Curriculum vitae Europass



Personal Information

Last Name / First Name	**Alina Heghes**
Email:	heghes.alina@umft.ro
Nationality:	Romanian

Targeted job / Occupational field

University Professor, PhD, Habilitated, University Chair of Pharmacology, Physiology and Pathophysiology, Faculty of Pharmacy, Department II, Victor Babeş University of Medicine and Pharmacy, Timişoara

Professional experience

Period	28 September 2026- present
Function or position held	University Professor, PhD, Habilitated department of Pharmacology, Physiology and Pathophysiology, Department II
Main activities and responsibilities	Conducting course hours and practical work related to the teaching position. Delivering courses and laboratory work in Pharmaceutical Technology for third-year students of the Faculty of Pharmacy, Romanian and French sections, and for second-year students in Medical Cosmetology and Cosmetic Product Technology. Coordinating bachelor's theses of students in undergraduate programs: Pharmacy, fifth year, Romanian and French sections, and Medical Cosmetology and Cosmetic Product Technology, third year. Coordinating residency in Clinical Pharmacy specialization. Delivering postgraduate training courses and evaluation activities for pharmacists, resident/specialist/chief pharmacists, PhD students, and Doctors of Pharmacy. Scientific research.
Name and address of employer	Victor Babeş University of Medicine and Pharmacy, Timişoara, Faculty of Pharmacy, Pta Murgu Eftimie no. 2, Timișoara 300041, Romania

Period	October 2025- 27 September 2026
Function or position held	Habilitated university lecturer, university department of Pharmacology, Physiology and Pathophysiology, Department II
Main activities and responsibilities	Conducting course hours and practical work related to the teaching position. Delivering courses and laboratory work in Pharmaceutical Technology for third-year students of the Faculty of Pharmacy, Romanian and French sections, and for second-year students in Medical Cosmetology and Cosmetic Product Technology. Coordinating bachelor's theses of students in undergraduate programs: Pharmacy, fifth year, Romanian and French sections, and Medical Cosmetology and Cosmetic Product Technology, third year. Coordinating residency in Clinical Pharmacy specialization. Delivering postgraduate training courses and evaluation activities for pharmacists, resident/specialist/chief pharmacists, PhD students, and Doctors of Pharmacy. Scientific research.
Name and address of employer	Victor Babeş University of Medicine and Pharmacy, Timişoara, Faculty of Pharmacy, Pta Murgu Eftimie no. 2, Timișoara 300041, Romania
ype of activity or sector of activity	Coordinating teaching activities with students in the undergraduate program, as well as scientific research activities as a team member (technical expert)

Period	September 2018 – September 2025
Occupation or position held	University lecturer, Pharmaceutical Technology discipline, Department II

Main activities and responsibilities	Conducting course hours and practical work related to the teaching position. Delivering lectures and laboratory work in the Pharmaceutical Technology course for third-year students of the Faculty of Pharmacy, Romanian and French sections, with second-year students in Pharmacy Assistance in Lugoj, as well as with second-year students in Medical Cosmetology and Cosmetic Product Technology. Coordinating the bachelor's theses of students in the undergraduate programs: Pharmacy, fifth year, Romanian and French sections, Pharmacy Assistance, third year, and Medical Cosmetology and Cosmetic Product Technology, third year. Conducting course and seminar hours, as well as coordinating bachelor's theses in the course EU Legislation on OTCs. Coordinating residency in the Clinical Pharmacy specialization. Delivering postgraduate professional development courses and assessment activities for pharmacists, resident/specialist/primary pharmacists, PhD students, and Doctors of Pharmacy. Scientific research.
Name and address of employer	Victor Babeş University of Medicine and Pharmacy, Timișoara, Faculty of Pharmacy, 2 Eftimie Murgu Square, Timișoara 300041, Romania
Type of activity or sector	Coordinating teaching activities with undergraduate students, as well as scientific research activities as a team member (technical expert)
Period	November 2020-present
Occupation or position held	Clinical pharmacist
Main activities and responsibilities	Providing clinical pharmacy services within the hospital
Name and address of employer	Timisoara Municipal Emergency Hospital, str. Hector no.1, Timisoara, 300041
Type of activity or sector	Health
Period	2014 – 2018
Occupation or position held	Lecturer
Main activities and responsibilities	Conducting lectures and practical work related to the teaching position. Delivering lectures and laboratory work in the Pharmaceutical Technology course for third and fourth-year students of the Faculty of Pharmacy, Romanian and French sections, and for second-year students of the Pharmacy Assistance Lugoj program. Delivering lectures in Pharmaceutical Propaedeutics in the Pharmaceutical Technology course for first-year students of the Faculty of Pharmacy, Romanian and French sections. Delivering lectures in Pharmaceutical Terminology in the Pharmaceutical Technology course for second-year students of the Faculty of Pharmacy, Romanian and French sections. Coordinating the bachelor's theses of students in the undergraduate Pharmacy programs, fifth year, Romanian and French sections, and Pharmacy Assistance third-year students. Conducting lectures and seminars, as well as coordinating bachelor's theses in the course EU Legislation regarding OTCs. Delivering postgraduate training courses and evaluation activities for pharmacists, resident/specialist/chief pharmacists, PhD students, and Doctors of Pharmacy. Scientific research.
Name and address of employer	Victor Babeş University of Medicine and Pharmacy, Timișoara, Faculty of Pharmacy, 2 Eftimie Murgu Square, Timișoara 300041, Romania
Type of business or sector	Coordinating teaching activities with students in the bachelor's program, as well as scientific research activities as a team member (technical expert)
Period	2000 – 2013
Occupation or position held	University Assistant
Main activities and responsibilities	Conducting course hours and practical work related to the teaching position, assisting in the administration of exams, as well as coordinating bachelor's theses
Name and address of employer	Victor Babeş University of Medicine and Pharmacy, Timișoara, Faculty of Pharmacy, 2 Eftimie Murgu Square, Timișoara 300041, Romania
Type of activity or sector	Coordinating teaching activities with students in the undergraduate program, as well as scientific research activities as a team member (technical expert)
Period	1997 – 1999
Occupation or position held	University preparatory

