

PERSONAL INFORMATION

Denisa-Laura Ivan (born Cîrcioban)



 2 Eftimie Murgu Square, 300041 Timisoara (Romania)



 circioban.denisa@umft.ro

Sex Female | **Date of birth** 20/03/1992 | **Nationality** Romanian

WORK EXPERIENCE

Sept 2020–Present

Lecturer

Victor Babes University of Medicine and Pharmacy, Faculty of Pharmacy, Department I
2 Eftimie Murgu Square, RO-300041 Timisoara (Romania)

www.umft.ro

Discipline: Qualitative analytical chemistry, quantitative analysis and instrumental analysis

- preparation and implementation of courses and laboratories conducted with students of the Faculty of Pharmacy (Analytical Chemistry, Instrumental Analysis Techniques, Instrumental Analysis Techniques and math abilities, Nanomaterials with biomedical applications);
- coordinating bachelor's degrees;
- member of various committees for educational and institutional purposes, involving student evaluations, admission and bachelor exams and residency.

Business or sector Education

Sep 2016–Sept 2020

University Assistant

Victor Babes University of Medicine and Pharmacy, Faculty of Pharmacy, Department I
2 Eftimie Murgu Square, RO-300041 Timisoara (Romania)

www.umft.ro

Discipline: Qualitative analytical chemistry, quantitative analysis and instrumental analysis

- supervising and coordinating laboratory activities and seminars, preparing the necessary materials;
- coordinating bachelor's degrees and dissertations;
- member of various committees for educational and institutional purposes, involving student evaluations, admission and graduation exams, residency and international institutional accreditation.

Business or sector Education

Feb 2016–Aug 2016

Internship practice

"SC Vileus Med-Com SRL", Catena Pharmacy, Timisoara (Romania)

- working in a team of 8 people;
- verifying medical prescriptions and preparing them for release under the guidance of the supervisor pharmacist;
- participation in patient counselling alongside the pharmacist;
- carrying out administrative tasks: preparation and verification of prescriptions for the reimbursement from The County Health Insurance, participation in stocktaking and monitoring;

Feb 2016–May 2016

Volunteer in academic didactic activity

Victor Babes University of Medicine and Pharmacy, Faculty of Pharmacy, Department I
Pharmacy, Timisoara (Romania)

- didactic activities of tutoring in laboratory work within the didactic process at the discipline of Analytical Chemistry, Faculty of Pharmacy

Jul 2015–Aug 2015
Jul 2014–Aug 2014
Jul 2013–Aug 2013

Summer Internship

Darifarm Pharmacy, Sanandrei (Romania)

- preparing and checking medical prescriptions under the guidance of the pharmacist;
- reorganization of the storage area according to the specifications in force;
- checking stocks of medicinal, para-pharmaceutical and dermatocosmetics;

Jul 2012–Aug 2012

Summer Internship

Dianthus Pharmacy, Timisoara (Romania)

- checking stocks of medicinal, para-pharmaceutical and dermatocosmetics;

Mar 2013–Apr 2016

President of the Association of Pharmacy Students from Timisoara

Timisoara (Romania)

- coordinating a team of over 100 students;
- supervising the organization and implementation of all the projects within the association and establishing the allocated budgets for each project;
- ensuring the conformity of the financial integrity of the association;
- ensuring communication with the faculty and university leadership;
- representation of the association in front of state and international bodies as well as public administration authorities;

Dec 2014–Dec 2015

President of the Romanian Pharmaceutical Students Gala, 6th Edition

Timisoara (Romania)

- coordinating a team of 70 people;
- organizing a 4-day scientific conference for 250 students and over 25 teachers, specialists and pharmaceutical guests;
- ensuring collaboration with various community and chain pharmacies as well as national pharmaceutical companies;

EDUCATION AND TRAINING

Oct 2016–Sep 2019

PhD in Pharmacy

EQF level 8

Victor Babes University of Medicine and Pharmacy Timisoara
2 Eftimie Murgu Square, RO-300041 Timisoara (Romania)
www.umft.ro

- **Thesis theme:** Biological and physico-chemical complex screening of several derivatives with sesquiterpenic structure
- **PhD supervisor:** Prof. univ. PhD. pharm. Dehelean Cristina Adriana
- **PhD degree (*Summa cum laude*):** Series J, No. 0036216, as per Ministry of National Education Order no. 5644/30.12.2019

Oct 2016–Jul 2018

Master's Degree

EQF level 7

West University of Timisoara, Faculty of Chemistry, Biology, Geography, Department of Biology and Chemistry
16 Johann Heinrich Pestalozzi Street, RO-300115 Timisoara (Romania)
www.cbg.uvt.ro

- **Specialization:** Clinical Chemistry and Sanitary Laboratory
- **Diploma** series MA, no. 0149455, Graduation average: 10.00

Oct 2017–Jul 2018

Psychopedagogy training program (DPPD) Certificate

EQF level 6

West University of Timisoara, Department for Teacher Training, Timisoara (Romania)

- Level I Psychopedagogy Training Program - Certificate series A_d no. 0017930, Graduation average: 10.00 and Level II Psychopedagogy Training Program - Certificate series A_d no. 0017981,

Graduation average: 10.00

Sep 2011–Sep 2016

Bachelor and master degree in Pharmacy

EQF level 7

Victor Babes University of Medicine and Pharmacy Timisoara
2 Eftimie Murgu Square, RO-300041 Timisoara (Romania)
www.umft.ro

- **Bachelor thesis:** Synthesis and characterization of a theophylline-succinic acid binary adduct under the coordination of University Professor PhD. Ledetj Adriana.
- **General Competencies:** Analytical Chemistry, Physical Chemistry, Toxicology, Drug Analysis, Pharmacology, Pharmaceutical Technology.
- **Diploma** series LR, no. 0001704, Graduation average: 9.65

Sep 2007–Sep 2011

High school Diploma

EQF level 4

Colegiul National Banatean (CNB High school), Timisoara (Romania)

- **Specialization:** Natural Sciences
- **Diploma** series Y, no. 0347173, Graduation average: 9.38

PERSONAL SKILLS

Mother tongue
Foreign language(s)

Romanian

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2
French	B2	B2	B2	B2

Certificate of language proficiency in english, no. 19657/469/23.03.2023
Certificat de compétence linguistique en français, no.316691/28.11.2022

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

[Common European Framework of Reference for Languages - Self-assessment grid](#)

Communication skills

- Communication and conflict resolution skills acquired from the experience as student association's president, which required a permanent interaction with students, teachers and various medical and pharmaceutical specialists;
- Ability to interact with students and free teaching of the didactic material developed during the VADA program within UMFT (Volunteering in Academic Development Activity) and consolidated in the years working as Assistant Professor;

Organisational / managerial skills

- Team spirit, but also the ability to select and implement achievable projects, aspects learned during volunteering activity and as a member of research projects;
- Ability to organize and prioritize various activities acquired as president of the students association;
- Successful coordination of different teams;
- Organizational skills developed during the preparation and realization of experimental laboratories and seminars with students;
- Time management and task prioritization improved while working as a member of different research projects.

Job-related skills

- Thermal analysis and its use as an instrumental technique in the pre-formulation stage of drug design: thermal stability determination with direct application for shelf-life prediction and drug-excipient compatibility evaluation for current or future pharmaceutical formulations;
- Spectroscopic analysis (pellet IR and ATR technique);
- Kinetic analysis and its role in the prediction of thermally-induced degradation processes of active pharmaceutical agents;
- Solubility and bioavailability enhancement methods for low-solubility drugs;

- Molecular modelling simulation and its use in drug design.

Digital skills

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

Digital skills - Self-assessment grid

- Office Pack (Word, Excel, Power Point);
- ISIS Draw, Corel Draw, ChemBioDraw; Origin; Adobe Photoshop;
- Mendeley, Scencedirect, Scopus, ISI Web of Knowledge

Driving licence

B

ADDITIONAL INFORMATION

Publications

- First author of 9 and co-author of 22 scientific papers published in ISI-ranked journals, with 131 citations (without self-citations) in Clarivate Analytics-Web of Science;
- Co-author of 5 national printed books.

h-Index

9 according to Web of Science and 10 according to Scopus

Conferences

Participant in 15 national and international conferences with 69 poster presentations, containing instrumental techniques and biological *in vitro* evaluations used in the pre-formulation stages of drug design.

