

## Res. Asst. PhD FATIMA DOĞANÇ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: HGU-9352-2022

ScopusID: 57189609233

Yoksis Researcher ID: 205437

### Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya (Dr), Turkey 2014 - 2020

Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 2008 - 2013

### Dissertations

Doctorate, Bazı Yeni Monokatyonik Guanidino Benzimidazol Türevlerinin Sentezi, Yapılarının Aydınlatılması ve Antiparaziter Etkilerinin İncelenmesi, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya (Dr), 2020

### Research Areas

Pharmacology and Therapeutics, Pharmaceutical Chemistry

### Academic Titles / Tasks

Research Assistant PhD, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2014 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- Differentiation of regioisomeric N-alkylation of some indazoles and pyrazolopyridines by advanced NMR techniques**  
Doğanç F., Göker A. H.  
Magnetic Resonance in Chemistry, vol.62, no.11, pp.765-774, 2024 (SCI-Expanded)
- Synthesis of some new 2-(substituted-phenyl)imidazo[4,5-c] and [4,5-b]pyridine derivatives and their antimicrobial activities.**  
Altaib M., Doğanç F., Kaşkatepe B., Göker A. H.  
Molecular diversity, vol.28, no.5, pp.2817-2829, 2024 (SCI-Expanded)
- Synthesis of novel indol-3-acetamido analogues as potent anticancer agents, biological evaluation and molecular modeling studies**  
Doğanç F., Özkan T., Farhangzad N., Mavideniz A., Çelik İ., Sunguroğlu A., Göker A. H.  
Bioorganic Chemistry, vol.148, 2024 (SCI-Expanded)

- IV. **Regioselective N-alkylation of some 2 or 6-chlorinated purine analogues**  
DOĞANÇ F., Aydın A. S., ŞAHİN E., GÖKER A. H.  
Journal of Molecular Structure, vol.1272, 2023 (SCI-Expanded)
- V. **Synthesis, NMR, X-ray crystallography and DFT studies of some regioisomers possessing imidazole heterocycles**  
PÜSKÜLLÜ M. O., DOĞANÇ F., Ozden S., ŞAHİN E., ÇELİK İ., GÖKER A. H.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1243, 2021 (SCI-Expanded)
- VI. **Synthesis, in vitro antiprotozoal activity, molecular docking and molecular dynamics studies of some new monocationic guanidinobenzimidazoles**  
DOĞANÇ F., ÇELİK İ., EREN G., Kaiser M., Brun R., GÖKER A. H.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.221, 2021 (SCI-Expanded)
- VII. **Synthesis and Cytotoxicity of Some Imidazo[4,5-*b*]pyridine Derivatives and Their Regioselective *N*-Alkylation**  
DOĞANÇ F., ALP M., Karabay A. Z., KOÇ A., EREN G., GÖKER A. H.  
CHEMISTRYSELECT, no.7, pp.1519-1525, 2021 (SCI-Expanded)
- VIII. **Regioselective N-alkylation of some imidazole-containing heterocycles and their in vitro anticancer evaluation**  
Karaaslan C., DOĞANÇ F., ALP M., KOÇ A., KARABAY A. Z., GÖKER A. H.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1205, 2020 (SCI-Expanded)
- IX. **Biological evaluation and docking studies of some benzoxazole derivatives as inhibitors of acetylcholinesterase and butyrylcholinesterase**  
ARPACI Ö., Arisoy M., Sac D., DOĞANÇ F., Tasci M., ŞENOL DENİZ F. S., ERDOĞAN ORHAN İ.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.71, no.11-12, pp.409-413, 2016 (SCI-Expanded)
- X. **Separation and identification of the mixture of 2-(3,4-dimethoxyphenyl)-1-n-propyl or (4-chlorobenzyl)-5 and (6)-1H-benzimidazolecarbonitriles**  
DOĞANÇ F., ALP M., GÖKER A. H.  
MAGNETIC RESONANCE IN CHEMISTRY, vol.54, no.10, pp.851-857, 2016 (SCI-Expanded)
- XI. **SYNTHESIS AND ANTIMICROBIAL EVALUATION OF SOME NOVEL SULFONYLAMIDO-BENZOXAZOLES**  
ARPACI Ö., Doganc F., Sac D., Sari E., KAYNAK ONURDAĞ F., ÖKTEN S.  
ACTA BIOLOGICA HUNGARICA, vol.67, no.1, pp.75-84, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **REGIOISOMERIC N-ALKYLATION OF SOME INDAZOLES BAZI İNDAZOLLERİN REGİOİZOMERİK N-ALKİLASYONU**  
DOĞANÇ F., GÖKER A. H.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.49, no.1, 2025 (Scopus)
- II. **SYNTHESIS AND STRUCTURE ELUCIDATION OF NEW METHYL 1H-BENZIMIDAZOLE-5-CARBOXYLATE DERIVATIVES**  
Doganc F.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.47, no.2, pp.490-496, 2023 (Scopus)

