

## **Assoc. Prof. HÜLYA KARACA ATSAROS**

### **Personal Information**

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### **International Researcher IDs**

ScholarID: gjjWdOwAAAAJ

ORCID: 0000-0002-6578-1341

Publons / Web Of Science ResearcherID: M-4306-2017

ScopusID: 56196896300

Yoksis Researcher ID: 52368

### **Education**

Doctorate, Anadolu University, FEN BİLİMLERİ ENSTİTÜSÜ, Genel Biyoloji (Dr), Turkey 2007 - 2012

Postgraduate, Anadolu University, FEN BİLİMLERİ ENSTİTÜSÜ, Genel Biyoloji (Yl) (Tezli), Turkey 2003 - 2007

Undergraduate, Inonu University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Turkey 1998 - 2003

### **Foreign Languages**

Greek, A2 Elementary

English, B2 Upper Intermediate

### **Dissertations**

Doctorate, Bazı maya türlerinde trehaloz ve glikojen metabolizmasına etki eden faktörlerin analizi, Anadolu University, FEN BİLİMLERİ ENSTİTÜSÜ, Genel Biyoloji (Dr), 2012

Postgraduate, Tekstil boyar maddelerinin mikrobiyal renk giderimi, Anadolu University, FEN BİLİMLERİ ENSTİTÜSÜ, Genel Biyoloji (Yl) (Tezli), 2007

### **Research Areas**

Natural Sciences

### **Academic Positions**

Associate Professor, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2021 - Continues

Assistant Professor, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2013 - 2022  
Research Assistant, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2004 - 2013

## **Academic and Administrative Experience**

Fakülte Yönetim Kurulu Üyesi, Anadolu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2016 - 2017

## **Courses**

### **Postgraduate**

UFM 701 Uzmanlık Alan dersi, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

FTM790 Tez, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

FTM524 Mikrobiyal Metabolizma, Postgraduate, 2018 - 2019, 2016 - 2017

Moleküler Mikrobiyolojik Teknikler, Postgraduate, 2018 - 2019

ECZ875 Mezuniyet Projesi, Postgraduate, 2018 - 2019

FTM501 İleri Farmasötik Mikrobiyoloji, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

Mikoloji, Postgraduate, 2017 - 2018

FTM504 Seminer, Postgraduate, 2017 - 2018, 2016 - 2017

İTB525 Sentetik Biyoloji ve Metabolizma Mühendisliğine Giriş, Postgraduate, 2016 - 2017

UFM702 Uzmanlık Alan Dersi, Postgraduate, 2016 - 2017

İTB592 Seminer, Postgraduate, 2016 - 2017

### **Undergraduate**

ECZ230 Farmasötik Mikrobiyoloji ve İmmünoloji, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Mezuniyet Projesi II, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2013 - 2014

ECZ116 Temel Eczacılık Bilimleri II, Undergraduate, 2018 - 2019

ECZ203 Farmasötik Mikrobiyoloji Uygulamaları, Undergraduate, 2018 - 2019, 2017 - 2018

ECZ227 Temel Eczacılık Bilimleri III, Undergraduate, 2018 - 2019

ECZ229 Farmasötik Mikrobiyoloji, Undergraduate, 2017 - 2018, 2016 - 2017

Mezuniyet Projesi I, Undergraduate, 2017 - 2018, 2016 - 2017, 2013 - 2014

ECZ116 Temel Eczacılık Bilimleri, Undergraduate, 2017 - 2018

ECZ230 Farmasötik Mikrobiyoloji Uygulamaları, Undergraduate, 2016 - 2017

Farmasötik Mikrobiyoloji Uygulamaları, Undergraduate, 2013 - 2014

Mezuniyet Projesi I (Tür) Q6 Grubu, Undergraduate, 2012 - 2013

### **Associate Degree**

YAB 114 Dezenfektanlar ve Kullanımları, Associate Degree, 2016 - 2017

Temel Halk Sağlığı, Associate Degree, 2013 - 2014

Klinik Mikrobiyoloji ve Laboratuvar Uygulamaları, Associate Degree, 2012 - 2013

## **Supervised Theses**

Karaca Atsaros H., S. cerevisiae'de likopen üretimi için gal promotoru ile induklenebilir ekspresyon vektörünün tasarıması, Postgraduate, T.KOLAÇ(Student), 2024

