gheorghe	Local anesthetic agents. Part III. Study of solid dosage forms with pharmaceutical excipients	Revista de Chimie –Bucharest, 2015; 65(7):1046-1051	0.956	2015	Coautor

	lovănescu, Adriana Fulias					
80.	Codrut Ivan, Lenuta-Maria Suta, Tudor Olariu, <b>Ionuț Ledeti*</b> , 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
81.	<b>Ionuț Ledeti*</b> , Gabriela Vlase*, Titus Vlase, Vasile Bercean, Adriana Fuliaș	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
82.	Adriana Fuliaș, Gabriela Vlase, Titus Vlase, Lenuța-Maria Șuta, Codruța Șoica, <b>Ionuț Ledeti*</b>	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
83.	Adriana Fuliaș, Gabriela Vlase, <b>Ionuț Ledeti*</b> , Lenuța-Maria Șuta	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
84.	<b>Ionuț Ledeti*</b> , Gabriela Vlase, Titus Vlase, Lenuța-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
85.	Ionuț Ledeti, Gabriela Vlase, Titus Vlase, Adriana Fulias*	Kinetic analysis of solid-state degradation of pure pravastatin versus pharmaceutical formulation	Journal of Thermal Analysis and Calorimetry 06/2015; 121(3):1103-1110. DOI: 10.1007/s10973-015-4842-3	1.781	2015	Prim autor
86.	<b>Ionuț Ledeti*</b> , Ștefana Avram*, Vasile Bercean, Gabriela Vlase, Titus Vlase, Adriana Ledeti* Istvan Zupko, Marius Mioc, Lenuța-Maria Șuta, Codruța 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
87.	Rodica Narcisa Tanasescu, Adriana Fulias*, <b>Ionuț Ledeti*</b> , 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
88.	Adriana Fulias, Calin Popoiu*, Gabriela Vlase, Titus Vlase, Daniela Onetiu, Germaine Savoie, Georgeta Simu, Cristina Patruescu, Gheorghe Iliu, <b>Ionuț Ledeti*</b>	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/UI tim autor
89.	Gheorghe Nodiți, Adriana Fulias*, <b>Ionuț Ledeti*</b>	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/UI tim autor
90.	Gheorghe Nodiți, <b>Ionuț Ledeti*</b> , Georgeta Simu, Lenuța-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
91.	Lucretia Udrescu*, Laura Sbarcea, Adriana Fulias, <b>Ionuț Ledeti*</b> , Gabriela Vlase, Paul Barvinschi, Ludovic Kurunzi	Physicochemical analysis and molecular modeling of the fosinopril $\beta$ -cyclodextrin inclusion complex	Journal of Spectroscopy, 2014, art.no 748468, 1-14 DOI:10.1155/2014/748468	0.538	2014	Coautor
92.	<b>Ionuț Ledeti*</b> , Georgeta Simu*, Gabriela Vlase, Titus Vlase, Tudor Olariu, Germaine Savoie, Lenuța-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
93.	Tudor Olariu, Lenuța-Maria Suta, Calin Popoiu, <b>Ionuț Ledeti*</b> , Georgeta Simu, Germaine Savoie, 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
94.	Georgeta Simu, <b>Ionuț Ledeti*</b> , Simona Muntean, Adriana Fulias, Ioana Citu, Codruța Soica, Doina Onisei, Germaine Savoie-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
95.	Mihail Birzescu, Marius Milea, Dan Rosu, <b>Ionuț Ledeti*</b> , Madian Răfăila, Viorel Sasca, Mircea Niculescu	Synthesis and thermal analysis of the nickel(II) oxalate obtained through the reaction of ethylene glycol with Ni(NO <sub>3</sub> ) <sub>2</sub> ·6H <sub>2</sub> O	Revue Roumaine de Chimie, 2014, 59(6-7), 555-563	0.311	2014	Coresp
96.	Iulia Pinzaru, Cristina Trandafirescu, Zoltan Szabadai, Marius Mioc, <b>Ionuț</b>	Synthesis and Biological Evaluation of Some Pentacyclic	Revista de Chimie –Bucharest, 2014; 65(7): 848-851	0.81	2014	Coautor

