

## PERSONAL INFORMATION



## IONU -VALENTIN LEDETI

 Eftimie Murgu Square no.2, Timi oara, 300041, România

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

 Skype ionutledeti

Sex M | Date of birth January 3<sup>rd</sup> 1984 | Nationality Romanian

## POSITION

Full professor of Physical Chemistry, Habil., Faculty of Pharmacy, „Victor Babe ” University of Medicine and Pharmacy, head of discipline

## WORK EXPERIENCE

September 2020-present

**Full Professor of Physical Chemistry, PhD**

„Victor Babe ” University of Medicine and Pharmacy, Faculty of Pharmacy, Department I, Discipline of Physical Chemistry, Eftimie Murgu Sq. no. 2, 300041 Timi oara, Timi , România, Tel. +40256204476, [www.umft.ro](http://www.umft.ro)

- Main courses taught (students of Faculty of Pharmacy): Physical Chemistry I and II; Physico-chemical bases of drug preformulation; Drug design; Polymorphism of drugs
- Leading practical stages for Pharmacy Students of Physical Chemistry

**Business or sector** Higher education and research

April 2018-present

**PhD Adviser, Dr. Habil. in Chemistry**

“Politehnica” University of Timi oara, Faculty of Industrial Chemistry and Environmental Engineering, Victoriei Sq. no. 2, 30006, Timi oara, Timi , România, Tel: +40256403069; Fax: +40256403060; [www.upt.ro](http://www.upt.ro)

- Research field: Complex physico-chemical screening techniques for compounds of pharmaceutical interest and with potential biological activity

**Business or sector** Higher education and research

September 2015-August 2020

**Associate Professor of Physical Chemistry, PhD**

„Victor Babe ” University of Medicine and Pharmacy, Faculty of Pharmacy, Department I, Discipline of Physical Chemistry, Eftimie Murgu Sq. no. 2, 300041 Timi oara, Timi , România, Tel. +40256204476, [www.umft.ro](http://www.umft.ro)

- Main courses taught: Physical Chemistry I and II; Physico-chemical bases of drug preformulation; Drug design; Polymorphism of drugs
- Leading practical stages for Pharmacy Students: Physical Chemistry I and II; Principles of Physical Chemistry I and II.

**Business or sector** Higher education and research

March 2013-September 2015

**Lecturer, PhD**

„Victor Babe ” University of Medicine and Pharmacy, Faculty of Pharmacy, Department I, Discipline of Physical Chemistry, Eftimie Murgu Sq. no. 2, 300041 Timi oara, Timi , România, Tel. +40256204476, [www.umft.ro](http://www.umft.ro)

- Courses taught: Physical Chemistry II; Principles of Physical Chemistry I
- Leading practical stages for Pharmacy Students: Physical Chemistry I and II; Principles of Physical Chemistry I and II.

**Business or sector** Higher education and research

September 2011-March 2013

**Teaching Assistant, PhD**

„Victor Babe ” University of Medicine and Pharmacy, Faculty of Pharmacy, Department I, Discipline of Physical Chemistry, Eftimie Murgu Sq. no. 2, 300041 Timi oara, Timi , România, Tel. +40256204476, [www.umft.ro](http://www.umft.ro)

- Coordination of seminars on “Methodology of pharmaceutical scientific research” course
- Coordination of practical activities on “Physical Chemistry” course

**Business or sector** Higher education and research

February 2009-September 2011

**Junior Teaching Assistant**

„Victor Babe ” University of Medicine and Pharmacy, Faculty of Pharmacy, Department I, Discipline of Physical Chemistry, Eftimie Murgu Sq. no. 2, 300041 Timi oara, Timi , România, Tel. +40256204476, [www.umft.ro](http://www.umft.ro)

- Coordination of practical activities on “Physical Chemistry” course

**Business or sector** Higher education and research

## EDUCATION AND TRAINING

June 2017-April 2018

**Habilitation Thesis**

EQF Level 8

“Politehnica” University of Timi oara, Faculty of Industrial Chemistry and Environmental Engineering, Victoriei Sq. no. 2, 30006, Timi oara, Timi , România, Tel: +40256403069; Fax: +40256403060; [www.upt.ro](http://www.upt.ro)

Habilitation thesis in CHEMISTRY (submitted on June 22, 2017, defended on December 8, 2018), entitled “Techniques for complex physico-chemical screening of compounds of pharmaceutical interest and potential biological activity”. The habilitation certificate obtained through OMEN no. 3367/22.03.2018, respectively becoming doctoral supervisor in the field of Chemistry in IOSUD UPT, according to the decision 542/112/ C of 23.04.2018

May 2014-September 2015

**Postdoctoral Studies**

EQF Level 8

West University of Timi oara, Faculty of Physics, Vasile Pârvan no.4, 300223 Timi oara – România, Tel. +40 (0) 256 592108; [www.uvt.ro](http://www.uvt.ro)

- Research project: Studies of thermally-induced interactions in the class of bioactive compounds using hyphenated and complementary techniques. Funder: POSDRU/159/1.5/S/137750

October 2010-September 2011

**Master Degree**

EQF Level 7

„Victor Babe ” University of Medicine and Pharmacy , Faculty of Pharmacy, Eftimie Murgu Sq. no. 2 300041 Timi oara – România, Tel. +40 (0) 256 204476; [www.umft.ro](http://www.umft.ro)

- Subjects covered: Formulation and evaluation of dermato-cosmetic products, coordinator: Professor Anca-Octavia Dragomirescu, PhD.
- Dissertation theme: QSAR modelling of skin permeability to different chemical compounds. Advisor: Professor Ludovic Kurunczi, PhD.

October 2007-November 2010

**Doctoral Studies in Chemistry**

EQF Level 8

“Politehnica” University of Timi oara, Faculty of Industrial Chemistry and Environmental Engineering Victoriei Sq. no. 2, 300006 Timi oara – România, Tel. +40 (0) 256 403063; [www.upt.ro](http://www.upt.ro)

- Subjects covered: Organic Synthesis; Spectroscopy (IR technique, NMR, GC-MS); Biological Activities;
- Thesis theme: Studies regarding the synthesis of functionalized mercapto-triazoles and their use as ligands and potentially bioactive compounds. Advisor: Professor Carol Csunderlik, PhD

October 2002-July 2007

**Chemical Engineer**

EQF Level 6

“Politehnica” University of Timi oara, Faculty of Industrial Chemistry and Environmental Engineering Victoriei Sq. no. 2, 300006 Timi oara – România, Tel. +40 (0) 256 403063; [www.upt.ro](http://www.upt.ro)

- Subjects covered: Chemistry and Chemical Engineering;
- Certificate of graduation of psychological and pedagogical courses: Educational psychology, Pedagogy, Sociology, Educational communication
- Diploma of long term higher education (5 years) in Chemical Engineering (final examination grade: 10.00; ECTS grade 9.86).

September 1998-June 2002

**Baccalaureate Diploma**

EQF Level 4

“Constantin Diaconovici Loga” National High School, Timi oara, Romania

- Upper secondary education, general education focused on mathematics and physics
- Baccalaureate Diploma, final examination grade: 9.71

## PERSONAL SKILLS

Mother tongue Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Proficient User					
French	C1	C1	C1	C1	C1
Proficient User					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

**Communication skills** Good communication skills acquired both during the research period (documentation and synthesis for the elaboration of the doctoral thesis, master's dissertation and postdoctoral studies)

- Development of communication and presentation skills as a result of experience in university education.

**Organisational / managerial skills**

- Team spirit, acquired in professional practice and in research activities with colleagues
- In 2004 I obtained the diploma of merit for the activity carried out within the project of the County Foundation for Youth entitled "Campaign for the civic participation of young people"
- Between November 10-12, 2006, I participated in the training program regarding the Implementation of the school program of "Counseling and Orientation" at the School with cls. I-VIII no.18 Timi oara
- Between November 10-14, 2006, I attended professional training courses in order to use AeL software and to develop educational materials for AeL.
- Organizational spirit, acquired after carrying out laboratory and seminar activities with students

**Job-related skills**

- Physical chemistry and kinetics - expertise in advanced instrumental screening
  - Thermal analysis and hyphenated analysis techniques;
  - Spectroscopy (IR technique in tablet and ATR, NMR, 2D NMR, GC-MS, UV-VIS)
  - Kinetic studies in homogeneous and heterogeneous environments (solids)
  - Diffractometry (X-ray) and scanning electron microscopy (SEM)
  - QSAR modeling of skin permeability to various chemical agents
- Chemistry of natural compounds
  - Isolation and characterization of bioactive compounds from natural sources
  - Derivatization of natural compounds to semi-synthetic products: purification and characterization

Chemical synthesis and physico-chemical properties of the analytes

- Heterocyclic compounds and precursors (acids, esters, hydrazides, Schiff bases, etc.) - 1,2,4-triazoles and their functionalization
- Derivatization of natural compounds to semi-synthetic products: purification and characterization
- Synthesis of coordination compounds (metal complexes) by various techniques
- Design of supramolecular adducts for bioactive compounds (adducts with natural and semi-synthetic cyclodextrins, adducts such as crystals and salts, etc.)

## Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user  
[Digital competences - Self-assessment grid](#)

good command of Microsoft Office (Word, Excel, PowerPoint, Visio), ISIS Draw, ChemOffice, Origin, TableCurve, MatLab, AeL., AutoCAD, AKTS)

- good knowledge of Internet use, including web research

Other skills      photography and digital image processing  
                         painting  
                         clay modelling

Driving licence      B

#### ADDITIONAL INFORMATION

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Publications and citations      I have authored 112 ISI scientific papers in international journals (2010-January 2022), which have gained 1237 citations (Web of Science, Clarivate Analytics), most of which are related to the Physical Chemistry of Drugs (preformulation studies of active pharmaceutical ingredients). I am also the author / co-author of several textbooks and the author of a monograph.

h-index      19 (according to Web of Science);

Research projects      I participated in 7 research projects obtained through national competition. The main area of expertise in these projects was the use of thermal analysis and molecular spectroscopy as investigative methods in the class of bioactive or potentially bioactive compounds.

Conferences      I have participated in a series of national and international scientific conferences, both with oral presentations and with posters, with over 160 presented materials. Most of the materials presented are in the field of Physical Chemistry of the drugs.