Karaca H., S. cerevisiae'da Asetil- KoA miktarının arttırılmasına yönelik gen modifikasyonlarının gerçekleştirilmesi, Postgraduate, İ.KISACIK(Student), 2022

Karaca H., Bir hücre fabrikası olarak saccharomyces cerevisiae'da metabolizma mühendisliği stratejileri kullanarak taksol üretimi, Postgraduate, Ö.MORÇAL(Student), 2019

Karaca H., Reboksetin kullanımının bağırsak florası üzerine etkisinin biyoinformatik analizi, Postgraduate, S.TEKİNKOCA(Student), 2019

HÜLYA K., Production of taxol precursors with yeast cell factories, Postgraduate, A.MOHAMMAD(Student), 2019

HÜLYA K., Metabolic engineering of Saccharomyces cerevisiae for the production of taxa 4, 5-11, 12 diene, Postgraduate, F.DAGANE(Student), 2019

## Journal articles indexed in SCI, SSCI, and AHCI

- I. Metabolic engineering of *< i>Saccharomyces cerevisiae</i>* for enhanced taxadiene production  
KARACA ATSAROS H., KAYA M., Kapkac H. A., LEVENT S., ÖZKAY Y., Ozan S. D., Nielsen J., Krivoruchko A.  
MICROBIAL CELL FACTORIES, vol.23, no.1, 2024 (SCI-Expanded)
- II. Synthesis of some novel 1,3,4-oxadiazole derivatives and evaluation of their antimicrobial activity  
TOK F., Kaya M., KARACA H., KAYMAKÇIOĞLU B.  
SYNTHETIC COMMUNICATIONS, vol.52, no.6, pp.926-935, 2022 (SCI-Expanded)
- III. Decolorization of reactive blue 13 by *Sporotrichum sp.* and cytotoxicity of biotreated dye solution  
KARACA H., Kisaoglan B., Koparal A. T., Kivanc M.  
WATER ENVIRONMENT RESEARCH, vol.94, no.2, 2022 (SCI-Expanded)
- IV. Synthesis of New Thiazole Derivatives Bearing Thiazolidin-4(5<i>H</i>)-One Structure and Evaluation of Their Antimicrobial Activity  
Evren A. E., YURTTAŞ L., Gencer H.  
BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES, 2022 (SCI-Expanded)
- V. Gut Microbiome Alteration after Reboxetine Administration in Type-1 Diabetic Rats  
Aydin S., ÖZKUL KOÇAK C., TURAN YÜCEL N., KARACA H.  
MICROORGANISMS, vol.9, no.9, 2021 (SCI-Expanded)
- VI. Synthesis of some novel 3,4,5-trisubstituted triazole derivatives bearing quinoline ring and evaluation of their antimicrobial activity  