Main activities and responsibilities	Performing practical work related to the teaching position and assisting in exams
Name and address of employer	Victor Babeş University of Medicine and Pharmacy, Timișoara, Faculty of Pharmacy, 2 Eftimie Murgu Square, Timișoara 300041, Romania
Type of activity or sector	Coordinating teaching activities with students in the undergraduate program, as well as scientific research activities as a team member (technical expert)

Education and training

Period	April 2025 - prezent
Qualification / diploma obtained	Habilitation Certificate in Pharmacy
Name and type of educational institution / training provider	Victor Babeş University of Medicine and Pharmacy, Timișoara, Faculty of Pharmacy, 2 Eftimie Murgu Square, Timișoara 300041, Romania
Period	1997 – 2005
Qualification / diploma obtained	PhD
Main subjects studied / professional skills acquired	Pharmaceutical Chemistry / Molecular modeling of compounds with antibacterial and antiviral activity. Study of qualitative relationships between the chemical structure of antibacterial / antiviral compounds and their biological activity. QSAR analysis of quinolone compounds with antibacterial and antiviral activity (especially using the MTD parameter). Evaluation and theoretical design of new quinolone derivative compounds with predicted biological activity.
Name and type of educational institution / training provider	"Iuliu Haţieganu" University of Medicine and Pharmacy Cluj-Napoca
Level in national or international classification	Doctor in Pharmacy
Period	October 2017- Iunie 2019
Qualification / diploma obtained	Master's degree
Main subjects studied / professional skills acquired	Phytopharmaceutical Biotechnologies
Name and type of educational institution / training provider	Banat University of Agricultural Sciences and Veterinary Medicine Timişoara
Period	2008 – prezent
Qualification / diploma obtained	Primary Pharmacist, Clinical Pharmacy specialty
Main subjects studied / professional skills acquired	Pharmacology, Pharmaceutical Technology, Biochemistry, Pharmaceutical Chemistry / Assisted hospital medical act in the administration of certain pharmaceutical forms
Name and type of educational institution / training provider	U.M.F. "Victor Babeş" Timişoara, Faculty of Pharmacy
Level in national or international classification	Primary Pharmacist in the specialty of Clinical Pharmacy
Period	1999 – 2008
Qualification / diploma obtained	Pharmacist Specialist in the specialty of Clinical Pharmacy
Main subjects studied / professional skills acquired	Pharmacology, Pharmaceutical Technology, Biochemistry, Pharmaceutical Chemistry / Counseling patients in closed and open circuit pharmacies, regarding the administration method and possible adverse effects of drugs
Name and type of educational institution / training provider	"Victor Babeş" University of Pharmacy, Timişoara, Faculty of Pharmacy
Level in national or international classification	Clinical Pharmacy Specialization
Period	1997 – 1999
Qualification / diploma obtained	Resident Pharmacist in the specialty of Clinical Pharmacy

Main subjects studied / professional skills acquired	Specialty training curriculum
Name and type of educational institution / training provider	"Victor Babeş" University of Pharmacy, Timişoara, Faculty of Pharmacy
Level in national or international classification	Rezidecy
Period	2012 – 2013
Qualification / diploma obtained	Master's Degree / Advanced Studies Diploma
Main subjects studied / professional skills acquired	Anatomy and Pathology in Geriatrics, Pharmacology, Pharmacognosy, Pharmaceutical Technique, Pharmaceutical Chemistry / Counseling the Elderly on the Administration and Possible Drug Interactions
Name and type of educational institution / training provider	"Victor Babeş" University of Pharmacy, Timişoara, Faculty of Pharmacy
Level in national or international classification	Postgraduate studies
Period	2000 – 2001
Qualification / diploma obtained	Master's degree / Advanced Studies Diploma
Main subjects studied / professional skills acquired	Gene mapping method, Physiological stress in in vitro cultures, Plant gene transfer technology / Laboratory activities on in vitro plant multiplication and genetic manipulation in various agricultural and horticultural species
Name and type of educational institution / training provider	Banat University of Agricultural Sciences and Veterinary Medicine in Timişoara, Faculty of Horticulture, Specialization in Biotechnology and genetic engineering in plants
Level in national or international classification	Postgraduate studies
Period	1998 – 2000
Qualification / diploma obtained	Student / Bachelor's degree
Main subjects studied / professional skills acquired	Genetics and Evolutionism, Comparative Anatomy, Microbiology, Histology and Embryology, Invertebrate Zoology, Plant Physiology / Teaching and laboratory activities in the field of biology
Name and type of educational institution / training provider	Banat University of Agricultural Sciences and Veterinary Medicine in Timişoara, Faculty of Agriculture, Specialization in Biology – Agricultural Sciences
Level in national or international classification	License degree in Biology – Agricultural Sciences
Period	1991 – 1996
Qualification / diploma obtained	Student / Bachelor's degree
Main subjects studied / professional skills acquired	Pharmaceutical Chemistry, Pharmaceutical Technology, Pharmacodynamics / Laboratory activities regarding the preparation / manufacture of drugs as well as ensuring quality and preservation conditions
Name and type of educational institution / training provider	U.M.F. "Victor Babeş" Timişoara, Faculty of Pharmacy
Level in national or international classification	Bachelor of Pharmacy

