

INFORMAȚII PERSONALE



IONUȚ-VALENTIN LEDEȚI

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

 +40 256 204 476 

 ionut.ledeti@umft.ro

 Skype ionutledeti

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 disciplină

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

- 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 disciplinele Chimie fizică
Tipul sau sectorul de activitate Învățământ superior și cercetare

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

- 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

- 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

- 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

- 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

- 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

- 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

- 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

- 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

- 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

- 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
 Cadrul 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

Publicații și citări Sunt autor sau co-autor la 121 lucrări științifice ISI în jurnale internaționale (2010-aprilie 2024), care au acumulat 1474 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 20 (conform Web of Science);

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 160 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, la 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)

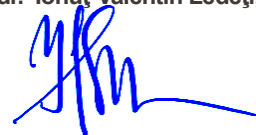
Referințe Disponibile la cerere

ANEXE

▪ Lista publicațiilor

Timișoara,
9 aprilie 2024

Prof.univ.dr. Ionuț-Valentin Ledetși, 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 dispersés*, 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. | Amalia Ridichie, Adriana Ledeți, Laura Sbarcea*, Gerlinda Rusu, Cornelia Muntean, Denisa Cîrcioban, Francisc Peter, Ionuț Ledeți | Preformulation studies of levonorgestrel | Journal of Thermal Analysis and Calorimetry, 2024, acceptat spre publicare | 4.4/20 22 | 2022 | Ultim autor |
| 2. | Denisa Cîrcioban, 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, acceptat spre publicare | 4.4/20 22 | 2022 | Coautor |
| 3. | Amalia Ridichie, Adriana Ledeți*, Francisc Peter*, Ionuț Ledeți , Cornelia Muntean, Matilda Rădulescu | Kinetic Investigation of the Oxidative Thermal Decomposition of Levonorgestrel | Processes, 2023, 11(11); DOI10.3390/pr11113210 | 3.5/20 22 | 2022 | Coautor |
| 4. | Bianca Baul, Adriana Ledeți*, Denisa Cîrcioban, Amalia Ridichie, Titus Vlase, Gabriela Vlase, Francisc Peter*, Ionuț Ledeți | Thermal Stability and Kinetics of Degradation of Moxonidine as Pure Ingredient vs. Pharmaceutical Formulation | Processes, 2023, 11(6), 1738; DOI10.3390/pr11061738 | 3.5/20 22 | 2022 | Ultim autor |

| | | | | | | |
|-----|---|---|--|--------------|------|-------------|
| 5. | Denisa Cîrcioban, Ionuț Ledeti , 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, DOI10.1007/s10973-023-12249-3 | 4.4/20 22 | 2022 | Coautor |
| 6. | Cosmina Bengescu, Adriana Ledeti, Tudor Olariu, Cîrcioban Denisa, Comelia Muntean*, Gabriela Vlase, Titus Vlase, Carmen Tomoroga, Anca Octavia Dragomirescu, Daniela Dascălu, Lenuța-Maria Șuta, Ionuț Ledeti , 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; 4641-4649; DOI10.1007/s10973-023-11942-7 | 4.4/20 22 | 2022 | Coautor |
| 7. | Sebastian Simu, Adriana Ledeti, Elena-Alina Moacă*, Comelia Păcurariu, Cristina Dehelean, Dan Năvolan, Ionuț Ledeti | Thermal Degradation Process of Ethinylestradiol-Kinetic Study | Processes, 2023, 10(8), art. no. 1518 DOI10.3390/pr10081518 | 3.5 | 2022 | Ultim autor |
| 8. | Mirabela Romanescu, Valentina Buda, Adelina Lombrea, Monodora Andor, Ionuț Ledeti , 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 |
| 9. | Valentina Buda, Minodora Andor, Anca Tudor, Octavian Crețu, Carmen Cristescu, Corina Danciu, Ionuț Ledeti , 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 |
| 10. | Laura Sbârcea, Ionuț-Mihai Tănase, Adriana Ledeti, Denisa Cîrcioban, Gabriela Vlase, Paul Barvinschi, Marinela Miclău, Renata-Maria Văruț, Oana Suci, Ionuț Ledeti | 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 |
| 11. | Laura Sbarcea, Ionuț-Mihai Tanase, Adriana Ledeti*, Denisa Cîrcioban, Gabriela Vlase, Paul Barvinschi, Marinela Miclău, Renata-Maria Varut, Cristina Trandafirescu, Ionuț 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 |
| 12. | Denisa Cîrcioban, Ionuț Ledeti , Lenuța-Maria Suta, Gabriela Vlase, Adriana Ledeti*, Titus Vlase, Renata Văruț, 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 |
| 13. | Denisa Cîrcioban, Adriana Ledeti*, Gabriela Vlase, Titus Vlase, Cristina Dehelean, Ionuț 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 |
| 14. | Denisa Cîrcioban, Adriana Ledeti*, Gabriela Vlase, Ionuț Ledeti , 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 |
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| 1. | Valentina Oana Buda, Olivia Dalleur, Andreea Prelipcean, Dana Emilia Man, Octavian Cretu, Minodora Andor, Corina Danciu, Ionuț 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 |
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B2. LUCRĂRI ȘTIINȚIFICE PUBLICATE IN EXTENSO ÎN REVISTE BDI

