



Curriculum vitae **GEORGESCU ALINA-FLORINA**

Europass

Personal

Surname/First name **GEORGESCU ALINA-FLORINA**

Email aserb@umft.ro, alina_florina2005@yahoo.com

Nationality Romanian

Place of work/address

Victor Babeş University of Medicine and Pharmacy, Timișoara, P-ta Eftimie Murgu No. 2A, 300041, Timisoara, Department of Biochemistry

Teaching position

Associate Professor

Education

2010 Doctor of Medicine, Carol Davila University of Medicine and Pharmacy, Bucharest
Physiology II (Neuroscience) discipline, Department I – Functional Sciences, PhD supervisor Prof. Leon Zagrean

1998 Victor Babeş University of Medicine and Pharmacy, Timișoara, Faculty of General Medicine – Doctor of Medicine degree

1997 C. D. Nenițescu National Chemistry Competition

1994-1998 “Avram Iancu” Theoretical High School, Ștei, Bihor, “Mathematics-Physics” Department

Postgraduate courses

2018 Master's degree in "Formulation and Evaluation of Dermatocosmetic Products" Faculty of Pharmacy, coordinator Prof. Dr. Anca Dragomirescu

2012 Research internship Department of Medical Chemistry and Biochemistry, Faculty of Medicine, Zagreb

2011 "New molecular investigation methodologies (genomics, transcriptomics, proteomics) – essential tools in modernising the clinical laboratory"

2009 "New concepts in clinical laboratory investigations"

2008 "Modern techniques of biochemistry and molecular biology in the clinical laboratory"

2007 "Modern clinical biochemistry and molecular biology investigations in the clinical laboratory"

Professional experience

2024 Authorisation to supervise doctoral students in the field of Medicine, Order of the Ministry of Education National Order No. 7672 of 05.12.2024

2021 Associate Professor, Victor Babeş University of Medicine and Pharmacy, Timișoara, Department of Biochemistry

2014 Head of Works, Victor Babeş University of Medicine and Pharmacy, Timișoara, Department of Biochemistry

2011 University Assistant, Victor Babeş University of Medicine and Pharmacy, Timișoara, Department of Biochemistry

2005 University Lecturer, Victor Babeş University of Medicine and Pharmacy, Timișoara, Department of Biochemistry

2015 Primary Physician, Laboratory Medicine

2008 S.C. Analizis S.R.L. Laboratory, Timisoara – Microbiology, Biochemistry, Haematology, Immunology, Parasitology

2010 Specialist Physician Laboratory Medicine

2005 Resident Physician Laboratory Medicine (biochemistry, haematology, microbiology, virology, immunology, parasitology, mycology), supervisor Prof. Dr. Roxana Moldovan