Projects

1. Director of the Advanced research postdoctoral programme: *The modulation and optimization of the physicochemical and biopharmaceutical profile of some atypical antidepressants* (no. 3869/0-1/26.01.2022); Mentor Prof. univ. dr. VLASE GABRIELA, dr. Habil; Financing period: feb 2022 – ian 2024.
Organizing institution: West University of Timișoara; Budget: 150.000 RON.
2. Member in the project: *Hyphenated and complementary instrumental techniques for analysis, control and recovery of bioactive compounds used in hormone therapies* (PN-III-P1-1.1-TE-2016-1165), Research Assistant in Chemistry, PhD Student (COD COR 211307)
Beneficiary - "Victor Babeș" University of Medicine and Pharmacy in Timișoara; Project Manager - PhD Associate Professor Ledetj Ionuț-Valentin; Financing period: 2018-2020 (24 months), Budget: 450.000 RON;
3. Member in the project: *Neurodegeneration and Brain Diseases: A new instrumental approach of analysis and development of pharmaceutical formulations* (PN II-RU-TE-2014-4-0515), Research Assistant, Pharmacist (COR COR 226201);
Beneficiary - "Victor Babeș" University of Medicine and Pharmacy in Timișoara; Project Director - PhD Professor Adriana Ledetj; Financing period: 24 months, Budget: 495.000 RON;
4. Member in the project: *Betulin and gold nanoparticles - based formulations in preventing skin aging* (PN III-P2-2.1-BG-2016-0354), Research Assistant, Pharmacist (COR COR 226201);
Beneficiary - "Victor Babeș" University of Medicine and Pharmacy in Timișoara; Project Director - PhD Professor Codruța Șoica; Financing period: 2016-2018
5. Member of the target group in the project: *Inter-university Virtual Community for Science, Technology, Innovation and Valuation of Intellectual Property* (POSDRU / 86 / 1.2 / S / 56872);
Beneficiary - West University of Timisoara; Project Director - PhD Professor Adriana Isvoran

Timișoara,
09.10.2024

Ș.I. dr. farm. Ivan Denisa-Laura

LIST OF PUBLICATIONS

I. PhD Thesis

Thesis title: BIOLOGICAL AND PHYSICO-CHEMICAL COMPLEX SCREENING OF SEVERAL DERIVATIVES WITH SESQUITERPENIC STRUCTURE

PhD supervisor: Prof. univ. PhD. pharm. Dehelean Cristina Adriana

PhD degree (Summa cum laude): Series J, No. 0036216, as per Ministry of National Education Order no. 5644/30.12.2019

II. Books

1. Ledeti Adriana-Violeta, Axente Carmen, **Circioban Denisa**, Ledeti Ionuț-Valentin, Borcan Florin, „*Chimie Analytique Quantitative*”, Editura Mirton, Timișoara, 2018, 273 pagini, ISBN 978-973-52-1770-9.
2. Ledeti Adriana-Violeta, **Circioban Denisa**, Ledeti Ionuț-Valentin, „*Bazele practice ale analizei chimice calitative*”, Editura Mirton, Timișoara, 2018, 211 pagini, ISBN 978-973-52-1781-5.
3. Ledeti Adriana-Violeta, Olariu Tudor, **Circioban Denisa**, „*Teste de chimie pentru admiterea la Facultatea de Farmacie*”, Editura Victor Babeș, Timișoara, 2020. 82 pagini. ISBN: 978-606-786-168-6.
4. Borcan Florin, Ledeti Adriana-Violeta, Tomoroga Carmen, **Circioban Denisa**, „*Tehnici de analiză instrumentală*”, Editura Victor Babeș, Timișoara, 2020. 147 pagini. ISBN: 978-606-786-199-0.
5. Ledeti Adriana-Violeta, Olariu Tudor, **Circioban Denisa**, „*Teste de chimie pentru admiterea la Facultatea de Farmacie – Ediție revizuită*”, Editura Victor Babeș, Timișoara, 2021. 103 pagini. ISBN: 978-606-786-218-8.
6. Ledeti Adriana-Violeta, **Circioban Denisa**-Laura, Ridichie Amalia-Ioana, Tomoroga Carmen, Ledeti Ionuț-Valentin, „*Qualitative analytical chemistry. A laboratory textbook*”, Editura Victor Babeș, Timișoara, 2023, 230 pagini. ISBN 978-606-786-329-1.

III. ISI papers

1. Baul Bianca, Ledeti Adriana, **Circioban Denisa**, Ridichie Amalia, Vase Titus, Vase Gabriela, Peter Francisc, Ledeti Ionut. Thermal Stability and Kinetics of Degradation of Moxonidine as Pure Ingredient vs. Pharmaceutical Formulation. Processes. 2023; 11(6). DOI: 10.3390/pr11061738. ISSN 2227-9717. FI 3.5. Q2.
2. **Circioban Denisa**, Ledeti Ionut, Vase Titus, Rusu Gerlinde, Ledeti Adriana, Vase Gabriela. Stability evaluation and kinetic study for the atypical antidepressant opipramol. J Therm Anal Calorim. 2023; DOI: 10.1007/s10973-023-12249-3. ISSN 1388-6150. FI: 4.4. Q1.
3. Bengescu Cosmina, Ledeti Adriana, Olariu Tudor, **Circioban Denisa**, Muntean Cornelia, Vase Gabriela, Vase Titus, Tomoroga Carmen, Dragomirescu Anca Octavia, Dascalu Daniela, Suta Lenuta-Maria, Ledeti Ionut, Murariu Marius. Instrumental investigations of promestriene: first report regarding the solid-state characterization and compatibility with pharmaceutical excipients. J Therm Anal Calorim. 2023;148(10): 4641-9. ISSN 1388-6150. FI: 4.4. Q1.
4. Beicu Rodica, Alexa Ersilia, Obistiou Diana, Cocan Ileana, Imbrea Florin, Pop Georgeta, **Circioban Denisa**, Moisa Cristian, Lupitu Andreea, Copolovici Lucian, Copolovici Dana Maria, Imbrea Ilinca Merima. Antimicrobial Potential and Phytochemical Profile of Wild and Cultivated Populations of Thyme (Thymus sp.) Growing in Western Romania. Plants. 2021; 10(9):1833. ISSN: 2223-7747. FI: 3.935. Q1.
5. Sbarcea Laura, Tanase Ionut-Mihai, Ledeti Adriana, **Circioban Denisa**, Vase Gabriela, Barvinschi Paul, Miclau Marinela, Varut Renata-Maria, Suci Oana, Ledeti Ionut. Risperidone/Randomly Methylated beta-Cyclodextrin Inclusion Complex-Compatibility Study with Pharmaceutical Excipients. Molecules. 2021; 26(6):160. ISSN: 1420-3049. FI: 4.411. Q2.
6. Sbarcea Laura, Tanase Ionut-Mihai, Ledeti Adriana, **Circioban Denisa**, Vase Gabriela, Barvinschi Paul, Miclau Marinela, Varut Renata-Maria, Trandafirescu Cristina, Ledeti Ionut. Encapsulation of Risperidone by Methylated beta-Cyclodextrins: Physicochemical and Molecular Modeling Studies. Molecules. 2020; 25(23):5694. ISSN: 1420-3049. FI: 4.411. Q2.
7. Racoviceanu Roxana, Trandafirescu Cristina, Voicu Mirela, Ghiulai Roxana, Borcan Florin, Dehelean Cristina, Watz Claudia, Aigner Zoltan, Ambrus Rita, Coricovac Dorina Elena, **Circioban Denisa**, Mioc Alexandra, Szuhanek Camelia Alexandrina, Soica Codruta. Solid Polymeric Nanoparticles of Albendazole: Synthesis, Physico-Chemical Characterization and Biological Activity. Molecules. 2020; 25(21):5130. ISSN: 1420-3049. FI: 4.411. Q2.
8. **Circioban Denisa**, Ledeti Ionut, Suta Lenuta-Maria, Vase Gabriela, Ledeti Adriana*, Vase Titus, Varut Renata, Sbarcea Laura, Trandafirescu Cristina, Dehelean Cristina. Instrumental analysis and molecular modelling of inclusion complexes containing artesunate. J Therm Anal Calorim. 2020;142(5):1951-61. ISSN 1388-6150. FI: 4.626. Q2.
9. **Circioban Denisa**, Ledeti Adriana*, Vase Gabriela, Vase Titus, Dehelean Cristina, Ledeti Ionut. Thermal stability and kinetic degradation study for dihydroartemisinin. J Therm Anal Calorim. 2020;142(5):2131-9. ISSN 1388-6150. FI: 4.626. Q2.
10. Tanase Ionut-Mihai, Sbarcea Laura*, Ledeti Adriana, Barvinschi Paul, **Circioban Denisa**, Vase Gabriela, Varut Renata-Maria, Ledeti Ionut. Compatibility studies with pharmaceutical excipients for aripiprazole-heptakis (2,6-di-O-methyl)-beta-cyclodextrin supramolecular adduct. J Therm Anal Calorim. 2020;142(5):1963–76. ISSN: 1388-6150. FI: 4.626. Q2.

