# Diana Haj Ali

**E-mail:** diana.haj-ali@umft.ro

**Muncă:** Murgu Square, No.2, 300041 Timisoara (România)

## EXPERIENȚA PROFESIONALĂ

### Asistent universitar

Facultatea de Medicina și Farmacie "Victor Babeș" Timișoara [ 01/03/2025 – În curs ]

Localitatea: Timișoara | Țara: România

### Farmacist rezident-Farmacie clinica

Spitalul Clinic Judetean de Urgenta „ Pius Brinzeu” Timișoara. [ 01/01/2024 – În curs ]

Localitatea: Timisoara

### Farmacist

SC. Catena Pharma S.R.L. [ 01/03/2023 – 31/08/2024 ]

Localitatea: Timisoara

### Farmacist

SC. Dr.Max S.R.L. [ 07/10/2019 – 28/02/2023 ]

Localitatea: Timisoara

## EDUCAȚIE ȘI FORMARE PROFESIONALĂ

### Program de formare psihopedagogică – Nivelul I, II studii postuniversitare

Universitatea de Vest din Timișoara– Departamentul pentru Pregătirea Personalului Didactic [2025-2026]

### Studii doctorale - Domeniul Farmacie

Facultatea de Medicina și Farmacie "Victor Babeș" Timișoara [ 2024 – În curs ]

### Diploma de licență - Farmacist

Facultatea de Medicina și Farmacie "Victor Babeș" Timișoara [ 2014 – 2019 ]

## COMPETENȚE LINGVISTICE

**Limbă(i) maternă(e):** Română - Arabă

**Altă limbă (Alte limbi):**

### Engleză

COMPREHENSIUNE ORALĂ B2 CITIT B2 SCRIS B2

EXPRIMARE SCRISĂ B2 CONVERSAȚIE B2

### Franceza

COMPREHENSIUNE ORALĂ B2 CITIT B2 SCRIS B2

EXPRIMARE SCRISĂ B2 CONVERSAȚIE B2

*Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat*

## COMPETENȚE DIGITALE

Microsoft Office (PowerPoint, Word, Excel) / GraphPad Prism / Gen 5 for Microplate Reading & Data Analysis Analysis / BioRender: Creating Professional Science Figures

## PUBLICAȚII


1. Breban-Schwarzkopf D, Danila AI, Tanase AD, Munteanu K, **Haj Ali D**, Popovici R, Szuhanek C, Rominu M. Eugenol - A natural alternative in dentistry: An in vitro and in ovo biosafety assessment. Farmacia, 2024, Vol. 72,5. https://doi.org/10.31925/farmacia.2024.5.4

2. Borozan F, Sas I, Blidisel A, **Haj Ali D**, Pasc A, Dumitrescu C, Minda D, Trandafirescu C, Dumitrel S, Ardelean S. In vitro assessment of 17ß-ethinylestradiol and levonorgestrel on breast cancer MCF-7 and MDA-MB-231 cell lines. Farmacia, 2024, Vol. 72,5. https://doi.org/10.31925/farmacia.2024.5.16

3. **Haj Ali D**, Dumitrel SI, Trandafirescu C, Horatiu CM, Lascu A, Dinu S, Macasoi I, Buzatu R, Szuhanek C, Dumitrescu C, Olariu I. In vitro and in ovo comparative toxicological assessment of self-assembling peptide- based dental repair agents. Farmacia, 2024, Vol.72,6. https://doi.org/10.31925/farmacia.2024.6.

4. **Haj Ali D**, Dărăban AM, Ungureanu D, Căta A, Ienașcu IMC, Dinu S, Dehelean CA, Danciu C. An Up-to-Date Review Regarding the Biological Activity of Geranium robertianum L. Plants. 2025; 14(6):918. https://doi.org/10.3390/plants14060918

5. Dahma R, Motoc M, Dumitrel Ș.-I, **Haj Ali D**, Morariu-Briciu D.-M, Bonțe D. Digoxin Exhibits Anticancer Activity in A375 and RPMI7951 Cutaneous Melanoma Cells: A Drug Repurposing Approach. Farmacia. 2025;73:1306–1316. doi: 10.31925/farmacia .