Teaching

Published books and textbooks

1. Andrei Anghel, **Alina Georgescu**, Adriana Kaycsa, Anca Marcu, Liviu Tămaș, Adrian Mihala, Ramona Buzatu, Maria Sala-Cîrtog, Alexandra Moatăr, Aimee Chiș, *Practical Work in Pharmaceutical Biochemistry*, Ed. V. Babes, Timisoara 2019
2. Andrei Anghel, Edward Seclaman, Liviu Tamas, Marilena Motoc, Eugen Sis, Adriana Kaycsa, Dana David, Ioan Ovidiu Sirbu, Catalin Marian, Corina Samoila, Daniela Grecu, Felicia Sfrijan, **Alina Georgescu**, Anca Marcu, Ramona Buzatu, Diana Bonte, Camelia Gurban, Anda Alexa, Georgeta Bujor, Adrian Mihala, Liana Mărieș, Maria Sala-Cîrtog, *Practical work in chemistry and medical biochemistry for medical students*, Ed. Babes, Timisoara 2019
3. Andrei Anghel, Edward Seclaman, Liviu Tamas, Marilena Motoc, Eugen Sis, Adriana Kaycsa, Dana David, Ioan Ovidiu Sirbu, Catalin Marian, Corina Samoila, Daniela Grecu, Felicia Sfrijan, **Alina Georgescu**, Anca Marcu, Ramona Buzatu, Diana Bonte, Camelia Gurban, Anda Alexa, Georgeta Bujor, Adrian Mihala, Liana Mărieș, *Practical work in chemistry and medical biochemistry for medical students*, Ed. V. Babes, Timisoara 2017
4. Andrei Anghel, Edward Seclăman, Liviu Tămaș, Marilena Motoc, Eugen Șișu, Adriana Kaycsa, Dana David, Ioan Ovidiu Sîrbu, Catalin Marian, Corina Samoilă, Daniela Grecu, Felicia Sfrijan, **Alina Georgescu**, Anca Marcu, Ramona Buzatu, Diana Bonțe, Camelia Gurban, Anda Alexa, Georgeta Bujor, Adrian Mihala, *Practical work in chemistry and medical biochemistry for medical students*, Ed. V. Babes, Timisoara 2016
5. Anghel A, Seclăman E, Tămaș L, Motoc M, Șișu E, Kaycsa A, David D, Sirbu IO, Marian C, Samoilă C, Grecu D, Sfrijan F, **Georgescu A**, Marcu A, Buzatu R, Bonțe D, Gurban C, Alexa A, Bujor G, Mihala A, *Practical works in chemistry and medical biochemistry for medical students*, Ed. V. Babes, Timisoara 2015
6. Andrei Anghel, Edward Seclaman, Liviu Tamas, Marilena Motoc, Eugen Sis, Adriana Kaycsa, Dana David, Ioan Ovidiu Sirbu, Catalin Marian, Corina Samoila, Daniela Grecu, Felicia Sfrijan, **Alina Serb**, Anca Marcu, Ramona Buzatu, Diana Bonte, Camelia Gurban, Anda Alexa, Georgeta Bujor, Adrian Mihala, Raluca Dumache, *Practical Work in Chemistry and Medical Biochemistry – for Students of Medical Faculties*, Ed. V. Babes, Timisoara 2014
7. Anghel A, Seclăman E, Tămaș L, Motoc M, Șișu E, Kaycsa A, David D, Samoilă C, Grecu D, Sfrijan F, Mihala A, Bonțe D, Bujor C, Alexa A, Gurban C, **Serb A**, Dumache R, *Practical Works in Chemistry and Medical Biochemistry*, Ed. V. Babes, Timișoara, 2012
8. Anghel A, Rusu V, Kaycsa A, Seclăman E, Tămaș L, Marian C, Motoc M, Samoilă C, Grecu D, Sfrijan F, David D, Mihala A, Narița D, Moldovan I, Flangea C, Bonțe D, Șișu E, Gurban C, **Serb A**, *Medical Chemistry and Biochemistry – Practical and Clinical Laboratory Applications*, Eurostampa Publishing House, Timișoara, 2006
9. Motoc M, Anghel A, Samoilă C, Sfrijan F, Flangea C, **Serb A**, Grecu D, *Notions of Chemistry and Biochemistry of the Oral Cavity, Teeth and Dental Materials*, Eurostampa Publishing House, Timișoara, 2006

Teaching courses for students

Chemistry, Biochemistry, Oral Cavity Biochemistry Course – Faculty of Dentistry, English Section
Course in Pharmaceutical Biochemistry – Faculty of Pharmacy, Romanian section
Biochemistry and Clinical Biochemistry Course – Faculty of General Medicine, Romanian Section

