

PERSONAL INFORMATION



ANTON (DOLGHI) Alina

📍 Timișoara

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Female | Date of birth 19/05/1993 | Nationality Romanian

PROFESSIONAL EXPERIENCE

03/2025-prezent	Associate Professor UMF „Victor Babeș Timisoara”, discipline of Toxicology, Pharmaceutical Industry, Management and Legislation, Timișoara
05/2024-prezent	Pharmacist, Institute of Forensic Medicine in Timișoara
10/2024-03/2025	Lecturer, UMF „Victor Babeș Timisoara”, discipline of Toxicology, Pharmaceutical Industry, Management and Legislation, Timișoara
09/2021- 10/2024	Assistant professor, UMF „Victor Babeș Timisoara”, discipline of Toxicology, Pharmaceutical Industry, Management and Legislation, Timișoara
11/2021-10/2022	Pharmacist at the Hospital of Infectious Diseases and Pneumophthisiology "Victor Babes" TimișoaraTimișoara
03/2019-11/2021	Pharmacist at „Karimpharm”, Timișoara
09/2018-03/2019	Pharmacist at "Dona", Timisoara
06/2018-09/2018	Pharmacist at „ Myosotis SRL ", Galați, Romania
03/2018-05/2018	Practitioner Pharmacist, at GreenLight Pharmacy, London, England
10/2017-02/2018	Pharmacist at „ Myosotis SRL ", Galați, Romania
05/2017-10/2018	Administrative office clerk, "Myosotis SRL", Galați, Romania
06/2016- 07/2016	Student practitioner, "Hygeia Pharm" pharmacy, Galați, Romania
02/2016-06/2016	Volunteer at the Emergency Service, Galați, Romania
06/2015- 07/2015	Student practitioner, "Hygeia Pharm" pharmacy, Galați, Romania
06/2014- 07/2014	Student practitioner at "Unica" pharmacy, Galați, Romania Student intern, Botanical Garden, Galați, Romania
06/2013- 07/2013	Student intern, „Primafarm " pharmacy, Orhei; Republic of Moldova Student intern, pharmacy of the rational hospital Orhei, Orhei, Republic of Moldova

EDUCATION AND TRAINING

04.2023	PhD pharmacist
2018-2023	PhD student at "Victor Babes" University, Timisoara, specialization: toxicology
2021-2022	Graduate of the psycho-pedagogical II module „ West University",

	Timisoara
2017	Graduated of the University of Medicine and Pharmacy „ Dunarea de Jos", specialization: pharmacy, Galati
2017	Graduate of the psycho-pedagogical module, univ. "Dunarea de Jos", Galati
2017	Erasmus + student at UNICA M, Faculty of Pharmacy, Pharmaceutical Sciences and Technologies, Camerino, Italy
2016-2017	Erasmus + student at Université de Bordeaux, Faculty of Pharmacy, France
2012-2017	Student at University of Medicine and Pharmacy „ Dunarea de Jos", specialization: pharmacy, Galati
2009-2012	Student at the bilingual French-speaking high school "Ion Luca Caragiale", Orhei, Republic of Moldova

PROFESSIONAL SKILLS

Native language Romanian

Other languages	Comprehension	Reading	Speech	Writing
	C1	C1	French B2	B2
	B2	B2	Russian B2	B2
	B2	B2	English B2	B2
	B2	B2	Italian B1	B2

COMMUNICATION SKILLS

- Maraudes volunteer, Bordeaux, France
- Volunteer at the "Comorova" summer camp, Constanța
- Volunteer at the County Ambulance Service, Galati
- Intern at the high school with a mathematics / computer science profile, "Emil Racovita", Galati

SKILLS ACQUIRED IN THE WORKPLACE

- Responsibility, team spirit, courage, sociability, curiosity, motivation.

DRIVING LICENSE B

ADDITIONAL INFORMATION

Projects

- CNFIS-FDI-2022-0484, "Implementation of modern techniques for the continuous development of the practice base in the field of medicinal plant products at UMF "Victor Babes" in Timisoara" - member
- ADR West Project - Modernization of educational conditions, development of student skills and

ensuring non-discriminatory access to quality education within UMFT - member.