Prizes      The "Professor Bologna" distinction awarded by the National Alliance of Student Organizations in Romania (ANOSR), 12th Edition, at the Professor Bologna Gala, between May 23-26, 2019, in Ia i  
                         39 of the ISI works were awarded at national level by UEFISCDI (Executive Unit for the Financing of Higher Education, Research, Development and Innovation in Romania).

Member of scientific associations      Member of the Romanian Chemical Society (SChR)  
                         Member of the International Association of Physical Chemists (IAPC)  
                         Member of the Thermal Analysis and Calorimetry Commission of the Romanian Academy (CATCAR)

References      Available on request

#### ANNEXES

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▪ Publication list

Timi oara,  
January 27, 2022

Professor Ionu -Valentin Lede i, PhD., Habil.

## LIST OF PUBLICATIONS

### A1. BOOKS

1. **Ionu -Valentin Lede i**, *Bazele fizico-chimice ale preformul rii medicamentului - Volumul I: Structura materiei. St ri de agregare*, Editura Mirton, Timi oara, 2018, ISBN 978-973-52-1771-6 general; ISBN 978-973-52-1772-3 volum I, 224 pages;
2. Adriana-Violeta Ledeti, Carmen Axente, Denisa-Laura Cîrcioban, **Ionu -Valentin Lede i**, Florin Borcan, *Chimie Analytique Quantitative – notes de cours*, Editura Mirton, Timi oara, 2018, ISBN 978-973-52-1770-9, 273 pages;
3. Adriana-Violeta Ledeti, **Ionu -Valentin Lede i**, Denisa-Laura Cîrcioban, *Bazele practice ale analizei chimice calitative – Aplicații în domeniul farmaceutic*, Editura Mirton, Timi oara, 2018, ISBN 978-973-52-1781-5, 211 pages;
4. Georgeta Maria Simu, Ludovic Kurunczi, **Ionu -Valentin Lede i**, *Chimie Physique Notes de Cours, Tome Second : Spectroscopie, Cinétique et Colloïdes*, Editura Victor Babe , Timi oara, 2014, ISBN 978-606-8456-01-0, 226 pages.
5. **Ionu -Valentin Lede i**, Georgeta Maria Simu, *Chimie Physique Appliquée – Spectroscopie, Electrochimie, Cinétique chimique, Systèmes dispersés*, Editura Mirton, Timi oara, 2012, ISBN 978-973-52-1207-0, 128 pages;
6. Georgeta Maria Simu, **Ionu -Valentin Lede i**, *Chimie fizic aplicat pentru farmaci ti (II)*, Editura Mirton, Timi oara, 2011, ISBN 978-973-52-1006-9, 120 pages;
7. Georgeta Maria Simu, **Ionu -Valentin Lede i**, *Chimie Physique Appliquée – Thermodynamique classique, Propriétés structurales des molécules*, Editura Mirton, Timi oara, 2011, ISBN 978-973-52-1103-5, 110 pages;
8. **Ionu -Valentin Lede i**, Georgeta Maria Simu, *Chimie fizic aplicat pentru farmaci ti (I)*, Editura Mirton, Timi oara, 2010, ISBN 978-973-52-0908-7, 122 pages;
9. **Lede i Ionu -Valentin**, *Studiul sintezei mercapto-triazolilor funcionaliza i, compu i cu potențială activitate biologică*, Editura Politehnica Timi oara, Seria Teze de doctorat 2(14), 2010, ISBN 978-606-554-217-4, 258 pages.

### A2. HABILITATION THESIS

COMPLEX PHYSICO-CHEMICAL SCREENING TECHNIQUES OF COMPOUNDS OF PHARMACEUTICAL INTEREST AND WITH POTENTIAL BIOLOGICAL ACTIVITY, Domain: Exact Sciences - CHEMISTRY; defended on December 8, 2017. The certificate of habilitation obtained through OMEN no. 3367 / 22.03.2018, respectively becoming doctoral supervisor in the field of Chemistry in IOSUD UPT, according to the decision 542/112 / C of 23.04.2018

### B1. ISI PAPERS

#### B1.1 IN EXTENSO ISI ORIGINAL ARTICLES AND REVIEWS (\*corresponding authors; # authors with equal contribution)

No.	Authors	Title of article	Journal	IF	Year of IF	Author
1.	Laura Sbârcea, Ionuț-Mihai Tanase, Adriana Ledeti, Denisa Cîrcioban, Gabriela Vase, Paul Barvinschi, Marinela Mîdău, Renata-Maria Vârut, Oana Suci, <b>Ionuț Ledeti</b>	Risperidone/Randomly Methylated $\beta$ -Cyclodextrin Inclusion Complex—Compatibility Study with Pharmaceutical Excipients	Molecules, 2021, 26(6), 1690; <a href="https://doi.org/10.3390/molecules26061690">https://doi.org/10.3390/molecules26061690</a>	4.412/2020	2020	Last author
2.	Laura Sbarcea, Ionuț-Mihai Tanase, Adriana Ledeti*, Denisa Cîrcioban, Gabriela Vase, Paul Barvinschi, Marinela Mîdău, Renata-Maria Vârut, 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	4.412	2020	Last author
3.	Denisa Cîrcioban, <b>Ionuț Ledeti</b> , Lenuta-Maria Suta, Gabriela Vase, Adriana Ledeti*, Titus Vase, Renata Vârut, 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	Co-author
4.	Denisa Cîrcioban, Adriana Ledeti*, Gabriela Vase, Titus Vase, Cristina Dehelean, <b>Ionuț Ledeti</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	Last author
5.	Denisa Cîrcioban, Adriana Ledeti*, Gabriela Vase, <b>Ionuț Ledeti</b> , Titus Vase, Renata Vârut, 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	Co-author
6.	Ionuț-Mihai Tanase, Laura Sbarcea*, Adriana Ledeti, Paul Barvinschi, Denisa	Compatibility studies with pharmaceutical excipients for	Journal of Thermal Analysis and Calorimetry, 2020, 142(5); 1963-	4.626	2020	Last author

	Circoban, Gabriela Vase, Renata-Maria Varut, <b>Ionu Lede i</b>	aripiprazole-heptakis (2,6-di-O-methyl)-beta-cyclodextrin supramolecular adduct	1976; DOI: 10.1007/s10973-020-09901-7			
7.	<b>Ionu Lede i</b> , Mirabela Romanescu, Denisa Circoban, Adriana Lede i*, Gabriela Vase, Titus Vase, Oana Suci*, Marius Murariu*, Sorin Clariu, Pentru Matusz, Valentina Buda, Doina Pciu	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	First author
8.	Valentina Buda, Bianca Baul, Minodora Andor, Dana Emilia Men, Adriana Lede i*, Gabriela Vase, Titus Vase, Corina Danciu, Petru Matusz, Francisc Peter, <b>Ionu Lede i</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
9.	<b>Ionu Lede i</b> , Cosmina Bengescu, Denisa Circoban, Gabriela Vase, Titus Vase, Carmen Tomoroga, Valentina Buda, Adriana Lede i*, 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	First author
10.	Ionu-Mihai T rase, Laura Sbârcea*, Adriana Lede i, Gabriela Vase, Paul Barvinschi, Renata-Maria V ru, Anca Dragomirescu, Carmen Axente, <b>Ionu Lede i</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	Last author
11.	Anamaria Todea, Diana Aparaschivei, Ioan Bitcan, <b>Ionu V. Lede i</b> , Geza Bandur, Francisc Peter*, Lajos Nagy, Sandor Keki, Emese Biro	Thermal behavior of digl(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	Co-author
12.	Iulia P uescu, Anamaria Todea, Valentin Badea, Francisc Peter, Mihai Medeleanu*, <b>Ionu Lede i</b> , Gabriela Vase, Titus Vase	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	Co-author
13.	Mirela Nicolov, Doina Georgescu, Emiliania Laura Andreici Eftimie, Simona Cirta Pinzaru, Roxana Roman, <b>Ionu Lede i</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	Co-author
14.	Valentina Buda, Minodora Andor, Dana Emilia Baibata, Ramona Cozlac, Gabriela Radu, Dorina Coricovac, Corina Danciu, <b>Ionu Lede i</b> , Adelina Cheveresan, Cristian Nca, Paul Tuduce, Mirela Cleopatra Tomescu	Decreased sEng plasma levels in hypertensive patients with endothelial dysfunction under chronic treatment with Perindopril	Drug Design Development And Therapy, 2019, 13, 1915-1924; DOI: 10.2147/DDDT.S186378	3.216	2019	Co-author
15.	Valentina Buda, Minodora Andor, Carmen Cristescu, Mirela Cleopatra Tomescu, Danina Muntean, Dana Emilia Baibata, Diana Aurora Bordejevic, Corina Danciu, Olivia Dalleur, Dorina Coricovac, Zorin Cr iniceanu, Anca Tudor, <b>Ionu Lede i</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	Co-author
16.	Denisa Circoban, Ioana Zinuca Pavel*, Adriana Lede i, Ionu Lede i, 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	Co-author
17.	Laura Sbârcea, Adriana Lede i*, Lucre ia Udrescu, Renata-Maria V ru, Paul Barvinschi, Gabriela Vase, <b>Ionu Lede i</b>	Betulonic acid–cyclodextrins inclusion complexes	Journal of Thermal Analysis and Calorimetry, 2019, 138(4); 2787-2797; DOI: 10.1007/s10973-019-08359-6	2.731	2019	Co-author/Last author
18.	Mhaela Cristea, Bianca Baul, <b>Ionu Lede i</b> *, Adriana Lede i, Gabriela Vase, Titus Vase, Bo ena Karlewicz, Oana tef nescu, Anca Octavia Dragomirescu, Cezara Mure an, Dan-Simion Cipu, Dana Velimirovici, Mroea tef nescu	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
19.	Cristina Trandafirescu#, <b>Ionu Lede i</b> #, Coadu a oica*, Adriana Lede i, Gabriela	Albendazole-cyclodextrins binary systems. Thermal and spectral	Journal of Thermal Analysis and Calorimetry,	2.731	2019	First author

