



Curriculum vitae Europass



Personal Information

Last Name / First Name **Alina Hegheș**
 Email heghes.alina@umft.ro
 Citizenship romanian

Targeted job / Occupational field

Associate Professor, Département de pharmacologie, physiologie et physiopathologie, Faculty of Pharmacy, Department II, U.M.F. "Victor Babeș" Timișoara

Professional experience

Period October 2025- present

Function or position held Associate Professor, Department of Pharmacology, Physiology and Pathophysiology, Department II

Main activities and responsibilities Carrying out classes and practical work related to the teaching position Supporting Pharmaceutical Technology courses and laboratory work for third-year students of the Faculty of Pharmacy, Romanian and French departments, with second-year students from Medical Cosmetics and Cosmetic Product Technology. Coordination of undergraduate theses of students from undergraduate Pharmacy university study programs year V, Romanian and French sections, and Medical Cosmetics and Cosmetic Product Technology year III. Coordination of residency in the Clinical Pharmacy specialization. Support of postgraduate training courses and evaluation activities for pharmacists, resident pharmacists/specialists/ primaries, doctoral students, doctors of Pharmacy Scientific research

Name and address of employer UMF "Victor Babeș" Timișoara, Faculty of Pharmacy, Pta Murgu Eftimie no. 2, Timișoara 300041, Romania

Type of activity or sector of activity

Coordination of 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 Associate Professor, Pharmaceutical Technology discipline, Department II

Main activities and responsibilities Performing course hours and practical work related to the teaching position Supporting courses and laboratory work in the Pharmaceutical Technology discipline for third-year students of the Faculty of Pharmacy, Romanian and French departments, with second-year students of Pharmacy Assistant Lugoj, respectively with second-year students of Medical Cosmetics and Cosmetic Product Technology. Coordinating the bachelor's theses of students from the undergraduate study programs Pharmacy, year V, Romanian and French departments, Pharmacy Assistant, year III and Medical Cosmetics and Cosmetic Product Technology, year III. Conducting course and seminar hours, as well as coordinating undergraduate theses in the discipline EU Legislation on OTCs Coordinating residency in the specialization Clinical Pharmacy Supporting postgraduate training courses and evaluation activities for pharmacists, resident pharmacists/specialists/primaries, PhD students, Doctors of Pharmacy

Scientific research

Name and address of employer U.M.F. „Victor Babeș” Timișoara, Faculty of Pharmacy, Pta Murgu Eftimie nr. 2, Timișoara 300041, Romania

Type of activity or sector	Coordination of teaching activities with students in the bachelor's program, as well as scientific research 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	Head of works
Main activities and responsibilities	Carrying out classes and practical work related to the teaching position Supporting courses and laboratory work in the Pharmaceutical Technology discipline for third and fourth year students of the Faculty of Pharmacy, Romanian and French sections, with second year students Pharmacy Assistant Lugoj Supporting Pharmaceutical Propaedeutics courses in the Pharmaceutical Technology discipline for 1st year students of the Faculty of Pharmacy, Romanian and French departments Supporting Pharmaceutical Terminology courses in the discipline of Pharmaceutical Technology for the second year students of the Faculty of Pharmacy, Romanian and French sections Coordination of the bachelor's theses of the students of the university study programs Pharmacy, year V, Romanian and French sections, Pharmacy Assistant, year III Conducting lectures and seminars, as well as coordinating the bachelor's theses in the discipline EU Legislation on OTCs Supporting postgraduate courses and evaluation activities for pharmacists, resident pharmacists/specialists/primaries, PhD students, Doctors of Pharmacy
	Scientific research
Name and address of employer	U.M.F. "Victor Babeş" Timișoara, Faculty of Pharmacy, Pta Murgu Eftimie nr. 2, 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	Performing classes and practical work related to the teaching position, assisting in exams and coordinating bachelor's theses
Name and address of employer	U.M.F. "Victor Babeş" Timișoara, Faculty of Pharmacy, Pta Murgu Eftimie nr. 2
Type of activity 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	1997 – 1999
Occupation or position held	University Trainer
Main activities and responsibilities	Performing practical work related to the teaching position and assisting in exams
Name and address of employer	U.M.F. "Victor Babeş" Timișoara, Faculty of Pharmacy, Pta Murgu Eftimie nr. 2
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 Babes" University of Medicine and Pharmacy, Timișoara
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 Hațieganu" 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 Timișoara
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 Babeș" Timișoara, 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 Babeș" University of Pharmacy, Timișoara, 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 Babeș" University of Pharmacy, Timișoara, 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 Babeș" University of Pharmacy, Timișoara, 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 Timișoara, 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 Timișoara, 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 Babeș" Timișoara, 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 (*)

