

Curriculum vitae Europass	
Personal information **Surname / First name**	**Antal Aureliana-Gabriela**
Email	gabriela.antal@umft.ro
Marital status **Nationality**	Romanian
Date of birth	
Sex	Female
Desired position **Occupational field**	University Teaching Assistant, PhD candidate **10.2023 – present** – University Teaching Assistant, "Victor Babeș" University of Medicine and Pharmacy, Faculty of Pharmacy, 2 Eftimie Murgu Square, Timișoara, 300041, Romania Teaching: practical classes – Human Anatomy, Year 1, Pharmacy, Romanian-language programme Practical classes – Pathophysiology, Year 2, Pharmacy, Romanian-language programme Practical classes – Physiology, Year 1, Pharmacy, Romanian-language programme Practical classes – Human Anatomy, Year 1, Medical Cosmetics, Lugoj Practical classes – Physiology–Pathophysiology, Year 1, Medical Cosmetics, Lugoj Practical classes – Physiology–Pathophysiology, Year 1, Medical Cosmetics Practical classes – Cosmetic Care Products and Procedures, Year 3, Medical Cosmetics Practical classes – Anti-ageing Care Techniques, Year 3, Medical Cosmetics
Type of activity or sector	Higher education and research
Work experience	06.06.2021 – present – Specialist in Anaesthesia and Intensive Care, part-time on-call contract, Intensive Care Department, Municipal Emergency Clinical Hospital, Timișoara, and Intensive Care Department, "Victor Popescu" Military Emergency Clinical Hospital, Timișoara. 15.02.2021 – 06.06.2022 Specialist in Anaesthesia and Intensive Care – "Victor Popescu" Military Hospital, Timișoara. 01.01.2016 – 14.01.2021 Resident in Anaesthesia and Intensive Care – "Pius Brînzeu" County Emergency Clinical Hospital, Timișoara. 01.01.2015 – 01.01.2016 Resident in Haematology – Municipal Clinical Hospital, Timișoara. 02.03.2009 – 08.12.2014 General Care Nurse – Dr. Miculescu Medical Practice, Timișoara.

Education and training

2024 – present – PhD candidate, Doctoral School of Medicine–Pharmacy, "Victor Babeș" University of Medicine and Pharmacy, Timișoara. Field: Pharmacy. Thesis: "Synthesis and antiproliferative biological evaluation of semisynthetic derivatives with ursane and oleanane skeletons". Supervisor: Professor Alexandra Teodora Mioc, PhD.
2026 – present – Master's programme in the Toxicology of Drugs and Plants with Psychotropic Effects.

Dates

2024–2025 – Teacher training programme, Levels I and II, West University of Timișoara (UVT).

2016–2021 – Resident in Anaesthesia and Intensive Care
"Pius Brînzeu" County Emergency Clinical Hospital, Timișoara.

2015–2016 – Resident in Haematology, Municipal Clinical Hospital, Timișoara.

2008–2014 – "Victor Babeș" University of Medicine and Pharmacy, Timișoara, Faculty of Medicine, undergraduate medical degree programme.

2005–2008 – "Ana Aslan" National College, Timișoara – General Care Nursing.

2001–2005 – "Sever Bocu" High School, Lipova, Arad County – Natural Resources and Environmental Protection.

Qualification / diploma awarded

Teacher training certification – Levels I and II
ECDL certificate
Specialist certificate in Anaesthesia and Intensive Care
Medical degree (Doctor-Medic)
Professional competence certificate – General Care Nurse
Baccalaureate diploma

Main subjects

General anaesthesia; multidisciplinary medical and surgical intensive care.
Clinical placements/modules – development of practical, diagnostic and treatment skills.
Medical theory and practice, lectures and practical classes – theoretical and practical medical skills.

Name and type of educational institution

"Sever Bocu" High School, Lipova / "Ana Aslan" National College, Timișoara
"Victor Babeș" University of Medicine and Pharmacy, Timișoara.

Personal skills and competences

- Organisation and divided attention;
- Ability to concentrate in a range of situations;
- Constructive competitiveness and continuing professional development;
- Ability to work and concentrate in critical and stressful situations;
- Teamwork: ability to undertake, delegate and supervise tasks;

Mother tongue **Romanian**

Foreign languages

English – level B2/B2
French – level A1/A2
Italian – level A1/A1

Social skills and competences

Team spirit and communication.
Ability to adapt to multicultural and diverse work environments.