Coordination of laboratory activities Other teaching activities

1. *Chemistry laboratories* for first-year students (General Medicine – Romanian and English sections; Dentistry, Dental Assistance – Romanian section)
2. *Biochemistry laboratories* for first-year students (General Medicine and Dentistry – Romanian and English sections; Dental Technology, Pharmacy and General Nursing - Romanian section), second year (General Medicine - Romanian section), third year (Pharmacy - Romanian section) and *Biochemistry laboratories* within the optional discipline of Neuroscience for second-year General Medicine students (2014-2015, 2015-2016)
Coordination of bachelor's theses, coordination of volunteer activities (VADA programme), postgraduate course lecturer

Scientific activity

Scientific research projects obtained through national competition

1. UEFISCDI-PN-IV-P10-SSSC-2024-01494. Health: STEAM Education for the Future: Developing Scientific Literacy in Life Sciences, 2025-2026, Coordinator UMF Victor Babes
2. Development of Genomic Research in Romania (ROGEN), Contract No. 96006 / 17.12.2024, SMIS Code: 324809, 2024-2029, Coordinator UMF Carol Davila.
3. Determination and structural analysis of glycolipids in normal and pathological human brains using modern mass spectrometry methods, Project PNII-RU-PD No. 43/2011, project director Alina Florina Șerb
4. Obtaining functionalised polysaccharides for applications in biomedicine and biotechnology, Project PN-II-PT-PCCA-2011-3.1-0187/2011, project director Eugen Șisu
4. Identification and characterisation of brain cancer biomarkers expressed in serum and cerebrospinal fluid using modern glycomic methods based on mass spectrometry, Project PNCD II/2007 No. 41001, project director Leon Zăgrean
5. Determination of the expression of complex glycosphingolipids in the central nervous system using multifunctional integrated microchip devices coupled with high-performance mass spectrometry. CEEX 2006 project (consortium - M1) No. 111, project director Eugen Șisu
6. Integration of a Romanian high-performance biomedical mass spectrometry centre into the international and European research area – BIO MS Center. CEEX 2006 project (promotion – M3), No. 98, project director Alina Zamfir

Mobility grant obtained through international competition

1. FENS 2010 Travel Grant

Books/book chapters published in international publishers

1. Zamfir AD, Flangea C, **Șerb A**, Zagrean AM, Rizzi AM, Sisu E., Separation and identification of glycoforms by capillary electrophoresis with electrospray ionisation mass spectrometric detection., Jennifer J. Kohler and Steven M. Patrie (eds.), Mass Spectrometry of Glycoproteins: Methods and Protocols, Methods in Molecular Biology, vol. 951, **Springer Protocols, Humana Press Publishing House**, 2013, 145-169
2. Zamfir AD, Flangea C, **Șerb A**, Sisu E, Zagrean L, Rizzi A, Seidler DG., Brain chondroitin/dermatan sulfate, from cerebral tissue to fine structure: extraction, preparation, and fully automated chip-electrospray mass spectrometric analysis, Françoise Rédini (ed.), Proteoglycans. Methods and Protocols; Methods in Molecular Biology, vol. 836, **Springer Protocols, Humana Press Publishing House**, 2012, 145-159

Works published in ISI-rated journals (in extenso)

