

# Associated Professor Aziz Eftekhari

His name is among in Highly Cited Researcher list Top 1% of Scientists in the World in Stanford university in 2023 and (ESI in Top 1% of Scientists in the World) in sep 2022. He was awarded the prestigious young researcher fellowship and continued his research at the Department of Basic Sciences and later the Department of Pharmacology and Toxicology at the Maragheh and Tabriz Medical Science Universities. In 2014, as the winner of the Federation of national societies of toxicology in Europe (EUROTOX) Fellowship Award, he joined the Joint Ukraine- Azerbaijan International Research and Education Center of Nanobiotechnology and Functional Nanosystems. He won the prestigious Slovakia national scholarship for university teachers in 2021. Since 2019, he has headed scientific coordination in the Joint Ukraine-Azerbaijan International Research and Education Center of Nanobiotechnology and Functional Nanosystems. He was selected as a top researcher of Maragheh University Medical Sciences and was honored with several national and international prizes in 2019, 2020, and 2021. He coordinates many national and international research projects. His research includes in vitro and in vivo toxicology of nanomaterials, design, synthesis, and in vitro modeling and hazard prediction of nanomaterials including carbon based materials, for theranostic applications as well as for enhanced therapy methods for the disease.

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📍 Ege university, Izmir, Turkiye



## WORK EXPERIENCE

**Director of Nanotechnology and Biochemical Toxicology (NBT) Center**, Azerbaijan State University of Economics (UNEC), Baku AZ1001, Azerbaijan (2023)

### Associated Professor

Ege University, Izmir, Turkey (2023)

### Visiting Professor

Institute of Molecular Biology and Biotechnologies, Baku, Azerbaijan (2022)

### Scientific coordinator

Joint Ukraine-Azerbaijan International Research and Education Center of Nanobiotechnology and Functional Nanosystem, Baku, Azerbaijan (2022)

### A/Professor in Toxicology

Tabriz University of Medical Sciences, East Azerbaijan - Tabriz (2022)

### A/Professor in Toxicology

Maragheh University of Medical Sciences, East Azerbaijan - Maragheh (2019)

### Manager & Advisor

Health innovation acceleration center, Tabriz University of Medical Sciences (2022)

## EDUCATION

### PhD in Toxicology & Pharmacology

Faculty of Pharmacy, Tabriz University of Medical Sciences

2017

### Master in Toxicology

Kerman University of Medical Sciences

2012

### Plant pathology

Maragheh University

2010

**H-index: 50**  
**Citations: 8930**

## RESEARCH INTEREST

Biomedicine      In vitro/in vivo Toxicology      Pharmacy  
Nanomedicine      Nanobiosensors      Drug delivery  
Green nanomedicine      Molecular/cellular Toxicology  
Environmental Toxicology      Disease biomarkers

## ORGANIZATIONS

European Society of Toxicology In Vitro  
International Neurotoxin Association  
(INA) American Society of Toxicology

## HONOR AWARDS

### Highly Cited Researcher list

(ESI in Top 1% of Scientists in the World) in september 2022

### World Top 2% Scientists in 2022 and 2023

by Stanford University, USA

### Top researcher (2019)

Maragheh University of Medical Sciences in research, technology and entrepreneurship festival of Maragheh University of Medical Sciences

### (EUROTOX) Fellowship Award (2015)

Federation of national societies of toxicology in Europe

### Level 1 Bursary of EUROTOX (2014)

50th Congress of the European Societies of Toxicology, Edinburgh, Uk

### Visiting fellow scholarship (2020)

Slovak Academy of Sciences, Slovakia

## LANGUAGES

English  
Full Professional Proficiency

Turkish  
Full Professional Proficiency

Azerbaijani  
Full Professional Proficiency

Persian  
Full Professional Proficiency

## ACADEMIC COLLABORATION EXPERIENCE



## TEACHING EXPERIENCE

### Toxicology (theory & practice)

Tabriz university of Medical Sciences

### Nanobiotechnology

Baku State University, Azerbaijan

### Pathology & Pharmacology

Tabriz university of Medical Sciences

### Toxicology Lab techniques

Tabriz university of Medical Sciences

## EDITORIAL EXPERIENCE in *Web of Science* JOURNALS

Frontiers in Chemistry

Frontiers in Pharmacology

Frontiers in Bioengineering

Journal of Nanomaterials, Hindawi

Oxidative Medicine and Cellular Longevity, Hindawi

## Paper

Publications Published more than of 110 papers in high impact journals including:

**nature** THE LANCET JAMA Oncology FOOD CHEMISTRY  **Nanomedicine**

## SELECTED PUBLICATIONS

**-Application of carbon nanotubes in sensing/monitoring of pancreas and liver cancer** Ahmadian E, Janas D, Eftekhari A (corresponding author), Zare N. **2022**

**Chemosphere (IF: 7.00), Elsevier**

**-The global burden of childhood and adolescent cancer in 2017: an analysis of the Global Burden of Disease Study 2017.**

Force LM, Abdollahpour I, ...Eftekhari et al. 2019

**The Lancet Oncology. (IF: 54.43)**

**-Investigation of antimicrobial and cytotoxic properties and specification of silver nanoparticles (AgNPs) derived from Cicer arietinum L. green leaf extract**

Baran A, Firat Baran M, Keskin C, ..., Eftekhari A (corresponding author), İrtegün Kandemir S, et al. **2022**

**Frontiers in Bioengineering and Biotechnology (IF: 5.89), Frontiers**

**-Detection of pathogenic bacteria via nanomaterials-modified aptasensors**

Sharifi S, Vahed SZ, Ahmadian E, Dizaj SM, Eftekhari A, Khalilov R, et al. 2020

**Biosensors and Bioelectronics (IF: 12.62), Elsevier**

**-Current analytical approaches in diagnosis of melanoma.**

Eftekhari A, Ahmadian E, Salatin S, Sharifi S, Dizaj SM, Khalilov R, Hasanzadeh M. 2019

**TrAC Trends in Analytical Chemistry (IF: 14.90), Elsevier**

**-The global burden of non-typhoidal salmonella invasive disease: a systematic analysis for the Global Burden of Disease Study.** Stanaway JD, Parisi A, ..., Eftekhari A, . et al. 2019

**The Lancet Infectious Diseases (IF: 71.42), Elsevier**