	Vlase, Florin Borcan, Cristina Dehelean, Dorina Coricovac, Roxana Racoviceanu, Zoltán Aigner	investigation on drug-exipient interaction	2019,138(5); 3039-3054; DOI: 10.1007/s10973-019-08326-1			
20.	<b>Ionut Ledeti</b> , Mihaela Budiu, Petru Matusz, Gabriela Vlase, Denisa Ciocioban, Cristina Dehelean, Lenuta-Maria Suta, Angelica Caurii, 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	First author
21.	Adriana Ledeti, Gabriela Vlase, Titus Vlase, Denisa Ciocioban, Cristina Dehelean, <b>Ionut 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
22.	Adriana Ledeti, Gabriela Vlase, Titus Vlase, Denisa Ciocioban, Cristina Dehelean, <b>Ionut 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
23.	Adriana Ledeti, Tudor Clariu, Angelica Caurii, Gabriela Vlase, Denisa Ciocioban, Bianca Baul, <b>Ionut 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
24.	<b>Ionut Ledeti##</b> , Agneta Pusztai##, Cezara Mure an##, Denisa Ciocioban, Gabriela Vlase, Carmen Axente, Lenuta-Maria Suta, 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	First author
25.	Denisa Ciocioban, <b>Ionut 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	Co-author
26.	Denisa Ciocioban, Adriana Ledeti, Gabriela Vlase, Alina Mboac , <b>Ionut Ledeti*</b> , Claudia Farca , 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
27.	<b>Ionut Ledeti##</b> , Agneta Pusztai##, Cezara Mure an##, Denisa Ciocioban, Gabriela Vlase, Marius Murariu, Lenuta-Maria Suta, 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	First author
28.	Denisa Ciocioban, Adriana Ledeti, Gabriela Vlase, Dorina Coricovac, Alina Mboaca, Claudia Farcas, Titus Vlase, <b>Ionut 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
29.	<b>Ionut Ledeti##</b> , Agneta Pusztai##, Marius Murariu##, Sorin Clariu, Codru Ivan, Denisa Ciocioban, 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	First author
30.	<b>Ionut Ledeti##</b> , Marius Murariu##, Gabriela Vlase, Titus Vlase, Nicolae Doca, Adriana Ledeti*, Lenuta-Maria Suta, Tudor Clariu	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	First author
31.	Valentina Buda, Mirodora Andor, Adriana Ledeti, <b>Ionut 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
32.	Rodica Narcisa Tanasescu, Razvan Bardan, Adriana Ledeti, <b>Ionut Ledeti</b> , Petru Matusz, Germaine S voiu-Balint, Sorin Bolintineanu	Considerations on Thermal Behaviour and Porosity of Renal Calculi in Bisphosphonate-Treated Postmenopausal Women	Revista de Chimie –Bucharest, 2017, 68(6), 1259-1263	1.412	2017	Co-author
33.	Corina Danciu*, Ersilia Alexa, Stefana Avram, Daliana Minda, Ioana Pavel, Roxana Babuta, Marius Moc, <b>Ionut Ledeti</b> , Ioana Cuc Hepcal, Andrei Mbotoc	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	Co-author
34.	<b>Ionut Ledeti</b> , Sorin Bolintineanu, Gabriela Vlase, Denisa Ciocioban, Adriana Ledeti, Titus Vlase, Lenuta-Maria Suta, Angelica Caurii, 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	First author

35.	<b>Ionut Ledeti</b> , Sorin Bolintineanu, Gabriela Vase, Denisa Cirocban, Cristina Dehelean, Lenuța-Maria Suta, Angelica Caunii, Adriana Ledeti, Titus Vase, 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	First author
36.	Lenuța-Maria Suta, Gabriela Vase, Titus Vase, Germaine Balint-S voiu, Tudor Clariu, Ionela Belu, Adriana Ledeti*, Marius-Sorin Murariu, Lavinia Stelea, <b>Ionu Lede i</b>	Thermal characterization of cholesterol in air vs. nitrogen atmosphere	Revista de Chimie –Bucharest, 2016; 67(1):84-86	1.232	2016	Co-author/Last author
37.	Lenuța-Maria Suta, Gabriela Vase, Titus Vase, Tudor Clariu, <b>Ionu Lede i*</b> , Ionela Belu, Codru Ivan, Cristian Andrei Sarau, Germaine Balint-S voiu, Lavinia Stelea, Adriana Ledeti	Solid state stability of cholesterol: preliminary kinetic analysis	Revista de Chimie –Bucharest, 2016; 67(1):113-115	1.232	2016	Coresp
38.	Lenuța-Maria Suta, Gabriela Vase, Adriana Ledeti*, Titus Vase, Petru Matusz, Cristina Trandafirescu, Denisa Cirocban, Sorin Clariu, Ivan Codru, Marius Murariu, Lavinia Stelea, <b>Ionut Ledeti</b>	Solid-State Thermal Behaviour of Cholic Acid	Revista de Chimie –Bucharest, 2016, 67(2): 329-331	1.232	2016	Co-author/Last author
39.	Adriana Ledeti, Gabriela Vase, <b>Ionut Ledeti*</b> , Titus Vase, Petru Matusz, Cristina Dehelean, Denisa Cirocban, Lavinia Stelea, Lenuța-Maria Suta	Thermal Stability of Desipramine and Imipramine	Revista de Chimie –Bucharest, 2016, 67(2): 336-338	1.232	2016	Coresp
40.	Laura Șbârcea, Lucreia Udrescu, <b>Ionu Lede i</b> , Zoltan Szabadi, Adriana Fulia *, Claudiu Șbârcea	-Cyclodextrin inclusion complexes of lisinopril and zofenopril. Physicochemical characterization and compatibility study of lisinopril - cyclodextrin with lactose.	Journal of Thermal Analysis and Calorimetry 2016, 123(3): 2377-2390; DOI:10.1007/s10973-015-5045-7	1.953	2016	Co-author
41.	Lenuța Maria Suta, Petru Matusz, Adriana Ledeti*, Codru Ivan, Marius Murariu, Mișca Constantin Sora, <b>Ionut Ledeti</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	Co-author/Last author
42.	Cristina Trandafirescu, Codruța Soica, Adriana Ledeti, Florin Borcan*, Lenuța-Maria Suta, Marius Murariu, Cristina Dehelean, Daniela Ionescu, <b>Ionut Ledeti</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	Co-author/Last author
43.	<b>Ionut Ledeti</b> , Gabriela Vase, Titus Vase, Marius Murariu, Cristina Trandafirescu, Lenuța Maria Suta, Cristina Dehelean, Adriana Ledeti*, Codruța Soica	Non-isothermal Isoconversional Kinetic Study Regarding the Degradation of Albendazole	Revista de Chimie –Bucharest, 2016, 67(3): 549-552	1.232	2016	First author
44.	Marius Sorin Murariu, Sorin Clariu, Codru Ivan, <b>Ionut Ledeti*</b> , Titus Vase, Gabriela Vase, Adriana Ledeti, Nicoleta Iacob, Gratian Mdaus, 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
45.	Cristina Trandafirescu, <b>Ionut Ledeti</b> , Dorina E Coricovac, Codruța 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	Co-author
46.	Diana Antal, Iulia Pinzaru, Florin Borcan, Teodora Marti, <b>Ionu Lede i</b> , Dorina Coricovac, Stefan Schweiger, Hermann Stuppner, Cristina Dehelean*, Evelyne Ollivier, Codruța Soica	Inclusion Complexes of the Aurone Sulfuretin and the Chalcone Butein from <i>Cotinus coggygia</i> Wood in Two Cyclodextrin Types First data on physico-chemical properties	Revista de Chimie –Bucharest, 2016, 67(6): 1104-1109	1.232	2016	Co-author
47.	<b>Ionut Ledeti</b> , Adriana Ledeti*, Gabriela Vase, Titus Vase, Petru Matusz, Vasile Bercean, Lenuța Maria Suta, Doina Piciu	Thermal stability of synthetic thyroid hormone L-thyroxine and L-thyroxine sodium salt hydrate both pure and in pharmaceutical formulations	Journal of Pharmaceutical and Biomedical Analysis, 2016; 125: 33–40 DOI: 10.1016/j.jpba.2016.03.026	3.255	2016	First author
48.	Adriana Fulias, <b>Ionut Ledeti*</b> , Gabriela Vase, Titus Vase, Codruța Soica, Cristina Dehelean, Camelia Oprean, Florina Bojin, Lenuța-Maria Suta, Vasile Bercean, Stefana Avram	Thermal degradation, kinetic analysis, and apoptosis induction in human melanoma for clematic 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
49.	<b>Ionut Ledeti</b> , Gabriela Vase, Titus Vase, Adriana Fulias *, Lenuța-Maria Suta	Comparative thermal stability of two similar-structure hypolipidemic agents – Simvastatin and	Journal of Thermal Analysis and Calorimetry 2016; 125(2): 769-775, DOI: 10.1007/s10973-015-5071-5	1.953	2016	First author