1. Haidar, L.; Bănărescu, C.F.; Uța, C.; Zimbru, E.-L.; Zimbru, R.-I.; Tîrziu, A.; Pătrașcu, R.; **Șerb, A.-F.**; Georgescu, M.; Nistor, D.; et al. Beyond the Skin: Exploring the Gut–Skin Axis in Chronic Spontaneous Urticaria and Other Inflammatory Skin Diseases. *Biomedicines* 2025, 13, 2014. (IF **2024=3.9**)
2. Ciurariu, E.; Balteanu, M.A.; Georgescu, M.; Drăghici, G.A.; Vlăsceanu, S.G.; **Șerb, A.-F.**; Cioboată, R. Left vs. Right Bundle Branch Block in COVID-19 Patients: Distinct Clinical Presentations and Prognostic Implications. *J. Clin. Med.* 2025, 14, 2310. (IF **2024=2.9**)
3. Haidar, L.; Bălțeanu, M.A.; Georgescu, M.; Drăghici, G.A.; Laza, E.-A.; **Șerb, A.-F.**; Cioboată, R. Smoking and Health Profiles of Hypertensive Patients with COVID-19: An Exploratory Study of Key Physiological Markers. *J. Clin. Med.* 2024, 13, 7245. (IF **2024=2.9**)
4. Haidar, L.; Georgescu, M.; Drăghici, G.A.; Bănățean-Dunea, I.; Nica, D.V.; **Șerb, A.-F.** DNA Methylation Machinery in Gastropod Mollusks. *Life* 2024, 14, 537. (IF **2024=3.4**)
5. Pînoșanu, E.A.; Pîrșcoveanu, D.; Albu, C.V.; Burada, E.; Pîrvu, A.; Surugiu, R.; Sandu, R.E.; **Serb, A.F.** RhoA/ROCK, mTOR and Secretome-Based Treatments for Ischemic Stroke: New Perspectives. *Curr. Issues Mol. Biol.* **2024**, 46, 3484-3501 (IF 2024 = **3**)
6. **Serb, A.F.**; Georgescu, M.; Onulov, R.; Novaconi, C.R.; Sisu, E.; Bolocan, A.; Sandu,