6. Talpos S, Chioran D, Alexandru GC, Dinu Ș, Coricovac E-D, Smeu A, **Haj Ali D**, Szuhanek C, Popa M. Silibinin Triggers Mitochondrial Apoptosis and Declines Clonogenic Potential in Detroit 562 Human Pharyngeal Carcinoma Cells. Medicina. 2025; 61(12):2197. https://doi.org/10.3390/medicina61122197

7. Vicaș LG, Marian NA, **Haj Ali D*,** Duteanu N, Svera P, Dehelean C, Vlase A-M, Frenț O-D, Dejeu I-L, Negrean RA, et al. Potentiation of the Pharmacological Effects of an Aristolochia clematitis L. Extract by Loading into Liposomes Facilitating Release to HaCaT Cells. Pharmaceutics. 2026; 18(1):89. https://doi.org/10.3390/pharmaceutics18010089

8. Liga S, Tămaș A, Vodă R, Rusu G, Bîtcan I, Socoliuc V, Pop R, **Haj Ali D**, Predescu I-A, Dehelean CA, et al. Puerarin-Loaded Proniosomal Gel: Formulation, Characterization, In Vitro Antimelanoma Cytotoxic Potential, and In Ovo Irritation Assessment. Gels. 2026; 12(1):72. https://doi.org/10.3390/gels12010072

9. Feher A, Căta A, **Haj Ali D**, Bora L, Magyari-Pavel IZ, Vlase A-M, Avram Ș, Vlase L, Ungureanu D, Dinu Ș, et al. Phytochemical Characterization and Biological Assessment of Geranium robertianum L. Ethanolic Extract on Human Salivary Gland Carcinoma Cells. Antioxidants. 2026; 15(3):296. https://doi.org/10.3390/antiox15030296

10. Jupâneanț, R.-A.; Anton, A.; Bojincă, M.; **Haj Ali, D**.; Predescu, I.-A.; Păcurar, A.T.; 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, 74, 742–750. https://doi.org/10.31925/farmacia.2026.3.15.

11. Ahmad, M.K.A.; Chioran, D.; Milutinovici, R.-A.; **Haj Ali, D**.; Sîrbu (Ciortan), M.I.; Popovici, R.A.; Dinu, Ș.; Szuhanek, C.; Negru, M.C.; Kiș, A.-M. Combined Cytotoxic Effects of Fisetin and Genistein in Detroit-562 Pharyngeal Carcinoma Cells. Farmacia 2026, 74, 399–411. https://doi.org/10.31925/farmacia.2026.2.11

12. Alsaeyd Ahmad, M.K.; Chioran, D.; Pitic, D.-E.; Moacă, E.-A.; **Haj Ali D.;** Predescu, I.-A.; Hegheș, A.; Talpoș-Niculescu, C.-I.; Popovici, R.-A.; Macaşoi, I.; et al. Green-Synthesized Curcuma longa-Derived Silver Nanoparticles for Oral Biomaterial Applications: Physicochemical Characterization, Antibacterial Activity, Preliminary Cytocompatibility and In Ovo Biocompatibility Screening. J. Funct. Biomater. 2026, 17, 357. https://doi.org/10.3390/jfb17080357

13. Smeu, A.; Olariu, I.; Marcovici, I.; **Haj Ali, D.;** Vlaia, L.; Vlaia, V.; Tănase, A.; Cosoroabă, R.M.; Socoliuc, V.; Dehelean, C.A. Silibinin-Loaded Proniosomal Gel for Cutaneous Application: Pharmaco-Technical Characterization and In Vitro–In Ovo Biocompatibility. Gels 2026, 12, 504. https://doi.org/10.3390/gels12060504

14. Cîmpeanu, I.-A.; Anton, A.; Cristea, A.-M.; **Haj Ali, D.***; Predescu, I.-A.*; Marcovici, I.; Macaşoi, I.-G.; Vlad, D.; Oancea, C.; Moacă, E.-A. Nutraceutical Characterization, 3D Airway Tissue Metabolic Viability, and Cytotoxic Activity of Melissa officinalis Aqueous Leaf Extract in A549 Lung Adenocarcinoma Cells. Medicina 2026, 62, 1514. https://doi.org/10.3390/medicina62081514