		Lovastatin. Kinetic Study				
50.	Ionu t Ledeti, Vasile Bercean, Gabriela Vase, Titus Vase, 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	First author
51.	Diana Antal, Florina Ardelean, Iulia Pinzaru, Florin Borcan, Ionu Lede i, Dorina Coricovac, Istvan Zupko, Beatrice Baghdikian, Evelyne Olivier, 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	Co-author
52.	Roxana Blajovan, Ionu t Ledeti, Gabriela Vase, Adriana Ledeti*, Titus Vase.	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	Co-author
53.	Adriana Ledeti, Gabriela Vase, Titus Vase, Vasile Bercean, Marius Sorin Murariu, Ionu t Ledeti*, Lenuta-Maria Suta	Solid-State Preformulation Studies Of Amiodarone Hydrochloride	Journal of Thermal Analysis and Calorimetry 2016; 126(1): 181-187. DOI: 10.1007/s10973-016-5256-6	1.953	2016	Coresp
54.	Gabriela Vase, Constantin Bolcu, Dorina Modra, Mhaela Budiul, Ionu Lede i, Paul Abu, Titus Vase*	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	Co-author
55.	Adriana Ledeti, Gabriela Vase, Denisa Croicoban, Ionu t Ledeti, Cristina Dehelean, Lavinia Stelea, Titus Vase, 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
56.	Ionu t Ledeti, Anda Alexa, Vasile Bercean, Gabriela Vase, Titus Vase, Lenu a-Maria uta, Adriana Fulia *	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	First author
57.	Lucre ia Udrescu*, Adriana Fulia , Ionu t Ledeti, Gabriela Vase, 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	Co-author
58.	Ionu t Ledeti, Vasile Bercean*, Anda Alexa, Codruta Soica, Lenuta-Maria Suta, Cristina Dehelean, Cristina Trandafirescu, Delia Muntean, Monica Licker, Adriana Fulias	Preparation and Antibacterial Properties of Substituted 1,2,4-Triazoles	Journal of Chemistry, 2015, Article no. 879343, 1-5 DOI:10.1155/2015/879343	0.996	2015	First author
59.	Lucretia Udrescu*, Laura Sbârcea, Adriana Fulias, Ionu t Ledeti, Titus Vase, 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	Co-author
60.	Ionu Lede i, Gabriela Vase, Ionel Ciucanu, Tudor Olariu, Adriana Fulia *, Lenu a-Maria uta, Ionela Belu	Analysis of solid binary systems containing simvastatin	Revista de Chimie –Bucharest, 2015; 66(2): 240-243	0.956	2015	First author
61.	Codrut Ivan, Ionu Lede i *, Gabriela Vase, Titus Vase, Adriana Fulia , Sorin Clariu	Study of Solid-State Behaviour of Some Human Gallstones	Revista de Chimie –Bucharest, 2015; 66(2): 265-270	0.956	2015	Coresp
62.	Laura Sbârcea, Ionu Lede i, Liana Dr gan, Ludovic Kurunczi, Adriana Fulia *, Lucre ia Udrescu	Fosinopril sodium-hydroxypropyl- -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	Co-author
63.	Lenuta-Maria Suta, Ionu t Ledeti*, 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
64.	Ionu t Ledeti, Gabriela Vase, Titus Vase, 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	First author
65.	Amina Ramona Popovici, Gabriela Vase*, Titus Vase, Lenu a-Maria Suta, C lin Popciu, Ionu t Ledeti, Gheorghe Iov nescu, Adriana Fulias	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	Co-author
66.	Codrut Ivan, Lenuta-Maria Suta, Tudor Olariu, Ionu t Ledeti*, Gabriela Vase, Titus Vase, Sorin Clariu, 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
67.	Ionu Lede i, Gabriela Vase*, Titus Vase, Vasile Bercean, Adriana Fulia	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	First author
68.	Adriana Fulia , Gabriela Vase, Titus Vase, Lenu a-Maria uta, Codru a oica, Ionu	Screening and characterization of cocrystal formation between	Journal of Thermal Analysis and Calorimetry, 2015, 121(3):1081-	1.781	2015	Coresp

	<b>Lede i*</b>	carbamazepine and succinic acid	1086 DOI: 10.1007/s10973-015-4473-8			
69.	Adriana Fulia , Gabriela Vase, <b>Ionu Lede i*</b> , Lenu a-Maria uta	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
70.	<b>Ionut Ledeti</b> , Gabriela Vase, Titus Vase, Lenuta-Maria Suta, Anamaria Todoa, 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	First author
71.	Ionut Ledeti, Gabriela Vase, Titus Vase, 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	First author
72.	<b>Ionu Lede i</b> , tefana Avram*, Vasile Bercean, Gabriela Vase, Titus Vase, Adriana Lede i* Istvan Zupko, Marius Moc, Lenu a-Maria uta, Codruta Soica, Cristina Dehelean	Solid-State Characterization and Biological Activity of Betulonic Acid Derivatives	Molecules, 2015, 20(12): 22691-22702 DOI:10.3390/molecules201219876	2.465	2015	First author
73.	Rodica Narcisa Tanasescu, Adriana Fulias*, <b>Ionut Ledeti</b> , Mariana Ioana Miron, Petru Matuz	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	Co-author
74.	Adriana Fulias, Calin Popoiu*, Gabriela Vase, Titus Vase, Daniela Onetiu, Germaine Savoiu, Georgeta Simu, Cristina Patruescu, Gheorghe Ilia, <b>Ionut 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	Co-author/Last author
75.	Gheorghe Nodi i, Adriana Fulia *, <b>Ionut Lede i</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	Co-author/Last author
76.	Gheorghe Nodi i, <b>Ionut Lede i*</b> , Georgeta Simu, Lenuta-Maria Suta, Daniela Onetiu, Adriana Fulias	Microwave - Assisted synthesis of local anaesthetic procaine from benzocaine	Revista de Chimie –Bucharest, 2014, 65(1), 65-67	0.810	2014	Coresp
77.	Lucretia Udrescu*, Laura Sbarcea, Adriana Fulias, <b>Ionut Ledeti</b> , Gabriela Vase, Paul Barvinschi, Ludovic Kurunzi	DFT Molecular modelling of the fosinopril $\beta$ -cyclodextrin inclusion complex	Journal of Spectroscopy, 2014, art.no 748468, 1-14 DOI:10.1155/2014/748468	0.538	2014	Co-author
78.	<b>Ionut Ledeti</b> , Georgeta Simu*, Gabriela Vase, Titus Vase, Tudor Clariu, Germaine Savoiu, Lenuta-Maria Suta, Calin Popoiu, Adriana Fulias	N(II) Coordination Compound with Acetaminophen. Synthesis and Characterization	Revista de Chimie –Bucharest, 2014; 65(5): 556-559.	0.810	2014	First author
79.	Tudor Clariu, Lenuta-Maria Suta, Calin Popoiu, <b>Ionut Ledeti*</b> , Georgeta Simu, Germaine Savoiu, Adriana Fulias	Alternative Synthesis of Paracetamol and Aspirin Under Non-conventional Conditions	Revista de Chimie –Bucharest, 2014; 65(6): 633-635.	0.81	2014	Coresp
80.	Georgeta Simu, <b>Ionut Ledeti</b> , Simona Muntean, Adriana Fulias, Ioana Ciu, Codruta Soica, Doina Onisei, Germaine Savoiu-Balint, Iulia Pinzaru*, Daniela Ionescu	Study of the interaction of some pharmaceutical compounds with different cellulosic supports	Revista de Chimie –Bucharest, 2014; 65(6): 664-670.	0.81	2014	Co-author
81.	Mihail Birzescu, Marius Milea, Dan Rosu, <b>Ionu Lede ti*</b> , Madan Rafaila, Viorel Sasca, Miroea Nculescu	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
82.	Iulia Pinzaru, Cristina Trandafirescu, Zoltan Szabadai, Marius Moc, <b>Ionu Lede ti</b> , Dorina Coricovac, Sorina Ciurlea*, Roxana Ghiulai, Zorin Crainiceanu, Georgeta Simu	Synthesis and Biological Evaluation of Some Pentacyclic Lupane Triterpenoid Esters	Revista de Chimie –Bucharest, 2014; 65(7): 848-851	0.81	2014	Co-author
83.	<b>Ionut Ledeti</b> , Titus Vase, Gabriela Vase, 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	First author
84.	Gheorghe Pupca, Viorel Bucuras, Gabriela Vase, Titus Vase, Adriana Fulias*, <b>Ionut Lede i</b>	Solid-State Analysis of Some Urinary Calculi	Revista de Chimie –Bucharest, 2014; 65(9):1058-1062	0.81	2014	Co-author/Last author
85.	Miroea Nculescu, <b>Ionut Ledeti*</b> , Mihail	New methods to obtain carboxylic	Journal Of Organometallic	2.173	2014	Coresp

	Birzescu	acids by oxidation reactions of 1,2-ethanediol with metallic nitrates	Chemistry, 2014; 767, 108-111 DOI:10.1016/j.jorgchem.2014.05.041			
86.	Maria Ilici, Vasile Bercean, Monica Venter, <b>Ionut Ledeti*</b> , Tudor Clariu, 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. DOI: 10.1007/s10973-014-3727-1	0.81	2014	Coresp
87.	Adriana Fulias, Gabriela Vase, Codruta Soica, Vasile Bercean, Titus Vase, <b>Ionut 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
88.	Adriana Fulias, Gabriela Vase*, Titus Vase, Daniela Onetiu, Nicolae Docu, <b>Ionut 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	Co-author/Last author
89.	<b>Ionut Ledeti</b> , Gabriela Vase*, Titus Vase, Nicolae Docu, 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	First author
90.	Bogdan Tita*, <b>Ionut 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	Co-author
91.	Codruta Soica, Adriana Fulia *, Gabriela Vase, Cristina Dehelean, Titus Vase, <b>Ionu Lede i</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	Co-author/Last author
92.	Adriana Fulias, Codruta Soica, <b>Ionut Ledeti</b> , Titus Vase, Gabriela Vase, 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	Co-author
93.	<b>Ionut 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	First author
94.	Mircea Nculescu, Petru Budrugaec, <b>Ionut Ledeti*</b> , Vasile Poche, 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
95.	<b>Ionu Lede i</b> , Adriana Fulia *, Gabriela Vase, Titus Vase, Nicolae Docu	Novel Triazolic Copper (II) Complex: Synthesis, Thermal Behaviour And Kinetic Study	Revue Roumaine de Chimie, 2013, 58(4-5), 441-450.	0.393	2013	First author
96.	Adriana Fulia , Gabriela Vase, Titus Vase, Codruta Soica, Alina Heghes, Marius Craina*, <b>Ionu 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	Co-author/Last author
97.	Mircea Nculescu, Dan Rosu, <b>Ionu Ledeti*</b> , Marius Mlea, 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
98.	Adriana Fulia , <b>Ionu Lede i*</b> , Gabriela Vase, Titus Vase	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
99.	Adriana Fulias, Gabriela Vase*, Carmen Grigorie, <b>Ionu Lede i</b> , Paul Albu, Mihai Bilanin, Titus Vase	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	Co-author
100.	Adriana Fulia #, <b>Ionu Lede i#</b> , Gabriela Vase#, C llin Popoiu#, Alina Heghe #,	Thermal behaviour of procaine and benzocaine Part II: compatibility	Chemistry Central Journal, 2013, 7:140.	1.663	2013	Co-author