	<b>Ledeti, Dorina</b> , Coricovac, Sorina Ciurlea*, Roxana Ghiulai, Zorin Crainiceanu, Georgeta Simu	Lupane Triterpenoid Esters					
97.	<b>Ionuț Ledeti</b> , 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	
98.	Gheorghe Pupca, Viorel Bucuras, Gabriela Vlase, Titus Vlase, Adriana Fulias*, <b>Ionuț Ledeti</b>	Solid-State Analysis of Some Urinary Calculi	Revista de Chimie –Bucharest, 2014; 65(9):1058-1062	0.81	2014	Coautor/UI tim autor	
99.	Mircea Niculescu, <b>Ionuț Ledeti*</b> , 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	
100.	Maria Ilici, Vasile Bercean, Monica Venter, <b>Ionuț Ledeti*</b> , 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	
101.	Adriana Fulias, Gabriela Vlase, Codruta Soica, Vasile Bercean, Titus Vlase, <b>Ionuț Ledeti*</b>	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	
102.	Adriana Fulias, Gabriela Vlase*, Titus Vlase, Daniela Onetiu, Nicolae Doca, <b>Ionuț Ledeti</b>	Thermal degradation of B-group vitamins: B1, B2 and B6. Kinetic study	Journal of Thermal Analysis and Calorimetry, 2014, 118 (2), 1033-1038. DOI: 10.1007/s10973-014-3847-7	2.042	2014	Coautor/UI tim autor	
103.	<b>Ionuț Ledeti</b> , 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	
104.	Bogdan Tita*, <b>Ionuț Ledeti</b> , 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	
105.	Codruta Soica, Adriana Fulias*, Gabriela Vlase, Cristina Dehelean, Titus Vlase, <b>Ionuț Ledeti</b> .	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/UI tim autor	
106.	Adriana Fulias, Codruta Soica, <b>Ionuț Ledeti</b> , 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	
107.	<b>Ionuț Ledeti</b> , 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	
108.	Mircea Niculescu, Petru Budrugaec, <b>Ionuț Ledeti*</b> , Vasile Pode, Mihail Birzescu	Synthesis and characterization of the polynuclear coordination compound obtained through the reaction of 1,3-propanediol with Cu(NO <sub>3</sub> ) <sub>2</sub> ·3H <sub>2</sub> O	Revue Roumaine de Chimie, 2013, 58(4-5), 387-392	0.393	2013	Coresp	
109.	<b>Ionuț Ledeti</b> , Adriana Fulias*, 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	
110.	Adriana Fulias, Gabriela Vlase, Titus Vlase, Codruta Soica, Alina Heghes, Marius Craina*, <b>Ionuț Ledeti</b>	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/UI tim autor	
111.	Mircea Niculescu, Dan Rosu, <b>Ionuț Ledeti*</b> , Marius Milea, Petru Budrugaec	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	



112.	Adriana Fuliș, <b>Ionuț Ledeți*</b> , 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
113.	Adriana Fuliș, Gabriela Vlase*, Carmen Grigorie, <b>Ionuț Ledeți</b> , 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
114.	Adriana Fuliș#, <b>Ionuț Ledeți#</b> , Gabriela Vlase#, Călin Popoiu#, Alina Hegheș#, Mihai Bilanin#, Titus Vlase#, Dorina Gheorghesu, Marius Craina, Simona Ardelean, Otilia Mărginean, Liana Moș	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
115.	<b>Ionuț Ledeți</b> , Georgeta Simu, Gabriela Vlase, Germaine Săvoiu, Titus Vlase, Lenuța-Maria Șuta, Călin Popoiu*, Adriana Fuliș	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
116.	Lenuta-Maria Suta, Lavinia Vlaia*, Adriana Fuliș, <b>Ionuț Ledeți</b> , Daniel Hadaruga, Constantin Miricioiu	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
117.	<b>Ionuț Ledeți</b> , Adriana Fuliș*, Gabriela Vlase, Titus Vlase, Vasile Bercean, Nicolae Doca	Thermal behaviour and kinetic study of some triazoles as potential anti-inflammatory agents	Journal of Thermal Analysis and Calorimetry, 2013, 114(3): 1295-1305 <a href="https://doi.org/10.1007/s10973-013-3123-2">https://doi.org/10.1007/s10973-013-3123-2</a>	2.206	2013	Prim autor
118.	Cristina Dehelean, Codruța Șoica*, <b>Ionuț Ledeți</b> , Mihaela Aluas, Istvan Zupko, Atena Gălușcan, 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
119.	Bogdan Tița*, Adriana Fuliș, Geza Bandur, <b>Ionuț Ledeți</b> , Dumitru Tița	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
120.	Vasile Bercean*, <b>Ionuț V. Ledeți</b> , 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
121.	<b>Ionuț V. Ledeți</b> , Vasile Bercean*, Ionuț 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
122.	<b>Ionuț V. Ledeți*</b> , 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 PUBLISHED IN EXTENSIVE ISI (with \* are author's correspondents, with # are author's with equal contribution)