Organisational skills and competences

- teamwork;
- initiative in problem-solving;
- establishing and maintaining highly professional working relationships;
- a problem-solving approach;
- responsibility;

Computer skills and competences

Good command of Microsoft Office (Word, Excel, PowerPoint).

Additional information
Courses, conferences, congresses and publications

- September 2016 – Certificate of attendance, National Course on Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine, Timișoara.
- October 2019 – Certificate of attendance, SRATI Congress, Timișoara.
- September 2020 – Certificate of attendance, International Course on Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine, Timișoara.
- November 2020 – 46th SRATI Congress.
- November 2021 – January 2022 – National Course on Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine, Timișoara.
- May 2022 – 48th SRATI Congress, Sinaia.
- 18.11.2022 – Certificate of attendance, online First Aid Training, "Victor Babeș" University of Medicine and Pharmacy, Timișoara, within the project "Medical Infrastructure for the Development of Excellence Surgical Services in the Cross-Border Area", RORS-467.
- September 2023 – National Conference on Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine, Timișoara.
- December 2023 – Certificate of attendance, hands-on "3D Epidermal Model Workshop – Skin Irritation Test according to OECD TG", organised by MatTek and the Doctoral School of "Victor Babeș" University of Medicine and Pharmacy, Timișoara.
- *Co-author of the university textbook Microbiologie specială, virusologie, parazitologie, micologie [Special Microbiology, Virology, Parasitology and Mycology]. Victor Babeș Publishing House, Timișoara, 2024.*
- September 2024 – Certificate of attendance, Conference on Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine.
- October 2024 – Poster Antal G., Milan A., Maksimovic T., Mioc M., Șoica C., Mioc A. The in vitro characterization of Syzygium aromaticum L. essential oil cytotoxic effect on colorectal adeno-carcinoma and malignant melanoma cells. National Congress of the Romanian Society of Pathophysiology with International Participation, Timișoara, Romania, 2–5 October 2024. ISBN 978-606-786-417-5.
- October 2024 – Certificate of attendance, National Congress of the Romanian Society of Pathophysiology, "Tradition in Education and Collaboration in Interdisciplinary Research",
  Timișoara, Romania.
- October 2024 – Certificate of attendance, "Haemostasis and Thrombosis – The Complex Role of Platelets in Disease", online only.
- 26.07.2025 – Certificate of completion, "COPD: Prevention, Diagnosis and Therapeutic Management", www.educațiemedicală.ro, event code B no. 91.
- 13.09.2025 – Certificate of completion, "Heart Failure", www.educațiemedicală.ro, event code B no. 658.

- 25–27.09.2025 – Certificate of attendance, 23rd Conference on Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine, Timișoara, in person.
- 28.09.2025 – Certificate of completion, "Asthma, an Ongoing Challenge", www.educațiemedicală.ro, event code B no. 23.
- 24–25.10.2025 – Certificate of attendance, first edition of the CosMedical National Conference, Timișoara.
- Co-author of the university textbook Microbiologie medicală: Îndreptar de lucrări practice [Medical Microbiology: A Practical Guide]. Victor Babeș Publishing House, Timișoara, 2026. ISBN 978-606-786-562-2.
- 11–13.06.2026 – Certificate of attendance, "Psychopathology of Crisis in Medicine" Conference, Timișoara, TM no. 191 dated 13.06.2026.
- 01–03.10.2026 – Certificate of attendance, 24th Conference on Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine, Timișoara, in person.

First-author articles

1. **Antal G**, Pașcalău NA, Atyim E, Bătrîna O, Șoica C, Mioc M, Tandafirescu C, Mioc A. Fatty Acids in Cancer Therapy: Chemical Conjugates, Nanocarriers, and Therapeutic Opportunities. Molecules. **2026 May** 27;31(11):1848. doi: 10.3390/molecules31111848. PMID: 42280151; PMCID: PMC13257774.