	Mihai Bilanin#, Titus Vase#, Dorina Gheorghesu, Marius Craina, Simona Ardelean, Otilia M rginian, Liana Mo	study with some pharmaceutical excipients used in solid dosage forms	DOI: 10.1186/1752-153X-7-140			
101.	<b>Ionu Lede i</b> , Georgeta Simu, Gabriela Vase, Germaine S voiu, Titus Vase, Lenu a-Maria uta, C lin Popoiu*, Adriana Fulia	Synthesis and Solid-State Characterization of Zn(II) Metal Complex with Acetaminophen.	Revista de Chimie –Bucharest, 2013, 64(10), 1127-1130.	0.677	2013	First author
102.	Lenuta-Maria Suta, Lavinia Maia*, Adriana Fulias, <b>Ionut Ledeti</b> , Daniel Hadaruga, Constantin Miriciu	Evaluation study of the inclusion complexes of some oxicans with 2-hydroxypropyl- -cyclodextrin	Revista de Chimie –Bucharest, 2013; 64(11):1279-1283.	0.677	2013	Co-author
103.	<b>Ionut Ledeti</b> , Adriana Fulias*, Gabriela Vase, Titus Vase, 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 https://doi.org/10.1007/s10973-013-3123-2	2.206	2013	First author
104.	Cristina Dehelean, Codru a oica*, <b>Ionut Ledeti</b> , Mihaela Aluas, Istvan Zupko, Atena Gălu can, Simona Crinta-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	Co-author
105.	Bogdan Ti a*, Adriana Fulia , Geza Bandur, <b>Ionu Lede i</b> , Dumitru Ti a	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	Co-author
106.	Vasile Bercean*, <b>Ionu V. Lede i</b> , Valentin Badea, Mihaela B lan, 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	Co-author
107.	<b>Ionu V. Lede i</b> , Vasile Bercean*, Ionu M. T nase, Andreea Creang , 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	First author
108.	<b>Ionu V. Lede i*</b> , Vasile N. Bercean, Valentin Badea, Mihaela B lan, 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	First author

### B1.2 ISI PROCEEDING PAPERS PUBLISHED IN EXTENSO (\*corresponding authors; # authors with equal contribution)

No.	Authors	Title of article	Conference/Journal	IF	Year of IF	Author
1.	Emiliana-Laura Andreici Eftimie*, Roxana Roman, Mirela Nicolov, <b>Ionu Lede i</b> , Zoltan Szabadai, Nicolae M. Avram	DFT Calculation of Vibrational Frequencies for Betulinic Acid Methanol Monosolvate	TIM15-16 PHYSICS CONFERENCE Edited by: Vizman, D; Popescu, A Book Series: AIP Conference Proceedings Volume: 1796, Article Number: 030012, DOI: 10.1063/1.4972377 Published:2017 Conference: TIM15-16 Physics Conference Location: W Univ Timisoara, Phys Fac, Timisoara, ROMANIA Date: MAY 26-28, 2016	-	-	Co-author
2.	Adriana Fulias, Gabriela Vase, Anamaria Tocea, Titus Vase, <b>Ionut 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 ISI MEETING ABSTRACTS

No.	Authors	Title of article	Conference/Journal	IF	Year of IF	Author
1.	Valentina Oana Buda, Olivia Dalleur, Andreea Prelipcean, Dana Emilia Man,	Misuse of Drugs in Romanian Elderly Population	Atherosclerosis Volume 331	5.162/2020	2020	Co-author

	Octavian Cretu, Minodora Andor, Corina Danciu, <b>Ionuț Ledeti</b> , Lucian Petrescu		Page E269-E270 Meeting Abstract P668 Published AUG 2021 Indexed 2021-09-23 Document Type Meeting Abstract			
2	Valentina Oana Buda, Andreea Prelipcean, Minodora Andor, Carmen Cristescu, Maria Suci, Liana Suci, Maria Cristiana Mădă, 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	5.162/2020	2020	Co-author

## B2. SCIENTIFIC PAPERS PUBLISHED IN BDI JOURNALS

No.	Authors	Title of article	Journal	Author
1	Denisa Cîrcioban, <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.	Coresp
2	<b>I. V. Lede i</b> , Andreea A. Alexa, V. N. Bercean	Structural NMR Analysis of Triazolic Compounds Derived From Isonicotinic Acid	Annals of West University of Timi oara, Series Chemistry 2011, 20(1), 81-86	First author
3	<b>I. V. Lede i</b> , V. 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 Timi oara, Series Chemistry 2011, 20(1), 87-93	First author
4	A.A. Creang , V.N. Bercean, V. Badea, <b>I. Lede i</b> , Carol Csunderlik	Benzoylation of thiosemicarbazide	Chem. Bull. "Politehnica" Univ. (Timi oara), 53(67), 1-2, 2008, 45-49.	Co-author

## C. ABSTRACTS FROM INTERNATIONAL AND NATIONAL CONFERENCES (selection)

1.	OBȚINEREA COMPLEXILOR DE INCLUZIUNE A ITRACONAZOL ULUI CU CICLODEXTRINE PENTRU ÎMBUN T ȚIREA BIODISPONIBILITĂȚII (OBTAINING OF INCLUSION COMPLEXES OF ITRACONAZOLE WITH CYCLODEXTRINS FOR BIOAVAILABILITY) Lenuta Maria Suta, Adriana Ledeti , Lavinia Stelea, Denisa Cîrcioban, Delia Muntean, Claudia Watz, Gabriela Vlase, Daniela Stoin, Titus Vlase, <b>Ionuț Ledeti</b> Congresul Național de Farmacie, ediția a XVIII-a, Farmacia: de la inovare la buna practic farmaceutic , 15-17 septembrie 2021, online
2.	INSTRUMENTAL SCREENING REGARDING THE PREFORMULATION OF PREDNISON E IN BINARY SYSTEMS Denisa Cîrcioban, Cosmina Bengescu, Comelia Muntean, Adriana Ledeti, Gabriela Vlase, Anca Dragomirescu, Laura Sbârcea, Carmen Tomoroga, <b>Ionu Lede i</b> XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January, 27 - 28 2021, Udine, Italy. BOOK OF ABSTRACTS, ISBN 9788836230396, P34, p.129-130.
3.	THERMAL STABILITY OF ANTIHYPERTENSIVE DRUG MOXONIDINE – AN ISOCONVERSIONAL KINETIC STUDY Bianca Baul, Denisa Cîrcioban, Carmen Tomoroga, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Laura Sbârcea, Francisc Peter, <b>Ionu Lede i</b> XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January, 27 - 28 2021, Udine, Italy. BOOK OF ABSTRACTS, ISBN 9788836230396, P35, p. 131-132
4.	SOLID-STATE STABILITY OF VALSARTAN – AN ISOCONVERSIONAL KINETIC STUDY FOR DRUG AND PHARMACEUTICAL FORMULATION Bianca Baul, Denisa Cîrcioban, Valentina Buda, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Laura Sbârcea, Francisc Peter, <b>Ionu Lede i</b> XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January, 27 - 28 2021, Udine, Italy. BOOK OF ABSTRACTS, ISBN 9788836230396, P38, p. 137-138
5.	PREFORMULATION STUDIES FOR ARIPIPRAZOLE AND RISPERIDONE – AN INSTRUMENTAL APPROACH Ionuț Tănase, Denisa Cîrcioban, Adriana Ledeti, Gabriela Vlase, Șuta Lenuța-Maria, Laura Sbârcea, Titus Vlase, Daniela Dasc lu, <b>Ionu Lede i</b> XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January, 27 - 28 2021, Udine, Italy. BOOK OF ABSTRACTS, ISBN 9788836230396, P39, p. 139-140
6.	IN VITRO RELEASE STUDY OF TENOXICAM FROM HYDROGELS BASED ON CARBOMER Lenu a-Maria uta, Adriana Ledeti, <b>Ionuț Ledeti</b> , Anca Dragomirescu, Denisa Cîrcioban, Lavinia Stelea, Constantin Mircioiu The 12th Edition of the Biopharmacy-Pharmacokinetics&Industrial Pharmacy Symposium, 8 November 2019, Cluj-Napoca, România, Medicine and Pharmacy Reports Supplement No. 5, Vol. 92, 2019, e-ISSN 2668-1250, p-ISSN 2602-0815, P4, p.S41
7.	PRELIMINARY EVALUATION OF SOLID STATE STABILITY OF PROMESTRIENE <b>Ionuț-Valentin Ledeti</b> , Cosmina Bengescu, Denisa Cîrcioban, Valentina Buda, Lenuța-Maria uta, Oana Suci, Marius Murariu, Anca Dragomirescu, Gabriela Vlase, Titus Vlase, Adriana Ledeti The 12th Edition of the Biopharmacy-Pharmacokinetics&Industrial Pharmacy Symposium, 8 November 2019, Cluj-Napoca, România, Medicine and Pharmacy Reports Supplement No. 5, Vol. 92, 2019, e-ISSN 2668-1250, p-ISSN 2602-0815, P12, p.S48
8.	SHELF-LIFE EVALUATION OF A SYNTHETIC PROGESTOGEN DERIVATIVE IN BINARY MIXTURES Adriana Ledeti, Denisa Cîrcioban, Lenuța-Maria uta, Anca Dragomirescu, Carmen Tomoroga, Marius Murariu, Oana Suci, Gabriela Vlase, Titus