Nr. crt.	Autorii	Titlul articolului	Conferința/Revista	FI	Anul pentru FI	Autor
1.	Emiliana-Laura Andreici Eftimie*, Roxana Roman, Mirela Nicolov, <b>Ionuț Ledeți</b> , Zoltan Szabadi, 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,	-	-	Coautor



			Timisoara, ROMANIA Date: MAY 26-28, 2016			
2.	Adriana Fulias, Gabriela Vlase, Anamaria Todea, Titus Vlase, <b>Ionuț Ledeti*</b>	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, <b>Ionuț Ledeti</b> , 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 Suci, Liana Suci, Maria Cristiana Mabda, Mirela Voicu, Corina Danciu, <b>Ionuț Ledeti</b> , Lucian Petrescu, Olivia Dalleur	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 Indexed 2021-09-23 Document Type Meeting Abstract	6.851	2021	Coautor

### B2. LUCRĂRI ȘTIINȚIFICE PUBLICATE IN EXTENSO ÎN REVISTE BDI

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

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

1.	COMPATIBILITY STUDIES OF SILDENAFIL-HPBCD INCLUSION COMPLEX WITH PHARMACEUTICAL EXCIPIENTS Răzvan Bertici, Amalia Ridichie, Nicoleta Bertici, Adriana Ledeti, <b>Ionuț Ledeti</b> , Renata-Maria Văruț, Laura Sbârcea, Dragoș Cătălin Jianu, Ovidiu Fira-Mladinescu The 2 <sup>nd</sup> Central and Eastern European Conference on Physical Chemistry&Material Science (CEEC-PCMS2), 16-19 September 2024, Kaunas, Lithuania. BOOK OF ABSTRACTS, ISBN 978-609-02-1870-9, PP1.01, p.74
2.	BINARY ADDUCTS OF PRASTERONE – PREPARATION AND INSTRUMENTAL INVESTIGATIONS Amalia Ridichie, Răzvan Bertici, Adriana Ledeti, Gerlinde Rusu, Laura Sbârcea, Cornelia Muntean, Francisc Peter, <b>Ionuț Ledeti</b> The 2 <sup>nd</sup> Central and Eastern European Conference on Physical Chemistry&Material Science (CEEC-PCMS2), 16-19 September 2024, Kaunas, Lithuania. BOOK OF ABSTRACTS, ISBN 978-609-02-1870-9, PP1.02, p.75
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- **h-index Google Scholar: 22; i10-index: 68; Citări Google Scholar: 1.704**
- **h-index Web of Science: 21; Citări Web of Science: 1.552**
- **h-index Scopus: 20; Citări Scopus: 1.575**