Personal skills and competences

Mother language(s): romanian

Foreign language(s) known

Self-assessment / *European level (*)*

	Understanding				Speaking				Writing	
	Listening		Reading		Participating in the conversation		Oral speech		Written expression	
French	C1	Indepenendent user	C1	Independent user	C1	Independent user	C1	Independent user	C1	Independent user
English	B2	Independent user	B1	Independent user	B2	Independent user	B1	Independent user	B1	Independent user

(*) Common European Framework of Reference for Languages Level

Social Skills and Abilities

- Communication at the university level and at the level of any environment;
- Qualities and skills to easily establish and cultivate personal relationships and to be an agreeable interlocutor;
- General knowledge, interpersonal skills and self-control;
- Spontaneity in action and adaptability to new situations;
- Teamwork ability, willingness to work overtime, responsibility, sincerity and seriousness..

Organizational Skills and Abilities

- Prioritization of activities, organizational spirit, member of various committees for job placement, promotion, examination of candidates registered for the specialist/primary pharmacist exam (specialty Clinical Pharmacy).
- Coordination of students' activities in practical work and in bachelor's theses.

These skills were acquired during the pedagogical module, carried out during the undergraduate study program and during the 27 years of activity within the Faculty of Pharmacy

Technical Skills and Abilities

- Knowledge of the aspects of formulation, preparation and physico-chemical and pharmacotechnical evaluation of conventional and modern pharmaceutical forms
- Use of certain types of technical equipment and laboratory equipment in the field of Pharmaceutical Technology.

Computer Skills and Abilities

- Use of the computer (Word, Excel, PowerPoint, Visio), specialized data analysis software (Statistics) and graphics software (Paint, Corel Draw)

Other Skills and Abilities

Hobbies: traveling, reading, music

- Member of the research team of the contract HURO/0801/143 within the Hungary-Romania Cross-Border Cooperation Program 2007-2013
- Member of scientific and professional societies (associations): -
  College of Pharmacists of Romania;
  -Romanian Association of Clinical Pharmacists
  –Society of Pharmaceutical Sciences in Romania;
  -Romanian Society for the Study of Chemotherapy;
  -Association for Multidisciplinary Research in the Western Area of Romania.
- Member of the permanent committees of the Faculty of Pharmacy:
  - Continuing Education and Residency Committees
  - Education Quality Assessment and Assurance Committee