| Nr.crt. | Autorii | Titlul articolului | Revista | Autor |
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| 1. | Amalia Ridichie, Adriana Ledeti*, Denisa Ivan, Carmen Tomoroga, Laura Sbârcea, Lenuța-Maria Șuta, Răzvan Bertici, Anca Dragomirescu, Florentin Crăineanu, Ionuț Ledeti | Solid-State Characterization of Mupirocin and Metronidazole | Timisoara Med. 2023, 2023(2), 3; doi: 10.35995/tmj20230203 | Ultim autor |
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| 1. | KINETIC INVESTIGATION OF OXIDATIVE THERMAL DECOMPOSITION OF LEVONORGESTREL Amalia Ridichie, Adriana Ledeti, Francisc Peter, Ionuț Ledeti The 16 th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2023), 19-21 July 2023, Porto, Portugal. BOOK OF ABSTRACTS, ISBN 978-989-35015-3-5, P.B3, p.79 | | | |
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| 4. | COMPATIBILITY STUDY OF MIRTAZAPINE WITH SEVERAL EXCIPIENTS USED IN PHARMACEUTICAL DOSAGE FORMS EMPLOYING THERMAL AND NON-THERMAL METHODS Denisa Cîrcioban, Adriana Ledeti, Amalia Ridichie, Titus Vlase, Ionuț Ledeti , Amalia Bradu, Alexandru Pahomi, Gabriela Vlase The 16 th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2023), 19-21 July 2023, Porto, Portugal. BOOK OF ABSTRACTS, ISBN 978-989-35015-3-5, P.C8, p.89 | | | |
| 5. | PREPARATION AND INSTRUMENTAL SCREENING OF BINARY ADDUCTS CONTAINING MOXONIDINE. Bianca Baul, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Francisc Peter, Ionuț Ledeti The 16 th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2023), 19-21 July 2023, Porto, Portugal. BOOK OF ABSTRACTS, ISBN 978-989-35015-3-5, P.C9, p.90 | | | |
| 6. | Preformulation studies of levonorgestrel Amalia Ridichie, Adriana Ledeti, Gerlinde Rusu, Laura Sbârcea, Denisa Cîrcioban, Francisc Peter, Ionuț Ledeti The 16 th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2023), 19-21 July 2023, Porto, Portugal. BOOK OF ABSTRACTS, ISBN 978-989-35015-3-5, P.C12, p.93 | | | |
| 7. | KINETICS OF THERMAL DEGRADATION OF PHARMA GRADE SULFOBUTYLETHER SODIUM BETACYCLODEXTRIN Claudia Temereancă, Adriana Ledeti, Gabriela Vlase, Cristina Trandafirescu, Valentina Buda, Denisa Cîrcioban, Laura Sbârcea, Titus Vlase, Ionuț Ledeti 31 st Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR31), 20-22 October 2022, Reșița – Romania BOOK OF ABSTRACTS, PP14, p.39 | | | |
| 8. | INSTRUMENTAL INVESTIGATIONS OF TELMISARTAN-AMINOACIDS BINARY ADDUCTS Bianca Baul, Denisa Cîrcioban, Laura Sbârcea, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Elisabeta Atyim, Renata-Maria Văruț, Francisc Peter, Ionuț Ledeti 31 st Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR31), 20-22 October 2022, Reșița – Romania BOOK OF ABSTRACTS, PP15, p.40 | | | |
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10. THEORETICAL AND INSTRUMENTAL APPROACH FOR THE DEVELOPMENT OF CO-CRYSTALS WITH MIRTAZAPINE AND OPIPRAMOL
Denisa Cîrcioban, **Ionuț Ledeți**, Adriana Ledeți, Titus Vlase, Renata Văruț, Gabriela Vlase
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11. STABILITY EVALUATION AND KINETIC STUDY FOR THE ATYPICAL ANTIDEPRESSANT OPIPRAMOL
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12. PREPARATION AND PHYSICO-CHEMICAL ANALYSIS FOR CYCLODEXTRIN-MIRTAZAPINE INCLUSION COMPLEXES
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7. THERMAL ANALYSIS – HERE, THERE AND EVERYWHERE IN PHARMACEUTICAL SCIENCES
Ionuț Ledeti
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Premiul Judit Simon ESTAC 2022, pentru recunoașterea celor sub 40 de ani care au obținut rezultate remarcabile în domeniul analizei termice și calorimetriei
8. INSTRUMENTAL INVESTIGATIONS OF PROMESTRIENE - FIRST REPORT REGARDING THE SOLID STATE CHARACTERIZATION AND