French

English

Understanding				Speaking				Writing	
Listening		Reading		Participating in the conversation		Oral speech		Written expression	
C1	Independent user	C1	Independent user	C1	Independent user	C1	Independent user	C1	Independent user
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 Fuliş, Gabriela Vlaşe, Titus Vlaşe, 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 Fuliş, • Geza N. Bandur , Daniel I. Hadaruga , Cristina-Adriana Dehelean. Capsicum annum 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 Jijie , 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 Fuliş, Ionuţ Ledeti, Gabriela Vlaşe, **Alina Hegheș**, Mihai Bilanin, Titus Vlaşe, Dorina Gheorgheosu, Marius Craina, Simona Ardelean, Călin Popoiu, Otilia Mărginean, Liana Moș. Thermal behaviour of procaine and benzocaine Part II: compatibility study with some pharmaceutical excipients used in solid dosage forms. Chemistry Central Journal, 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 Savoie, Elena Hoge, **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 Ravis. 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.
23. **Alina Heghes**, Doina Ghiran, D. I. Hădărugă, D. Ciubotariu: Derivați 6-aminochinolonic cu activitate anti HIV. O abordare MTD, *Craiova Medicală*, 2004, 2(6), 351-355 (ISSN: 1454-6876).
24. **Alina Heghes**, Doina Ghiran, Nicoleta G. Hădărugă, Corina Seiman, D. I. Hădărugă, D. Ciubotariu: Quinolone derivatives with antibacterial activity. A MTD approach, *Revista de Medicină și Farmacie, Lucrările simpozionului Farmaceutica Marisiensis*, Tg. Mureș, 7-9 octombrie 2004, 50, Supl.II, 154-158.
25. Dan Dragoș, **Alina Heghes**, Mihai Medeleanu, Vincențiu Vlaia, Corina Seiman, Adriana Kaycsa, Dan Ciubotariu: Topological similarity / dissimilarity indicators: application to cytochrome P450 inhibition by alcohols, *Timișoara Medicală*, ISSN: 1583-5251 , **revistă categoria B+, indexată BDI**, 2004, 2(54) aprilie-iunie, 128-134.
26. Corina Duda-Seiman, D. Duda-Seiman, **Alina Heghes**, R. Nuțiu, D. Ciubotariu, Nicoleta Suceveanu: Modelarea compușilor pirimidinici cu activitate anti-HIV, *Revista de Medicină și Farmacie, Lucrările simpozionului Farmaceutica Marisiensis*, Tg. Mureș, 7-9 octombrie 2004, 50, Supl.II, 144-149.