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1st Central and Eastern European Conference on Thermal Analysis and Calorimetry, 7-10 september 2011, Craiova, România, Book of Abstract ISBN 978-606-11-1893-9, PS3.93, p. 433.
143. SYNTHESIS AND PRELIMINARY CHARACTERIZATION OF SOME NEW METAL COMPLEXES CONTAINING S-ALKYLATED TRIAZOLE LIGAND  
**Ionu V. Lede i**, Vasile N. Bercean, Anda A. Creang , Valentin Badea, Card Csunderlik  
Proceedings of the 4th Edition of the Symposium with International Participation „New Trends and Strategies in the Chemistry of Advanced Materials”, 4-5 November 2010, Timi oara, ISSN 2065-0760, P.S.10
144. FACILE SYNTHESIS OF SOME (NEW) SCHIFF BASES DERIVED FROM 4H-4-AMINO-5-MERCAPTO-3-PHENYL -1,2,4-TRIAZOLE  
Anda Creang , Vasile Bercean  
**Ionu Lede i**, Delia Iorga, Bianca Indrei, Valentin Badea, Card Csunderlik  
Proceedings of the 4th Edition of the Symposium with International Participation „New Trends and Strategies in the Chemistry of Advanced Materials”, 4-5 November 2010, Timi oara, ISSN 2065-0760, P.S.11
145. 4H-4-AMINO-3-MERCAPTO-5-PYRIDIL-1,2,4-TRIAZOLES WITH POTENTIAL BIOLOGICAL ACTIVITY  
Anda Creang , Vasile Bercean, **Ionu Lede i**, Valentin Badea, Card Csunderlik  
Proceedings of the 3rd Edition of the Symposium with International Participation „New Trends and Strategies in the Chemistry of Advanced Materials”, 5-6 November 2009, Timi oara, ISSN 2065-0760,, P.S.27
146. SYNTHESIS AND CHARACTERIZATION OF SOME NEW AZOMETHINE DERIVATIVES OF 4H-4-AMINO-3-ARYL-5-ETHOXYCARBONYL-  
METHYLSULFANYL-1,2,4-TRIAZOLES AS POTENT ANTI-INFLAMATORY AGENTS  
**Ionu Lede i**, Vasile Bercean, Ionu T. nase, Anda Creang , Valentin Badea, Sabina N u, Card Csunderlik  
Proceedings of the 3rd Edition of the Symposium with International Participation „New Trends and Strategies in the Chemistry of Advanced Materials”, 5-6 November 2009, Timi oara, ISSN 2065-0760, P.S.28
147. 4H-4-AMINO-5-ARIL-3-MERCAPTO-1,2,4-TRIAZOLI CU CAPACITATE MARITA DE COMPLEXARE  
Andreea-Anda Creang , Vasile-Nicolae Bercean, Valentin Badea, **Ionu Lede i**, Card Csunderlik  
XXX-th Romanian Chemistry Conference, October 8-10 2008 C lim ne ti-C ciulata, Vâlcea, Romania, P.S.I. -21.
148. NOI COLORANTI PIRAZOLIL-AZO-FENOLICI COMPLEXABILI, INTERMEDIARI IN SINTEZA PIRAZOLO[5,1-C]BENZO[1,2-E][1,2,4]TRIAZINELOR  
Vasile-Nicolae Bercean, Sabina N u, **Ionu Lede i**, Valentin Badea, Card Csunderlik  
XXX-th Romanian Chemistry Conference, October 8-10 2008 C lim ne ti-C ciulata, Vâlcea, Romania, P.S.I.-45.

#### D. ORAL COMMUNICATIONS

1. INSTRUMENTAL INVESTIGATIONS OF PROMESTRIENE - FIRST REPORT REGARDING THE SOLID STATE CHARACTERIZATION AND COMPATIBILITY WITH PHARMACEUTICAL EXCIPIENTS  
Cosmina Bengescu, Adriana Ledeti, Tudor Olariu, Denisa Cîrcioban, Cornelia Muntean, Gabriela Vlase, Titus Vlase, Carmen Tomoroga, Anca Octavia Dragomirescu, Daniela Dasc lu, Lenuța-Maria uta, **Ionu Ledeti**  
30<sup>th</sup> Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR30), 15-16 October 2021, Bucharest – Romania
2. INSTRUMENTAL SCREENING OF SOLID-STATE PREFORMULATION FOR TWO ATYPICAL ANTIPSYCHOTIC AGENTS: ARIPIPRAZOLE AND RISPERIDONE  
Ionu-Mihai T nase, Denisa Cîrcioban, Adriana Lede i, Gabriela Vlase, Titus Vlase, Laura Sbârcea, Lenuța-Maria uta, Germaine S voiu-Balint, Daniela Dasc lu, **Ionu Lede i**  
30<sup>th</sup> Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR30), 15-16 October 2021, Bucharest – Romania
3. THERMAL ANALYSIS RESEARCH IN THE TIME OF COVID19 - PLANS AND CHANGES  
**Ionu Ledeti**, Denisa Cîrcioban, Laura Sbârcea, Anca Dragomirescu, Tudor Olariu, Lenuța Ţuta, Adriana Ledeti  
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
4. DIRECŢII DE CERCETARE ÎN CHIMIA FIZICĂ A MEDICAMENTULUI-PREFORMULARE CLASIC VS. INOVARE?  
**Ionu Ledeti**  
Realiz ri tiintifice i profesionale la ceas aniversar, alumni Chimie CBG-LVT, Workshop cu participare internațională, 5 iunie 2018
5. WS: CUM SE REALIZEAZ O LUCRARE ŞTIINŢIFICĂ?  
**Ionu Ledeti**  
Invitație din partea LSFT, cu prilejul Galei Studenților Farmaciști din România, ediția a VI-a, 3-6 decembrie 2015, Aula Magna UMFVB Timi oara, 5 decembrie 2015
6. SOLID-STATE CHARACTERIZATION OF MICOPHENOLIC ACID  
**Ionu Lede i**, Gabriela Vlase, Titus Vlase, Lenuța-Maria uta, Ionel Ciucanu, Adriana Fulia  
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
7. COMPARATIVE THERMAL STABILITY OF TWO SIMILAR-STRUCTURE HYPOLIPIDEMIC AGENTS – SIMVASTATIN AND LOVASTATIN. KINETIC STUDY  
**Ionu Lede i**, Gabriela Vlase, Titus Vlase, Ionel Ciucanu, Adriana Fulia

	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
8.	STUDII PRIVIND SINTEZA, CARACTERIZAREA, COMPORTAREA FIZICO-CHIMIC ȘI EVALUAREA BIOACTIVITĂȚII PRIN SCREENING COMPLEX A UNOR DERIVAȚI TRIAZOLICI ȘI TRITERPENICI Ionuț Ledeti Zilele Academice Timșene, Ediția a XIV-a, Sediunea Medicină, 28 mai 2015, Simpozion IV – Tineri cercetători**
9.	SPECTROSCOPIC AND THERMAL CONTRIBUTIONS REGARDING THE SYNTHESIS OF BETULONIC ACID BY SELECTIVE OXIDATION OF BETULIN A. Fulia , V. Bercean, G. Vase, T. Vase, <b>I. Lede i</b> ICCE-22; 22st Annual International Conference on Composites/Nano Engineering, 13-19 July 2014, Saint Julian, Malta, Session 5A Bio2
10.	INFLUEN A VARIABILELOR DE FORMULARE ASUPRA CED RII MELOXICAMULUI DIN HIDROGELURI uta LM, Belu I, Vlaia L, Fulia A, <b>Lede i I</b> , Mrcioiu C. Zilele UMF din Craiova, a XLIV-a edi ie, 2014, Craiova, 6-7 iunie 2014, p.422
11.	SYNTHESIS, THERMAL BEHAVIOUR AND KINETIC STUDY OF A NEW TRIAZOLIC ZINC(II) COMPLEX Fulias A., <b>Lede i I</b> , Vase G., Szollossi A., Vase, T. Zilele Academice Timiene Edi ia a XIII-a, Sec iunea Medicin , 23 mai 2013, Timi oara, p. 10-11
12.	Approaches regarding the synthesis of potentially anti-inflammatory compounds containing 1,2,4-triazolyl thioacetate moiety <b>Ionu V. Lede i</b> , Vasile N. Bercean, Cristina A. Dehelean, Codru a oica TIMMEDICA International Congress and Exhibition 4th edition, Timi oara, Romania, June 16-18, 2011

## E. CITATIONS AND hINDEX

- **h-index Google Scholar: 17; i10-index: 41; Citations from Google Scholar: 1.133**
- **h-index Web of Science: 19; Citations from Web of Science: 1.237**
- **h-index Scopus: 18; Citations from Scopus: 1.215**

## F. AWARDED PAPERS

1. Risperidone/Randomly Methylated beta-Cyclodextrin Inclusion Complex-Compatibility Study with Pharmaceutical Excipients  
LAURA SBÂRCEA, IONUȚ-MIHAI T NASE, ADRIANA LEDEȚI, DENISA CÎRCIOBAN, GABRIELA VLASE, PAUL BARVINSCHI, MARINELA MICLĂU, RENATA-MARIA V RU , OANA SUCIU, **IONUȚ LEDEȚI**  
Premiat 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 LEDEȚI**  
Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2021-56824
3. Instrumental analysis and molecular modelling of inclusion complexes containing artesunate  
DENISA CIRCIOBAN, **IONUT LEDEȚI**, LENUTA-MARIA SUTA, GABRIELA VLASE, ADRIANA LEDEȚI\*, TITUS VLASE, RENATA VARUT, LAURA SBARCEA, CRISTINA TRANDAFIRESCU, CRISTINA DEHELEAN  
Premiat 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 LEDEȚI**  
Premiat 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 LEDEȚI**  
Premiat 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 T NASE, LAURA SBÂRCEA\*, ADRIANA LEDEȚI, GABRIELA VLASE, PAUL BARVINSCHI, RENATA-MARIA V RU , ANCA DRAGOMIRESCU, CARMEN AXENTE, **IONUȚ LEDEȚI**  
Premiat 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  
Premiat 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  
Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2020-50098
9. Preformulation studies for atorvastatin calcium  
MIHAELA CRISTEA, BIANCA BAUL, **IONU LEDE I\***, ADRIANA LEDE I, GABRIELA VLASE, TITUS VLASE, BO ENA KAROLEWICZ, OANA TEF NESCU, ANCA OCTAVIA DRAGOMIRESCU, CEZARA MURE AN, DAN-SIMION CIPU, DANA VELIMIROVICI, MIRCEA TEF NESCU  
Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2020-50091