  – Advisory Committee on Ethics and Professional Deontology

Driving license(s): Category B

Additional information

Full-text publications in high-impact journals

1. **Heghes, A**; Soica, CM; Ardelean, S; Ambrus, R; Muntean, D; Galuscan, A; Dragos, D; Ionescu, D; Borcan, F. Influence of emulsifiers on the characteristics of polyurethane structures used as drug carrier. CHEM CENT J 7, Article Number: 66 DOI: 10.1186/1752-153X-7-66 Published: APR 10 2013, **FI=3.28/2011**
2. Adriana Fuliaş, Gabriela Vlase,Titus Vlase,Codruţa Soica, **Alina Heghes**, Marius Craina, Ionuţ Ledeti. Comparative kinetic analysis on thermal degradation of some cephalosporins using TG and DSC data. Chemistry Central Journal, 2013, 7:70 (17 April 2013); **FI=3.28/2011**
3. **Alina Heghes**¸ Nicoleta G. Hadaruga, Adriana-Violeta Fulias¸ • Geza N. Bandur , Daniel I. Hadaruga , Cristina-Adriana Dehelean. Capsicum annuum extracts/b-cyclodextrin complexes, Thermal analyses—Karl Fischer water titration correlations and antioxidant activity, J Therm Anal Calorim, DOI 10.1007/s10973-014-4229-x, Received: 15 August 2014 / Accepted: 3 October 2014, ISSN 1388-6150, **FI=2,00/2014.**
4. Adina Octavia Duse, Delia Berceanu Vaduva, Mirela Nicolov, Cristina Trandafirescu, Marcel Berceanu Vaduva, Mariana Cevei, **Alina Heghes**, Biostatistical Analysis and Possible Forecasting of Relationship, Between Uric Acid and Specific Laboratory Tests in Cases of Gouty Arthritis, Revista de Chimie, 68(6) ,2017, 1332-1339, FI=**1.232/2017**.
5. **Alina Heghes**, Mirela Nicolov, Adina Octavia Duse, Dan Dragos , Zoltan Zsabadai, Sorin Bolintineanu, Daniela Marti, Hartman Perdok Method Applied to A2BSi2O7 and AB2O6 Types of Microcrystals and the Concept of Fractional Charges, Revista de Chimie, 68(4) ,2017, 742-744, **FI=1.232/2017.**
6. Alina Andreea Tischer (Tucuina), Delia Berceanu Vaduva, Nicolae Balica, **Alina Heghes**, Adelina Cheveresan, Mirela Voicu, Delia Horhat, Horatiu Cristian Manea, Marioara Poenaru. Antimicrobial Activity of Biosynthesized Silver Nanoparticles Compared to Standard Antibiotics Used in ORL Infections. Revista de Chimie ,70(7), 2019, 2571-2573. **FI=1.755/2019.**
7. ALINA-ARABELA JOJIC, ALEXANDRA-DENISA SEMENESCU, IASMINA PREDESCU , GEORGE ANDREI DRĂCHICI, DELIA MUNTEAN, FLORINA ARDELEAN, GRAȚIANA RUSE, ARMAND GOGULESCU , IRINA ȘOICA, **ALINA HEGHEȘ** , DIANA-SIMONA TCHIAKPE-ANTAL. JUNIPERI GALBULUS: SCREENING OF PHYTOCHEMICALS AND BIOACTIVITY INVESTIGATION OF THE AQUEOUS EXTRACT. FARMACIA, 2024, Vol. 72, 4, 934-945.
8. Georgiana Moise, Alex-Robert Jîjie , Elena-Alina Moacă, Iasmina-Alexandra Predescu, Cristina Adriana Dehelean, **Alina Heghes**, Daliborca Cristina Vlad, Roxana Popescu and Cristian Sebastian Vlad. Plants' Impact on the Human Brain—Exploring the Neuroprotective and Neurotoxic Potential of Plants. Pharmaceuticals 2024, 17, 1339, 2-41.
9. GRAȚIANA RUSE, DIANA-SIMONA TCHIAKPE-ANTAL, ELENA-ALINA MOACĂ, ALEXANDRA-DENISA SEMENESCU, ANA-MARIA VLASE, DELIA MUNTEAN, FLORINA ARDELEAN , ALINA-ARABELA JOJIC, VOICU MIRELA ADELINA CHEVEREȘAN , ALINA HEGHEȘ. EVALUATION OF ANTI-MELANOMA, ANTIBACTERIAL AND ANTIOXIDANT EFFECTS OF A PHYTOCHEMICALLY CHARACTERIZED WATER-SOLUBLE FRACTION FROM GREEN COFFEE SEEDS. 2024, Vol. 72, 6, 1261-1272.
10. Marius Mioc, Sorin Avram, Andrei Branco Tomescu, Daniela Veronica Chiriac, **Alina Heghes**, Mirela Voicu, Adrian Voicu, Cosmin Citu, Ludovic Kurunczi, Docking Study of 3-mercapto-1,2,4-triazole Derivatives as Inhibitors for VEGFR and EGFR, Revista de Chimie, 68(3) ,2017, 500-503, **FI=1.232/2017.**
11. Diana Maria Morariu-Briciu, Sorin Lucian Bolintineanu, Andreea Rata, Alexandra Denisa Semenescu, Alina Anton, Robert Jijie, Andreea Kis, Ingrid Hrubaru, Alina Heghes. Assessment of the biosafety profile of Galium verum in vitro on myoblasts and in ovo on chorioallantoic membrane. World J Cardiol 2025 February 26; 17(2): 102310 DOI: 10.4330/wjc.v17.i2.102310 ISSN 1949-8462 (online).
12. Adriana Fuliaş, Ionuţ Ledeţi, Gabriela Vlase, **Alina Hegheş**, Mihai Bilanin, Titus Vlase, Dorina Gheorgheosu, Marius Craina, Simona Ardelean, Călin Popoiu, Otilia Mărginean, Liana Moş. Thermal behaviour of procaine and benzocaine Part II: compatibility study with some pharmaceutical excipients used in solid dosage forms. Chemistry Central Journal, **ISSN** 1752-153X, 2013, 7:140. **FI=3.28/2011**
13. Iulia Pinzaru, **Alina Heghes**, Daniela Marti, Cristina Dehelean, Dorina Coricovac, Alina Moaca, Mihaela Moatar, Dorin Camen, Therapeutically Potential of Medicago sativa Extracts Chemical and in vitro assessments, Revista de Chimie, 69(1) ,2018, 121-124, **FI=1.412/2018.**
14. Nicolov, M; **Heghes, A**; Petre, I; Mederle, OA. Theoretical and Experimental Analysis of SiO2 - a Proof of Hartman Perdok Method. Revista de chimie, 2018, Volume: 69, Issue: 4, Pages: 948-951, **FI=1.412/2018.**