- R.E. Mass-Spectrometry-Based Research of Cosmetic Ingredients. *Molecules* **2024**, *29*, 1336. (IF **2024=4.6**)
7. Novaconi, C.R.; Onulov, R.; **Serb, A.F***; Sisu, E.; Dinca, N.; Pascariu, M.-C.; Georgescu, M. Assessing Glycosphingolipid Profiles in Human Health and Disease Using Non-Imaging MALDI Mass Spectrometry. *Appl. Sci.* **2023**, *13*, 9922. (IF **2023=2.5**) *corresponding author
8. Cojocariu, C.; Dinca, N.; Georgescu, M.; Sisu, E.; **Serb, A***; Pascariu, M.-C. Mass–Energy Profiles Obtained by Quantum Chemical Computing Applied in Mass Spectrometry: A Case Study with Identification of a Group of Acetalised Monosaccharide Isomers. *Appl. Sci.* **2023**, *13*, 7530. (IF **2023=2.5**) *corresponding author
9. Cojocariu C, Hădăde ND, Pascariu MC, Ladasiu C, **Serb A***, Sisu E, Georgescu M, Unexpected behaviour of trisilanolisobutyl-poss, key compound in drug delivery systems, during mass spectrometry analysis, *FARMACIA*, **2023**, Vol. 71, 1 (IF **2023=1.4**)
*corresponding author
10. **Serb AF**, Novaconi C, Georgescu M, Puiu M, Dema A, Onulov R, Sisu E. Preliminary Analysis of the Glycolipid Profile in Secondary Brain Tumours, *Biomed Res Int.*, 22 November 2022; 2022:4293172. doi: 10.1155/2022/4293172. (IF **2021=3.246**)
11. Pascariu, M.-C.; Dinca, N.; Cojocariu, C.; Sisu, E.; **Serb, A***; Birza, R.; Georgescu, M. Computed Mass-Fragmentation Energy Profiles of Some Acetalized Monosaccharides for Identification in Mass Spectrometry., *Symmetry*, 2022, *14*, 1074. (IF **2022=2.7**),
*corresponding author
12. Georgescu M, Haidar L, **Serb AF***, Puscasiu D, Georgescu D, Mathematical Modelling of Brain Activity under Specific Auditory Stimulation, *Computational and Mathematical Methods in Medicine*, 2021, DOI:10.1155/2021/6676681 (IF **2021=2.809**), *corresponding author
13. Bojin LA, Georgescu M, Cojocaru C, Pascariu MC, Purcarea VL, Ivan MV, Puiu M, Dehelean C, **Serb AF***, Sisu E, Penescu MN, Structural investigation of raw and modified glycans by MALDI-TOF mass spectrometry, *FARMACIA*, 2020, 68 (5) :891-897 ,
*corresponding author (IF **2020=1.433**)
14. Bojin LA*, **Serb AF***, Pascariu MC*, Moaca A, Kostici R, Purcărea VL, Penescu M, Ivan MV, Georgescu M, Sisu E, Assessment of antioxidant properties of different fomes fomentarius extracts, *FARMACIA*, 2020, 68 (2) :322-328 , *co-first authors (IF **2020=1.433**)
15. Ivan VM, Georgescu M, Apostol A, Albulescu N, **Serb AF***, Tatu CS, Trimetazidine, a Metabolic Modulator, with Cardioprotective Effects Against Myocardial Ischemia, *REV. CHIM.-BUCHAREST*, 2018, 69(7):1616-1620. (IF **2018=1.605**) *corresponding author
16. Pascariu M.C., Niculescu M., Belengeanu D., **Şerb A.**, Božin L.A., Mitar C.M., Ciopănoiu I.R., Lupea A.X., Radical Cations in EI-MS Analysis of Drugs. 1. Riboflavin, Epinephrine, Chloramphenicol, Metronidazole and Dipyrindamole, *REV. CHIM.-BUCHAREST*, 2015, 66(10), 1582-1589, ISSN 0034-7752, (IF 2015: **0.956**)
17. **Şerb AF**, Sisu E, Vukelić Ž, Zamfir AD, Profiling and Sequencing of Gangliosides from Human Caudate Nucleus by Chip-Nanoelectrospray Mass Spectrometry, *J Mass Spectrom.*, 2012: 47(12):1561-1570 (IF 2012: **3.214**)
18. Zamfir AD, **Şerb A**, Vukeli Ž, Flangea C, Şchiopu C, Fabris D, Kalanj-Bognar S, Capitan F, Şişu E, Assessment of the molecular expression and structure of gangliosides in brain metastasis of lung adenocarcinoma by an advanced approach based on fully automated chip-nanoelectrospray mass spectrometry., *J Am Soc Mass Spectrom.*, 2011: 22(12), 2145-2159 (IF 2011: **4.002**)
19. Flangea C*, **Şerb A***, Şişu E, Zamfir AD, Chip-based nanoelectrospray mass spectrometry of brain gangliosides., *Biochim Biophys Acta: Molecular and Cell Biology of Lipids*, 2011: 1811(9), 513-535 (IF 2011: **5.269**) *co-first authors
20. Şişu E, Flangea C, **Şerb A**, Rizzi A, Zamfir AD, High-performance separation techniques hyphenated to mass spectrometry for ganglioside analysis., *Electrophoresis*, 2011: 32(13), 1591-1609 (IF 2011: **3.303**)
21. Şişu E, Flangea C, **Şerb A**, Zamfir AD, Modern developments in mass spectrometry of chondroitin and dermatan sulfate glycosaminoglycans., *Amino Acids*, 2011: 41(2), 235-256 (IF 2011: **3.248**)
22. **Şerb A**, Şchiopu C, Flangea C, Şişu E, Zamfir AD, Top-down glycolipidomics: fragmentation analysis of ganglioside oligosaccharide core and ceramide moiety by chip-nanoelectrospray collision-induced dissociation MS(2)-MS(6)., *J Mass Spectrom.*, 2009: 44(10), 1434-1442 (IF 2009: **3.411**)