10. Betulonic acid-cyclodextrins inclusion complexes  
LAURA SBÂRCEA, ADRIANA LEDE I\*, LUCRE IA UDRESCU, RENATA-MARIA V RU , PAUL BARVINSCHI, GABRIELA VLASE, **IONU LEDE I**  
Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2020-50082
11. Preparation, physicochemical characterization and biological activity evaluation of some inclusion complexes containing artesunate  
DENISA CIRCIOBAN, ADRIANA LEDETI\*, GABRIELA VLASE, **IONUT LEDETI**, TITUS VLASE, RENATA VARUT, IOANA-ZINUCA PAVEL, CRISTINA DEHELEAN  
Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2020-49971
12. Albendazole-cyclodextrins binary systems Thermal and spectral investigation on drug-exipient interaction  
CRISTINA TRANDAFIRESCU#, **IONU LEDE I#**, CODRU A OICA\*, ADRIANA LEDE I, GABRIELA VLASE, FLORIN BORCAN, CRISTINA DEHELEAN, DORINA CORICOVAC, ROXANA RACOVICEANU, ZOLTÁN AIGNER  
Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2020-49960
13. Solid State Stability and Kinetics of Degradation for Candestartan-Pure Compound and Pharmaceutical Formulation  
VALENTINA BUDA, BIANCA BAUL, MINODORA ANDOR, DANA EMILIA MAN, ADRIANA LEDETI\*, GABRIELA VLASE, TITUS VLASE, CORINA DANCUI, PETRU MATUSZ, FRANCISC PETER, **IONUT LEDETI**  
Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2020-49930
14. Thermal degradation, kinetic analysis and evaluation of biological activity on human melanoma for artemisinin  
DENISA CIRCIOBAN, ADRIANA LEDETI, GABRIELA VLASE, ALINA MOAC , **IONUT LEDETI**, CLAUDIA FARCA , TITUS VLASE, CRISTINA DEHELEAN  
Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2019-30648
15. Kinetics of heterogeneous-induced degradation for artesunate and artemether  
DENISA CIRCIOBAN, **IONUT LEDETI**, GABRIELA VLASE, ADRIANA LEDETI, CARMEN AXENTE, TITUS VLASE, CRISTINA DEHELEAN  
Premiat 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 UTA, TITUS VLASE, ADRIANA LEDETI, OANA SUCIU, VALENTINA BUDA, PETRU MATUSZ  
Premiat 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 UTA, TITUS VLASE, PETRU MATUSZ, ADRIANA LEDETI, OANA SUCIU, VALENTINA BUDA, MARIUS MURARIU  
Premiat 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  
Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2019-37360
19. Evaluation of thermal stability and kinetic of degradation for levodopa in non-isothermal conditions  
ADRIANA LEDETI, TUDOR OLARIU, ANGELICA CAUNII, ANGELICA CAUNII, GABRIELA VLASE, DENISA CIRCIOBAN, BIANCA BAUL, **IONUT LEDETI**, TITUS VLASE, MARIUS MURARIU  
Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2018- 26319
20. Kinetic study for solid-state degradation of mental disorder therapeutic agents: amitriptyline, desipramine and imipramine  
ADRIANA LEDETI, GABRIELA VLASE, TITUS VLASE, DENISA CIRCIOBAN, CRISTINA DEHELEAN, **IONUT LEDETI**  
Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2018- 26330
21. Binary adduct formation of desipramine with dicarboxylic acids An instrumental study  
ADRIANA LEDETI, GABRIELA VLASE, TITUS VLASE, DENISA CIRCIOBAN, CRISTINA DEHELEAN, **IONUT LEDETI**, LENUȚA-MARIA SUTA  
Premiat 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 LEDETI, TITUS VLASE, MARIUS MURARIU, SORIN BOLINTINEANU  
Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2018-26544
23. Investigation of thermal-induced decomposition of iodoform  
**IONUT LEDETI**, MARIUS MURARIU, GABRIELA VLASE, TITUS VLASE, NICOLAE DOCA, ADRIANA LEDETI\*, LENUȚA-MARIA SUTA, TUDOR OLARIU  
Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2017-19358
24. Compatibility study between antiparkinsonian drug Levodopa and excipients by FTIR spectroscopy, X-ray diffraction and thermal analysis  
**IONUT LEDETI**, SORIN BOLINTINEANU, GABRIELA VLASE, DENISA CIRCIOBAN, ADRIANA LEDETI, TITUS VLASE, LENUȚA-MARIA SUTA, ANGELICA CAUNII, MARIUS MURARIU  
Premiat 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 LEDETI, TITUS VLASE, MARIUS MURARIU  
Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2017-19875
26. Comparative Solid-State Stability of Perindopril Active Substance vs. Pharmaceutical Formulation  
VALENTINA BUDA, MINODORA ANDOR, ADRIANA LEDETI, **IONUT LEDETI\***, GABRIELA VLASE, TITUS VLASE, CARMEN CRISTESCU, MIRELA VOICU, LIANA SUCIU, MIRELA TOMESCU  
Premiat UEFISCDI PN-III-P1-1.1- PRECISI-2017-19877
27. Thermal stability of synthetic thyroid hormone L-thyroxine and L-thyroxine sodium salt hydrate both pure and in pharmaceutical formulations  
**IONUT LEDETI**, ADRIANA LEDETI\*, GABRIELA VLASE, TITUS VLASE, PETRU MATUSZ, VASILE BERCEAN, LENUȚA MARIA SUTA, DOINA PICIU

- Premiat UEFISCDI PN-III-P1-1.1-PRECISI-2016-11865
28. Ketoprofen-cysteine equimolar salt. Synthesis, thermal analysis, PXRD and FTIR spectroscopy investigation  
ADRIANA FULIA , GABRIELA VLASE, **IONU LEDE I**, LENU A-MARIA UTA  
Premiat UEFISCDI PN-II-RU-PRECISI- 2015-9-8634
29. Kinetic of solid state degradation of transitional coordinative compounds containing functionalized 1,2,4-triazolic ligand  
**LEDETI IONUT**, VLASE GABRIELA, VLASE TITUS, BERCEAN VASILE, FULIAS ADRIANA  
Premiat 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, LENU A-MARIA UTA, CODRU A OICA, **IONU LEDE I**  
Premiat UEFISCDI PN-II-RU-PRECISI-2015-9-8701
31. Selection of solid-state excipients for simvastatin dosage forms through thermal and nonthermal techniques,  
**IONU LEDE I**, GABRIELA VLASE, TITUS VLASE, LENU A-MARIA UTA, ANAMARIA TODEA, ADRIANA FULIA  
Premiat UEFISCDI PN-II-RU-PRECISI- 2015-9-8860
32. Kinetic analysis of solid-state degradation of pure pravastatin versus pharmaceutical formulation  
**LEDETI IONUT**, VLASE GABRIELA, VLASE TITUS, FULIAS ADRIANA  
Premiat UEFISCDI PN-II-RU-PRECISI-2015-9-8887
33. Fosinopril sodium-hydroxypropyl- $\beta$ -cyclodextrin inclusion complex. Thermal decomposition kinetics and compatibility studies  
SBARCEA LAURA, **LEDETI IONUT**, DRAGAN LIANA, KURUNCZI LUDOVIC, FULIAS ADRIANA, UDRESCU LUCRETIA  
Premiat UEFISCDI PN-II-RU-PRECISI-2015-9-9059
34. Synthesis and Degradation of Schiff Bases Containing Heterocyclic Pharmacophore  
**IONU LEDE I**, ANDA ALEXA, VASILE BERCEAN, GABRIELA VLASE, TITUS VLASE, LENU A-MARIA UTA, ADRIANA FULIA  
Premiat UEFISCDI PN-II-RU-PRECISI- 2015-9-8284
35. New methods to obtain carboxylic acids by oxidation reactions of 1,2-ethanediol with metallic nitrates  
NICULESCU MIRCEA, **LEDETI IONUT**, BIRZESCU MIHAIL  
Premiat UEFISCDI PN-II-RU-PRECISI-2014-8-7095
36. Synthesis and thermal behavior of new ambazone complexes with some transitional cations  
SOICA CODRUTA, FULIAS ADRIANA, VLASE GABRIELA, DEHELEAN CRISTINA, VLASE TITUS, **LEDETI IONUT**  
Premiat UEFISCDI PN-II-RU-PRECISI-2014-8-7272
37. Physico-chemical solid-state characterization of pharmaceutical pyrazolones: An unexpected thermal behavior  
FULIAS ADRIANA VIOLETA, **LEDETI IONUT VALENTIN**, VLASE GABRIELA, VLASE TITUS  
Premiat UEFISCDI PN-II-RUPRECISI-2013-7-3693
38. Study of the betulin enriched birch bark extracts effects on human carcinoma cells and ear inflammation  
DEHELEAN CRISTINA, SOICA CODRUTA, **LEDETI IONUT**, ALUAS MIHAELA, GALUSCAN ATENA, PINZARU SIMONA, MUNTEANU MELANIA  
Premiat UEFISCDI PN-II-RUPRECISI-2013-7-3924
39. Comparative kinetic analysis on thermal degradation of some cephalosporins using TG and DSC data  
FULIAS ADRIANA VIOLETA, VLASE GABRIELA, VLASE TITUS, SOICA CODRUTA, HEGHES ALINA, CRAINA MARIUS, **LEDETI IONUT**  
Premiat UEFISCDI PN-II-RUPRECISI-2013-7-3970

## G. RESEARCH PROJECTS AND RESULTING PUBLICATIONS

- 1) **Project director**, Programul II-C2-TC-2014, Universitatea de Medicin i Farmacie „Victor Babe ” din Timi oara, SYNT Project, 5000 euro, 2014, 5 papers:
- Kinetic of solid-state degradation of transitional coordinative compounds containing functionalized 1,2,4-triazolic ligand  
By: Ledeti, Ionut; Vase, Gabriela; Vase, Titus; et al.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 121 Issue: 3 Pages: 1049-1057 Published: SEP 2015
  - 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
  - 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
  - Synthesis and Solid-state Characterization of a Cobalt(II) Triazolic Complex  
By: Ledeti, Ionut; Vase, Titus; Vase, Gabriela; et al.  
REVISTA DE CHIMIE Volume: 65 Issue: 8 Pages: 897-902 Published: AUG 2014
  - Alternative Synthesis of Paracetamol and Aspirin under Non-conventional Conditions  
Record contains structures  
By: Clariu, Tudor; Suta, Lenuta-Maria; Popoiu, Calin; et al.  
REVISTA DE CHIMIE Volume: 65 Issue: 6 Pages: 633-635 Published: JUN 2014
- 2) **Project responsible (Partener P1)**, Universitatea de Medicin i Farmacie „Victor Babe ” din Timi oara, Programul Parteneriate în cercetarea fundamental inovativ UMFT, III-C1-PCFI-2014/2015, Proiect SYNTANITUM „Sinteza unor compu i cu poten ial activitate antitumoral prin reac ii de derivatizare i caracterizarea acestora prin tehnici hifenate. Evaluarea activit ii antiangiogenice, antineoplazice i antiinflamatoare”, Project director: Assoc. prof. FULIA ADRIANA-VIOLETA, PhD., 30.000 euro, 2014-2015: 6 papers
- 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