### F. LUCRĂRI PREMIATE

1. Risperidone/Randomly Methylated beta-Cyclodextrin Inclusion Complex-Compatibility Study with Pharmaceutical Excipients  
LAURA SBÂRCEA, IONUȚ-MIHAI TĂNASE, ADRIANA LEDEȚI, DENISA CÎRCIOBAN, GABRIELA VLASE, PAUL BARVINSCHI, MARINELA MICLĂU, RENATA-MARIA VĂRUȚ, OANA SUCIU, **IONUȚ LEDEȚI**  
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2021-57520
2. Encapsulation of Risperidone by Methylated beta-Cyclodextrins: Physicochemical and Molecular Modeling Studies  
LAURA SBARCEA, IONUT-MIHAI TANASE, ADRIANA LEDEȚI\*, DENISA CIRCIOBAN, GABRIELA VLASE, PAUL BARVINSCHI, MARINELA MICLAU, RENATA-MARIA VARUT, CRISTINA TRANDAFIRESCU, **IONUT LEDETI**  
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2021-56824
3. Instrumental analysis and molecular modelling of inclusion complexes containing artesunate  
DENISA CIRCIOBAN, **IONUT LEDETI**, LENUTA-MARIA SUTA, GABRIELA VLASE, ADRIANA LEDEȚI\*, TITUS VLASE, RENATA VARUT, LAURA SBARCEA, CRISTINA TRANDAFIRESCU, CRISTINA DEHELEAN  
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2021-55137
4. Thermal stability and kinetic degradation study for dihydroartemisinin  
DENISA CIRCIOBAN, ADRIANA LEDEȚI\*, GABRIELA VLASE, TITUS VLASE, CRISTINA DEHELEAN, **IONUT LEDETI**  
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2021-54139
5. Compatibility studies with pharmaceutical excipients for aripiprazole-heptakis (2,6-di-O-methyl)-beta-cyclodextrin supramolecular adduct  
IONUT-MIHAI TANASE, LAURA SBARCEA\*, ADRIANA LEDEȚI, PAUL BARVINSCHI, DENISA CIRCIOBAN, GABRIELA VLASE, RENATA-MARIA VARUT, **IONUT LEDETI**  
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2021-53613
6. Physicochemical characterization and molecular modeling study of host-guest systems of aripiprazole and functionalized cyclodextrins  
IONUȚ-MIHAI TĂNASE, LAURA SBÂRCEA\*, ADRIANA LEDEȚI, GABRIELA VLASE, PAUL BARVINSCHI, RENATA-MARIA VĂRUȚ, ANCA DRAGOMIRESCU, CARMEN AXENTE, **IONUȚ LEDEȚI**  
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2020-50192
7. Stability and Compatibility Studies of Levothyroxine Sodium in Solid Binary Systems-Instrumental Screening  
**IONUȚ LEDEȚI**, MIRABELA ROMANESCU, DENISA CIRCIOBAN, ADRIANA LEDEȚI\*, GABRIELA VLASE, TITUS VLASE, OANA SUCIU\*, MARIUS MURARIU\*, SORIN OLARIU, PENTRU MATUSZ, VALENTINA BUDA, DOINA PICIU  
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2020-50178
8. Solid-state stability and kinetic study of three glucocorticoid hormones: prednisolone, prednisone and cortisone  
**IONUȚ LEDEȚI**, COSMINA BENGESCU, DENISA CIRCIOBAN, GABRIELA VLASE, TITUS VLASE, CARMEN TOMOROGA, VALENTINA BUDA, ADRIANA LEDEȚI\*, ANCA DRAGOMIRESCU, MARIUS MURARIU  
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2020-50098
9. Preformulation studies for atorvastatin calcium  
MIHAELA CRISTEA, BIANCA BAUL, **IONUȚ LEDEȚI\***, ADRIANA LEDEȚI, GABRIELA VLASE, TITUS VLASE, BOŽENA KAROLEWICZ, OANA ȘTEFĂNESCU, ANCA OCTAVIA DRAGOMIRESCU, CEZARA MUREȘAN, DAN-SIMION CIPU, DANA VELIMIROVICI, MIRCEA ȘTEFĂNESCU  
Premiată UEFISCDI PN-III-P1-1.1-PRECISI-2020-50091
10. Betulonic acid-cyclodextrins inclusion complexes