11. **Cîrcioban Denisa**, Ledeti Adriana*, Vlas Gabriela, Ledeti Ionuț, Vlas Titus, Văruț Renata, Pavel Ioana Zinuca, Dehelean Cristina. Preparation, physicochemical characterization and biological activity evaluation of some inclusion complexes containing artesunate. J Therm Anal Calorim. 2020;141(3):1041–51. ISSN: 1388-6150. FI: 4.626. Q2.
12. Ledeti Ionut, Bengescu Cosmina, **Cîrcioban Denisa**, Vlas Gabriela, Vlas Titus, Tomoroga Carmen, Buda Valentina, Ledeti Adriana, Dragomirescu Anca, Murariu Marius. Solid-state stability and kinetic study of three glucocorticoid hormones: prednisolone, prednisone and cortisone. J Therm Anal Calorim. 2020;141(3):1053–65. ISSN 1388-6150. FI: 4.626. Q2.
13. Ledeti Ionut, Romanescu Mirabela, **Cîrcioban Denisa**, Ledeti Adriana, Vlas Gabriela, Vlas Titus, Suci Oana, Murariu Marius, Olariu Sorin, Matusz Petru, Buda Valentina, Piciu Doina. Stability and Compatibility Studies of Levothyroxine Sodium in Solid Binary Systems—Instrumental Screening. Pharmaceutics. 2020;12(1):58. ISSN: 1999-4923. FI: 6.321. Q1.
14. **Cîrcioban Denisa**, Pavel Ioana Zinuca, Ledeti Adriana, Ledeti Ionut, Danciu Corina, Dehelean Cristina. Cytotoxic Activity Evaluation on Breast Cells of Guest-host Complexes Containing Artemisinin. Rev Chim. 2019;70(8):2843–6. ISSN: 0034-7752. FI: 1.755. Q3.
15. **Cîrcioban Denisa**, Ledeti Adriana, Vlas Gabriela, Coricovac Dorina, Moaca Alina, Farcas Claudia, Vlas Titus, Ledeti Ionut, Dehelean Cristina. Guest–host interactions and complex formation for artemisinin with cyclodextrins: instrumental analysis and evaluation of biological activity. J Therm Anal Calorim. 2018;134(2):1375–84. ISSN: 1388-6150. FI: 2.471. Q2.
16. **Cîrcioban Denisa**, Ledeti Ionut, Vlas Gabriela, Ledeti Adriana, Axente Carmen, Vlas Titus, Dehelean Cristina. Kinetics of heterogeneous-induced degradation for artesunate and artemether. J Therm Anal Calorim. 2018;134(1):749–56. ISSN: 1388-6150. FI: 2.471. Q2.
17. **Cîrcioban Denisa**, Ledeti Adriana, Vlas Gabriela, Moaca Alina, Ledeti Ionut, Farcas Claudia, Vlas Titus, Dehelean Cristina. Thermal degradation, kinetic analysis and evaluation of biological activity on human melanoma for artemisinin. J Therm Anal Calorim. 2018;134(1):741–8. ISSN: 1388-6150. FI: 2.471. Q2.
18. Ledeti Ionut, Pusztai Agneta, Murariu Marius, Olariu Sorin, Ivan Codrut, **Cîrcioban Denisa**, Vlas Gabriela, Ledeti Adriana, Vlas Titus, Matusz Petru. Comparative instrumental investigations of some bile acids. J Therm Anal Calorim. 2018;134(2):1345–50. ISSN: 1388-6150. FI: 2.471. Q2.
19. Ledeti Ionut, Pusztai Agneta, Muresan Cezara Maria, **Cîrcioban Denisa**, Vlas Gabriela, Axente Carmen, Suta Lenuta Maria, Vlas Titus, Matusz Petru, Ledeti Adriana, Suci Oana, Buda Valentina, Murariu Marius. Study of kinetic characteristics of 6-ethyl chenodeoxycholic acid and deoxycholic acid decomposition in non-isothermal conditions. J Therm Anal Calorim. 2018;134(1):757–64. ISSN: 1388-6150. FI: 2.471. Q2.
20. Ledeti Ionut, Pusztai Agneta, Muresan Cezara Maria, **Cîrcioban Denisa**, Vlas Gabriela, Murariu Marius, Suta Lenuta Maria, Vlas Titus, Ledeti Adriana, Suci Oana, Buda Valentina, Matusz Petru. Study of solid-state degradation of prochlorperazine and promethazine. J Therm Anal Calorim. 2018;134(1):731–40. ISSN: 1388-6150. FI: 2.471. Q2.
21. Vlas Titus, Albu Paul, Ledeti Adriana, **Cîrcioban Denisa**, Mateescu Madalina, Moșoiu Codruta, Vlas Gabriela. Thermal behavior of entacapone, a catechol-O-methyltransferase inhibitor used in Parkinson's disease. J Therm Anal Calorim. 2018;134(1):711–20. ISSN: 1388-6150. FI: 2.471. Q2.
22. Ledeti Adriana, Olariu Tudor, Caunii Angela, Vlas Gabriela, **Cîrcioban Denisa**, Baul Bianca, Ledeti Ionut, Vlas Titus, Murariu Marius. Evaluation of thermal stability and kinetic of degradation for levodopa in non-isothermal conditions. J Therm Anal Calorim. 2018;131(2):1881–8. ISSN: 1388-6150. FI: 2.471. Q2.
23. Ledeti Ionut, Budiul Mihaela, Matusz Petru, Vlas Gabriela, **Cîrcioban Denisa**, Dehelean Cristina, Suta Lenuta Maria, Caunii Angela, Ledeti Adriana, Vlas Titus, Murariu Marius, Bolintineanu Sorin. Preformulation studies for nortriptyline. J Therm Anal Calorim. 2018;131(1):191–9. ISSN: 1388-6150. FI: 2.471. Q2.
24. Ledeti Adriana, Vlas Gabriela, Vlas Titus, **Cîrcioban Denisa**, Dehelean Cristina, Ledeti Ionut, Suta Lenuta Maria. Binary adduct formation of desipramine with dicarboxylic acids. J Therm Anal Calorim. 2018;131(1):167–73. ISSN: 1388-6150. FI: 2.471. Q2.
25. Ledeti Adriana, Vlas Gabriela, Vlas Titus, **Cîrcioban Denisa**, Dehelean Cristina, Ledeti Ionut. Kinetic study for solid-state degradation of mental disorder therapeutic agents. J Therm Anal Calorim. 2018;131(1):155–65. ISSN: 1388-6150. FI: 2.471. Q2.
26. Ledeti Ionut, Bolintineanu Sorin, Vlas Gabriela, **Cîrcioban Denisa**, Ledeti Adriana, Vlas Titus, Suta Lenuta Maria, Caunii Angela, Murariu Marius. Compatibility study between antiparkinsonian drug Levodopa and excipients by FTIR spectroscopy, X-ray diffraction and thermal analysis. J Therm Anal Calorim. 2017;130(1):433–41. ISSN: 1388-6150. FI: 2.209. Q2.
27. Ledeti Ionut, Bolintineanu Sorin, Vlas Gabriela, **Cîrcioban Denisa**, Dehelean Cristina, Suta Lenuta Maria, Caunii Angela, Ledeti Adriana, Vlas Titus, Murariu Marius. Evaluation of solid-state thermal stability of donepezil in binary mixtures with excipients using instrumental techniques. J Therm Anal Calorim. 2017;130(1):425–31. ISSN: 1388-6150. FI: 2.209. Q2.
28. Ledeti Adriana, Vlas Gabriela, **Cîrcioban Denisa**, Ledeti Ionut, Stelea Lavinia, Vlas Titus, Caunii Angela. Comparative Stability of Levodopa Under Thermal Stress in both Oxidative and Inert Media. Rev Chim. 2016;67(12):2648–50. ISSN: 0034-7752. FI: 1.232. Q3.
29. Suta Lenuta Maria, Vlas Gabriela, Ledeti Adriana, Vlas Titus, Matusz Petru, Trandafirescu C, **Cîrcioban Denisa**, Olariu Sorin, Ivan Codrut, Murariu Marius, Stelea Lavinia, Ledeti Ionut. Solid-State Thermal Behaviour of Cholic Acid. Rev Chim. 2016;67(2):329–31. ISSN:

0034-7752. FI: 1.232. Q3.

30. Ledeti Adriana, Vase Gabriela, Ledeti Ionut, Vase Titus, Matusz Petru, Dehelean Cristina, **Circioban Denisa**, Stelea Lavinia, Suta Lenuta Maria. Thermal Stability of Desipramine and Imipramine. Rev Chim. 2016;67(2):336–8. ISSN: 0034-7752. FI: 1.232. Q3.
31. **Circioban Denisa**, Dehelean Cristina, Suta Lenuta Maria, Murariu Marius, Vase Gabriela, Nita Lucian, Soica Codruta, Fulas Adriana. Synthesis and Physico-chemical Characterization of Theophylline-succinic Acid Binary Adduct. Rev Chim. 2015;66(2):1982–5. ISSN: 0034-7752. FI: 0.956. Q3.

IV. BDI Papers

1. Denisa Circioban, Ionuț Ledeti*, Gabriela Vase, Titus Vase, Adriana Ledeti. Solid State Stability and Preformulation Studies for Acetylcholinesterase Inhibitor Drug Tacrine. Timisoara Med. 2020, 2020(1),4; doi:10.35995/tmj20200104.