15. Lucian Nita, Dorin Tarau, Simona Nita, **Alina Heghes**, Radu Bertici, Daniel Dicu. Soil Quality in the Poganis, Ramnei and Doclin Hills Measures of improvement. Revista de Chimie , 70(7),2019, 2463-2470. **FI=1.755/2019.**
16. Proks, M; **Heghes, A**; Cheveresan, A; Nita, S; Voicu, M; Buda, V; Ionescu, D; Nita, L; Trandafirescu, C; Paunescu, V. Thyme Leaves Aqueous Extract and its Formulations A comparative study based on chemical structures and biological activity. REVISTA DE CHIMIE, 2019, Volume: 70, Issue: 5, Pages: 1875-1878. **FI=1.755/2019.**
17. Ovidiu Boruga, Germaine Savoiu, Elena Hogea, **Alina Heghes,** Elena Voichita Lazureanu. Correlation Between High- sensitivity C-reactive Protein and Intima Media Thickness in Patients with Coronary Artery Diseases and Essential Hypertension, Revista de Chimie, Bucuresti, 66 (10), 2015, 2522-2525, **FI=0,956/2016.**
18. Florina Stoica, Daniela Ionescu, **Alina Heghes**, Cristina Trandafirescu, Nicoleta Andreescu, Anca Tudor, Sebastian Olariu, Alina Stanciu, Mihaela Galea, Maria Puiu. Vascular Endothelial Growth Factor Gene Polymorphism -Susceptibility Predictor for Severe Retinopathy of Prematurity? , Revista de Chimie, 67(12) ,2016, 1651-1654, **FI=1.232/2016.**
19. Iftode, A; Marti, TD; Voicu, M; Simu, S; Heghes, A; Borcan, F; Motoc, A. Evaluation of a Skin Carcinoma Xenograft Mice Model Supplemented by Chemical Immunosuppression. REVISTA DE CHIMIE, 2017, Volume: 68, Issue: 9, Pages: 2098-2101
20. MADEUS DOBRESCU, LAURIAN STOICA, MIHAI MITULETU, ALEXANDRU ISAIC, CIPRIAN DUTA, GABRIEL VERDES, CRISTI TARTA, **ALINA HEGHES,** LAZAR FULGER. Metabolic and Weight Changes After Bariatric Surgery in a Rat Model of Induced Type 2 Diabetes Mellitus and Obesity. Revista de Chimie 69(4) ,2018, 1030-1033, **FI=1.412/2018.**
21. Mihai A. Medeleanu , Daniel I. Hadaruga, , Cornelia V. Muntean, Gabriela Popescu, Maria Rada , **Alina Heghes**, Simelda E. Zippenfening , Christine A. Lucan (Banciu) , Ariana B. Velciov , Geza N. Bandur , Nicoleta G. Hadarug, Mircea Rivis. Structure-property relationships on recrystallized β-cyclodextrin solvates: A focus on X-ray diffractometry, FTIR and thermal analyses. Carbohydrate Polymers, 265, 2021, 118079
22. LAVINIA MELANIA BRATU, IASMINA MARCOVICI , IOANA MACASOI, ANIKO MANEA, BOGDAN NICULESCU , FLAVIUS OLARU, **ALINA HEGHES,** CRISTINA DEHELEAN , DORINA CORICOVAC. IN VITRO INSIGHTS REGARDING THE ROLE OF MELANIN IN MELANOMA CELLS' RESPONSE TO BETULINIC ACID TREATMENT. Revista FARMACIA, 2022, Vol. 70, 1, 8-16.

'apers published in refereed journals
nd conference proceedings (not
ndexed)

23. **Alina Hegheş**, Doina Ghiran, D. I. Hădărugă, D. Ciubotariu: Derivaţi 6-aminochinolonici cu activitate anti HIV. O abordare MTD, Craiova Medicală, 2004, 2(6), 351-355 (ISSN: 1454-6876).
24. **Alina Hegheş**, Doina Ghiran, Nicoleta G. Hădărugă, Corina Seiman, D. I. Hădărugă, D. Ciubotariu: Quinolone derivatives with antibacterial activity. A MTD approach, *Revista de Medicină şi Farmacie*, Lucrările simpozionului Farmaceutica Marisiensis, Tg. Mureş, 7-9 octombrie 2004, 50, Supl.II, 154-158.
25. Dan Dragoş, **Alina Hegheş**, Mihai Medeleanu, Vincenţiu Vlaia, Corina Seiman, Adriana Kaycsa, Dan Ciubotariu: Topological similarity / dissimilariry indicators: application to cytochrome P450 inhibition by alcohols, Timişoara Medicală, ISSN: 1583-5251 , **revistă categoria B+, indexată BDI,** 2004, 2(54) aprilie-iunie, 128-134.
26. Corina Duda-Seiman, D. Duda-Seiman, **Alina Hegheş**, R. Nuţiu, D. Ciubotariu, Nicoleta Suceveanu: Modelarea compuşilor pirimidinici cu activitate anti-HIV, Revista de Medicină şi Farmacie, Lucrările simpozionului Farmaceutica Marisiensis, Tg. Mureş, 7-9 octombrie 2004, 50, Supl.II, 144-149.

27. **Alina Hegheş**, Cristina Dehelean, Nicoleta G. Hădărugă, Doina Ghiran, D. I. Hădărugă, Dan Ciubotariu: Using the chemometric tools for the structure – activity relation study on the antiherpetic aminoquinolone derivates, Timişoara Med. J. (TMJ), ISSN: 1583-5251, **revistă categoria B+, indexată BDI** ,2005**,** 55, Supplement 5, 86 -90.

28. **Alina Hegheş**, D. I. Hădărugă, Nicoleta Hădărugă, Georgeta Coneac**,** Doina Ghiran, Dan Ciubotariu, Aplicarea metodei MTD pentru studiul activităţii antibacteriene pe *Streptococcus faecalis* LEP Br în seria unor 6-aminochinolone. Craiova Medicală, 2006, 8(1): 267-272.