YURTTAŞ L., Kubilay A., Evren A. E., Kisacik I., Karaca Gencer H.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, no.9, pp.767-773, 2020 (SCI-Expanded)
- VII. Novel imidazole derivatives as antifungal agents: Synthesis, biological evaluation, ADME prediction and molecular docking studies  
Altindag F. D., SAĞLIK B. N., ACAR ÇEVİK U., İŞIKDAĞ İ., ÖZKAY Y., Gencer H.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.194, no.9, pp.887-894, 2019 (SCI-Expanded)
- VIII. Design and evaluation of biological activities of 1,3-oxazolidinone derivatives bearing amide, sulfonamide, and thiourea moieties  
Karaman N., Zainel R. A., KAPKAÇ H. A., Gencer H., ILGIN S., KARADUMAN A. B., Karakucuk-Iyidogan A., Oruc-Emre E. E., KAYMAKÇIOĞLU B.  
ARCHIV DER PHARMAZIE, vol.351, no.9, 2018 (SCI-Expanded)
- IX. Synthesis of New Thiazolyl-pyrazoline Derivatives and Evaluation of Their Antimicrobial, Cytotoxic and Genotoxic Effects  
SEVER B., ALTINTOP M. D., Gencer H., KAPKAÇ H. A., ATLI EKLİOĞLU Ö., BAYSAL M., ÖZDEMİR A.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.15, no.7, pp.744-756, 2018 (SCI-Expanded)
- X. A New Series of Pyrrole-Based Chalcones: Synthesis and Evaluation of Antimicrobial Activity, Cytotoxicity, and Genotoxicity  
ÖZDEMİR A., ALTINTOP M. D., SEVER B., Gencer H., KAPKAÇ H. A., ATLI EKLİOĞLU Ö., BAYSAL M.  
MOLECULES, vol.22, no.12, 2017 (SCI-Expanded)
- XI. New Benzimidazole-1,2,4-Triazole Hybrid Compounds: Synthesis, Anticandidal Activity and Cytotoxicity Evaluation  
Gencer H., Acar Çevik U., Levent S., Sağlık B. N., Korkut Çelikates B., Özkay Y., Ilgin S., Öztürk Y.  
MOLECULES, vol.22, no.4, 2017 (SCI-Expanded)
- XII. New 1,4-dihydro[1,8]naphthyridine derivatives as DNA gyrase inhibitors  
Gencer H., LEVENT S., ACAR ÇEVİK U., ÖZKAY Y., Ilgm S.  
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.27, no.5, pp.1162-1168, 2017 (SCI-Expanded)
- XIII. Design, synthesis, and evaluation of novel 2-phenylpropionic acid derivatives as dual COX inhibitory-antibacterial agents  
Gencer H., ACAR ÇEVİK U., KAYA ÇAVUŞOĞLU B., SAĞLIK B. N., LEVENT S., ATLI EKLİOĞLU Ö., ILGIN S., ÖZKAY Y., KAPLANCIKLI Z. A.

- JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.32, no.1, pp.732-745, 2017 (SCI-Expanded)
- XIV. **Antimicrobial and Cytotoxic Evaluation of New Quinazoline Derivatives**  
Turan-Zitouni G., YURTTAŞ L., Saka G., CANTÜRK Z., Gencer H., BAYSAL M., KAPLANCIKLI Z. A.  
NATURAL PRODUCT COMMUNICATIONS, vol.11, no.11, pp.1645-1648, 2016 (SCI-Expanded)
- XV. **Synthesis, Antituberculotic, and Cytotoxic Properties of New Hydrazone Derivatives Bearing Pyrimidine-Alkylsulfanyl Moiety**  
YURTTAŞ L., KAPLANCIKLI Z. A., CANTÜRK Z., Gencer H.  
Phosphorus, Sulfur and Silicon and the Related Elements, vol.190, no.7, pp.1183-1191, 2015 (SCI-Expanded)
- XVI. **Synthesis of Some New Thiazole Derivatives and Their Biological Activity Evaluation**  
YURTTAŞ L., ÖZKAY Y., Gencer H., ACAR ÇEVİK U.  
JOURNAL OF CHEMISTRY, vol.2015, 2015 (SCI-Expanded)
- XVII. **Synthesis and Evaluation of Bis-pyrazoline Derivatives as Potential Antimicrobial Agents**  
ALTINTOP M. D., Abu Mohsen U., KARACA H., CANTÜRK Z., ÖZDEMİR A.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.11, no.10, pp.1199-1203, 2014 (SCI-Expanded)
- XVIII. **Synthesis and Biological Evaluation of Some Novel Dithiocarbamate Derivatives**  
SAĞLIK B. N., ÖZKAY Y., DEMİR ÖZKAY Ü., Gencer H.  
JOURNAL OF CHEMISTRY, vol.2014, 2014 (SCI-Expanded)
- XIX. **Synthesis and initial biological evaluation of substituted 1-phenylamino-2-thio-4,5-dimethyl-1H-imidazole derivatives**  
YURTTAŞ L., DURAN M., DEMİRAYAK Ş., Gencer H., TUNALI Y.  
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.23, no.24, pp.6764-6768, 2013 (SCI-Expanded)
- XX. **Synthesis and antimicrobial activity of some new hydrazone-bridged thiazole-pyrrole derivatives**  
YURTTAŞ L., ÖZKAY Y., KAPLANCIKLI Z. A., TUNALI Y., KARACA H.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.28, no.4, pp.830-835, 2013 (SCI-Expanded)
- XXI. **Synthesis and Antimicrobial Evaluation of Some 2,5-Disubstituted Benzimidazole Derivatives**  
YURTTAŞ L., ÖZKAY Y., KARACA H., TUNALI Y., KAPLANCIKLI Z. A.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.10, no.6, pp.486-491, 2013 (SCI-Expanded)
- XXII. **Synthesis and Biological Evaluation of Pyrazoline Derivatives Bearing an Indole Moiety as New Antimicrobial Agents**  
ÖZDEMİR A., ALTINTOP M. D., KAPLANCIKLI Z. A., Turan-Zitouni G., KARACA H., TUNALI Y.  
ARCHIV DER PHARMAZIE, vol.346, no.6, pp.463-469, 2013 (SCI-Expanded)
- XXIII. **Antimicrobial and anticancer effects of some 2-(substitutedsulfanyl)-N-(5-methyl-isoxazol-3-yl)acetamide derivatives**  
ÖZKAY Y., Incesu Z., Onder N. I., TUNALI Y., KARACA H., İŞIKDAĞ İ., Ucucu U.  
MEDICINAL CHEMISTRY RESEARCH, no.1, pp.211-218, 2013 (SCI-Expanded)
- XXIV. **Antibacterial and antifungal activities of some trimethoprim salts**  
TUNALI Y., KARACA H., İŞCAN G., DEMİRCİ F., BENKLİ K.  
MEDICINAL CHEMISTRY RESEARCH, vol.21, no.6, pp.932-935, 2012 (SCI-Expanded)
- XXV. **Antimicrobial Activity of a New Series of Benzimidazole Derivatives**  
ÖZKAY Y., TUNALI Y., KARACA H., İŞIKDAĞ İ.  
ARCHIVES OF PHARMACAL RESEARCH, vol.34, no.9, pp.1427-1435, 2011 (SCI-Expanded)
- XXVI. **Antimicrobial Activity of a New Combination System of Benzimidazole and Various Azoles**  
ÖZKAY Y., TUNALI Y., KARACA H., İŞIKDAĞ İ.  
ARCHIV DER PHARMAZIE, vol.344, no.4, pp.264-271, 2011 (SCI-Expanded)
- XXVII. **Synthesis and antimicrobial activity of some novel benzimidazole hydrazides**  
Özkay Y., Tunali Y., Karaca H., Isikdag I.  