V. National and International Conferences (Abstracts)

1. *Solid-state characterization of Mupirocin and Metronidazole*
Amalia Ridichie, Adriana Ledeti, Anca Dragomirescu, Laura Sbârcea, **Denisa Ivan**, Ionuț-Valentin Ledeti
32nd Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR32). 3 noiembrie 2023, Măgurele, Romania. Book of abstracts, p. 23.
2. *Study on the complexation of quercetin with methyl-β-cyclodextrins*
Daniela-Ioana Mitrofan-Bandol, Luciana Elena Buliga, Amalia Ridichie, Ema Nițu, **Denisa Cîrcioban**, Raluca Pop, Adriana Ledeti, Ionuț Ledeti, Laura Sbârcea
Congresul Național de Farmacie Ediția a XIX-a - Farmacia azi: de la tradiție la interdisciplinaritate și inteligență artificială. 27-29 septembrie 2023, Cluj-Napoca, România. Book of abstracts ISBN 978-606-075-203-5, p. 34.
3. *Interaction study of Methotrexat with derivative β-cyclodextrins*
Luciana Elena Buliga, Ioana Mitrofan, Amalia Ridichie, **Denisa Cîrcioban**, Raluca Pop, Adriana Ledeti, Angela Caunii, Ionuț Ledeti, Laura Sbârcea
Congresul Național de Farmacie Ediția a XIX-a - Farmacia azi: de la tradiție la interdisciplinaritate și inteligență artificială. 27-29 septembrie 2023, Cluj-Napoca, România. Book of abstracts ISBN 978-606-075-203-5, p. 39.
4. *Supramolecular interactions between itraconazole and functionalized cyclodextrins*
Lenuța Maria Șuta, Adriana Ledeti, Lavinia Stelea, **Denisa Cîrcioban**, Amalia Ridichie, Claudia Watz, Gabriela Vase, Delia Muntean, Ionuț-Valentin Ledeti, Titus Vase
Congresul Național de Farmacie Ediția a XIX-a - Farmacia azi: de la tradiție la interdisciplinaritate și inteligență artificială. 27-29 septembrie 2023, Cluj-Napoca, România. Book of abstracts ISBN 978-606-075-203-5, p. 55.
5. *Thermal stability and decomposition of olmesartan medoxomil*
Bianca Baul, Minodora Andor, Dana Emilia Man, Valentina Buda, Adriana Ledeti, **Denisa Cîrcioban**, Sebastian Simu, Carmen Tomoroga, Francisc Peter, Ionuț Ledeti
16th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2023), 19-21 iulie 2023, Porto, Portugalia, Book of abstracts ISBN 978-989-35015-3-5, p.80.
6. *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 Vase, Ionuț Ledeti, Amalia Bradu, Alexandru Pahomi, Gabriela Vase
16th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2023), 19-21 iulie 2023, Porto, Portugalia, Book of abstracts ISBN 978-989-35015-3-5, p.89.
7. *Preformulation studies of levonorgestrel*
Amalia Ridichie, Adriana Ledeti, Gerlinde Rusu, Laura Sbârcea, **Denisa Cîrcioban**, Francisc Peter, Ionuț Ledeti
16th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2023), 19-21 iulie 2023, Porto, Portugalia, Book of abstracts ISBN 978-989-35015-3-5, p.93.
8. *Encapsulation of artemisinin and its derivatives by sulfobutylated -cyclodextrin: physicochemical and molecular modelling studies*
Amalia Ridichie, Adriana Ledeti, **Denisa Cîrcioban**, Gabriela Vase, Titus Vase, Renata Văruț, Francisc Peter, Ionuț Ledeti
31st Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR31), 20-22 octombrie 2022, Reșița, Romania, Book of abstracts p. 22.
9. *Binary systems containing carvedilol*
Bianca Baul, Bianca Bîrzava-Milu, Emanuela Nițu, **Denisa Cîrcioban**, Adriana Ledeti, Gabriela Vase, Titus Vase, Renata Văruț, Francisc Peter, Ionuț Ledeti
31st Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR31), 20-22 octombrie 2022, Reșița, Romania, Book of abstracts p. 23.
10. *Kinetics of thermal degradation of pharma grade sulfobutylether sodium betacyclodextrin*
Claudia Temereancă, Adriana Ledeti, Gabriela Vase, Cristina Trandafirescu, Valentina Buda, **Denisa Cîrcioban**, Laura Sbârcea, Titus Vase, Ionuț Ledeti
31st Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR31), 20-22 octombrie 2022, Reșița, Romania, Book of abstracts p. 39.
11. *Instrumental investigations of telmisartan-aminoacids binary adducts*
Bianca Baul, **Denisa Cîrcioban**, Laura Sbârcea, Adriana Ledeti, Gabriela Vase, Titus Vase, Elisabeta Atyim, Renata-Maria Văruț, Francisc Peter, Ionuț Ledeti
31st Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR31), 20-22 octombrie 2022, Reșița, Romania, Book of abstracts p. 40.
12. *Heptakis(2,6-di-O-methyl)-β-cyclodextrin inclusion complex of olmesartan medoxomil. Compatibility with excipients*
Laura Sbârcea, Bianca Baul, Adriana Ledeti, Paul Barvinschi, Gabriela Vase, **Denisa Cîrcioban**, Lenuța-Maria Șuta, Francisc Peter, Ionuț Ledeti
31st Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR31), 20-22 octombrie 2022, Reșița, Romania, Book of abstracts p. 41.
13. *Theoretical and instrumental approach for the development of co-crystals with mirtazapine and opipramol*