- CNFIS-FDI-2026-F-1237 "Valorificarea potențialului educațional și de cercetare al bazei de practică de plante medicinale a UMFVBT prin tranziția la grădină botanică – proiect-pilot pentru o dezvoltare instituțională durabilă"- member

Research activity

- **Anton A**, Brebu D, Bugi MA, Neamțu AA, Căpraru AM, Zurbău-Anghel N, Iovănescu D, Maghiar TA, Pașca P, Faur FI, Chiriac SD. Histopathological Spectrum and Yield of Advanced Neoplasia in Opportunistic Colonoscopy Without Organised Screening: A Single-Centre Cross-Sectional Study from Western Romania. *Diagnostics*. 2026 Oct 18;16(20):3386. **(IF=3.8)**
- Gîb C, **Anton A**, Jupâneanț R-A, Neamțu A-A, Maghiar L, Bodog TM, Laza Y, Maghiar T-A, Poplicean EI, Epuraș I-C, et al. Development and Psychometric Validation of a Knowledge, Attitudes, and Practices Questionnaire on Pulmonary Embolism and Its Modifiable Risk Factors (PE-KAP-RO): Protocol for a Cross-Sectional Study in Adults from Western Romania. *Healthcare*. 2026; 14(21):3599. **(IF=3.4)**
- Gib C, **Anton A**, Neamțu A-A, Maghiar T-A, Jupaneant R-A, Maghiar L, Bodog TM, Poplicean EI, Epuras I-C, Crețu O, et al. Lifestyle, Dietary Habits, and Modifiable Risk Factors in Patients with Acute Pulmonary Embolism: Protocol for a Prospective Observational Study with Development and Validation of a Composite Lifestyle and Nutrition Questionnaire. *Journal of Clinical Medicine*. 2026; 15(19):7573. **(IF=3.3)**
- Cristea, A. M., Macașoi, I. G., Haj Ali, D., Jupâneanț, R. A., Coricovac, D. E., Dehelean, C. A., Tchiakpe-Antal, D.-S., Dumitrașcu, V., Jijie, A.-R., Lăcătuș, M., & **Anton, A.** (2026). *Eriobotrya japonica* (Loquat) Leaf Extract: An Integral In Vitro and In Ovo Approach to Antimelanoma Potential and Safety. *International Journal of Molecular Sciences*, 27(17), 7676. **(IF=5.6)**
- Cîmpeanu, I.-A., Anton, A*, Cristea, A.-M., Haj Ali, D., Predescu, I.-A., Marcovici, I., Macașoi, I.-G., Vlad, D., Oancea, C., & Moacă, E.-A. (2026). Nutraceutical Characterization, 3D Airway Tissue Metabolic Viability, and Cytotoxic Activity of *Melissa officinalis* Aqueous Leaf Extract in A549 Lung Adenocarcinoma Cells. *Medicina*, 62(8), 1514. **(IF=2.9)**
- Neamțu A-A, **Anton A** (*equal*), Maghiar L, Iftode A, Căpraru A-M, Dumitrescu C, Kis A-M, Popovici RA, Dehelean C-A, Maghiar T-A. The EduNutriCRC Questionnaire: A Pilot Knowledge–Attitudes–Practices Study on Nutritional Prevention of Colorectal Cancer in Romanian Adults. *Nutrients*. 2026; 18(14):2293. **(IF=5.8)**
- Biță R, Milutinovici R, Ardelean A, Dumitrel S, Chioran D, crețu d, Sinescu C, **Anton A**. Betulinic acid and betulin demonstrate antitumor activity against Detroit 562 pharyngeal carcinoma cell line. *Farmacia*. 2026 May 1;74(3):642. **(IF=1.6)**
- Jupâneanț RA, **Anton A** (*equal*), Bojincă M, Ali Dh, Predescu Ia, Păcurar At, Vlad D, Dumitrașcu V, Iftode A. In vitro insight into the potential of curcumin to enhance the sensitivity of A375 human melanoma cells to cisplatin. *Farmacia*. 2026 May 1;74(3):742.**(IF=1.6)**
- Pitic D-E, Kiș A, Stroia C, Talpoș-Niculescu I-C, Popovici R-A, Ille C-E, Sallai AM, **Anton A**, Moacă E-A, Muntean ED, et al. New Insights into the Antimicrobial and Wound-Healing Properties of Turmeric-Powder-Derived *Curcuma longa* Extracts for Oral-Health-Oriented Applications. *Biomedicines*. 2026; 14(5):1078. **(IF= 4.5)**