ASIAN JOURNAL OF CHEMISTRY, vol.23, no.4, pp.1503-1508, 2011 (SCI-Expanded)
- XXVIII. **Antimicrobial activity and a SAR study of some novel benzimidazole derivatives bearing hydrazone moiety**  
ÖZKAY Y., TUNALI Y., KARACA H., İŞIKDAĞ İ.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.45, no.8, pp.3293-3298, 2010 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Genetic and biochemical analysis of the reserve carbohydrate metabolism in *Candida albicans* and *Candida rugosa***  
KARACA GENÇER H., KIVANÇ M., TÜRKEL S.  
Advanced Studies in Biology, vol.10, no.2, pp.61-77, 2018 (Peer-Reviewed Journal)
- II. **Design and Synthesis of New 1,3,4-Oxadiazole - Benzothiazole and Hydrazone Derivatives as Promising Chemotherapeutic Agents**  
KAYA ÇAVUŞOĞLU B., Hussin W., YURTTAŞ L., Turan-Zitouni G., Gencer H., BAYSAL M., KARADUMAN A. B., KAPLANCIKLİ Z. A.  
DRUG RESEARCH, vol.67, no.5, pp.275-282, 2017 (ESCI)
- III. **Synthesis of thiazole-phenylacetic acid compounds as dual antibacterial-COX enzymes inhibitors**  
Gencer H.  
CUKUROVA MEDICAL JOURNAL, vol.42, no.4, pp.743-748, 2017 (ESCI)
- IV. **Microwave assisted synthesis of some 1 2 4 5 tetrasubstituted imidazole derivatives as antimicrobial agents**  
ACAR U., LEVENT S., ÖZKAY Y., KARACA GENÇER H., CANTÜRK Z., TUNALI Y., UÇUCU Ü.  
European International Journal of Science and Technology, vol.5, 2016 (Peer-Reviewed Journal)
- V. **Synthesis And Antimicrobial Activity Of Some Novel Quinoxaline Hydrazones.**  
başyığıt e., ACAR U., ÖZKAY Y., KARACA GENÇER H., UÇUCU Ü.  
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi :A-Uygulamalı Bilimler ve Mühendislik, 2015 (Peer-Reviewed Journal)
- VI. **Synthesis and biological screening of some novel triazole derivatives Bazı yeni triazol türevlerinin sentezi ve biyolojik aktivilerinin incelenmesi**  
Acar U., Abumohsen U., ÖZKAY Y., KARACA H., KAPLANCIKLİ Z. A.  
Turkish Journal of Pharmaceutical Sciences, vol.12, no.2, pp.221-230, 2015 (Scopus)
- VII. **Synthesis and biological evaluation of some new amide moiety bearing quinoxaline derivatives as antimicrobial agents**  
Abu Mohsen U., YURTTAŞ L., Acar U., ÖZKAY Y., Kaplakılık Z., Karaca Gencer H., CANTÜRK Z.  
Drug Research, vol.65, no.5, pp.266-271, 2015 (ESCI)
- VIII. **Synthesis and biological screening of some novel triazole derivatives**  
ACAR U., Usama A. M., ÖZKAY Y., KARACA GENÇER H., KAPLANCIKLİ Z. A.  
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.12, no.2, pp.221-230, 2015 (Scopus)
- IX. **Aspergillus niveus ve Fusarium moniliforme ile Blue 13 boyasının renk giderimi**  
KARACA GENÇER H., KIVANÇ M.  
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi :C-Yaşam Bilimleri ve Biyoteknoloji, vol.2, no.1, pp.21-30, 2012 (Peer-Reviewed Journal)
- X. **Biyokoruyucu olarak Laktik Asit Bakterileri ve Bakteriyosinler**  
DİNÇER E., KIVANÇ M., KARACA GENÇER H.  
GIDA, vol.35, no.1, pp.55-62, 2010 (Peer-Reviewed Journal)
- XI. **Kinetics of lead ion biosorption from aqueous solution onto lyophilized *Aspergillus niveus***  
KARACA H., Tay T., KIVANÇ M.  
WATER PRACTICE AND TECHNOLOGY, vol.5, no.1, 2010 (ESCI)
- XII. **Metabolik Mühendisliğinde laktik asit bakterileri**  
KARACA GENÇER H., DİNÇER E., KIVANÇ M.  
AKADEMIK GIDA, vol.8, pp.32-38, 2010 (Peer-Reviewed Journal)
- XIII. **Yeni Beta Laktamaz İnhibitorlarının Araştırılması**  
TUNALI Y., KARACA GENÇER H., ÖZTÜRK Y., korkmaz s.  
Anadolu Üniveristesı Bilim ve Teknoloji Dergisi, vol.10, pp.565-575, 2009 (Peer-Reviewed Journal)