- LAURA SBÂRCEA, ADRIANA LEDEȚI\*, LUCREȚIA UDRESCU, RENATA-MARIA VĂRUȚ, PAUL BARVINSCHI, GABRIELA VLASE, **IONUȚ LEDEȚI**  
 Premiata 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 LEDEȚI\*, GABRIELA VLASE, **IONUT LEDETI**, TITUS VLASE, RENATA VARUT, IOANA-ZINUCA PAVEL, CRISTINA DEHELEAN  
 Premiata UEFISCDI PN-III-P1-1.1-PRECISI-2020-49971
  12. Albendazole-cyclodextrins binary systems Thermal and spectral investigation on drug-excipient interaction  
 CRISTINA TRANDAFIRESCU#, **IONUȚ LEDEȚI#**, CODRUȚA ȘOICA\*, ADRIANA LEDEȚI, GABRIELA VLASE, FLORIN BORCAN, CRISTINA DEHELEAN, DORINA CORICOVAC, ROXANA RACOVICANU, ZOLTÁN AIGNER  
 Premiata 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 DANCUI, PETRU MATUSZ, FRANCISC PETER, **IONUȚ LEDEȚI**  
 Premiata 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 LEDEȚI, GABRIELA VLASE, ALINA MOACĂ, **IONUT LEDETI**, CLAUDIA FARCAȘ, TITUS VLASE, CRISTINA DEHELEAN  
 Premiata 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 LEDEȚI, CARMEN AXENTE, TITUS VLASE, CRISTINA DEHELEAN  
 Premiata 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 LEDEȚI, OANA SUCIU, VALENTINA BUDA, PETRU MATUSZ  
 Premiata 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 LEDEȚI, OANA SUCIU, VALENTINA BUDA, MARIUS MURARIU  
 Premiata 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 DANCUI, **IONUT LEDETI**, ADELINA CHEVERESAN, CRISTIAN NICA, PAUL TUDUCE, MIRELA CLEOPATRA TOMESCU  
 Premiata 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 LEDEȚI, TUDOR OLARIU, ANGELICA CAUNII, ANGELICA CAUNII, GABRIELA VLASE, DENISA CIRCIOBAN, BIANCA BAUL, **IONUT LEDETI**, TITUS VLASE, MARIUS MURARIU  
 Premiata 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 LEDEȚI, GABRIELA VLASE, TITUS VLASE, DENISA CIRCIOBAN, CRISTINA DEHELEAN, **IONUT LEDETI**  
 Premiata UEFISCDI PN-III-P1-1.1-PRECISI-2018- 26330
  21. Binary adduct formation of desipramine with dicarboxylic acids An instrumental study  
 ADRIANA LEDEȚI, GABRIELA VLASE, TITUS VLASE, DENISA CIRCIOBAN, CRISTINA DEHELEAN, **IONUT LEDETI**, LENUȚA-MARIA SUTA  
 Premiata 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, LENUȚA-MARIA SUTA, ANGELICA CAUNII, ADRIANA LEDEȚI, TITUS VLASE, MARIUS MURARIU, SORIN BOLINITINEANU  
 Premiata 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 LEDEȚI\*, LENUȚA-MARIA SUTA, TUDOR OLARIU  
 Premiata 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 LEDEȚI, TITUS VLASE, LENUȚA-MARIA SUTA, ANGELICA CAUNII, MARIUS MURARIU  
 Premiata 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, LENUȚA-MARIA SUTA, ANGELICA CAUNII, ADRIANA LEDEȚI, TITUS VLASE, MARIUS MURARIU  
 Premiata 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 LEDEȚI, **IONUT LEDETI\***, GABRIELA VLASE, TITUS VLASE, CARMEN CRISTESCU, MIRELA VOICU, LIANA SUCIU, MIRELA TOMESCU  
 Premiata 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 LEDEȚI\*, GABRIELA VLASE, TITUS VLASE, PETRU MATUSZ, VASILE BERCEAN, LENUȚA MARIA SUTA, DOINA PICIU  
 Premiata UEFISCDI PN-III-P1-1.1-PRECISI-2016-11865