29. **Alina Hegheş**, Nicoleta G. Hădărugă, Doina Ghiran, D. I. Hădărugă, Dan Ciubotariu: 6 – Aminoquinolone derivatives with antibacterial activity against gram-positive bacteria (*Staphylococcus aureus* MPR5). A MTD approach, Timişoara Med.J. (TMJ), ISSN: 1583-5251, **revistă categoria B+, indexată BDI,** 2006, 56, Supplement 2, 377 -381.

30. L. Urşica, V. Vlaia, G. Coneac, L.-M. Miclea, **A. Hegheş**, I. Olariu. Study on the influence of some formulation variables and ageing on $W_1/O/W_2$ double emulsions stability by rheological measurements, Farmacia, LVII(1), 2009, 65-73. ISSN 0014-8237, **IF 0,144** ISI Thomson Reuters, revistă categoria A, indexată SCOPUS/ELSEVIER, IPA

31. L. Vlaia, V. Vlaia, I. Olariu, **A. Hegheş**, L.-M. Miclea, G. Coneac**.** Evaluarea stabilităţii termice a unor emulsii duble H/L/H cu piroxicam prin determinări reologice. Rev Med Chir Soc Med Nat Iaşi. ISSN 0048-7848, **revistă categoria B+, indexată MEDLINE,** 2009; 3(113): 921-926.

32. Lavinia Vlaia**,** V. Vlaia, Lenuţa-Maria Miclea, Geogeta Coneac, Ioana Olariu, **Alina Hegheş** – *Evaluarea stabilităţii fizice în timp a unor emulsii duble H/L/H conţinând 1% piroxicam prin determinări reologice*, Practica farmaceutică, ISSN 2066-5563, 2009, vol. 2, nr. 1-2, 16-21;

33. Cristina Elena Toţa**,** Nicoleta Gabriela Hadaruga, Gheorghe Poşta, Viorel Berar, **Alina Heghes**, Laura Corpas, Daniel Ioan Hadaruga. Flavoring compounds from tomato hybrids grown in Banat country (Romania). Journal of Agroalimentary Processes and Technologies. **revistă categoria B+, indexată BDI**. 2011; 17(1): 7 – 14.

34. Cristina Elena Tota**,** Nicoleta Gabriela Hadaruga, Gheorghe Posta, Viorel Berar**, Alina Heghes,** Camelia Moldovan, Daniel Ioan Hadaruga. Antioxidant activity of tomato hybrids: correlation with the fertilizer used in crop. Journal of Agroalimentary Processes and Technologies. **revistă categoria B+, indexată BDI**. 2011; 17(1): 20 – 24.

35. **Alina Hegheş**, Cristina Trandafirescu, Camelia Sass (Oprean), Simona Ardelean, Florin Borcan. Analiysis of synthetised steroid dimers based on the structure of pentacyclic triteroenes. Fiziologia – Physiology **revistă categoria B+, indexată BDI** ,2012. 23.3 (75): 19-23.

36. Camelia Sass, Florina Bojin, **Alina Hegheş**, Atena Găluşcan, Virgil Păunescu. Oleanolic and ursolic acid in human skin cancer – a preliminary in vitro comparative study. Fiziologia – Physiology **revistă categoria B+, indexată BDI,** 2012. 23.3 (75): 30-33.

37. **Alina Hegheş**, Cristina Trandafirescu, Simona Ardelean, Florin Borcan. Novel technique for determination of toxicological character of synthesized drug carriers. Journal of Agroalimentary Processes and Technologies. **revistă categoria B+, indexată BDI,** 2013; 19(1): 22-27.

38. **Alina Hegheş**, Cristina Trandafirescu, Simona Ardelean, Florin Borcan. The obtaining and the technique for evaluation of some natural extracts used in cosmetics. Journal of Agroalimentary Processes and Technologies. **revistă categoria B+, indexată BDI,** 2013; 19(1): 10-15.

39. Georgeta Coneac, Carmen Gafiţanu, Monica Creţan Stamate, Lavinia Vlaia, Daniel Hădărugă, Ioana Olariu, Lenuţa-Maria Miclea, **Alina Hegheş**, *Dezvoltarea unor comprimate orale mucoadezive* conţinând complecşi de incluziune ai unor ciclodextrine cu extracte de propolis bogate în crizol, Practica farmaceutică, 2013, vol. 6, nr. 2, 110-117.

Selected papers in conference proceedings

40. FLAVIA BOCIORT, CARMEN NICOLETA CRISAN, RAZVAN DRAGOI1, **ALINA HEGHES,**ANDREI MOTOC. Green and Synthetic Metallic Nanoparticles - Obtaining, Char-acterization and Biological Evaluation in Association with Lupeol. Revista de Chimie, 71 (5), 2020, 299-304.

41. BOGDAN SOROP, VLAD LAURENTIU DAVID, **ALINA HEGHES**, DELIA BERCEANU-VADUVA, LAVINIA BALAN, MARIA SOROP FLOREA, DORU ANASTASIU. Folates and anti-folates – chemical perspectives, in vitro and in ovo assessments. Revista de Chimie, 71 (7), 2020, 481-490.

42. Irina Sferdian, **Alina Berar**, Laura Regep, A. Grozav, G. Balea, D. Ciubotariu, Georgeta Lupuțiu: Modelarea moleculară a unor fenil – quinazolinon thiosemicarbazone cu proprietăți antiinflamatoare, Al XI –lea Congres Naţional de Farmacie, Iași, 8 – 10 oct. 1998, 107.