15. Liga, S.; Vodă, R.*; Lupa, L.; Pop, R.; **Haj Ali, D.***; Predescu, I.-A.; Dehelean, C.A.; Péter, F. Comparative In Vitro

Response of HaCaT and A375 Melanoma Cells to Zinc Oxide Nanoparticles Synthesized Using Puerarin. J. Xenobiot. 2026, 16, 146. https://doi.org/10.3390/jox16040146

16. Maghiar, L.; Iftode, A.; Neamțu, A.-A.; Maghiar, T.-A.; Chioibas, R.; **Haj-Ali, D**.; Dumitrescu, C.; Solomon, C.-N.; Iovin, V.-C.; Tica, O.; et al. Pregnancy-Associated Melanoma: A Molecular Reappraisal of the Hormonal Hypothesis, Illustrated by a Postpartum-Persistent Melanoma In Situ. Diagnostics 2026, 16, 2485. https://doi.org/10.3390/diagnostics16152485

17. Raduț (Mihart), S.G.; Antal, A.G.; Nicolescu, C.; Socoliuc, V.; Ianoş, R.; Predescu, I.-A.; **Haj Ali, D**.; Dehelean, C.-A.; Sbârcea, L.; Moacă, E.-A. Oleic acid double-coated Fe3O4-based magnetic colloidal suspension induces dose-dependent cytotoxicity and mitochondrial dysfunction in HepG2 cells. Farmacia 2026, 74,938-952. https://doi.org/10.31925/farmacia.2026.4.6

18. Cristea, A.M.#; Macaşoi, I.G.; **Haj Ali, D.#;** Jupâneanț, R.A.; Coricovac, D.E.; Dehelean, C.A.; Tchiakpe-Antal, D.-S.; Dumitrașcu, V.; Jîjie, A.-R.; Lăcătuș, M.; et al. Eriobotrya japonica (Loquat) Leaf Extract: An Integral In Vitro and In Ovo Approach to Antimelanoma Potential and Safety. Int. J. Mol. Sci. 2026, 27, 7676. https://doi.org/10.3390/ijms27177676

19. Neagu, M.C.#; **Haj Ali, D.#;** Iacob, E.R.; Smeu, A.; Stoicescu, R.; Popoiu, C.M.; Boştinaru, G.; Marcu, Ş.; Ianoş, R.; Socoliuc, V.; et al. Comparative Physicochemical Characterization and Biological Effects of Magnetite- and Maghemite-Based Magnetic Colloidal Suspensions in A704 Renal Cancer Cells. Pharmaceuticals 2026, 19, 1381. https://doi.org/10.3390/ph19091381

20. Dahma, R.; Moacă, E.-A.; Predescu, I.-A.; Dragomir, A.-C.; Iftode, O.-A.; Iurciuc, S.; **Haj Ali, D.;** Macaşoi, I.; Sala-Cîrtog, M.; Crintea, I.-N.; et al. Preclinical Evaluation of Labetalol for Cutaneous Melanoma Drug Repurposing: Cytotoxic Activity in A375 Cells and Mitochondria-Associated Apoptotic Signaling. Medicina 2026, 62, 1802. https://doi.org/10.3390/medicina62091802

## ABSTRACTE LA CONFERINȚE INTERNAȚIONALE ȘI NAȚIONALE

1. **D. Haj Ali,** A. Smeu, A. Semenescu, I. Predescu, C.A. Dehelean. In Vitro Assessment of Synergistic Anti-Tumor Effects of Resveratrol and Fisetin in Hepatocellular Carcinoma- Naunyn-Schmiedeberg's Arch Pharmacol (2025). 10th German Pharm-Tox Summit 2025https://doi.org/10.1007/s00210-025-03881-x

2. Predescu, IA; Coricovac, DE; **Haj Ali, D**; Dehelean, CA; Pinzaru, IA. Rutin as an Epithelial-to-Mesenchymal Transition (EMT) Modulator and Apoptosis Inducer in Melanoma: A Molecular Insight into Its Antimetastatic Effects. 59th Congress of the European Societies of Toxicology (EUROTOX), Atena, Grecia, 14-17 septembrie 2025 (poster).

