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## Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya (Dr), Turkey 1981 - 1985

Undergraduate, Ankara University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1976 - 1980

## Dissertations

Doctorate, Biyolojik Etkili Yeni Bazı Flavonoid Türevlerinin Sentezleri Üzerinde Çalışmalar ", Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya (Dr), 1985

## Research Areas

Health Sciences

## Academic and Administrative Experience

Fakülte Kurulu Üyesi, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2020 - 2023

Head of Department, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2020 - 2023

Member of the Senate, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2017 - 2023

## Advising Theses

GÖKER A. H., Bazı yeni monokatyonik guanidino benzimidazol türevlerinin sentezi, yapılarının aydınlatılması ve antiparaziter etkilerinin incelenmesi, Doctorate, F.DOĞANÇ(Student), 2020

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GÖKER A. H., Bazı yeni 2-(2,4-dihalojensübtitüeanilino)benzimidazol türevlerinin sentez, yapı aydınlatması ve candida türü mantarlara karşı antifungal ve stafilokoklara karşı antibakteriyel etkilerinin incelenmesi, Postgraduate, Ç.KARAASLAN(Student), 2008

GÖKER A. H., N-Sübtitüe Amidin Grubu Taşıyan Benzimidazol Türevi Bileşiklerin Sentez, Yapı Aydınlatmaları ve Antimikrobiyal Etkileri Üzerinde Çalışmalar., Doctorate, M.ALP(Student), 2007

GÖKER A. H., Bazı yeni N-sübtitüe-benzimidazole-5(6)-sülfonamid türevlerinin sentezi, yapı-aydınlatmaları ve

antimikrobiyal etkileri ve kantitatif yapı-etki ilişkileri analizi, Doctorate, M.ORHAN(Student), 2007

GÖKER A. H., N-Sübstütie amidin grubu taşıyan bazı heterosiklik halkaların sentez, yapı-aydınlatmaları ve antimikrobiyal etkileri üzerinde çalışmalar, Postgraduate, M.ALP(Student), 2001

GÖKER A. H., 1,2-disübstütie benzimidazol-5(6)-N- (Dialkilaminoetil) karboksamid türevlerinin sentez, yapı-aydınlatması ve mikrobiyolojik etkileri üzerinde çalışmalar, Postgraduate, R.HAMZAVİ(Student), 1994

GÖKER A. H., 1,2,5(6)-trisübstütie benzimidazol türevlerinin sentez, yapı-aydınlatması ve mikrobiyolojik etkileri üzerinde çalışmalar, Postgraduate, C.KUŞ(Student), 1992

GÖKER A. H., 5-fluoro-1,2,6-trisübstütie benzimidazol karboksilat ya da amid türevlerinin sentez, yapı-aydınlatılması ve antimikrobiyal etkileri üzerinde çalışmalar, Doctorate, C.KUŞ(Student), 1988

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

- I. **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., ÇELİK İ., SUNGUROĞLU A., GÖKER A. H.  
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- II. **Differentiation of regioisomeric N-alkylation of some indazoles and pyrazolopyridines by advanced NMR techniques**  
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Magnetic Resonance in Chemistry, 2024 (SCI-Expanded)
- III. **Regioselective N-alkylation of some 2 or 6-chlorinated purine analogues**  
DOĞANÇ F., Aydın A. S., ŞAHİN E., GÖKER A. H.  
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- IV. **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, 2023 (SCI-Expanded)
- V. **Synthesis of Novel Urea and Sulfonamide Derivatives of Isatin Schiff Bases as Potential Anti-cancer Agents**  
Demirel U. U., Olgen S., Karaman E. F., Tanol M., Ozden S., Goker H.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.19, no.9, pp.847-857, 2022 (SCI-Expanded)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **Synthesis, Molecular Docking Studies and Antibacterial Activities of Novel Monocationic Indole-benzimidazole Derivatives**  
Ates-Alagoz Z., KIŞLA M. M., Goker H., Yildiz S.  
MEDICINAL CHEMISTRY, vol.17, no.7, pp.699-706, 2021 (SCI-Expanded)
- X. **1H-Benzimidazole-5-carboxamide derivatives: design, synthesis, molecular docking, DFT and antimicrobial studies**  
EROL M., ÇELİK İ., Temiz-Arpaci Ö., GÖKER A. H., KAYNAK ONURDAĞ F., ÖKTEN S.

NEW JOURNAL OF CHEMISTRY, vol.44, no.48, pp.21309-21317, 2020 (SCI-Expanded)