## Books & Book Chapters

- I. **Yetim İlaçların Geliştirilmesinde Yapay Zeka**  
DOĞANÇ F., YILDIZ İ.  
in: Nadir Hastalıklarda Kullanılan İlaçlarda (Yetim İlaçlar) Güncel Uygulamalar, BOZKIR ASUMAN, SAKA ONGUN MEHMET, Editor, Türkiye Klinikleri, pp.26-32, 2024

## II. Pharmaceutical Impurities

Doğanç F.

in: Medicinal Chemistry, Mehmet ALP, Editor, Akademisyen Kitabevi, Ankara, pp.4-11, 2021

## III. Radio-Opaqes

Doğanç F.

in: Medisinal Chemistry, Mehmet ALP, Editor, Akademisyen Kitabevi, Ankara, pp.904-920, 2021

## IV. Farmasötik Kimya Pratikleri 1-2

AKI YALÇIN E. E., YALÇIN İ., BÜYÜKBİNGÖL M. E., GÖKER A. H., YILDIZ İ., ALTUNTAŞ DİNLENÇ T., TUNÇBİLEK M., KILCIGİL G., SÜZEN S., ARPACI Ö., et al.

Ankara Üniversitesi Basımevi, Ankara, 2018

## V. Farmasötik Kimya Pratikleri 3-4

AKI YALÇIN E. E., YALÇIN İ., BÜYÜKBİNGÖL M. E., GÖKER A. H., YILDIZ İ., ALTUNTAŞ DİNLENÇ T., TUNÇBİLEK M., KILCIGİL G., SÜZEN S., ARPACI Ö., et al.