43. **Alina Berar,** Z. Simon, A. Grozav, G. Balea, D. Ciubotariu, Georgeta Lupuțiu: Studiul QSAR asupra derivaților 6-amino-quinolon-3-carboxilici cu activitate antibacteriană, Al XI –lea Congres Naţional de Farmacie, Iași, 8 – 10 oct. 1998, 117.

44. **Alina Berar**, Cristina Trandafirescu, M. Pasere, A. Grozav, D. Ciubotariu, G. Lupuțiu: Aplicarea metodei MTD și a modelării moleculare pentru studiul activității antibacteriene în seria unor chinolone tetraciclice condensate cu tiazolopirazine, Prima conferinta nationala de chimioterapie antimicrobianA, antifungica si antivirala, Iasi 23-24 septembrie 1999, 139-140.

45. Cristina Trandafirescu, **Alina Berar**, A. Grozav, M. Pasere, , D. Ciubotariu, G. Lupuțiu: Studii cantitative structură chimică – activitate biologică (QSAR) în clasa unor compuși ciclambiciclam conjugați cu azot, cu activitate antihiv, Prima conferinta nationala de chimioterapie antimicrobianA, antifungica si antivirala, Iasi 23-24 septembrie 1999, 150-151.

46. D. Ciubotariu, D. Dragoş, C. Ciubotariu, M. Pasere, D. Tiţa, V. Vlaia, Corina Seiman, M.Olah, Lavinia Urşica, **Alina Hegheş**: Utilizarea proiectării medicamentului în practica industrială, Al XII –lea Congres Naţional de Farmacie, Bucureşti, 17 – 19 oct. 2002, 99 – 100.

47. **Alina Hegheş**, M. Pasere, M. Olah, Corina Seiman, D. Ciubotariu: Utilizarea tehnicilor chemometrice pentru studiul QSAR al unei serii de 6-aminochinolone cu acţiune antibacteriană, Al XII –lea Congres Naţional de Farmacie, Bucureşti, 17 – 19 oct. 2002, 101 – 102.

48. Vlaia Vicentiu, Marian Pasere, Mihai Medeleanu, Dumitru Tita, Dan Dragos, **Alina Heghes**, Lidia Izvernariu, Dumitru Tita si Dan Ciubotariu: Indici topologici de similaritate / disimilaritate; analiza QSAR a toxicităţii a unei serii de amine alifatice, A XXVII-A Conferinţă Naţională de Chimie, Călimăneşti- Căciulata, 23-25 octombrie, 2002, 57.

49.**Alina Hegheş**, Anca Dragomirescu, Corina Seiman, Cristina Dehelean, Anca Dragomirescu, Doina Ghiran, Dan Ciubotariu: Aplicarea metodei MTD şi a modelării pentru studiul activităţii antibacteriene în seria unor 7-azetidinilchinolone, A-II-A Conferinţă Naţională Antifungică şi Antivirală, Iaşi, 13-15 noiembrie, 2002, 147-148.

50.**Alina Hegheş**, Corina Seiman, Cristina Dehelean, Doina Ghiran: Prospectări moderne în seria cefalosporinelor, A-II-A Conferinţă Naţională Antifungică şi Antivirală, Iaşi, 13-15 noiembrie, 2002, 260-261.

51.**Alina Hegheş**, Corina Seiman, Doina Ghiran, Dan Ciubotariu: Application of the MTD method and molecular modelling to the study of antibacterial activity of a series of 6-aminoquinolones, Conference on the Interfaces among mathematics, chemistry and computer sciences, Math/Chem/Comp/2003, Croaţia, 23-28 iunie, 2003, 33.

52.**Alina Hegheş**, Cristina Dehelean, Codruţa Soica, Doina Ghiran, D. Hădărugă, D. Ciubotariu: Studii cantitative structură chimică – activitate biologică (QSAR) în seria 6-aminochinolonelor cu activitate antivirală, Zilele U.M.F.Craiova, Ediţia a-XXXIV-a, ISBN 973-7757-15-7, Craiova, Ed. Medicală Universitară, 4-5 iunie, 2004, 273.