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**3) Postdoctoral researcher, member of the target group** - Lecturer Ionu -Valentin Lede i, PhD, project POSDRU/159/1.5/S/137750, Universitatea de Vest din Timi oara, „Studiul interac iunilor induce termic la compu i bioactivi prin tehnici hifenate i complementare”, 2014-2015, 5 papers

1. Solid-state preformulation studies of amiodarone hydrochloride  
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**4) Project director** COMPETITIA INTERNALA UMF "VICTOR BABE" DIN TIMI OARA, Programul Parteneriate în cercetarea fundamental inovativ UMFT, PIII-C3-PCFI-2016/2017-02, „Cercetari fundamentale interdisciplinare privind monitorizarea, evaluarea i corelarea proceselor litogenice cu aspectele etiopatogenice prin screening instrumental inovativ (STONES)”, budget 135.000 RON, 8 publications:

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2. Preformulation Studies for Albendazole A DSC and FTIR analysis of binary mixtures with excipients  
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3. Non-isothermal Isoconversional Kinetic Study Regarding the Degradation of Albendazole  
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6. Solid-State Thermal Behaviour of Cholic Acid  
By: Suta, Lenuta-Maria; Vlase, Gabriela; Ledeti, Adriana; et al.  
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7. Thermal Characterization of Cholesterol in Air vs. Nitrogen Atmosphere  
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8. Solid State Stability of Cholesterol Preliminary kinetic analysis  
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- 5) **Postdoctoral researcher**, in the national project Tinere Echipe- PNII-RU-TE-2014-4-0515 "Neurodegenerarea i bolile cerebrale: O noua abordare instrumental de analiz i dezvoltare a unor forme farmaceutice", director ADRIANA-VIOLETA LEDEȚI (FULIAȘ), Buget : 495.000 lei, 9 papers
1. Evaluation of thermal stability and kinetic of degradation for levodopa in non-isothermal conditions  
By: Ledeti, Adriana; Olariu, Tudor; Caunii, Angelica; et al.  
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  2. Kinetic study for solid-state degradation of mental disorder therapeutic agents Amitriptyline, desipramine and imipramine  
By: Ledeti, Adriana; Vase, Gabriela; Vase, 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; Vase, Gabriela; Vase, Titus; et al.  
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  4. Preformulation studies for nortriptyline Solid-state compatibility with pharmaceutical excipients  
By: Ledeti, Ionuț; Budiul, Mihaela; Matusz, Petru; et al.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 131 Issue: 1 Pages: 191-199 Published: JAN 2018
  5. Evaluation of solid-state thermal stability of donepezil in binary mixtures with excipients using instrumental techniques  
By: Ledeti, Ionuț; Bolintineanu, Sorin; Vase, Gabriela; et al.  
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  6. Compatibility study between antiparkinsonian drug Levodopa and excipients by FTIR spectroscopy, X-ray diffraction and thermal analysis  
By: Ledeti, Ionuț; Bolintineanu, Sorin; Vase, Gabriela; et al.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 130 Issue: 1 Pages: 433-441 Published: OCT 2017
  7. Comparative Stability of Levodopa Under Thermal Stress in both Oxidative and Inert Media  
By: Ledeti, Adriana; Vase, Gabriela; Cirioban, Denisa; et al.  
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  8. Thermal stability of synthetic thyroid hormone L-thyroxine and L-thyroxine sodium salt hydrate both pure and in pharmaceutical formulations  
By: Ledeti, Ionuț; Ledeti, Adriana; Vase, Gabriela; et al.  
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By: Ledeti, Adriana; Vase, Gabriela; Ledeti, Ionuț; et al.  
REVISTA DE CHIMIE Volume: 67 Issue: 2 Pages: 336-338 Published: FEB 2016
- 6) **Project director** Tinere Echipe - Programul PNIII-P1-1.1-TE-2016-1165, Contract nr. TE125/10.10.2018, „Tehnici instrumentale hifenate i complementare de analiz , control i recuperare a compu ilor bioactivi utiliza i in terapii hormonale”, 2018-2020 (24 months), Budget: 450.000 RON; 2 publications
1. Stability and Compatibility Studies of Levodopa Sodium in Solid Binary Systems-Instrumental Screening  
By: Ledeti, Ionuț; Romanescu, Mirabela; Cirioban, Denisa; et al.  
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  2. Solid-state stability and kinetic study of three glucocorticoid hormones: prednisolone, prednisone and cortisone  
By: Ledeti, Ionuț; Bengescu, Cosmina; Cirioban, Denisa; et al.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY  
Early Access: MAR 2020
- 7) **Postdoctoral researcher**, in national project Tinere Echipe - Programul PNIII-P1-1.1-TE-2019-1573, contract nr. TE101 „Sinteza enzimatic a unor digopesteri biodegradabili printr-un procedeu verde de tip cascada ”, 2020-2022, Budget: 431.900 RON;

## HLIST OF THE 10 REPRESENTATIVE WORKS FOR OWN PROFESSIONAL ACHIEVEMENTS

1. **Ionuț Ledeti**, Mirabela Romanescu, Denisa Cirioban, Adriana Ledeti\*, Gabriela Vase, Titus Vase, Oana Suciu\*, Marius Murariu\*, Sorin Olariu, Pentru Matusz, Valentina Buda, Doina Piciu  
Stability and Compatibility Studies of Levodopa Sodium in Solid Binary Systems-Instrumental Screening  
Pharmaceutics, 2020, 12(1); art.58; ISSN 1999-4923  
DOI: 10.3390/pharmaceutics12010058  
<https://www.mdpi.com/1999-4923/12/1/58>  
IF(2020)=6.321
2. **Ionuț Ledeti**, Mihaela Budiul, Petru Matusz, Gabriela Vase, Denisa Cirioban, Cristina Dehelean, Lenuta-Maria Suta, Angelica Caunii, Adriana Ledeti, Titus Vase, Marius Murariu, Sorin Bolintineanu  
Preformulation studies for nortriptyline. Solid-state compatibility with pharmaceutical excipients  
Journal of Thermal Analysis and Calorimetry, 2018, 131(1); 191-199, ISSN: 1388-6150,  
DOI 10.1007/s10973-017-6269-5  
<https://link.springer.com/article/10.1007/s10973-017-6269-5>

- IF(2018)= 2.471
3. **Ionuț Ledeti**, Agneta Pusztai, Cezara Mureșan, Denisa Cîrcioban, Gabriela Vîșe, Carmen Axente, Lenuța-Maria ũta, Titus Vîșe, Petru Matusz, Adriana Ledeti\*, Oana Suci, Valentina Bucă, 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; ISSN: 1388-6150, DOI: 10.1007/s10973-018-7660-6  
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IF(2018)= 2.471
  4. **Ionuț Ledeti**, Sorin Bolintineanu, Gabriela Vîșe, Denisa Cîrcioban, Adriana Ledeti, Titus Vîșe, Lenuta-Maria Suta, Angelica Căunii, 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, ISSN: 1388-6150, DOI 10.1007/s10973-017-6393-2  
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  5. **Ionuț Ledeti**, Adriana Ledeti\*, Gabriela Vîșe, Titus Vîșe, Petru Matusz, Vasile Bercean, Lenuta Maria Suta, Doina Piciu  
Thermal stability of synthetic thyroid hormone L-thyroxine and L-thyroxine sodium salt hydrate both pure and in pharmaceutical formulations  
Journal of Pharmaceutical and Biomedical Analysis, 2016; 125: 33-40, ISSN: 0731-7085, DOI: 10.1016/j.jpba.2016.03.026  
<https://www.sciencedirect.com/science/article/pii/S0731708516301443>  
IF (2016) = 3.255
  6. **Ionuț Ledeti**, Vasile Bercean, Gabriela Vîșe, Titus Vîșe, Adriana Ledeti\*, Lenuta Maria Suta  
Betulonic Acid - Study of Thermal Degradation by Kinetic Approach  
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<https://link.springer.com/content/pdf/10.1007/s10973-016-5299-8.pdf>  
IF (2016) = 1.953
  7. **Ionuț Ledeti**, Anda Alexa, Vasile Bercean, Gabriela Vîșe, Titus Vîșe, Lenuța-Maria ũta, Adriana Fulia \*  
Synthesis and Degradation of Schiff Bases Containing Heterocyclic Pharmacophore  
International Journal Of Molecular Sciences, 2015, 16 (1) 1711-1727, ISSN: 1422-0067, DOI: 10.3390/ijms16011711  
<http://www.mdpi.com/1422-0067/16/1/1711>  
IF (2015) = 3.257
  8. **Ionuț Ledeti**, Gabriela Vîșe\*, Titus Vîșe, Vasile Bercean, Adriana Fulia  
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, ISSN: 1388-6150, DOI: 10.1007/s10973-015-4520-5  
<https://link.springer.com/article/10.1007/s10973-015-4520-5>  
IF (2015) = 1.781
  9. **Ionuț Ledeti**, Ștefana Avram\*, Vasile Bercean, Gabriela Vîșe, Titus Vîșe, Adriana Ledeti\*, Istvan Zupko, Marius Moc, Lenuța-Maria ũta, Codruța Soica, Cristina Dehelean  
Solid-State Characterization and Biological Activity of Betulonic Acid Derivatives  
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<http://www.mdpi.com/1420-3049/20/12/19876>  
IF (2015) = 2.465
  10. **Ionuț Ledeti**, Adriana Fulias\*, Gabriela Vîșe, Titus Vîșe, 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, ISSN: 1388-6150, DOI: 10.1007/s10973-013-3123-2  
<https://link.springer.com/article/10.1007/s10973-013-3123-2>  
IF (2013) = 2.206

Timișoara,  
January 27, 2022

Professor Ionuț -Valentin Ledeti, PhD., Habil.