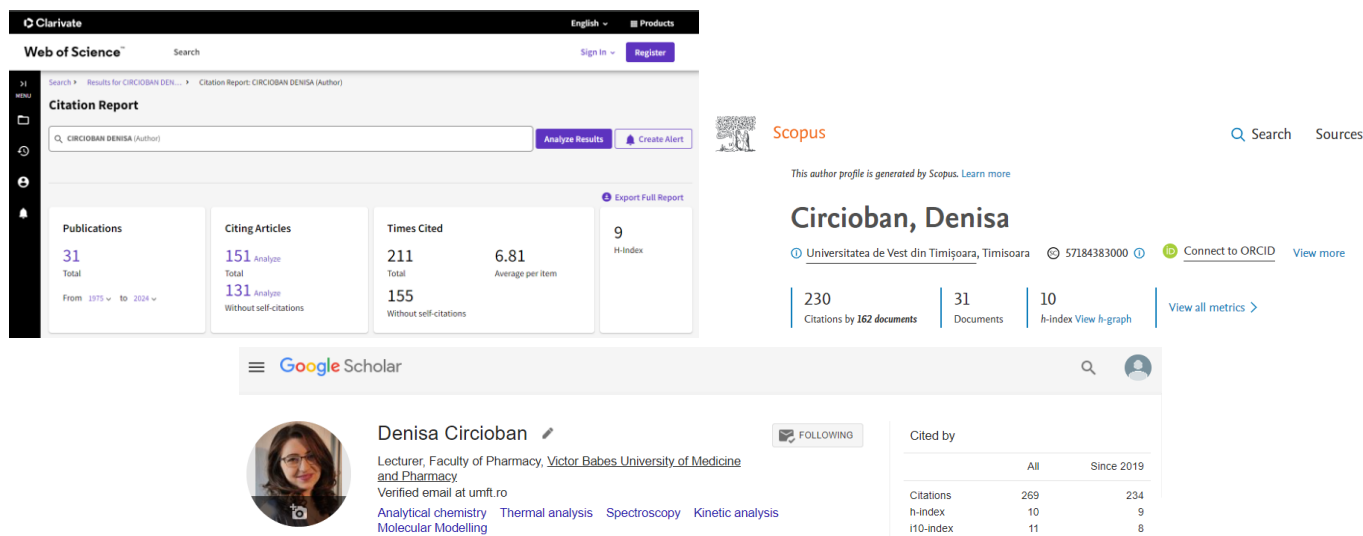
- Denisa Cîrcioaban**, Ionuț Ledetj, Adriana Ledetj, Titus Vlase, Renata Văruț, Gabriela Vlase
31st Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR31), 20-22 octombrie 2022, Reșița, Romania, Book of abstracts p. 43.
14. *Stability evaluation and kinetic study for the atypical antidepressant opipramol*
Denisa Cîrcioaban, Gabriela Vlase, Ionuț Ledetj, Titus Vlase, Gerlinde Rusu, Adriana Ledetj
The 13th European Symposium on Thermal Analysis and Calorimetry (ESTAC 13), 19-22 Septembrie 2022, Palermo, Italia, Book of abstracts, p. 124.
 15. *Preparation and physicochemical analysis for cyclodextrin mirtazapine inclusion complexes*
Denisa Cîrcioaban, Gabriela Vlase, Laura Sbârcea, Ionuț Ledetj, Titus Vlase, Gerlinde Rusu, Renata Văruț, Adriana Ledetj
The 13th European Symposium on Thermal Analysis and Calorimetry (ESTAC 13), 19-22 Septembrie 2022, Palermo, Italia, Book of abstracts, p. 125.
 16. *Encapsulation of olmesartan medoxomil by cyclodextrins: physicochemical and molecular modeling studies*
Bianca Baul, Laura Sbârcea, Adriana Ledetj, **Denisa Cîrcioaban**, Valentina Buda, Gerlinde Rusu, Paul Barvinschi, Renata-Maria Văruț, Francisc Peter, Cristina Trandafirescu, Ionuț Ledetj
The 13th European Symposium on Thermal Analysis and Calorimetry (ESTAC 13), 19-22 Septembrie 2022, Palermo, Italia, Book of abstracts, p. 147.
 17. *Host-guest interactions and formation of ternary inclusion complexes - naproxen:omeprazole:cyclodextrins*
Lenuța-Maria Șuta, Amalia Ridichie, Adriana Ledetj, Lavinia Stelea, **Denisa Cîrcioaban**, Gabriela Vlase, Daniela Stoin, Laura Sbârcea, Titus Vlase, Laurian Vlase, Ionuț Ledetj
The 13th European Symposium on Thermal Analysis and Calorimetry (ESTAC 13), 19-22 Septembrie 2022, Palermo, Italia, Book of abstracts, p. 148.
 18. *Encapsulation of tangerine and grapefruit oils in host-guest inclusion complexes with cyclodextrins*
Claudia Olteanu, **Denisa Cîrcioaban**, Amalia Ridichie, Adriana Ledetj, Gabriela Vlase, Laura Sbârcea, Cristina Trandafirescu, Valentina Buda, Germaine Săvoiu, Ionuț Ledetj
The 13th European Symposium on Thermal Analysis and Calorimetry (ESTAC 13), 19-22 Septembrie 2022, Palermo, Italia, Book of abstracts, p. 166.
 19. *Instrumental screening regarding the preformulation of prednisone in binary systems*
Denisa Cîrcioaban, Cosmina Bengescu, Cornelia Muntean, Adriana Ledetj, Gabriela Vlase, Anca Dragomirescu, Laura Sbârcea, Carmen Tomoroga, Ionuț Ledetj
XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 27 - 28 2021 Online, Udine, Book of abstracts, p. 129-130, ISBN 978-88-3623-039-6.
 20. *Thermal stability of antihypertensive drug moxonidine – an isoconversional kinetic study*
Denisa Cîrcioaban, Cosmina Bengescu, Cornelia Muntean, Adriana Ledetj, Gabriela Vlase, Anca Dragomirescu, Laura Sbârcea, Carmen Tomoroga, Ionuț Ledetj
XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 27 - 28 2021 Online, Udine, Book of abstracts, p. 131-132, ISBN 978-88-3623-039-6.
 21. *Solid-state stability of valsartan – an isoconversional kinetic study for drug and pharmaceutical formulation*
Bianca Baul, **Denisa Cîrcioaban**, Valentina Buda, Adriana Ledetj, Gabriela Vlase, Titus Vlase, Laura Sbârcea, Francisc Peter, Ionuț Ledetj
XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 27 - 28 2021 Online, Udine, Book of abstracts, p. 137-138, ISBN 978-88-3623-039-6.
 22. *Preformulation studies for aripiprazole and risperidone – an instrumental approach*
Ionuț Tănase, **Denisa Cîrcioaban**, Adriana Ledetj, Gabriela Vlase, Șuta Lenuța-Maria, Laura Sbârcea, Titus Vlase, Daniela Dascălu, Ionuț Ledetj
XLII National Conference on Calorimetry, Thermal Analysis and Applied Thermodynamics, January 27 - 28 2021 Online, Udine, Book of abstracts, p. 139-140, ISBN 978-88-3623-039-6.
 23. *In vitro release study of tenoxicam from hydrogels based on carbomer*
Lenuța-Maria Șuta, Adriana Ledetj, Ionuț Ledetj, Anca Dragomirescu, **Denisa Cîrcioaban**, Lavinia Stelea, Constantin Mircioiu
12th Edition of the Biopharmacy - Pharmacokinetics & Industrial Pharmacy Symposium, 8 November 2019, Cluj-Napoca, Romania, Medicine and Pharmacy Reports, Supplement No. 5, Vol. 92, 2019, S41, e-ISSN 2668-1250; p-ISSN 2602-0815.
 24. *Preliminary evaluation of solid state stability of promestriene*
Ionuț-Valentin Ledetj, Cosmina Bengescu, **Denisa Cîrcioaban**, Valentina Buda, Lenuța-Maria Șuta, Oana Suci, Marius Murariu, Anca Dragomirescu, Gabriela Vlase, Titus Vlase, Adriana Ledetj
12th Edition of the Biopharmacy - Pharmacokinetics & Industrial Pharmacy Symposium, 8 November 2019, Cluj-Napoca, Romania, Medicine and Pharmacy Reports, Supplement No. 5, Vol. 92, 2019, S48, e-ISSN 2668-1250; p-ISSN 2602-0815.
 25. *Shelf-life evaluation of a synthetic progestogen derivative in binary mixtures*
Adriana Ledetj, **Denisa Cîrcioaban**, Lenuța-Maria Șuta, Anca Dragomirescu, Carmen Tomoroga, Marius Murariu, Oana Suci, Gabriela Vlase, Titus Vlase, Ionuț-Valentin Ledetj
12th Edition of the Biopharmacy - Pharmacokinetics & Industrial Pharmacy Symposium, 8 November 2019, Cluj-Napoca, Romania, Medicine and Pharmacy Reports, Supplement No. 5, Vol. 92, 2019, S53, e-ISSN 2668-1250; p-ISSN 2602-0815.
 26. *Ternary systems containing naproxen, omeprazole and functionalized cyclodextrins – preformulation study*
Lenuța-Maria Șuta, Adriana Ledetj, Lavinia Stelea, **Denisa Cîrcioaban**, Oana Suci, Marius Murariu, Gabriela Vlase, Titus Vlase, Ionuț-Valentin Ledetj
12th Edition of the Biopharmacy - Pharmacokinetics & Industrial Pharmacy Symposium, 8 November 2019, Cluj-Napoca, Romania, Medicine and Pharmacy Reports, Supplement No. 5, Vol. 92, 2019, S56, e-ISSN 2668-1250; p-ISSN 2602-0815.
 27. *Solid-state compatibility study between prednisone and pharmaceutical excipients*
Adriana Ledetj, **Denisa Cîrcioaban**, Gabriela Vlase, Titus Vlase, Anca Dragomirescu, Lenuța-Maria Șuta, Cornelia Muntean, Bianca Baul, Ionuț Ledetj
5th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC5) and 14th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta2019), 27-30 August 2019, Rome, Italy, Book of abstracts, p. 375, ISBN 978-3-940237-59-0.
 28. *Thermal analysis and molecular modelling of inclusion complexes containing artesunate*
Denisa Cîrcioaban, Ionuț Ledetj, Lenuța-Maria Șuta, Gabriela Vlase, Adriana Ledetj, Titus Vlase, Renata Văruț, Cristina Dehelean
5th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC5) and 14th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta2019), 27-30 August 2019, Rome, Italy, Book of abstracts, p. 376, ISBN 978-3-940237-59-0.
 29. *Thermal analysis and kinetic degradation study for corticosteroid drug fludrocortisone*
Adriana Ledetj, **Denisa Cîrcioaban**, Carmen Axente, Gabriela Vlase, Titus Vlase, Valentina Buda, Oana Suci, Cezara Mureșan, Ionuț Ledetj