3. **Haj Ali, D**; Pînzaru, IA; Predescu, IA; Dehelean, CA; Coricovac, DE. Investigation of Rutin's Effect on Murine Melanoma Cell Behavior and Response to Treatment via Modulation of Melanin Production. 59th Congress of the European Societies of Toxicology (EUROTOX), Atena, Grecia, 14-17 septembrie 2025 (poster).

4. Iasmina-Alexandra Predescu, **Diana Haj Ali**, Dorina Coricovac, Cristina-Adriana Dehelean, Iulia Pînzaru. Immunofluorescence analysis of Rutin’s effects on melanoma cells. Poster presentation (ID 1501). Congresul Național de Farmacie, ediția a XX-a. 24–26 septembrie 2025. Târgu Mureș, România.

5. **Diana Haj Ali,** Iasmina-Alexandra Predescu, Dorina Coricovac, Cristina-Adriana Dehelean, Andrada Iftode, Ștefania-Irina Dumitrel, Iulia Pînzaru. Replacing animals in skin cancer research: the 3D model approach. Poster presentation (ID 1495). Congresul Național de Farmacie, ediția a XX-a. 24–26 septembrie 2025. Târgu Mureș, România.

6. **Haj Ali, D.;** Predescu, I.-A.; Nicolescu, M.; Păcurar, A.; Coricovac, D.; Dehelean, C.A. Exploring the Combined Anticancer Efficacy of Omeprazole and Silibinin in Hepatocellular Carcinoma. *Toxicol. Lett.* **2026**, *423* (Suppl.), 112483, P18-115. https://doi.org/10.1016/j.toxlet.2026.112483 (EUROTOX 2026)

7. Cristea, A.M.; **Haj Ali, D**.; Predescu, I.-A.; Anton, A.; Dehelean, C.A.; Tchiakpe-Antal, D.-S. In Vitro Evaluation of the Cytotoxic and Pro-Apoptotic Effects of an Aqueous Eriobotrya japonica Leaf Extract in A549 Lung Carcinoma Cells. Toxicol. Lett. 2026, 423 (Suppl.), 112457, P18-88. https://doi.org/10.1016/j.toxlet.2026.112457(EUROTOX 2026)

8. Predescu, I.-A.; Liga, S.; **Haj Ali, D.;** Dumitrel, Ş.-I.; Cristea, A.-M.; Brînzei, I.; Dehelean, C.-A.; Coricovac, D. Biological Effects of Puerarin-Loaded Proniosomes in MIA PaCa-2 Human Pancreatic Cells: A Preliminary In Vitro and In Ovo Assessment. Toxicol. Lett. 2026, 423 (Suppl.), 112482, P18-114.

https://doi.org/10.1016/j.toxlet.2026.112482 (EUROTOX 2026)

9. Moaca, E.A.; **Haj Ali, D**.; Marcovici, I.; Jijie, A.R.; Anton, A.; Cristea, A.-M.; Draghici, G.A.; Watz, C.G.; Dehelean, C.A.; Oancea, C.; Socoliuc, V. Taxus baccata Aril-Mediated Green Synthesis of $Fe_3O_4$ Nanoparticles for Lung Cancer: Antiproliferative Effects, Respiratory Safety Assessment, and Hyperthermia Potential. Toxicol. Lett. 2026, 423 (Suppl.), 112592. https://doi.org/10.1016/j.toxlet.2026.112592 (EUROTOX 2026)

10. Jîjie, A.-R.; Moacă, E.A.; **Haj Ali, D**.; Cristea, A.; Anton, A.; Minda, I.D.; Dehelean, C.A. Cytotoxic and Anti-Clonogenic Effects of a Taxus baccata Aril–Seed Ethanolic Extract in A549 Lung Cancer Cells: An In Vitro/In Ovo Assessment. Toxicol. Lett. 2026, 423 (Suppl.), 112928. https://doi.org/10.1016/j.toxlet.2026.112928 (EUROTOX 2026)

## WORKSHOP-URI

FELASA Workshop on Severity Classification and Reporting under EU Directive 2010/63/EU

## PROIECTE

Membru proiect: CNFIS-FDI-2026-F-1237 cu titlul ”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 instituționala durabila”, acronimTRANZ-PLANTMED