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Effect of Farnesyl Diphosphate Synthase (ERG20) On Taxadiene Production**  
KARACA GENÇER H.  
International Conference on Medical, Biological and Pharmaceutical Sciences, 25 February 2020, (Summary Text)
- II. **Structural changes in gut microbiome of diabetic mice after Reboxetine treatment**  
TEKİNKOCA S., ÖZKUL KOÇAK C., KARACA GENÇER H.  
Helicobacter, Austria, 5 - 07 September 2019, (Summary Text)
- III. **Bioactive Metabolite Extraction by Brevibacterium and their Biological Activities**  
TUNALI Y., CANTÜRK Z., KARACA GENÇER H., ÖZKAY Y., UÇUCU Ü., IŞIKDAĞ İ.  
1st International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), 22 - 23 November 2018, (Full Text)
- IV. **Isolation, Characterization and Identification of Different Actinomycetes Strain from Forest Soils**  
TUNALI Y., CANTÜRK Z., KARACA GENÇER H., ÖZKAY Y., UÇUCU Ü., IŞIKDAĞ İ.  
1st International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), 22 - 23 November 2018, (Full Text)
- V. **Pseudohifsel gelişimin maya suşlarında depo karbonhidrat metabolizmasına etkileri**  
KARACA GENÇER H., KIVANÇ M., TÜRKEL S.  
II. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Antalya, Turkey, 15 November 2012 - 18 November 2018, (Summary Text)
- VI. **Evaluation of Candida albicans GSY1 gene promoter as Cd inducible promoter**  
KARACA GENÇER H., KAPKAÇ H. A.  
European Biotechnology Congress, 2018, Athens, Greece, 26 - 28 April 2018, (Summary Text)
- VII. **Synthesis and antimicrobial activity of amide sulfonamide and thiourea derivatives bearing 1,3-oxazolidinones**  
KARAMAN N., KARAKUCUK İYİDOĞAN A., KAYMAKÇIOĞLU B., KAPKAÇ H. A., KARACA GENÇER H., ILGIN S., KARADUMAN A. B., ZAİNEL A., ORUÇ EMRE E.  
12. International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018, (Summary Text)
- VIII. **Design and synthesis and antimicrobial activities of triazole derivatives**  
Kubilay A., EVREN A. E., YURTTAŞ L., KISACIK İ., KARACA GENÇER H.  
12 th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018, (Summary Text)
- IX. **Synthesis and Antimicrobial Activity of Amide, Sulfonamide and Thiourea Derivatives Bearing 1,3-Oxazolidinones**  
KARAMAN N., İYİDOĞAN A., KAYMAKÇIOĞLU B., KAPKAÇ H. A., KARACA GENÇER H., ILGIN S., KARADUMAN A. B., ADİL ZAINEL R., EMRE E. E.  
12nd International Symposium on Pharmaceutical Sciences, ISOPS-12, 26 - 29 June 2018, (Summary Text)
- X. **Design, synthesis and antimicrobial activities of triazole derivatives**  
Kubilay A., Evren A. E., YURTTAŞ L., Kisacik İ., KARACA GENÇER H.  
12th International Symposium on Pharmaceutical Sciences (ISOPS-12), 26 - 29 June 2018, (Summary Text)
- XI. **Anticancer Activities of Gallic Acid**  
TUNALI Y., CANTÜRK Z., KARACA GENÇER H., ÖZKAY Y., UÇUCU Ü., IŞIKDAĞ İ.  
International Meeting on Education and Research in Health Sciences (IMER-HS), 3 - 05 November 2017, (Summary Text)
- XII. **Metabolic engineering of S. cerevisiae for production of taxadiene**  
KARACA GENÇER H.  
Turkish-Japanese Workshop on Bioorganic Medicinal Chemistry Natural Products, 14 September 2017, (Summary Text)
- XIII. **New 2,4-Disubstituted Thiazoles and their Antimicrobial Activiy**  
YURTTAŞ L., KARACA GENÇER H.  
AIMECS2017, Chemistry in Drug Discovery, Design and Development, 23 - 26 July 2017, (Summary Text)
- XIV. **A series of Pyrazoline Derivatives as Potent Anticandidal Agents**