53. **Alina Hegheş**, Corina Seiman, Codruţa Soica, Doina Ghiran, Daniel I. Hădărugă, Dan Ciubotariu: Derivaţi 6-aminochinolonici cu activitate antibacteriană (germeni gram-pozitivi). Metoda MTD, A-III-a Conferinţă Naţională de Chimioterapie Antibacteriană, Antifungică şi Antivirală, Iaşi, ISBN 973-7960-46-7, 3-5 noiembrie, 2004, 125-126.
54. **Alina Hegheş**, Corina Seiman, Cristina Dehelean, Doina Ghiran, Daniel I. Hădărugă, Dan Ciubotariu: Utilizarea tehnicilor chemometrice pentru studiul QSAR al unor derivaţi 6-aminochinolonici cu activitate antiherpetică (HSV-1), A-III-a Conferinţă Naţională de Chimioterapie Antibacteriană, Antifungică şi Antivirală, Iaşi, ISBN 973-7960-46-7, 3-5 noiembrie, 2004, 127-128.
55. **Alina Hegheș**, Nicoleta G. Hădărugă, Doina Ghiran, D.I. Hădărugă, D. Ciubotariu: Chemometric tools for study QSAR of 6-aminoquinolones derivatives with antibacterial activity (Staphylococcus epidermidis HCF Berset c, Staphylococcus epidermidis CPHL A2), AI – XIII- lea Congres Naţional de Farmacie, cu participare internaţională, Cluj-Napoca, 28-30 septembrie 2006,33.
56. Lavinia Urşica, Vicenţiu Vlaia, Georgeta Coneac, Lenuţa-Maria Miclea, **Alina Hegheş**, Ioana Olariu, *Influence of some formulation variables and ageing on the stability of W/O/W double emulsions evaluated by rheological measurements*, Simpozionul farmacia astăzi, între promovare şi cercetare, ed. a-II-a, Timişoara, 24-26 septembrie 2008;
57. Georgeta Coneac, Eliza Gafiţanu, Lavinia Vlaia, Daniel Hădărugă, Ioana Olariu, Lenuţa-Maria Miclea, **Alina Hegheş**, *The study of oral mucoadhesive tablets containing inclusion complexes between chrysine-rich propolis extracts and some cyclodextrines,* Acta Medica Marisiensis, ISSN 2068-3324, 56(2), 2010, pg. 84;
58. Lavinia Vlaia, Zoltán Szabadai, Ioana Olariu, Georgeta Coneac, Lenuţa-Maria Miclea, **Alina Hegheş**, Dumitru Lupuleasa, *The study of lidocaine hydrogels based on carbomer,* Acta Medica Marisiensis, ISSN 2068-3324, 56(2), 2010, pg. 78;
59. Lavinia Vlaia, Lenuța – Maria Șuta, Vicențiu Vlaia, Ioana Olariu, Cornelia Ilie, Georgeta Coneac, **Alina Hegheș**: Dezvoltarea și evaluarea unor noi microemulsii-gel pentru eliberarea dermică a clorhidratului de propanolol, Simpozionul Naţional de Farmacie „*Actualități si perspective în cercetarea farmaceutică*", ISBN 978-606-11-2833-4, Craiova, 26-28 septembrie 2012,39-40.
60. Georgeta Coneac, Vlaia L., Vlaia V., Șuta L.-M., Tandafirescu Cristina, **Hegheș A**.: Studiul solubilității fluconazolului în amestecuri de cpolietilenglicol 400, propilenglicol și apă, Simpozionul Naţional de Farmacie „*Actualități si perspective în cercetarea farmaceutică*", ISBN 978-606-11-2833-4, Craiova, 26-28 septembrie 2012,56-57.
61. Olariu I., Vlaia L., Șuta L.-M., Coneac G., **Hegheș A**., Vlaia V.: Analiza proprietăților reologice ale unor organogeluri hidrofile pe bază de carbopol, , Simpozionul Naţional de Farmacie „*Actualități si perspective în cercetarea farmaceutică*", ISBN 978-606-11-2833-4, Craiova, 26-28 septembrie 2012,73-74.
62. Ionut Ledeti, Gabriela Vlase, Titus Vlase, **Alina Heghes**, Laura Sbârcea, Adriana Fulias. Compatibility study of immunosuppressive agent methotrexate with some pharmaceutical excipients, 3rd World Conference on Physico Chemical Methods in Drug Discovery and Development, September 20-26, 2013, Dubrovnik, Croatia, Abstract Book, poster 28, p. 66.
63. **Alina Hegheş**, Cristina Dehelean, Lenuţa Maria Şuta, Nicoleta G. Hădărugă, Adriana Fuliaş, Daniel I. Hădărugă: Activitatea antioxidanta a extractelor de CAPSICUM si a compusilor cu β-ciclodextrina AI – XV- lea Congres Naţional de Farmacie, cu participare internaţională, Iasi, octombrie 2014,33

Books and chapters in published books

1. Vlaia L, Lupuleasa D, Coneac G, **Hegheş A**, Miclea LM, Olariu I. Prepararea medicamentelor: baze practice. Vol. I. Timişoara: Editura Mirton 2009. ISBN 978-973-52-0636-9.
2. Vlaia L, Lupuleasa D, Coneac G, **Hegheş A**, Olariu I, Miclea LM. La preparation de medicaments: fondements pratiques. Vol. I. Timişoara: Editura Mirton 2009. ISBN 978-973-52-0685-7.
3. Anca Dragomirescu, **Alina Hegheș**, Cristina Dehelean Izoflavonele estrogen-mimetice, chimia compușilor, farmacodinamie, toxicology, Ed. Brumar, Timișoara, 2003, 150p, 973-602-031-2

Chapters in treatises (authors, title of article, Publisher, year, page, ISBN)

1. **Alina Hegheş**, Corina Seiman, Cristina Dehelean, Doina Ghiran, D.Ciubotariu Chimioterapia antibacteriană, antifungică şi antivirală actuală . Aplicarea metodei MTD şi a modelării moleculare pentru studiul activităţii antibacteriene în seria unor 7-azetidinilchinolone. Ed. Casa Cărţii de ştiinţă, Cluj-Napoca, 2003, 111-118, 973-686-481-2
2. **Hegheş A**., Dragoş D., Urşica L., Trandafirescu C., Pasere M., Ciubotariu D.:, Actualităţi în practica farmaceutică, Quantitative treatment of steric effects in QSAR studies, Ed. Universităţii din Oradea, 7 noiembrie, 2002, 19 – 33, 973-9032-17-6

Timişoara,

Signature,