27. **Alina Hegheș**, Cristina Dehelean, Nicoleta G. Hădărugă, Doina Ghiran, D. I. Hădărugă, Dan Ciubotariu: Using the chemometric tools for the structure – activity relation study on the antihyperpetic aminoquinolone derivates, *Timișoara Med. J. (TMJ)*, ISSN: 1583-5251, **revistă categoria B+, indexată BDI**, 2005, 55, Supplement 5, 86 -90.
28. **Alina Hegheș**, D. I. Hădărugă, Nicoleta Hădărugă, Georgeta Coneac, Doina Ghiran, Dan Ciubotariu, Aplicarea metodei MTD pentru studiul activității antibacteriene pe *Streptococcus faecalis* LEP Br în seria unor 6-aminochinolone. *Craiova Medicală*, 2006, 8(1): 267-272.
29. **Alina Hegheș**, 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, *Timișoara Med.J. (TMJ)*, ISSN: 1583-5251, **revistă categoria B+, indexată BDI**, 2006, 56, Supplement 2, 377 -381.
30. L. Urșica, V. Vlaia, G. Coneac, L.-M. Miclea, **A. Hegheș**, 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. Hegheș**, L.-M. Miclea, G. Coneac. Evaluarea stabilității termice a unor emulsii duble H/L/H cu piroxicam prin determinări reologice. *Rev Med Chir Soc Med Nat Iași*. ISSN 0048-7848, **revistă categoria B+, indexată MEDLINE**, 2009; 3(113): 921-926.
32. Lavinia Vlaia, V. Vlaia, Lenuța-Maria Miclea, Georgeta Coneac, Ioana Olariu, **Alina Hegheș** – Evaluarea stabilității fizice în timp a unor emulsii duble H/L/H conținând 1% piroxicam prin determinări reologice, *Practica farmaceutică*, ISSN 2066-5563, 2009, vol. 2, nr. 1-2, 16-21;
33. Cristina Elena Toța, Nicoleta Gabriela Hadaruga, Gheorghe Poșta, 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 Hegheș**, Cristina Trandafirescu, Camelia Sass (Oprean), Simona Ardelean, Florin Borcan. Analisys 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 Hegheș**, Atena Gălușcan, 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 Hegheș**, 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 Hegheș**, 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 Gafițanu, Monica Crețan Stămate, Lavinia Vlaia, Daniel Hădărugă, Ioana Olariu, Lenuța-Maria Miclea, **Alina Hegheș**, *Dezvoltarea unor comprimate orale mucoadezive conținând complecși de incluziune ai unor ciclodextrine cu extracte de propolis bogate în crizol*, *Practica farmaceutică*, 2013, vol. 6, nr. 2, 110-117.

40. FLAVIA BOCIORT, CARMEN NICOLETA CRISAN, RAZVAN DRAGOI1, **ALINA HEGHES**, ANDREI MOTOC. Green and Synthetic Metallic Nanoparticles - Obtaining, Characterization 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. Folate 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 Național 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 Național 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 conferința națională de chimioterapie antimicrobiană, antifungică și antivirală, Iași 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 conferința națională de chimioterapie antimicrobiană, antifungică și antivirală, Iași 23-24 septembrie 1999, 150-151.
46. D. Ciubotariu, D. Dragoș, C. Ciubotariu, M. Pasere, D. Tița, V. Vlaia, Corina Seiman, M. Olah, Lavinia Urșica, **Alina Hegheș**: Utilizarea proiectării medicamentului în practica industrială, Al XII –lea Congres Național de Farmacie, București, 17 – 19 oct. 2002, 99 – 100.
47. **Alina Hegheș**, M. Pasere, M. Olah, Corina Seiman, D. Ciubotariu: Utilizarea tehnicilor chemometrice pentru studiul QSAR al unei serii de 6-aminochinolone cu acțiune antibacteriană, Al XII –lea Congres Național de Farmacie, București, 17 – 19 oct. 2002, 101 – 102.
48. Vlaia Vicentiu, Marian Pasere, Mihai Medeleianu, Dumitru Tita, Dan Dragos, **Alina Heghes**, Lidia Izvernariu, Dumitru Tita și Dan Ciubotariu: Indici topologici de similaritate / disimilaritate; analiza QSAR a toxicității a unei serii de amine alifatică, A XXVII-A Conferință Națională de Chimie, Călimănești- Căciulata, 23-25 octombrie, 2002, 57.
49. **Alina Hegheș**, Anca Dragomirescu, Corina Seiman, Cristina Dehelean, Anca Dragomirescu, Doina Ghiran, Dan Ciubotariu: Aplicarea metodei MTD și a modelării pentru studiul activității antibacteriene în seria unor 7-azetidilchinolone, A-II-A Conferință Națională Antifungică și Antivirală, Iași, 13-15 noiembrie, 2002, 147-148.
50. **Alina Hegheș**, Corina Seiman, Cristina Dehelean, Doina Ghiran: Prospectări moderne în seria cefalosporinelor, A-II-A Conferință Națională Antifungică și Antivirală, Iași, 13-15 noiembrie, 2002, 260-261.
51. **Alina Hegheș**, 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, Croația, 23-28 iunie, 2003, 33.
52. **Alina Hegheș**, Cristina Dehelean, Codruța 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, Ediția a-XXXIV-a, ISBN 973-7757-15-7, Craiova, Ed. Medicală Universitară, 4-5 iunie, 2004, 273.