- 5th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC5) and 14th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta2019), 27-30 August 2019, Rome, Italy, Book of abstracts, p. 383, ISBN 978-3-940237-59-0.
- 30. Thermal stability and kinetic degradation study for dihydroartemisinin**
Denisa Cîrcioban, Adriana Ledeti, Gabriela Vlase, Titus Vlase, Cristina Dehelean, Ionuț Ledeti
 5th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC5) and 14th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta2019), 27-30 August 2019, Rome, Italy, Book of abstracts, p. 384, ISBN 978-3-940237-59-0.
- 31. Search of interaction between prednisolone and pharmaceutical excipients in solid binary mixtures**
 Ionuț Ledeti, Mirabela Romanescu, **Denisa Cîrcioban**, Gabriela Vlase, Titus Vlase, Laura Sbârcea, Oana Suci, Cezara Mureșan, Marius Murariu, Adriana Ledeti
 5th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC5) and 14th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta2019), 27-30 August 2019, Rome, Italy, Book of abstracts, p. 385, ISBN 978-3-940237-59-0.
- 32. First report regarding the solid state compatibility between synthetic steroidal estrogen promestriene and pharmaceutical excipients**
 Cosmina Bengescu, Anca Dragomirescu, Adriana Ledeti, Mirabela Romanescu, Gabriela Vlase, Titus Vlase, Lenuța-Maria Șuta, **Denisa Cîrcioban**, Comelia Muntean, Ionuț Ledeti
 28th Symposium on Thermal Analysis and Calorimetry – Eugen Segal – of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR28) & 2nd Symposium on Thermal Analysis and Calorimetry of Moldova (MoldTAC2), 9-10 May 2019, West University of Timișoara, Timisoara, Romania, Book of abstracts, p. 35, ISBN 978-606-675-208-4.
- 33. Physico-chemical and biological evaluation of inclusion complexes containing artesunate**
Denisa Cîrcioban, Adriana Ledeti, Gabriela Vlase, Ionuț Ledeti, Titus Vlase, Renata Văruț, Ioana Zinca Pavel, Cristina Dehelean
 28th Symposium on Thermal Analysis and Calorimetry – Eugen Segal – of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR28) & 2nd Symposium on Thermal Analysis and Calorimetry of Moldova (MoldTAC2), 9-10 May 2019, West University of Timișoara, Timisoara, Romania, Book of abstracts, p. 37, ISBN 978-606-675-208-4.
- 34. Compatibility study of Desogestrel with pharmaceutical excipients in solid state**
 Adriana Ledeti, Mirabela Romanescu, Gabriela Vlase, Titus Vlase, Comelia Muntean, Anca Dragomirescu, Lenuța-Maria Șuta, **Denisa Cîrcioban**, Cezara Mureșan, Ionuț Ledeti
 28th Symposium on Thermal Analysis and Calorimetry – Eugen Segal – of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR28) & 2nd Symposium on Thermal Analysis and Calorimetry of Moldova (MoldTAC2), 9-10 May 2019, West University of Timișoara, Timisoara, Romania, Book of abstracts, p. 39, ISBN 978-606-675-208-4.
- 35. Comparative solid state stability of three glucocorticoid hormones: prednisolone, prednisone and cortisone**
 Ionuț Ledeti, Sebastian Simu, Carmen Axente, **Denisa Cîrcioban**, Bina Baul, Gabriela Vlase, Titus Vlase, Anca Dragomirescu, Adriana Ledeti
 28th Symposium on Thermal Analysis and Calorimetry – Eugen Segal – of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR28) & 2nd Symposium on Thermal Analysis and Calorimetry of Moldova (MoldTAC2), 9-10 May 2019, West University of Timișoara, Timisoara, Romania, Book of abstracts, p. 40, ISBN 978-606-675-208-4.
- 36. Stability screening of folic acid in solid state – active ingredient and pharmaceutical formulation**
 Cezara Mureșan, Ionuț Ledeti, Gabriela Vlase, Titus Vlase, Anca Dragomirescu, Carmen Axente, Valentina Buda, **Denisa Cîrcioban**, Adriana Ledeti
 28th Symposium on Thermal Analysis and Calorimetry – Eugen Segal – of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR28) & 2nd Symposium on Thermal Analysis and Calorimetry of Moldova (MoldTAC2), 9-10 May 2019, West University of Timișoara, Timisoara, Romania, Book of abstracts, p. 41, ISBN 978-606-675-208-4.
- 37. Instrumental investigations regarding solid state compatibility between Levthyroxine Sodium and pharmaceutical excipients**
 Mirabela Romanescu, Adriana Ledeti, Comelia Muntean, Gabriela Vlase, Titus Vlase, Anca Dragomirescu, Lenuța-Maria Șuta, **Denisa Cîrcioban**, Ionuț Ledeti
 28th Symposium on Thermal Analysis and Calorimetry – Eugen Segal – of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR28) & 2nd Symposium on Thermal Analysis and Calorimetry of Moldova (MoldTAC2), 9-10 May 2019, West University of Timișoara, Timisoara, Romania, Book of abstracts, p. 44, ISBN 978-606-675-208-4.
- 38. Comparative evaluation of heterogenous degradation of mebendazole, fenbendazole and flubendazole**
 Ionuț Ledeti, Cristina Trandafirescu, Roxana Racoviceanu, **Denisa Cîrcioban**, Gabriela Vlase, Titus Vlase, Cristina Dehelean, Anca Dragomirescu, Adriana Ledeti
 28th Symposium on Thermal Analysis and Calorimetry – Eugen Segal – of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR28) & 2nd Symposium on Thermal Analysis and Calorimetry of Moldova (MoldTAC2), 9-10 May 2019, West University of Timișoara, Timisoara, Romania, Book of abstracts, p. 49, ISBN 978-606-675-208-4.
- 39. Thermal stability of standardised Camellia Sinensis spray-dried extract**
 Cosmina Bengescu, Anca Octavia Dragomirescu, Adriana-Violeta Ledeti, Lenuța-Maria Șuta, **Denisa Cîrcioban**, Carmen Axente, Bianca Baul, Ionuț-Valentin Ledeti
 Siguranța produselor pe bază de plante medicinale/Safety of medicinal plants products, Workshop, Timișoara, Romania 22-23 noiembrie 2018, Summary manifestations within the project CNFIS-FDI-2018-0159, p. 13. ISBN: 978-606-786-104-4.
- 40. Preliminary synthesis and characterization of artemisinin-resorcinol binary adduct**
Denisa Cîrcioban, Adriana Ledeti, Sebastian Simu, Ionuț Ledeti, Cristina Dehelean
 Siguranța produselor pe bază de plante medicinale/Safety of medicinal plants products, Workshop, Timișoara, Romania 22-23 noiembrie 2018, Summary manifestations within the project CNFIS-FDI-2018-0159, p.18. ISBN: 978-606-786-104-4.
- 41. Isolation of artemisinin from pharmaceutical formulations**
Denisa Cîrcioban, Bianca Baul, Adriana Ledeti, Carmen Axente, Ionuț Ledeti, Cristina Dehelean
 Siguranța produselor pe bază de plante medicinale/Safety of medicinal plants products, Workshop, Timișoara, Romania 22-23 noiembrie 2018, Summary manifestations within the project CNFIS-FDI-2018-0159, p.19. ISBN: 978-606-786-104-4.
- 42. Characterization of artemisinin behavior in solution**
Denisa Cîrcioban, Laura Sbârcea, Adriana Ledeti, Ionuț Ledeti, Bianca Baul, Cristina Dehelean
 Siguranța produselor pe bază de plante medicinale/Safety of medicinal plants products, Workshop, Timișoara, Romania 22-23 noiembrie 2018, Summary manifestations within the project CNFIS-FDI-2018-0159, p. 20. ISBN: 978-606-786-104-4.
- 43. Preparation and characterization of inclusion complexes of ledum oil with several cyclodextrins**
 Claudia Olteanu, Adriana-Violeta Ledeti, Anca Octavia Dragomirescu, Lenuța-Maria Șuta, **Denisa Cîrcioban**, Carmen Axente, Bianca Baul, Ionuț-Valentin Ledeti