28. Ketoprofen–cysteine equimolar salt. Synthesis, thermal analysis, PXRD and FTIR spectroscopy investigation  
ADRIANA FULIAȘ, GABRIELA VLASE, **IONUȚ LEDEȚI**, LENUȚA-MARIA ȘUTA  
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  
**LEDEȚI 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, LENUȚA-MARIA ȘUTA, CODRUȚA ȘOICA, **IONUȚ LEDEȚI**  
Premiată UEFISCDI PN-II-RU-PRECISI-2015-9-8701
31. Selection of solid-state excipients for simvastatin dosage forms through thermal and nonthermal techniques,  
**IONUȚ LEDEȚI**, GABRIELA VLASE, TITUS VLASE, LENUȚA-MARIA ȘUTA, ANAMARIA TODEA, ADRIANA FULIAȘ  
Premiată UEFISCDI PN-II-RU-PRECISI- 2015-9-8860
32. Kinetic analysis of solid-state degradation of pure pravastatin versus pharmaceutical formulation  
**LEDEȚI 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, **LEDEȚI 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  
**IONUȚ LEDEȚI**, ANDA ALEXA, VASILE BERCEAN, GABRIELA VLASE, TITUS VLASE, LENUȚA-MARIA ȘUTA, ADRIANA FULIAȘ  
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, **LEDEȚI 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  
ȘOICA CODRUȚA, FULIAS ADRIANA, VLASE GABRIELA, DEHELEAN CRISTINA, VLASE TITUS, **LEDEȚI 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, **LEDEȚI 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, ȘOICA CODRUȚA, **LEDEȚI 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, ȘOICA CODRUȚA, HEGHES ALINA, CRAINA MARIUS, **LEDEȚI IONUT**  
Premiată UEFISCDI PN-II-RUPRECISI-2013-7-3970

## G. PROIECTE DE CERCETARE ȘI PUBLICAȚII REZULTATE

- 1) **Director de proiect**, Programul II-C2-TC-2014, Universitatea de Medicină și Farmacie „Victor Babeș” din Timișoara, Proiect SYNT, 5000 euro, 2014, 5 publicații:
  1. Kinetic of solid-state degradation of transitional coordinative compounds containing functionalized 1,2,4-triazolic ligand  
By: Ledeti, Ionut; Vlas, Gabriela; Vlas, 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; Vlas, Titus; Vlas, 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 și Farmacie „Victor Babeș” din Timișoara, Programul Parteneriate în cercetarea fundamentală inovativă UMFT, III-C1-PCFI-2014/2015, Proiect SYNTANTITUM, „Sinteza unor compuși cu potențială activitate antitumorală prin reacții de derivatizare și caracterizarea acestora prin tehnici hifenate. Evaluarea activității antiangiogenice, antineoplazice și antiinflamatoare”, Director de proiect: Conf.univ.dr. FULIAȘ ADRIANA-VIOLETA, 30.000 euro, 2014-2015: 6 publicații
  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, Ionuț; 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-ic Acid (Betulonic Acid) from (3 beta)- lup-20(29)-en-3,28-diol (betulin)  
By: Ledeti, Ionuț; 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, Ionuț; 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 țintă - Ș.I.dr. Ionuț-Valentin Ledeti, proiectul POSDRU/159/1.5/S/137750, Universitatea de Vest din Timișoara, „Studiul interacțiunilor induse termic la compuși bioactivi prin tehnici hifenate și 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, Ionuț; 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, Ionuț; 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, Ionuț; 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, Ionuț; Vlase, Gabriela; Ciucanu, Ionel; et al.  
REVISTA DE CHIMIE Volume: 66 Issue: 2 Pages: 240-243 Published: FEB 2015

**4) Director de proiect COMPETIȚIA INTERNĂ A UMF “VICTOR BABEȘ” DIN TIMIȘOARA, Programul Parteneriate în cercetarea fundamentală inovativă UMFT, PIII-C3-PCFI-2016/2017-02, „Cercetări fundamentale interdisciplinare privind monitorizarea, evaluarea și corelarea proceselor litogenice cu aspectele etiopatogenice prin screening instrumental inovativ (acronim STONES)”, finanțare totală 135.000 RON;**

1. Optimization of Hollow Aliphatic Polyurethane Particles Used as a Drug Delivery System  
By: Trandafirescu, Cristina; Ledeti, Ionuț; 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, Ionuț; 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 și bolile cerebrale: O nouă abordare instrumentală de analiză și dezvoltare a unor forme farmaceutice", Director de Proiect ADRIANA-VIOLETA LEDEȚI (FULIAȘ), Perioada de finanțare: 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, Ionuț; Budiul, Mihaela; Matusz, Petru; et al.  
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