53. **Alina Hegheș**, Corina Seiman, Codruța Soica, Doina Ghiran, Daniel I. Hădărugă, Dan Ciubotariu: Derivați 6-aminochinoloni cu activitate antibacteriană (germeni gram-pozitivi). Metoda MTD, A-III-a Conferință Națională de Chimioterapie Antibacteriană, Antifungică și Antivirală, Iași, ISBN 973-7960-46-7, 3-5 noiembrie, 2004, 125-126.
54. **Alina Hegheș**, Corina Seiman, Cristina Dehelean, Doina Ghiran, Daniel I. Hădărugă, Dan Ciubotariu: Utilizarea tehnicilor chemometrice pentru studiul QSAR al unor derivați 6-aminochinoloni cu activitate antiherpetică (HSV-1), A-III-a Conferință Națională de Chimioterapie Antibacteriană, Antifungică și Antivirală, Iași, 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 Național de Farmacie, cu participare internațională, Cluj-Napoca, 28-30 septembrie 2006, 33.
56. Lavinia Urșica, Vicențiu Vlaia, Georgeta Coneac, Lenuța-Maria Miclea, **Alina Hegheș**, 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 și cercetare, ed. a-II-a, Timișoara, 24-26 septembrie 2008;
57. Georgeta Coneac, Eliza Gafițanu, Lavinia Vlaia, Daniel Hădărugă, Ioana Olariu, Lenuța-Maria Miclea, **Alina Hegheș**, *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, Lenuța-Maria Miclea, **Alina Hegheș**, 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 Național de Farmacie „Actualități și 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 copolietilenglicol 400, propilenglicol și apă, Simpozionul Național de Farmacie „Actualități și 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 Național de Farmacie „Actualități și perspective în cercetarea farmaceutică”, ISBN 978-606-11-2833-4, Craiova, 26-28 septembrie 2012, 73-74.
62. Ionuț Ledeti, Gabriela Vlase, Titus Vlase, **Alina Hegheș**, 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 Hegheș**, Cristina Dehelean, Lenuța Maria Șuta, Nicoleta G. Hădărugă, Adriana Fuliaș, Daniel I. Hădărugă: Activitatea antioxidantă a extractelor de CAPSICUM și a compusilor cu β-ciclodextrina AI – XV-lea Congres Național de Farmacie, cu participare internațională, Iași, octombrie 2014, 33

Books and chapters in published books

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

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

1. **Alina Hegheș**, Corina Seiman, Cristina Dehelean, Doina Ghiran, D.Ciubotariu Chimioterapie antibacteriană, antifungică și antivirală actuală . Aplicarea metodei MTD și a modelării moleculare pentru studiul activității antibacteriene în seria unor 7-azetidilchinolone. Ed. Casa Cărții de știință, Cluj-Napoca, 2003, 111-118, 973-686-481-2
2. **Hegheș A.**, Dragoș D., Urșica L., Trandafirescu C., Pasere M., Ciubotariu D.: Actualități în practica farmaceutică, Quantitative treatment of steric effects in QSAR studies, Ed. Universității din Oradea, 7 noiembrie, 2002, 19 – 33, 973-9032-17-6