- XI. **Synthesis, molecular docking and ADME prediction of some new benzimidazole carboxamidines derivatives as antimicrobial agents**  
EROL M., ÇELİK İ., Temiz-Arpaci Ö., GÖKER A. H., Kaynak-Onurdag F., Okten S.  
MEDICINAL CHEMISTRY RESEARCH, vol.29, no.11, pp.2028-2038, 2020 (SCI-Expanded)
- XII. **Regioselective N-alkylation of some imidazole-containing heterocycles and their in vitro anticancer evaluation**  
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- XIII. **Regioselective N-alkylation of 2-(3,4-dimethoxyphenyl)imidazo[4,5-b] and [4,5-c]pyridine oxide derivatives : Synthesis and structure elucidation by NMR**  
GÖKER A. H., Ozden S.  
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- XIV. **Synthesis & Anticancer Evaluation of New Substituted 2-(3,4-Dimethoxyphenyl)benzazoles**  
Karaaslan C., DUYDU Y., ÜSTÜNDAĞ A., YALÇIN C. Ö., KAŞKATEPE B., GÖKER A. H.  
MEDICINAL CHEMISTRY, vol.15, no.3, pp.287-297, 2019 (SCI-Expanded)
- XV. **Antiproliferative activity of synthesized some new benzimidazole carboxamidines against MCF-7 breast carcinoma cells**  
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- XVI. **Biodegradation of diclofenac with fungal strains**  
ARACAGÖK Y. D., GÖKER A. H., CİHANGİR N.  
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- XVIII. **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.  
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- XIX. **Synthesis and potent antiprotozoal activity of mono/di amidino 2-anilinobenzimidazoles versus Plasmodium falciparum and Trypanosoma brucei rhodesiense**  
Karaaslan C., Kaiser M., Brun R., GÖKER A. H.  
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- XX. **Synthesis and In Vitro Activity of Polyhalogenated 2-phenylbenzimidazoles as a New Class of anti-MRSA and Anti-VRE Agents**  
GÖKER A. H., Karaaslan C., PÜSKÜLLÜ M. O., Yildiz S., DUYDU Y., ÜSTÜNDAĞ A., Yalcin C. O.  
CHEMICAL BIOLOGY & DRUG DESIGN, vol.87, no.1, pp.57-68, 2016 (SCI-Expanded)
- XXI. **Synthesis and anticancer effects of some novel 2-(4-phenoxyphenyl)-1H-benzimidazole derivatives on K562 cell line**  
Gurkan-Alp A. S., GÖKER A. H., ALP M., ÖZKAN T., SUNGUROĞLU A.  
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- XXII. **Synthesis and potent antistaphylococcal activity of some new 2-[4-(3,4-dimethoxyphenoxy) phenyl]-1, N-disubstituted-1H-benzimidazole-5-carboxamidines**  
PÜSKÜLLÜ M. O., Yildiz S., DUYDU Y., ÜSTÜNDAĞ A., GÖKER A. H.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.30, no.2, pp.173-179, 2015 (SCI-Expanded)
- XXIII. **Bis-Benzimidazole Hits against Naegleria fowleri Discovered with New High-Throughput Screens**  
Rice C. A., Colon B. L., ALP M., GÖKER A. H., Boykin D. W., Kyle D. E.

- ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, vol.59, no.4, pp.2037-2044, 2015 (SCI-Expanded)
- XXIV. **Synthesis and cytotoxic evaluation of novel N-substituted amidino-1-hydroxybenzimidazole derivatives**  
ALP M., GÖKER A. H., ÖZKAN T., SUNGUROĞLU A.  
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- XXV. **Isolation and identification of a new sildenafil analogue adulterated in energy drink: Propoxyphenyl sildenafil**  
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- XXVIII. **Synthesis of Some New 1H-Benzimidazole-2-carboxamido Derivatives and Their Antimicrobial Activity**  
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- XXX. **Synthesis and Antistaphylococcal Activity of N-Substituted-1H-benzimidazole-sulphonamides**  
PÜSKÜLLÜ M. O., Yildiz S., GÖKER A. H.  
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- XXXI. **Synthesis and Potent Antifungal Activity Against Candida Species of Some Novel 1H-Benzimidazoles**  
GÖKER A. H., ALP M., ALAGÖZ Z., Yildiz S.  
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- XXXII. **Synthesis, potent anti-staphylococcal activity and QSARs of some novel 2-anilinobenzazoles**  
Oezden S., Atabey D., Yildiz S., Goeker H.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.43, no.7, pp.1390-1402, 2008 (SCI-Expanded)
- XXXIII. **Synthesis and antimicrobial activity of some novel furyl and benzimidazole substituted benzyl ethers**  
Ozel Guven O., ERDOĞAN T., GÖKER A. H., Yildiz S.  
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Güven O. O., Erdogan T., GÖKER A. H., Yildiz S.  
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- XXXV. **Synthesis, crystal and molecular structures of 1-n-butyl-2-(3'-chlorophenyl)-1H-benzimidazole-5-carbonitrile hemihydrate and 1-n-butyl-2-(3',4'-dimethoxyphenyl)-1H-benzimidazole-5-carbonitrile**  
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- XXXVI. **Synthesis and potent antimicrobial activities of some novel retinoidal monocationic benzimidazoles**  
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Archiv der Pharmazie, vol.339, no.2, pp.74-80, 2006 (SCI-Expanded)
- XXXVII. **Synthesis and potent antimicrobial activity of some novel N-(alkyl)-2-phenyl-1H-benzimidazole-5-carboxamidines**  
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- XL. **Synthesis and potent antimicrobial activity of some novel methyl or ethyl 1H-benzimidazole-5-carboxylates derivatives carrying amide or amidine groups**  
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- XLIV. **Synthesis and potent antimicrobial activity of some novel 4-(5,6-dichloro-1H-benzimidazol-2-yl)-N-substituted benzamides**  
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- XLVIII. **2-(2,4-Dichlorophenyl)-5-fluoro-6-morpholin-4-yl-1H-benzimidazole monohydrate**  
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- LV. **Synthesis and antimicrobial activity of some new benzimidazole carboxylates and carboxamides**  
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- LXIII. **Synthesis of 1,2-disubstituted benzimidazole-5(6)-carboxamides and evaluation of their antimicrobial activity**  
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