

Hananeh Kordbacheh Akşahoğlu

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Nationality: Iran. Turkish Republic of Northern Cyprus

Sex: Female

Marital Status: Married

Date of Birth: 1995

Place of Birth: Iran

Education

- Eastern Mediterranean University, North Cyprus, Famagusta

Master of Pharmacy (Pharm. D), 2014- 2019

CGPA 3.27 Thesis title: *Unconjugated Pteridine in Health and Disease*. Advisor: Prof. Dr. Gönül Şahin.

- Yeditepe University, Istanbul, Türkiye

PhD in Pharmaceutical Toxicology, 2020-2025

CGPA 4 Thesis title: *Safety and Biological Activity Evaluation of Inula Viscosa Methanolic and Water Infusion Extracts*. Advisor: Prof. Dr. Muhammed Hamitoğlu.

Working Experience

1. Student Assistant at Phar 409 Pharmaceutical Toxicology, faculty of pharmacy, Eastern Mediterranean University Fall and Spring Semesters-2018-2019.
2. Student Assistant at CHEM254 Biochemistry, faculty of pharmacy, Eastern Mediterranean University Fall and Spring Semester – 2018-2019.
3. Senior instructor at the faculty of pharmacy, Eastern Mediterranean University- Pharmaceutical Toxicology Lab Practice (PHAR409), CHEM254 Biochemistry Lab Practice – 2019 – 2025.
4. Doktor Öğretim Görevlisi, Lecturer (Dr.) at the faculty of pharmacy, Eastern Mediterranean University. Teaching Lectures: Pharmaceutical Toxicology (PHAR409) and Intoxication Control (PHAR454), Pharmacology (FZTR314). Fall Semester 2025-Present.



Laboratory Experience

- *In Vitro* Cytotoxicity, Genotoxicity and Mutagenicity Assays.

Ames Test, MTT Assay, Lactate Dehydrogenase Assay, Comet Assay and Micronucleus Assay

- Antioxidant Assays.

DPPH, FRAP, ABTS and CUPRAC assays, Total phenolic assay, Total flavonoid assay.

- High Performance Liquid Chromatography Analysis (HPLC).
- Proficient in performing Flow cytometry, including sample preparation, staining, and data analysis.
- Certified Animal Experimentation: Skilled in laboratory rodent handling, experimental agent administration, euthanasia, and organ dissection for research.

Publication, Book and Poster

1. History and Ethics of Pharmacy (PHAR 311) *Eastern Mediterranean University*, Notebook Gönül Şahin, Şengül Akkartal and Hananeh Kordbacheh (2018)
2. Şahin, Gönül, Sonia Sanajou, and Hananeh Kordbacheh. Analgesic nephropathy. *EMU Journal of Pharmaceutical Sciences* 2.1 (2019): 55-67.
3. Pharmacology and Toxicology of Antidepressants drug: serotonergic, tricyclic and Lithium/ 100-page, *Eastern Mediterranean University Book* Editors: Gönül Şahin, Emre Hamurtekin, Hananeh Kordbacheh, Sonia Sanajou, Hasan kobat, Ahmad Malek Saidoun.
4. Kordbacheh, Hananeh, et al. "Evaluation of the recommended treatment and preventive measures of COVID-19." *EMU Journal of Pharmaceutical Sciences* 3.2 (2020): 125-139.
5. Kordbacheh Hananeh, Hamitoğlu Muhammad, Şahin Gönül, Karahalil Benu. Evaluation of low dose naltrexone as a possible novel anticancer drug Poster 2022 11th *International Congress of the Turkish Society of Toxicology*.
6. Kordbacheh, Hananeh, and Benu Karahalil. "Systematic review on safety of bisphenol A: from invention to the present." *Eurasian Journal of Toxicology* 5.2 (2023): 37-43.
7. Irani, Mohammad, et al. "In vitro and in vivo studies of Dragon's blood plant (*D. cinnabari*)-loaded electrospun chitosan/PCL nanofibers: Cytotoxicity, antibacterial,

and wound healing activities." *International Journal of Biological Macromolecules* 257 (2024): 128634.