23. **Şerb A**, Şchiopu C, Flangea C, Vukelić Ž, Şişu E, Zăgrean L, Zamfir AD, High-throughput analysis of gangliosides in defined regions of fetal brain by fully automated chip-based nanoelectrospray ionisation multistage mass spectrometry, *Eur. J. Mass Spectrom.*, 2009: 15, 541-553 (IF 2009: **1.34**)
24. Şchiopu C, Flangea C, Căpitan F, **Şerb A**, Vukelić Ž, Kalanj-Bognar S, Şişu E, Przybylski M, Zamfir AD, Determination of ganglioside composition and structure in human brain hemangioma by chip-based nanoelectrospray ionisation tandem mass spectrometry, *Anal. Bioanal. Chem.*, 2009: 395(8), 2465-2477 (IF 2009: **3.48**)
25. Flangea C, Schiopu C, Şişu E, **Şerb A**, Przybylski M, Seidler DG, Zamfir AD, Determination of sulfation pattern in brain glycosaminoglycans by chip-based electrospray ionisation ion trap mass spectrometry., *Anal. Bioanal. Chem.*, 2009: 395(8), 2489-2498 (IF 2009: **3.48**)
26. Zamfir AD, Flangea C, Şişu E, **Şerb AF**, Dincă N, Bruckner P, Seidler DG, Analysis of novel over- and under-sulfated glycosaminoglycan sequences by enzyme cleavage and multiple stage MS, *Proteomics*, 2009: 9(13), 3435-3444 (IF 2009: **4.426**)
27. Flangea C, **Şerb AF**, Schiopu C, Tudor S, Şişu E, Seidler DG, Zamfir AD, Discrimination of GalNAc (4S/6S) sulfation sites in chondroitin sulfate disaccharides by chip-based nanoelectrospray multistage mass spectrometry, *Cent. Eur. J. Chem.*, 2009: 7(4), 752–759 (IF 2009: **1.065**)

BDI papers (in extenso)

1. Cojocariu C., Pascariu M.C., Dinca N., Onulov R., Sisu E., Puscasiu D., **Serb A.**, Georgescu M. Identification of cis and trans configurations in bioactive lipids using mass-energy profiles, *Fiziologia – Physiology* 2022, 1(103), 40–43.
2. Investigation of Neutral Polysaccharides from Fomes Fomentarius: A Preliminary Study, Bojin L, Cojocaru C, Georgescu M, Puiu M, Pascariu MC, **Serb A**, Puscasiu D, Tatu C, Sisu E, *Fiziologia - Physiology*, 2018, 28.2(96), 20-27.
3. Georgescu M, **Serb AF**, Tatu C, Puscasiu D, Georgescu D, Enescu-Bieru D, Iancau M, The Influence of External Auditory Stimuli on Electrical Brain Activity, *Fiziologia – Physiology*, 2012, 22. 2(74), 4-10.

Papers in CNCSIS category C journals (in extenso)

1. **Şerb A**, Şchiopu C, Flangea C, Şişu E, Tudor S, Pancan IB, Vukelic Ž, Zamfir AD, Profiling of gangliosides expressed in human hemangioma by fully automated chip-based nanoelectrospray tandem mass spectrometry, *Scien. and Techn. Bull. of Univ. A. Vlaicu Arad*, 2008: 13(XIV), 73-83
2. Flangea C, Şişu E, **Şerb A**, Tudor S, Pancan IB, Seidler D, Zamfir AD, Investigation of Glycosaminoglycans sulfation pattern by high performance chip electrospray multistage mass spectrometry, *Scien. and Techn. Bull. of Univ.A. Vlaicu Arad*, 2008: 13(XIV), 9-16

Papers presented at scientific events

86 papers presented at national and international scientific events

Citations of papers published in ISI journals Hirsch index 2026

Web of Science: 432 citations in ISI articles in total (397 without self-citations)

h-index= **12 (Web of Science)**

h-index= **13 (Scopus, Google Academic)** ORCID iD : [0000-0001-5881-4953](https://orcid.org/0000-0001-5881-4953)

Web of Science ResearcherID: B-8009-2011

Publons HomePage: <https://publons.com/researcher/2807279/alina-f-serb/>

BrainMap: U-1700-036P-3660

SciProfiles: 1001789

Project evaluator

CNCSIS expert evaluator: PARTENERIATE programme, Collaborative Applied Research Projects (PCCA) type, 2013 competition.