Co-authored articles

1. Jojić, A.A.; Pașcalau, N.A.; **Antal, A.G**.; Uțu, D.; Muntean, D.; Vlase, L.; Vlase, A.-M.; Moacă, E.-A.; Ruse, G.; Bihoi-Rădoi, L.; et al. Fraction-Dependent Polyphenolic Profile and Biological Activities of Juniperus communis Pseudo-Fruit Extracts: Antioxidant, Antimicrobial and Selective Antimelanoma Effects. **Antioxidants 2026**, 15, 738. https://doi.org/10.3390/antiox15060738

2. Goldiș, C.; Racoviceanu, R.; Jorgovan, M.; Negrea-Ghiulai, R.; Șoica, C.; Prodea, A.; Bătrîna, O.; **Antal, G**.; Mioc, A. Phytochemical Study and Cytotoxic Properties of Hydroalcoholic Extracts of *Epilobium parviflorum* Schreb.: In Silico and In Vitro Insights. *Sci. Pharm.* **2026**, *94*, 71. https://doi.org/10.3390/scipharm94030071

3. Maksimović, T.; Gădău, C.; **Antal, G**.; Čoban, M.; Eșanu, O.; Atyim, E.; Mioc, A.; Șoica, C. Polyphenol-Based Therapeutic Strategies for Mitochondrial Dysfunction in Aging. ***Biomolecules*** **2025**, *15*, 1116. https://doi.org/10.3390/biom15081116

4. Rotunjanu, S.; Gogulescu, A.; Marangoci, N.L.; Dascălu, A.-I.; Mioc, M.; Racoviceanu, R.; Mioc, A.; Maksimović, T.; Eșanu, O.; **Antal, G**.; et al. Synthesis, Characterization, and In Vitro Cytotoxic Evaluation of Neodymium-Doped Cobalt Ferrite Nanoparticles on Human Cancer Cell Lines. ***Materials*** **2025**, *18*, 3911. https://doi.org/10.3390/ma18163911

Lead author of an oral presentation

Antal G., Čoban M., Mioc M., Șoica C., Mioc A. Syzygium Aromaticum L. Essential Oil: In Vitro and In Silico Assessment of Its Cytotoxic Potential Against Cancer Cells. International Conference on Interdisciplinary Approaches and Emerging Trends in Pharmaceutical Doctoral Research, "Pius Brânzeu" Centre, Timișoara, Romania, 7–9 July 2025.

Poster co-author:

- In vitro and in silico analysis of Syzygium aromaticum essential oil: cytotoxicity and impact on mitochondrial function in cancer cells Mihaela Čoban, Andreea Milan, Gabriela Antal, Codruța Șoica, Alexandra Mioc, Marius Mioc 6th International Conference on Natural Products Utilisation: From Plants to Pharmacy Shelf ICNPU-2025, 27-30 May 2025 – Bansko, Bulgaria
- Mihaela Čoban, Andreea Milan, **Gabriela Antal**, Codruța Șoica, Ramona Pârvănescu, Marius Mioc In vitro evaluation of the cytotoxic effects of Syzygium aromaticum L. essential oil on colorectal adenocarcinoma and malignant melanoma cells VII. Symposium of Young Researchers on Pharmaceutical Technology, Biotechnology and Regulatory Science 29–31 January, **2025 – Szeged, Hungary**

- Mardale G, Antal G, Maksimovic T, Gruin S, Mioc A, Mioc M, Șoica C. In vitro evaluation of Origanum vulgare L. essential oil effect on human cancer cells. National Congress of the Romanian Society of Pathophysiology with International Participation. Timisoara, Romania, 2–5 October 2024. ISBN 978-606-786-417-5.

Hobbies Drawing, sport and music.

Driving licence Category B driving licence

References Available on request.

Member of the Romanian College of Physicians

Member of the Romanian Society of Anaesthesia and Intensive Care

Research centre affiliation

Research Centre for Experimental Pharmacology and Drug Design (X-Pharm Design). Director: Professor Codruța Șoica, PhD. Full members: Professor Roxana Negrea-Ghiulai, PhD; Professor Alexandra Mioc, PhD; Professor Marius Mioc, PhD; Professor Cristina Trandafirescu, PhD; Associate Professor Roxana Racoviceanu, PhD; Teaching Assistant Andreea Munteanu, PhD; Teaching Assistants and PhD candidates Slavița Rotunjanu, Gabriela Antal, Gabriel Mardale, Alexandra Prodea, Ramona Pârvănescu and Bogdan Mara.

Timișoara
22.10.2026

Antal Aureliana-Gabriela, University Teaching Assistant, PhD candidate