- Siguranța produselor pe bază de plante medicinale/Safety of medicinal plants products, Workshop, Timișoara, Romania 22-23 noiembrie 2018, Summary manifestations within the project CNFIS-FDI-2018-0159, p. 35. ISBN: 978-606-786-104-4.
44. *Preliminary characterization of some loaded polyurethanes used as adsorbents for bioactive compounds from plant extracts*
Ionuț-Mihai Tănase, Adriana-Violeta Ledet, Anca Octavia Dragomirescu, Lenuța-Maria Șuta, **Denisa Cîrcioaban**, Carmen Axente, Florin Borcan, Ionuț-Valentin Ledet
Siguranța produselor pe bază de plante medicinale/Safety of medicinal plants products, Workshop, Timișoara, Romania 22-23 noiembrie 2018, Summary manifestations within the project CNFIS-FDI-2018-0159, p.44. ISBN: 978-606-786-104-4.
 45. *Safety and wound healing effects of three Artemisia species*
Stefana Avram, Corina Danciu, Ioana Zinuca Pavel, Daliana Minda, Roxana Ghiulai, Ioana Macasoi, Dorina Coricovac, Iulia Pinzaru, Alina-Elena Moaca, Cristina Dehelean, **Denisa Cîrcioaban**, Codruta, Soica
Siguranța produselor pe bază de plante medicinale/Safety of medicinal plants products, Workshop, Timișoara, Romania 22-23 noiembrie 2018, Summary manifestations within the project CNFIS-FDI-2018-0159, p. 47. ISBN: 978-606-786-104-4.
 46. *Guest-host interactions and complex formation for artemisinin with cyclodextrins*
Denisa Cîrcioaban, Ionuț Ledet, Gabriela Vlase, Adriana Ledet, Titus Vlase, Florin Borcan, Carmen Axente, Cristina Borcan, Cristina Dehelean
13th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta 2017), 24-27 September 2017, Loano (SV), Italy, Book of abstracts, p. 62.
 47. *Thermal degradation and kinetic study for thermolysis of Tacrine*
Denisa Cîrcioaban, Ionuț Ledet, Gabriela Vlase, Adriana Ledet, Marius Murariu, Titus Vlase
13th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta 2017), 24-27 September 2017, Loano (SV), Italy, Book of abstracts, p. 63.
 48. *Thermal stability of Benserazide as pure compound and in binary mixture with Levodopa vs. commercial pharmaceutical formulation*
Adriana Ledet, **Denisa Cîrcioaban**, Gabriela Vlase, Marius Murariu, Ionuț Ledet, Lenuța-Maria Șuta, Titus Vlase
13th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta 2017), 24-27 September 2017, Loano (SV), Italy, Book of abstracts, p. 70.
 49. *Preformulation studies for selection of excipients for Ursodeoxycholic acid*
Ionuț Ledet, Adriana Ledet, Lenuța-Maria Șuta, Marius Murariu, Gabriela Vlase, **Denisa Cîrcioaban**, Titus Vlase
13th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta 2017), 24-27 September 2017, Loano (SV), Italy, Book of abstracts, p. 71.
 50. *Comparative thermal stability of some bile acids*
Ionuț Ledet, Marius Murariu, Sorin Olariu, Codruț Ivan, **Denisa Cîrcioaban**, Gabriela Vlase, Adriana Ledet, Titus Vlase, Petru Matusz
13th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta 2017), 24-27 September 2017, Loano (SV), Italy, Book of abstracts, p. 72.
 51. *Comparative thermal analysis and kinetic study of Apomorphine and Cabergoline*
Adriana Ledet, **Denisa Cîrcioaban**, Gabriela Vlase, Angelica Caunii, Lenuța-Maria Șuta, Titus Vlase, Marius Murariu, Ionuț Ledet
13th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta 2017), 24-27 September 2017, Loano (SV), Italy, Book of abstracts, p. 73.
 52. *Thermal degradation, kinetic analysis and evaluation of biological activity on human melanoma for artemisinin*
Denisa Cîrcioaban, Ionuț Ledet, Gabriela Vlase, Adriana Ledet, Titus Vlase, Cristina Dehelean
4th Central and Eastern European Committee for Thermal Analysis and Calorimetry – CEEC-TAC4, 28-31 August 2017, Chișinău, Republic of Moldova, Book of abstracts, p. 224, ISBN 978-3-940237-47-7.
 53. *Thermal degradation and kinetic analysis for artemether and artesunate*
Denisa Cîrcioaban, Nicolae Doca, Ionuț Ledet, Gabriela Vlase, Adriana Ledet, Titus Vlase, Cristina Dehelean
4th Central and Eastern European Committee for Thermal Analysis and Calorimetry – CEEC-TAC4, 28-31 August 2017, Chișinău, Republic of Moldova, Book of abstracts, p. 225, ISBN 978-3-940237-47-7.
 54. *Thermal analysis and kinetic study of 6-ethyl chenodeoxycholic acid and deoxycholic acid*
Marius Murariu, Ionuț Ledet, **Denisa Cîrcioaban**, Gabriela Vlase, Carmen Axente, Lenuța-Maria Șuta, Titus Vlase, Adriana Ledet
4th Central and Eastern European Committee for Thermal Analysis and Calorimetry – CEEC-TAC4, 28-31 August 2017, Chișinău, Republic of Moldova, Book of abstracts, p. 229, ISBN 978-3-940237-47-7.
 55. *Thermal analysis and kinetic study of deprenyl hydrochloride*
Adriana Ledet, **Denisa Cîrcioaban**, Gabriela Vlase, Angelica Caunii, Lenuța-Maria Șuta, Titus Vlase, Ionuț Ledet
4th Central and Eastern European Committee for Thermal Analysis and Calorimetry – CEEC-TAC4, 28-31 August 2017, Chișinău, Republic of Moldova, Book of abstracts, p. 230, ISBN 978-3-940237-47-7.
 56. *Thermal analysis and kinetic study of prochlorperazine and promethazine*
Ionuț Ledet, **Denisa Cîrcioaban**, Gabriela Vlase, Marius Murariu, Adriana Ledet, Lenuța-Maria Șuta, Titus Vlase
4th Central and Eastern European Committee for Thermal Analysis and Calorimetry – CEEC-TAC4, 28-31 August 2017, Chișinău, Republic of Moldova, Book of abstracts, p. 231, ISBN 978-3-940237-47-7.
 57. *Thermal characterization of rivastigmine*
Gabriela Vlase, Adriana Ledet, **Denisa Cîrcioaban**, Marius Murariu, Angelica Caunii, Ionuț Ledet, Titus Vlase
4th Central and Eastern European Committee for Thermal Analysis and Calorimetry – CEEC-TAC4, 28-31 August 2017, Chișinău, Republic of Moldova, Book of abstracts, p. 465, ISBN 978-3-940237-47-7.
 58. *Preformulation studies for selection of excipients for cholinesterase inhibitor tacrine*
Ionuț Ledet, Lenuța-Maria Șuta, Marius Murariu, **Denisa Cîrcioaban**, Gabriela Vlase, Adriana Ledet, Titus Vlase
4th Central and Eastern European Committee for Thermal Analysis and Calorimetry – CEEC-TAC4, 28-31 August 2017, Chișinău, Republic of Moldova, Book of abstracts, p. 476, ISBN 978-3-940237-47-7.
 59. *Thermal behaviour of entacapone, a catechol-O-methyltransferase inhibitor used in Parkinson's disease*
Gabriela Vlase, Paul Abu, Adriana Ledet, **Denisa Cîrcioaban**, Marius Murariu, Angelica Caunii, Ionuț Ledet, Titus Vlase
4th Central and Eastern European Committee for Thermal Analysis and Calorimetry – CEEC-TAC4, 28-31 August 2017, Chișinău, Republic of Moldova, Book of abstracts, p. 492, ISBN 978-3-940237-47-7.
 60. *Solid state characterization of human gallstones*
Marius Murariu, Sorin Olariu, Codruț Ivan, Ionuț Ledet, **Denisa Cîrcioaban**, Gabriela Vlase, Adriana Ledet, Titus Vlase, Petru Matusz
4th Central and Eastern European Committee for Thermal Analysis and Calorimetry – CEEC-TAC4, 28-31 August 2017, Chișinău, Republic of Moldova, Book of abstracts, p. 493, ISBN 978-3-940237-47-7.

61. *Synthesis and preliminary analysis of some coordination compounds of La(III), Pr(III), Nd(III) and Ho(III) with cefadroxil*
Iulia Vladu, **Denisa Cîrcioaban**, Adriana Ledeti, Ionuț Ledeti
Stability and Reactivity in Coordination Chemistry (in memoriam Mihail Bîrzescu), 16-17 decembrie 2016, Timișoara, P.9.
62. *Preliminary physico-chemical analysis of artemisinin*
Denisa Cîrcioaban, Adriana Ledeti, Ionuț Ledeti, Cristina Dehelean
Stability and Reactivity in Coordination Chemistry (in memoriam Mihail Bîrzescu), 16-17 decembrie 2016, Timișoara, P.10.
63. *Effect of pH on the degradation of a polyurethane drug delivery system*
Florin Borcan, Livia-Cristina Borcan, **Denisa Cîrcioaban**, Adriana Ledeti
Phytocompounds and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity. Abstracts of the second international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014 / ed.: prof. Diana S. Antal, prof. Evelyne Ollivier. - Timișoara : Editura Victor Babeș, 2016, pg. 15, ISBN 978-606-786-024-5.
64. *Artemisinin – preliminary physico-chemical analysis*
Denisa Cîrcioaban, Adriana Ledeti, Ionuț Ledeti, Florin Borcan, Cristina Dehelean
Phytocompounds and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity. Abstracts of the second international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014 / ed.: prof. Diana S. Antal, prof. Evelyne Ollivier. - Timișoara : Editura Victor Babeș, 2016, pg. 29, ISBN 978-606-786-024-5.
65. *Isoconversional kinetic analysis for thermal degradation of quercetin*
Denisa Cîrcioaban, Adriana Ledeti, Ionuț Ledeti, Florin Borcan, Cristina Dehelean
Phytocompounds and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity. Abstracts of the second international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014 / ed.: prof. Diana S. Antal, prof. Evelyne Ollivier. - Timișoara : Editura Victor Babeș, 2016, pg. 30, ISBN 978-606-786-024-5.
66. *Binary mixtures of desipramine and excipients - Compatibility studies*
Adriana Ledeti, Gabriela Vlaşe, Titus Vlaşe, **Denisa Cîrcioaban**, Cristina Dehelean, Lenuta Maria Suta, Ionut Ledeti
XXXVIII National Congress on Calorimetry, Thermal Analysis and Applied Thermodynamics - AICAT- GICAT 2016, September 25-28, 2016, Ischia (NA), Italy, Book of abstract, p. 61.
67. *Solid - State Characterization of Levodopa – Preformulation Studies*
Adriana Ledeti, Gabriela Vlaşe, Titus Vlaşe, **Denisa Cîrcioaban**, Cristina Dehelean, Lenuta Maria Suta, Ionut Ledeti
XXXVIII National Congress on Calorimetry, Thermal Analysis and Applied Thermodynamics - AICAT- GICAT 2016, September 25-28, 2016, Ischia (NA), Italy, Book of abstract, p.62.
68. *Study of Compatibility of Donepezil and Pharmaceutical Excipients*
Ionut Ledeti, Gabriela Vlaşe, Titus Vlaşe, Cristina Dehelean, **Denisa Cîrcioaban**, Lenuta Maria Suta, Adriana Ledeti
XXXVIII National Congress on Calorimetry, Thermal Analysis and Applied Thermodynamics - AICAT- GICAT 2016, September 25-28, 2016, Ischia (NA), Italy, Book of abstract, p.63.
69. *Nortriptyline - Kinetic Approach of Thermal Degradation*
Ionut Ledeti, Gabriela Vlaşe, Titus Vlaşe, Cristina Dehelean, **Denisa Cîrcioaban**, Lenuta Maria Suta, Adriana Ledeti
XXXVIII National Congress on Calorimetry, Thermal Analysis and Applied Thermodynamics - AICAT- GICAT 2016, September 25-28, 2016, Ischia (NA), Italy, Book of abstract, p. 64.

VI. h-Index and citations



The image displays two citation reports for Denisa Cîrcioaban. The top report is from Web of Science, showing 31 publications, 151 citing articles, 211 times cited, and an H-index of 9. The bottom report is from Scopus, showing 230 citations by 162 documents, 31 documents, and an H-index of 10. Both reports include links to the full citation lists and metrics.