Reviewer for journals with I F

Reviewer for the following journals: American Journal of Physiology-Cell Physiology, Frontiers in Chemistry, Biomolecules, Antioxidants, Molecules, Pharmaceuticals, Applied Sciences, International Journal of Molecular Sciences, Neuroscience and Medicine (2012), Research and Clinical Medicine (2013)

Member of scientific societies

1. German Society for Mass Spectrometry, DGMS)
2. National Society of Neurosciences (SNN)
3. Romanian Society of Biochemistry and Molecular Biology (SRBBM)

Awards

2023 – Articles awarded (Q2) by UEFISCDI within the sub-programme Awarding Research Results – Articles 2022 – precise 2023

2012 – Award of Excellence from the Municipality of Timisoara

2012 – “Eminent Researcher” Award offered by the UniversityHorizons Association

2011 – **I. G. Murgulescu Award from the Romanian Academy** for the group of works: *Mass spectrometry applied to the study of biological macromolecules* by Eugen Şişu, Alina Zamfir, **Alina Şerb** and Corina Flangea

2009-2013 - 10 ISI articles awarded by UEFISCDI within the sub-programme Awarding Research Results - Articles

2008 - Second prize for the poster "Profiling of gangliosides expressed in human hemangioma by fully-automated chip-based nanoelectrospray tandem mass spectrometry", **A. Serb**, C. Schiopu, C. Flangea, E.Sisu, S.Tudor, I.B.Pancan,Ž. Vukelić, A.D. Zamfir, awarded at *the 2nd International Symposium "Education and Research in the Age of Innovation"*, Arad, Romania, 20-21 November 2008 by the "Aurel Vlaicu" University of Arad

2008 - First Prize for the paper "Analysis of chondroitin dermatan sulphate polysaccharides in the brain by mass spectrometry", authors Corina Flangea, **Alina F Serb**, Eugen Sisu, Alina

D. Zamfir, presented at the VIASAN-CEEX National Symposium, Sinaia 2008

2007 - Third prize from ANCS Research Excellence, for the complex project (in which I was a member of the research team): DETERMINATION OF THE EXPRESSION OF COMPLEX GLYCOPHINGOLIPIDS IN THE CENTRAL NERVOUS SYSTEM USING INTEGRATED MULTIFUNCTIONAL MICROCHIP DEVICES COUPLED WITH HIGH-PERFORMANCE MASS SPECTROMETRY (*E. Sisu-director, A.D. Zamfir-*

P1 manager, N. Dinca-P2 manager, C.M. Davidescu-P3manager)

Personal skills and competences**Personal**

Native language

Romanian

Foreign languages

English

German

French

Understanding				Speaking				Writing	
Listening		Readingskills		Interaction		Expression			
ening		List							
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

Social and organisational skills and competences organisational	Team spirit and interdisciplinary collaboration, excellent communication and adaptation skills, coordination and leadership skills, professional integrity and ethical respect, adaptability and intercultural openness; high capacity for analysis and synthesis, experience in coordinating teaching and research activities, experience in research project management, active involvement in institutional development and the promotion of educational excellence
Technical skills and abilities	Use of mass spectrometry techniques: Orbitrap-MS, nanoESI HCT MS, nanoESI QTOF MS, MALDI TOF MS Use of chromatographic techniques (TLC, HPTLC) Use of PCR technique Use of gel electrophoresis technique Use of photodensitometric technique Use of spectrophotometric technique Use of microbiological, immunological, and haematological techniques
Computer skills and knowledge	User of MS Office (Word, Excel, PowerPoint, Outlook), Total Commander, CorelDraw, ChemOffice, Internet use for accessing databases, email, browsing, educational platforms
Driving licence	Category B

Date: 20.02. 2026

Assoc. Prof. Dr. GEORGESCU ALINA-FLORINA