8. Kordbacheh, H., E. V. Burgaz, and G. Şahin. "P01-31 Preliminary study: measurement of urinary unconjugated pteridines after establishment of the HPLC method." *Toxicology Letters* 399 (2024): S83-S84.
9. H. Kordbacheh, E.V. Burgaz, G. Şahin, P01-31 Preliminary study: measurement of urinary unconjugated pteridines after establishment of the HPLC method Poster presentation, *EUROTOX, 2024, Copenhagen, Denmark, 8 to 11 September*.
10. Kordbacheh, Hananeh, et al. "Co-delivery of Bcl-2 siRNA and doxorubicin using liposome-incorporated poly (ϵ -caprolactone)/chitosan nanofibers for the treatment of lung cancer." *Journal of Drug Delivery Science and Technology* 99 (2024): 105994.
11. Kordbacheh, Hananeh, et al. "Cell-penetrating peptide functionalized ZIF-8 (Zn, Fe)/doxorubicin/chitosan-grafted-polycaprolactone/curcumin against A549 lung cancer cells." *Journal of Polymers and the Environment* 33.1 (2025): 581-598.
12. Hananeh Kordbacheh, et al. Safety and Biological Activity Evaluation of *Inula Viscosa*. Oral presentation. 11th International European Congress on Advanced Studies in Basic Sciences 11-13 November 2024 Roma, Italy.
13. GÜDÜL, Ülfet, et al. "Chronotoxicity studies in pharmaceutical Science: A comprehensive review." *EMU Journal of Pharmaceutical Sciences* 7.2 (2024): 68-79.
14. Kordbacheh, Hananeh, et al. "Retrospective analysis of the poisoning cases in four different regions of the world." *Journal of Research in Pharmacy* 29.2 (2025): 616-625.
15. Hananeh Kordbacheh, Gülşah Esen, Muhammed Hamitoğlu. Synergistic Evaluation of *Inula viscosa* Combined with Chemotherapeutic Drugs: An Integrative Approach via Synergy Modeling. EMU International Pharmaceutical Sciences Congress 2025, 14 May, Famagusta, North Cyprus. Oral presentation.
16. Gönül Şahin, Hananeh Kordbacheh, Sonia Sanajou. Selected Global Trends in Pharmaceutical Science Book, The new trends in Toxicology chapter, *Eastern Mediterranean University Press*. (2025).
17. Esen, G., et al. "P14-16 Toxicological evaluation of *Salvia fruticosa* from the viewpoint of genotoxicity." *Toxicology Letters* 411 (2025): S161-S162.

18. Kordbacheh, H., et al. "P14-08 Evaluating the safety and protective potential of *Inula viscosa*: insights from ames and comet assays." *Toxicology Letters* 411 (2025): S158-S159.
19. Bahmani, E., Kordbacheh, H., Eslami, S., Lotfiazar, A., Bybordi, S., Banihashem, S., ... & Irani, M. (2026). Antitumor activity of polycaprolactone/magnetic MIL-88 (Fe)/doxorubicin nanofibers-paclitaxel/magnetic MIL-88 (Fe)-loaded gelatin/chitosan 3D printed hybrid scaffold. *Carbohydrate Polymer Technologies and Applications*, 101105.

Attending Seminar and Certificate

1. Management of depression and bipolar disorder: from different aspects Eastern Mediterranean University, Faculty of Pharmacy, 22 December 2018.
2. İlaç-Besin Etkileşimleri Yeditepe University, 6 December 2019.
3. 37th Deney Hayvanlari Kullanım Sertifikasi Eğitim Kursu Programı. 37th Laboratory Animal Use Certification Training Program. Yeditepe University - 22- November- 1 December 2021.
4. 11TH international congress of the Turkish society of toxicology. Limak Limra Hotel, Kemer, Antalya, Turkey 02-05 November 2022.
5. 58th congress of the European societies of toxicology (EUROTOX 2024) Toxicology a quest for safer chemicals and medicines 8-11 September- 2024 Copenhagen, Denmark
6. 11th International European Congress on Advanced Studies in Basic Sciences 11-13 November 2024 Roma, Italy.
7. EMU International Pharmaceutical Sciences Congress 2025. Eastern Mediterranean University, Northern Cyprus.
8. The 59th Congress of the European Societies of Toxicology (EUROTOX 2025) Toxicology addresses Society's real-life risks for sustainable health and well-being. 14-17 September, Athens, Greece.
9. Eczacı Kaydı, KKTC Sağlık Bakanlığı İlaç ve Eczacılık Dairesi, 2025, Registered Pharmacist, Department of Pharmaceuticals and Pharmacy, Ministry of Health, TRNC, 2025.

Languages

1. Persian – native language.

2. English – 2025/1 Higher Education Institutions Foreign Language Test (YÖKDİL) Score:
86.25.
3. Turkish – speak fluently and read/write with high proficiency.