- ÖZDEMİR A., ALTINTOP M. D., SEVER B., KARACA GENÇER H., ATLI EKLİOĞLU Ö.  
IVEK, 26 - 29 April 2017, (Summary Text)
- XV. **Antifungal Activities and Brine Shrimp Lethality Test of Gallic Acid**  
TUNALI Y., CANTÜRK Z., KARACA GENÇER H., ÖZKAY Y., UÇUCU Ü., İŞIKDAĞ İ.  
Uluslararası İlaç ve Eczacılık Kongresi, 26 - 29 April 2017, (Summary Text)
- XVI. **Fusidik Asidin Probiyotik ve Patojen Mikroorganizma Türleri Üzerindeki in-vitro Aktivitesi**  
ÖZTÜRK Y., KARACA GENÇER H., ÇİMÇİK A.  
IVEK, 26 - 29 April 2017, (Summary Text)
- XVII. **Production of taxol precursor taxadiene in engineered yeast**  
KARACA GENÇER H., KRIVORUCHKO A., NIELSEN J.  
3. İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 26 - 29 April 2017, (Summary Text)
- XVIII. **Synthesis, Characterization and Molecular Docking Study of Some Novel Fluroquinolone Derivatives as Potential DNA Gyrase Inhibitors**  
ACAR U., LEVENT S., KARACA GENÇER H., ÖZKAY Y., ILGIN S.  
IVEK, 26 - 29 April 2017, (Summary Text)
- XIX. **Synthesis characterization and molecular docking study of some novel fluroquinolone derivatives as potential DNA gyrase inhibitors**  
ACAR ÇEVİK U., LEVENT S., KARACA GENÇER H., ÖZKAY Y., ILGIN S.  
IVEK, 26 - 29 April 2017, (Summary Text)
- XX. **Synthesis and Anticandidal Activity of New Benzimidazole- 1,2,4-Triazole Derivatives**  
SAĞLIK B. N., ACAR ÇEVİK U., KARACA GENÇER H., ILGIN S., KORKUT B., ÖZKAY Y.  
IVEK, 26 - 29 April 2017, (Summary Text)
- XXI. **S cerevisiae da Taksol öncülerinin metabolizma mühendisliği yöntemi ile eldesi**  
KARACA GENÇER H., KRIVORUCHKO A., NIELSEN J.  
23. Ulusal Biyoloji Kongresi, Turkey, 5 - 09 September 2016, (Summary Text)
- XXII. **Metabolizma mühendisliği ile taksadien üreten Maya Hücre Fabrikaları Oluşturulması**  
KARACA GENÇER H., KRIVORUCHKO A., NIELSEN J.  
Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Turkey, 18 - 21 July 2016, (Summary Text)
- XXIII. **Synthesis of Some 2 2 Benzylidenehydrazinyl 6 7 dimethoxyquinazolin 4 amine Derivatives and Their Antimicrobial and Cytotoxic Activity Evaluation**  
TURAN G., KAPLANCIKLI Z. A., YURTTAŞ L., CANTÜRK Z., KARACA GENÇER H., BAYSAL M.  
8th International Symposium on Computational Methods in Toxicology and Pharmacology Integrating Internet Resources, 21 - 25 June 2015
- XXIV. **SYNTHESIS AND ANTIMICROBIAL EFFECTS OF SOME NEW 1 3 4 THIADIAZOLE DERIVATIVES**  
İŞIKDAĞ İ., ÖZKAY Y., UÇUCU Ü., KARACA GENÇER H., CANTÜRK Z., TUNALI Y.  
Spanish-Italian Medicinal Chemistry Congress, Spain, 12 - 15 July 2015, (Summary Text)
- XXV. **Synthesis of some 2 2 benzylidenehydrazinyl 6 7 dimethoxyquinazolin 4 amine derivatives and their antimicrobial and cytotoxic activity evaluation**  
Turan G., Kaplancıklı Z. A., Yurttaş L., Cantürk Z., Karaca Gençer H., Baysal M.  
8th international Symposium on Computational Methods in Toxicology and Pharmacology Integrating Internet Resources, Samos, Greece, 21 - 25 June 2015, pp.61, (Full Text)
- XXVI. **Synthesis of Some 2 2 Benzylidenehydrazinyl 6 7 Dimethoxyquinazolin 4 Amine Derivatives and Tehir Antimicrobial and Cytotoxic Activity Evalution**  
TURAN G., KAPLANCIKLI Z. A., YURTTAŞ L., CANTÜRK Z., KARACA GENÇER H., BAYSAL M.  
8. International Symposium on Computational Methods in Toxicology and Pharmacology Integrating Internet Resources, Chios, Greece, 21 - 25 June 2015, (Summary Text)
- XXVII. **Synthesis and antimicrobial effects of some new 1 2 3 thiadiazole derivatives**  
İŞIKDAĞ İ., ÖZKAY Y., UÇUCU Ü., KARACA GENÇER H., CANTÜRK Z., TUNALI Y.  
Spanish-Italian Medicinal Chemistry congress, 10 - 12 June 2015, pp.70
- XXVIII. **Synthesis and antimicrobial effects of some new benzothiazole derivatives** XXIII Uluslararası  
Medisinal Kimya Sempozyumu EFMC ISMC 2014 2014