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9. INSTRUMENTAL SCREENING OF SOLID-STATE PREFORMULATION FOR TWO ATYPICAL ANTIPSYCHOTIC AGENTS: ARIPIPRAZOLE AND RISPERIDONE
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10. THERMAL ANALYSIS RESEARCH IN THE TIME OF COVID19 - PLANS AND CHANGES
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29th Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy, Wednesday, 23rd of December 2020, Zoom platform, 16:00-19:00

11. DIRECȚII DE CERCETARE ÎN CHIMIA FIZICĂ A MEDICAMENTULUI-PREFORMULARE CLASICĂ VS. INOVARE?
Ionuț Ledeti
Realizări științifice și profesionale la ceas aniversar, alumni Chimie CBG-UVT, Workshop cu participare internațională, 5 iunie 2018

12. WS: CUM SE REALIZEAZĂ O LUCRARE ȘTIINȚIFICĂ?
Ionuț Ledeti
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13. SOLID-STATE CHARACTERIZATION OF MICOPHENOLIC ACID
Ionuț Ledeti, Gabriela Vlase, Titus Vlase, Lenuța-Maria Șuta, Ionel Ciucanu, Adriana Fuliș
Drug Discovery 2015, 11-13 august 2015, Vol. 4 Issue 2, ISSN 2169-0138 DDO, p.48
Proceedings of International Conference and Expo on Drug Discovery and Designing, Frankfurt, Germany

14. COMPARATIVE THERMAL STABILITY OF TWO SIMILAR-STRUCTURE HYPOLIPIDEMIC AGENTS – SIMVASTATIN AND LOVASTATIN. KINETIC STUDY
Ionuț Ledeti, Gabriela Vlase, Titus Vlase, Ionel Ciucanu, Adriana Fuliș
Proceedings of the 12th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2015) held in Girona, 17-19 June 2015, ISBN: 13-978-84-606-8873-0, p. 76

15. STUDII PRIVIND SINTEZA, CARACTERIZAREA, COMPORTAREA FIZICO-CHIMICĂ ȘI EVALUAREA BIOACTIVITĂȚII PRIN SCREENING COMPLEX A UNOR DERIVAȚI TRIAZOLICI ȘI TRITERPENICI
Ionuț Ledeti
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16. SPECTROSCOPIC AND THERMAL CONTRIBUTIONS REGARDING THE SYNTHESIS OF BETULONIC ACID BY SELECTIVE OXIDATION OF BETULIN
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17. INFLUENȚA VARIABILELOR DE FORMULARE ASUPRA CEDĂRII MELOXICAMULUI DIN HIDROGELURI
Șuta LM, Belu I, Vlaia L, Fuliș A, **Ledeti I**, Mircioiu C.
Zilele UMF din Craiova, a XLIV-a ediție, 2014, Craiova, 6-7 iunie 2014, p.422

18. SYNTHESIS, THERMAL BEHAVIOUR AND KINETIC STUDY OF A NEW TRIAZOLIC ZINC(II) COMPLEX
Fuliș A., **Ledeti I.**, Vlase G., Szollossi A., Vlase, T.
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19. Approaches regarding the synthesis of potentially anti-inflammatory compounds containing 1,2,4-triazolyl thioacetate moiety
Ionuț V. Ledeti, Vasile N. Bercean, Cristina A. Dehelean, Codruța Șoica
TIMMEDICA International Congress and Exhibition 4th edition, Timișoara, Romania, June 16-18, 2011

E. CITĂRI ȘI h-INDEX

- **h-index Google Scholar: 21; i10-index: 63; Citări Google Scholar: 1.580**
- **h-index Web of Science: 20; Citări Web of Science: 1.474**
- **h-index Scopus: 20; Citări Scopus: 1.494**

F. LUCRĂRI PREMIATE

1. Risperidone/Randomly Methylated beta-Cyclodextrin Inclusion Complex-Compatibility Study with Pharmaceutical Excipients
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- LAURA SBARCEA, IONUT-MIHAI TANASE, ADRIANA LEDETI*, DENISA CIRCIOBAN, GABRIELA VLASE, PAUL BARVINSCHI, MARINELA MICLAU, RENATA-MARIA VARUT, CRISTINA TRANDAFIRESCU, **IONUT LEDETI**
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38. Study of the betulin enriched birch bark extracts effects on human carcinoma cells and ear inflammation
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Premiata 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, Ionuț; 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, Ionuț; 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, Ionuț; 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 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 ADIANA-VIOLETA, 30.000 euro, 2014-2015: 6 publicații
 1. Solid-State Characterization and Biological Activity of Betulonic Acid Derivatives
By: Ledeti, Ionuț; 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-oic 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

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Timișoara,
9 aprilie 2024

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

