

# Dr. Reza Ebrahimi Hariry

Lecturer, Faculty of Pharmacy, Girne American University, Kyrenia, Cyprus

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Research group: <https://www.sehs.info/>

Academic Social: *Google Scholar, Reseachgate, Web of Science, ORCID*

## EDUCATION

**Ph.D., Pharmacology and Toxicology (2015-2022)**

*Department of Pharmacology and Toxicology, Ankara University, Ankara, Turkey*

## WORK EXPERIENCE

- ◆ Faculty of Pharmacy, Girne American University, Kyrenia, Cyprus

**Lecturer (Sep 2022-present)**

- ◆ Smart Engineering & Health Systems Research Group ([SEHS](#)), Hacettepe University, Turkey

**Data Scientist (Jan 2019-Aug 2022)**

**Research Fellow (Sep 2017-Dec 2018)**

**Research Assistant (Sep 2016-Aug 2017)**

*Participated in the following projects:*

- ⌘ *A cyber-physical system to integrate multi-omics data (Jan 2021-present)*
- ⌘ *Solid Dispersion Design and Manufacturing using Hot-melt Extruder via Artificial Intelligence Methods (Mar 2021-present)*
- ⌘ *Towards Pharma 4.0 in pharmaceutical digital transformation (Jan 2019-Dec 2020)*
- ⌘ *Boosting participant's safety in clinical research (Jan 2017-Aug 2019)*
- ⌘ *A blockchain-enabled blood cold chain management system (Sep 2016-Dec 2016)*

- ◆ Department of Pharmacology and Toxicology, Ankara University, Turkey

**Research Assistant (August 2015-August 2016)**

*Participated in the following projects:*

- ⌘ *Antibiotic resistance in dairy products and alternative medicines*
- ⌘ *Determination of environmental contaminants residues in dairy products by GC/MS and HPLC*

- ◆ Department of Pharmacology, Gazi University, Ankara, Turkey

**Research Assistant (September 2013-July 2015)**

*Participated in the following project:*



• *Redox regulators in the aging process*

◆ Avicenna Research Institute (ACECR), Shahid Beheshti University, Tehran, Iran

**Research Assistant (September 2011-August 2013)**

Participated in the following project:

• *Hormonal and cellular function of testes in adult male rat*

◆ Young Researchers Club (YRC), Azad University, Ardebil, Iran

**Young Researcher (August 2008 - July 2011)**

Participated in the following project:

• *Herbal medicine in epilepsy models*

## TEACHING EXPERIENCE

**Lecturer (Full-time):** Faculty of Pharmacy, Girne American University (Sep 2022-present)

Title of Course: **Pharmacology**

**Computer applications & AI in Pharmacy Practice**

**Clinical Pharmacy and Pharmaceutical Care**

**Instructor (Part-time):** Hacettepe University (Nov 2018-May 2022)

Title of Course: **Digital transformations in Pharma**

**Instructor (Part-time):** Faculty of Pharmacy, Azad University, Tehran (Sep 2011-May 2013)

Title of Courses: **Autonomic pharmacology, cardiovascular pharmacology, neuropharmacology**

**Instructor:** Faculty of Medical science, Azad University, Ardebil, Iran (Sep 2009-May 2011)

Title of Courses: **Basic pharmacology, Chemotherapy, antimicrobial, Endocrine pharmacology**

## SKILLS, EXPERTISE AND SOFTWARE

### General:

- Expert in administration, students managing, curriculum development, grant acquisition, admissions tutor, mentoring and delegation
- Strong knowledge in academic writing in different sections of research proposals and articles
- Strong organizational skills and team working including the ability to handle several projects at a time
- Worked independently and in collaboration with multidisciplinary & interdisciplinary teams
- General application (i.e. windows, Microsoft Office, Web and Social Skills, Graphic Design)

### Experience in Data Mining, Coding and Programming Languages:

#### Python

- Numpy, Pandas, Sklearn
- Notebook (Jupyter), Matplotlib, Seaborn

#### Visual Studio Code

#### Atom



## **Unified Modeling Language (UML)**

**Familiar with R and Matlab**

### **Deep experience of Machine Learning:**

#### **Regression Analysis**

- *Linear, non-Linear, Logistic*

#### **Classification Modelling**

- *KNN, Decision tree, Logistic Regression, SVM*

#### **Clustering Algorithms**

- *K-means, Hierarchical Methods, DBSCAN*

#### **Recommender Systems**

- *Content-based*
- *Collaborative filtering*

### **Experienced in Deep learning:**

#### **Neural Network**

- *Classic Neural Networks*
- *Convolutional Neural Networks*
- *Recurrent Neural Networks (RNNs)*

### **Analytical Laboratory Skills**

- **Chromatography Analysis:**
  - *Gas Chromatography (GC), Liquid Chromatography (LC), HPLC*
- **Spectroscopy Analysis**
  - *UV-visible Spectroscopy (UV-vis), UV-visible Spectroscopy (UV-vis)*
- **Mass Spectrometry:**
  - *Gas Chromatography Mass Spectrometry (GC/MS)*
- **Microscopy Analysis**
  - *Optical microscopy*

### **in-vivo & in-vitro experiments**

- **Animals Models**
  - *disease induction, xenograft, inbred strains, transgenic models*
- **Cell Culture techniques**
- **Microbiological Laboratory Techniques**

### **LANGUAGE(S) PROFICIENCY**

**English** Fluent in reading, speaking, writing, and listening

**Turkish** Fluent in reading, speaking, writing, and listening

**Azerbaijani** Native language

**Persian** Native language