Ankara Üniversitesi Basımevi, Ankara, 2018

## Refereed Congress / Symposium Publications in Proceedings

- I. **Apoptotic, Stemness and Anti-Proliferative Effects of A Novel Indole Derivative in NSCLC**  
Gayret K., Özkan T., Doğanç F., Göker A. H., Gökmen D., Sunguroğlu A.  
7th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2024), Ankara, Turkey, 2 - 04 October 2024, pp.1-866
- II. **ANTIMICROBIAL, ANTIBIOFILM, AND ANTIQUORUM SENSING ACTIVITIES OF CERIUM AND COPPER NANOPARTICLES GREEN SYNTHESIZED FROM HAZELNUT (CORYLUS L.) HUSK EXTRACT**  
Öztürk B., Gökdere N., Rızvanoğlu S. S., Karaaslan M., Doğanç F., Eryılmaz M., Palabıyık İ. M.  
14th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 25 - 28 June 2024, pp.3
- III. **GREEN SYNTHESIS OF SILVER AND ZINC NANOPARTICLES USING PROPOLIS EXTRACTS OBTAINED FROM GİRESUN REGION AND THEIR ANTIMICROBIAL, ANTIBIOFILM AND ANTI-QUORUM SENSING ACTIVITIES**  
Vural N., Gökdere N., Rızvanoğlu S. S., Doğanç F., Eryılmaz M., Palabıyık İ. M.  
14th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 25 - 28 June 2024, pp.2
- IV. **GREEN SYNTHESIS AND CHARACTERIZATION OF ZINC NANOPARTICLES USING MACLURA POMIFERA (RAFİN.) SCHNEIDER AND THEIR ANTIBACTERIAL, ANTIBIOFILM AND ANTI-QUORUM SENSING ACTIVITIES**  
Gökdere N., Rızvanoğlu S. S., Karaaslan M., Doğanç F., Ergene B., Eryılmaz M., Palabıyık İ. M.  
14th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 25 - 28 June 2024, pp.1
- V. **BAZI YENİ MONOKATYONİK GUANİDİNO BENZİMİDAZOL TÜREVLERİNİN SENTEZİ, YAPILARININ AYDINLATILMASI VE ANTİPARAZİTER ETKİLERİNİN İNCELENMESİ**  
DOĞANÇ F., GÖKER A. H.  
VI. ULUSAL FARMASÖTİK KİMYA KONGRESİ, İstanbul, Turkey, 26 August 2022
- VI. **PREPARATION OF SOME IMIDAZO[4,5-b]PYRIDINE DERIVATIVES: USE OF THE 2D NMR 1H-1H NOE & 1H/13C-15N HMBC TECHNIQUES IN ASSIGNING REGIOISOMER**  
DOĞANÇ F., GÖKER A. H.  
2. International Marmara Scientific Research and Innovation Congress, İstanbul, Turkey, 19 April 2022
- VII. **Preparation of Some Purine Derivatives: Use of the 2D NMR 1H,15N & 1H,13C HMBC Techniques and X-Ray Crystallography in Assigning Regiochemistry**  
DOĞANÇ F., ŞAHİN E., GÖKER A. H.  
13th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 22 - 25 June 2021
- VIII. **Condensed Benzo, Pyrido, Pyrimidino-Imidazole Derivatives as Antidiabetic Agents**  
Doğanç F., Göker A. H.  
WASET 19. world academy of science, engineering and technology conference proceedings, London, England, 21 -

22 September 2017

**IX. Separation and identification of the mixture of 2,3,4-dimethoxyphenyl, 1-n-propyl or 4-chlorobenzyl 5 and 6-1H-benzimidazole carbonitriles**

DOĞANÇ F., ALP M., GÖKER A. H.

27th European Colloquium on Heterocyclic Chemistry, 3 - 06 July 2016

**X. Synthesis and Antimicrobial Evaluation of 2-p-Substituted Phenyl 5,4-substituted phenyl sulfonylamido benzoxazoles**

ARPACI Ö., DOĞANÇ F., SAÇ D., ELMAS S., KAYNAK ONURDAĞ F., OKTEN S.

International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 11 - 13 June 2015

## Supported Projects

Göker A. H., Mavideniz A., Doğanç F., Özkan T., Sunguroğlu A., Project Supported by Higher Education Institutions, 2024 - 2025

Koç A., Göker A. H., Doğanç F., Aydın A. S., Project Supported by Higher Education Institutions, Bazı Yeni 2- ve/veya 6-Substitüe-8-Fenilimidazopirimidin (Pürin) ve İmidazopiridin Türevlerinin Sentezi, Yapı ve Regioisomerizm Aydınlatılması, Antikanser Aktivitelerinin İncelenmesi, 2022 - 2024

Göker A. H., Doğanç F., Project Supported by Higher Education Institutions, Bazı Yeni Mono ve/veya Dikasyonik Guanidino Benzimidazol Türevlerinin Sentezi, Yapılarının Aydınlatılması, Antiparaziter ve Antikanser Etkilerinin İncelenmesi, 2017 - 2019

## Activities in Scientific Journals

ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGİSİ, Assistant Editor/Section Editor, 2023 - Continues

## Memberships / Tasks in Scientific Organizations

Türk Farmasötik ve Medisinal Kimya Derneği, Member, 2015 - Continues, Turkey

## Scientific Refereeing

International Journal of Pure and Applied Sciences, Other Indexed Journal, May 2022

CUMHURİYET SCIENCE JOURNAL, Other Indexed Journal, November 2021

## Metrics

Publication: 28

Citation (WoS): 51

Citation (Scopus): 74

H-Index (WoS): 4

H-Index (Scopus): 5