VII. Awarded papers

1. Beicu Rodica, Alexa Ersilia, Obștiu Diana, Cocan Ileana, Imbrea Florin, Pop Georgeta, **Cîrcioaban Denisa**, Moisa Cristian, Lupitu Andreea, Copolovici Lucian,

- Copolovici Dana Maria, Imbrea Ilinca Merima. Antimicrobial Potential and Phytochemical Profile of Wild and Cultivated Populations of Thyme (Thymus sp.) Growing in Western Romania. Plants. 2021. [Award UEFISCDI PN-III-P1-1.1-PRECISI-202165086](#).
2. Sbarcea Laura, Tanase Ionut-Mihai, Ledeti Adriana, **Circioban Denisa**, Vlase Gabriela, Barvinschi Paul, Miclau Marinela, Varut Renata-Maria, Suci Oana, Ledeti Ionut. Risperidone/Randomly Methylated beta-Cyclodextrin Inclusion Complex-Compatibility Study with Pharmaceutical Excipients. Molecules. 2021. [Award UEFISCDI PN-III-P1-1.1-PRECISI-202157520](#).
 3. Tanase Ionut-Mihai, Sbarcea Laura, Ledeti Adriana, Barvinschi Paul, **Circioban Denisa**, Vlase Gabriela, Varut Renata-Maria, Ledeti Ionut. Compatibility studies with pharmaceutical excipients for aripiprazole-heptakis (2,6-di-O-methyl)-beta-cyclodextrin supramolecular adduct. J Therm Anal Calorim. 2020. [Award UEFISCDI PN-III-P1-1.1-PRECISI-202153613](#)
 4. **Circioban Denisa**, Ledeti Adriana, Vlase Gabriela, Vlase Titus, Dehelean Cristina, Ledeti Ionut. Thermal stability and kinetic degradation study for dihydroartemisinin. J Therm Anal Calorim. 2020. [Award UEFISCDI PN-III-P1-1.1-PRECISI-202154139](#).
 5. **Circioban Denisa**, Ledeti Ionut, Suta Lenuta-Maria, Vlase Gabriela, Ledeti Adriana*, Vlase Titus, Varut Renata, Sbarcea Laura, Trandafirescu Cristina, Dehelean Cristina. Instrumental analysis and molecular modelling of inclusion complexes containing artesunate. J Therm Anal Calorim. 2020. [Award UEFISCDI PN-III-P1-1.1-PRECISI-2021-55137](#).
 6. Sbarcea Laura, Tanase Ionut-Mihai, Ledeti Adriana, **Circioban Denisa**, Vlase Gabriela, Barvinschi Paul, Miclau Marinela, Varut Renata-Maria, Trandafirescu Cristina, Ledeti Ionut. Encapsulation of Risperidone by Methylated beta-Cyclodextrins: Physicochemical and Molecular Modeling Studies. Molecules. 2020. [Award UEFISCDI PN-III-P1-1.1-PRECISI-202156824](#).
 7. Ledeti Ionut, Romanescu Mirabela, **Circioban Denisa**, Ledeti Adriana, Vlase Gabriela, Vlase Titus, Suci Oana, Murariu Marius, Olariu Sorin, Matusz Petru, Buda Valentina, Piciu Doina. Stability and Compatibility Studies of Levothyroxine Sodium in Solid Binary Systems—Instrumental Screening. Pharmaceutics. 2020. [Award UEFISCDI PN-III-P1-1.1-PRECISI-202050178](#)
 8. Ledeti Ionut, Bengescu Cosmina, **Circioban Denisa**, Vlase Gabriela, Vlase Titus, Tomoroga Carmen, Buda Valentina, Ledeti Adriana, Dragomirescu Anca, Murariu Marius. Solid-state stability and kinetic study of three glucocorticoid hormones: prednisolone, prednisone and cortisone. J Therm Anal Calorim. 2020. [Award UEFISCDI PN-III-P1-1.1-PRECISI-202050098](#)
 9. **Circioban Denisa**, Ledeti Adriana, Vlase Gabriela, Ledeti Ionut, Vlase Titus, Văruț Renata, Pavel Ioana Zinuca, Dehelean Cristina. Preparation, physicochemical characterization and biological activity evaluation of some inclusion complexes containing artesunate. J Therm Anal Calorim. 2020. [Award UEFISCDI PN-III-P1-1.1-PRECISI-202049971](#)
 10. Racoviceanu Roxana, Trandafirescu Cristina, Voicu Mirela, Ghiulai Roxana, Borcan Florin, Dehelean Cristina, Watz Claudia, Aigner Zoltan, Ambrus Rita, Coricovac Dorina Elena, **Circioban Denisa**, Mioc Alexandra, Szuhaneck Camelia Alexandrina, Soica Codruta. Solid Polymeric Nanoparticles of Albendazole: Synthesis, Physico-Chemical Characterization and Biological Activity. Molecules. 2020. [Award UEFISCDI PN-III-P1-1.1-PRECISI-202160237](#)
 11. Ledeti Adriana, Olariu Tudor, Caunii Angela, Vlase Gabriela, **Circioban Denisa**, Baul Bianca, Ledeti Ionut, Vlase Titus, Murariu Marius. Evaluation of thermal stability and kinetic of degradation for levodopa in non-isothermal conditions. J Therm Anal Calorim. 2018. [Award UEFISCDI PN-III-P1-1.1-PRECISI2018-26319](#)
 12. Ledeti Adriana, Vlase Gabriela, Vlase Titus, **Circioban Denisa**, Dehelean Cristina, Ledeti Ionut. Kinetic study for solid-state degradation of mental disorder therapeutic agents. J Therm Anal Calorim. 2018. [Award UEFISCDI PN-III-P1-1.1-PRECISI2018-26330](#)
 13. Ledeti Adriana, Vlase Gabriela, Vlase Titus, **Circioban Denisa**, Dehelean Cristina, Ledeti Ionut, Suta Lenuta Maria. Binary adduct formation of desipramine with dicarboxylic acids. J Therm Anal Calorim. 2018. [Award UEFISCDI PN-III-P1-1.1-PRECISI2018-26334](#)
 14. Ledeti Ionut, Budiul Mihaela, Matusz Petru, Vlase Gabriela, **Circioban Denisa**, Dehelean Cristina, Suta Lenuta Maria, Caunii Angela, Ledeti Adriana, Vlase Titus, Murariu Marius, Bolinteanu Sorin. Preformulation studies for nortriptyline. J Therm Anal Calorim. 2018. [Award UEFISCDI PN-III-P1-1.1-PRECISI2018-26544](#)
 15. Vlase Titus, Albu Paul, Ledeti Adriana, **Circioban Denisa**, Mateescu Madalina, Moșoiu Codruta, Vlase Gabriela. Thermal behavior of entacapone, a catechol-O-methyltransferase inhibitor used in Parkinson's disease. J Therm Anal Calorim. 2018. [Award UEFISCDI PN-III-P1-1.1-PRECISI-2019-30624](#)
 16. **Circioban Denisa**, Ledeti Adriana, Vlase Gabriela, Moaca Alina, Ledeti Ionut, Farcas Claudia, Vlase Titus, Dehelean Cristina. Thermal degradation, kinetic analysis and evaluation of biological activity on human melanoma for artemisinin. J Therm Anal Calorim. 2018. [Award UEFISCDI PN-III-P1-1.1-PRECISI-2019-30648](#)
 17. **Circioban Denisa**, Ledeti Ionut, Vlase Gabriela, Ledeti Adriana, Axente Carmen, Vlase Titus, Dehelean Cristina. Kinetics of heterogeneous-induced degradation for artesunate and artemether. J Therm Anal Calorim. 2018. [Award UEFISCDI PN-III-P1-1.1-PRECISI-2019-30651](#)
 18. Ledeti Ionut, Pusztai Agneta, Muresan Cezara Maria, **Circioban Denisa**, Vlase Gabriela, Murariu Marius, Suta Lenuta Maria, Vlase Titus, Ledeti Adriana, Suci Oana, Buda Valentina, Matusz Petru. Study of solid-state degradation of prochlorperazine and promethazine. J Therm Anal Calorim. 2018. [Award UEFISCDI PN-III-P1-1.1-PRECISI-2019-30654](#)
 19. Ledeti Ionut, Pusztai Agneta, Muresan Cezara Maria, **Circioban Denisa**, Vlase Gabriela, Axente Carmen, Suta Lenuta Maria, Vlase Titus, Matusz Petru, Ledeti Adriana, Suci Oana, Buda Valentina, Murariu Marius. Study of kinetic characteristics of 6-ethyl chenodeoxycholic acid and deoxycholic acid decomposition in non-isothermal conditions. J Therm Anal Calorim. 2018. [Award UEFISCDI PN-III-P1-1.1-PRECISI-2019-30657](#)
 20. Ledeti Ionut, Bolinteanu Sorin, Vlase Gabriela, **Circioban Denisa**, Dehelean Cristina, Suta Lenuta Maria, Caunii Angela, Ledeti Adriana, Vlase Titus, Murariu Marius. Evaluation of solid-state thermal stability of donepezil in binary mixtures with excipients using instrumental techniques. J Therm Anal Calorim. 2017. [Award UEFISCDI PN-III-P1-1.1-PRECISI2017-19875](#)
 21. Ledeti Ionut, Bolinteanu Sorin, Vlase Gabriela, **Circioban Denisa**, Ledeti Adriana, Vlase Titus, Suta Lenuta Maria, Caunii Angela, Murariu Marius. Compatibility study between antiparkinsonian drug Levodopa and excipients by FTIR spectroscopy, X-ray diffraction and thermal analysis. J Therm Anal Calorim. 2017. [Award UEFISCDI PN-III-P1-1.1-PRECISI-2017-19360](#)

Timișoara,
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