

**PERSONAL INFORMATION****ANTON (DOLGHI) Alina**

📍 Timișoara

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

**PROFESSIONAL EXPERIENCE**

- 03/2025-present Associate Professor UMF „Victor Babeș Timisoara”, discipline of Toxicology, Pharmaceutical Industry, Management and Legislation, Timișoara
- 05/2024-present 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

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Native language Romanian

Other languages	Comprehension	Reading	Speech	Writing
	C1	C1	<b>French</b> B2	B2
	B2	B2	<b>Russian</b> B2	B2
	B2	B2	<b>English</b> B2	B2
	B2	B2	<b>Italian</b> 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

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##### *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.

### *Research activity*

- 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. *Farmacía*. 2025 Nov 1;73(6):1493-505. (IF=1.55)
- Anton A, Predescu IA, Nuca C, Păcurar M, Dinu Ş. 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. *Farmacía*. 2024; 72(3), 513-520. (IF=1.55)
- Iliá 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. *Farmacía*. 2023;71(4) (IF=1.55)
- Racea RC, Chioran D, **Anton A**, Dinu Ş, 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 Ş, **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, Macaşoi 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. *Farmacía*. 2022;70,4:683-689. (ISI Journal IF=1.55)
- Budu O, Banciu C, Pinzaru I, Sarău C, Lighezan D, Şoica 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, Macasoai 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*. 202;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, Copenhaga, Danemarca
- Co-author, poster: **Phytochemical characterization and in vitro assessment of Galium mollugo L. extract on murine melanoma cells**. Eurotox 2024, Copenhaga, Danemarca
- Participant activ in cadrul proiectului Erasmus + Strategic Partnership n. 2019-1-RO01-KA203-063499
- Prim autor, 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. 8<sup>th</sup> German Pharm-Tox Summit
- First author, poster: **Lemongrass essential oil induces cytotoxic effects in HT-29 and Caco-2 colon carcinoma cell lines**. 2021. 6<sup>th</sup> German Pharm-Tox Summit
- Prim autor, 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**” II 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 in domeniul farmaceutic**, Bordeaux, Franța
- Participant at the international congress „Medespera” with the work **„In vitro kinetes study of vancomycin release from W/O/W emulsions amd 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”**