- Maghiar L, Maghiar PB, Pop O, Mitran AM, Muresan MM, Neamțu A-A, Iliescu D, Brebu D, Tent PA, Bodog FD, et al. A Comprehensive Review of Antimicrobial Peptides and Smart Biomaterials in Chronic Wound Therapy: Overcoming Biofilms, Resistance, and Translational Barriers. *International Journal of Molecular Sciences*. 2026; 27(13):5955. (IF=5.6)
- Neagu MC, Boia ES, Andrică PA, Cristea A, Sasco D, Bob F, Smeu A, **Anton A**, Moacă EA. Synthesis, characterisation and a preliminary in vitro evaluation of a magnetic nanoformulation on kidney vero cell line. *Farmacia*. 2025 Nov 1;73(6):1493-505. (IF=1.55)
- Anton A, Predescu IA, Nuca C, Păcurar M, Dinu Ș. The use of antibiotics in the dental field – the phenomenon of antibiotic resistance. *Romanian Journal of Oral Rehabilitation*. 2024; 14(4):571-580. (IF= 0.6)
- Dinu S, Olteanu ND, Matichescu AM, Zetu IN, Szuhaneck C, Geamantan A, Semenescu AD, **Anton A**, Buzatu R. In vitro biocompatibility and in ovo irritant potential screening of two clear aligners with orthodontic applications. *Farmacia*. 2024; 72(3), 513-520. (IF=1.55)
- Ilia I, Ciordas PD, Nitusca D, **Anton A***, Marian C. Analysis of the Level of Adiponectin and Selected Cytokines in Patients with Knee Osteoarthritis. *Medicina*. 2024; 60(4):571. (IF= 2.4)
- Fiat F, Arnautu DA, Bernad BC, **Anton A***, Marcovici I, Semenescu AD, Bernad ES. Retrospective Study of the Use of Heparins in Pregnant Women and in vitro Testing on the HCT 116 Colorectal Carcinoma Cell Line. *J. crit. Care med*. 2024;10(1):73-84. (IF=0.9)
- Fiat FE, Niculescu BO, Roi AN, Rivis MI, **Anton AL**, Marcovici IA, Semenescu AD, Vlad DA, Delcea CR, Bernad EL, Iovanescu G. In vitro characterization of the cytotoxic profile of lidocaine on A-375 cutaneous melanoma cells and HaCaT keratinocytes. *Farmacia*. 2023;71(4) (IF=1.55)
- Racea RC, Chioran D, **Anton A**, Dinu Ș, Buzatu R, Rivis M. The in vitro Toxicological Potential of *Lactobacillus paracasei* on Detroit 562 Pharyngeal Cancer Cells. *Journal of Agroalimentary Processes & Technologies*. 2023;29(1).
- Buzatu R, Dinu Ș, **Anton A**, Rivis M. Oral Cancer During COVID-19 Pandemic and Non-Pandemic Periods: a Comprehensive Review. *Journal of Agroalimentary Processes & Technologies*. 2023;29(1).
- Denisa Predut, **Alina Dolghi**, Cristina Grosu, Bociort Flavia, Andrada Iftode, Anca Jivanescu. Assessment of the cytotoxic potential of rutin formulations on human oral cells. *Journal of Agroalimentary Processes and Technologies* 2022, 28(4), 305-309
- **Dolghi A**, Buzatu R, Dobrescu A, Olaru F, Popescu GA, Marcovici I, Pinzaru I, Navolan D, Cretu OM, Popescu I, Dehelean CA. Phytochemical Analysis and In Vitro Cytotoxic Activity against Colorectal Adenocarcinoma Cells of *Hippophae rhamnoides* L., *Cymbopogon citratus* (D.C.) Stapf, and *Ocimum basilicum* L. Essential Oils. *Plants (Basel)*. 2021;10(12):2752. (ISI Journal IF= 4.658)
- **Dolghi A**, Coricovac D, Dinu S, Pinzaru I, Dehelean CA, Grosu C, Chioran D, Merghes PE, Sarau CA. Chemical and Antimicrobial Characterization of *Mentha piperita* L. and *Rosmarinus officinalis* L. Essential Oils and In Vitro Potential Cytotoxic Effect in Human Colorectal Carcinoma Cells. *Molecules*. 2022 Sep 19;27(18):6106. (ISI Journal IF=4.927)
- **Anton A**, Moacă EA, Sarau CA, Dinu S, Semenescu AD, Macașoi IG, Dehelean CA. Antioxidant and in vitro cytotoxic activity of commercial lemongrass, sea buckthorn and basil essential oils, against colorectal cancer cell line HCT 116. *Farmacia*. 2022;70,4:683-689. (ISI Journal IF=1.55)

- Budu O, Banciu C, Pinzaru I, Sarău C, Lighezan D, Șoica C, Dehelean C, Drăghici G, **Dolghi A**, Prodea A, Mioc M. A Combination of Two Probiotics, *Lactobacillus sporogenes* and *Clostridium butyricum*, Inhibits Colon Cancer Development: An In Vitro Study. *Microorganisms*. 2022;10(9):1692. (ISI Journal **IF=4.926**).
- Tanase A, Manea A, Scurtu AD, Bratu LM, Chioran D, **Dolghi A**, Alexoi I, AAbed H, Lazureanu V, Dehelean CA. The "Invisible Enemy" SARS-CoV-2: Viral Spread and Drug Treatment. *Medicina (Kaunas)*. 2022;58(2):261. (ISI Journal **IF=2.948**).
- Dinu S, Craciunescu EL, Macasoi I, Chioran D, Rivis M, Vlad D, Milutinovici RA, Marcovici I, **Dolghi A**, Moaca A, Dinu DC, Dehelean C, Popa M. Toxicological Assessment of an Acrylic Removable Orthodontic Appliance Using 2D and 3D In Vitro Methods. *Materials (Basel)*. 2022;15(3):1193. (ISI Journal **IF=3.748**).
- Pancu DF, Buzatu R, Milutinovici R, Iurciuc S, **Dolghi A**, Poenaru M. Assessment of the Biological Activity of Thyme Essential Oil in the Presence of the Classic Antibiotic Tetracycline. *Curr Health Sci J*. 2022;48(1):18-23.
- Palfi MC, Mușat O, Șeclăman EP, Munteanu M, Milcu AI, Iordache A, **Dolghi A**, Istrate SL, Barac IR, Borugă VM. In vitro and in ovo experimental study of two anti-VEGF agents used in ophthalmology. *Rom J Morphol Embryol*. 2022;62(3):801-806. (ISI Journal **IF=0.833**)
- Co-autor, poster: **In Vitro Assesment of the Safety Profile of Caffeine and Magnesium Ascorbyl Phospate incorporated in HPMC on Human Keratinocytes**. Eurotox 2024, Copenhagen, Danemarca
- Co-author, poster: **Phytochemical characterization and in vitro assessment of Galium mollugo L. extract on murine melanoma cells**. Eurotox 2024, Copenhagen, Danemarca
- Active participant in the project **Erasmus + Strategic Partnership n. 2019-1-RO01-KA203-063499**
- First author, poster: **The in vivo Biological Activity of Cymbopogon citratus Essential Oil on Human Colorectal Carcinoma**. Eurotox 2023, Ljubljana, Slovenia
- First author, poster: **In vitro evaluation of lidocaine on A-375 and HaCaT cell lines**. Congresul National de Farmacie, Cluj Napoca, 2023, RO
- First author, poster: **Uleiuri esentiale și terapeutice convenționale cu activitate împotriva cancerului colorectal**. Simpozion Brasov 2023, RO
- First author poster: **The in vitro biological activity of probiotics combination on human colorectal carcinoma cells**. 2023. 8th German Pharm-Tox Summit
- First author, poster: **Lemongrass essential oil induces cytotoxic effects in HT-29 and Caco-2 colon carcinoma cell lines**. 2021. 6th German Pharm-Tox Summit
- First author, poster: **Medicinal herbs - a healthy solution or a toxic formula?**. Siguranța produselor pe bază de plante medicinale: Editura Victor Babeș, 2018 ISBN 978-606-786-104-4
- First author, poster: **Matricaria chamomilla - source of contamination with mycotoxins** Siguranța produselor pe bază de plante medicinale: Editura Victor Babeș, 2018 ISBN 978-606-786-104-4
- Participant in the Student Scientific Session with the paper:,, **Studiul parametrilor farmacocinetici și a activității antimicrobiene a unor preparate topice cu vancomicină, pe baza de emulsii duble și hydrogel**” Il place
- Participant in the Conference,, **Alcool a nudo**”, Camerino, Italy

- Participant in the National Congress "Galmed", with the paper: „**Prepararea și caracterizarea farmacocinetică a microemulsiilor cu ulei de argan ca nanotransportori pentru administrarea transdermică a metotrexatului** ” I place
- Participant at the **4-lea Forum Internațional al Carierei în domeniul farmaceutic**, Bordeaux, Franța
- Participant at the international congress „Medespera” with the work „**In vitro kinetics study of vancomycin release from W/O/W emulsions and W/O/W/ chitosan hydrogel for topical delivery**” II place
- Participant in the National Congress "Galmed", with the paper: „**Limfomul Non-hodgkin cu localizare craniană**”