- İŞİKDAĞ İ., ÖZKAY Y., UÇUCU Ü., KARACA GENÇER H., CANTÜRK Z.  
EFMC/ISMC, Portugal, 7 - 11 October 2014, (Summary Text)
- XXIX. **Antimicrobial activity of some new 1 2 4 5 tetrasubstituted imidazole derivatives**  
UÇUCU Ü., ÖZKAY Y., İŞİKDAĞ İ., KARACA GENÇER H., CANTÜRK Z., TUNALI Y.  
(EFMC ISMC, 7 - 11 October 2014, (Summary Text)
- XXX. **Yurttaş L Kaplancıklı Z A Cantürk Z Karaca Gencer H Antituberculotic and cytotoxic properties of new hydrazone derivatives III International Conference on Antimicrobial Research ICAR2014 Madrid Spain 1 3 Ekim 2014 T69 p288 2014**  
YURTTAŞ L., KAPLANCIKLİ Z. A., CANTÜRK Z., KARACA GENÇER H.  
ICAR2014, Madrid, Spain, 1 - 03 October 2014, (Summary Text)
- XXXI. **Synthesis and Antimicrobial Effects of Some New Benzothiazole Derivates**  
TUNALI Y., CANTÜRK Z., KARACA GENÇER H., ÖZKAY Y., UÇUCU Ü., İŞİKDAĞ İ.  
XXIII.Uluslararası Medisinal Kimya Sempozyumu (EFMC ISMC 2014), 1 - 03 June 2014, (Summary Text)
- XXXII. **Antimicrobial Activity Of Some New 1,2,4,5-Tetrasubstituted Imidazole Derivatives**  
ÖZKAY Y., KARACA GENÇER H., TUNALI Y., UÇUCU Ü., İLHAN I., CANTÜRK Z.  
XXIII.Uluslararası Medisinal Kimya Sempozyumu (EFMC ISMC 2014), 1 - 03 June 2014, (Summary Text)
- XXXIII. **Antimicrobial Activity Of Some Multifluorinated Imidazole Derivatives**  
TUNALI Y., CANTÜRK Z., KARACA GENÇER H., ÖZKAY Y., İLHAN I., UÇUCU Ü., UÇUCU Ü.  
Uluslararası Medisinal Kimya Konferansı (Rict 2013, 3 - 05 July 2013, (Summary Text)
- XXXIV. **Synthesis Of Novel Quinoxaline Derivatives As Antimicrobial Agents**  
TUNALI Y., CANTÜRK Z., KARACA GENÇER H., ÖZKAY Y., İLHAN I., UÇUCU Ü.  
Uluslararası Medisinal Kimya Konferansı (RICT-2013), 3 - 05 July 2013, (Summary Text)
- XXXV. **SYNTHESIS OF NOVEL QUINOXALINE DERIVATIVES AS ANTIMICROBIAL AGENTS**  
İŞİKDAĞ İ., ÖZKAY Y., UÇUCU Ü., TUNALI Y., KARACA GENÇER H., CANTÜRK Z.  
RICT 2013, Nice, France, 3 - 05 July 2013, (Summary Text)
- XXXVI. **ANTIMICROBIAL ACTIVITY OF SOME MULTIFLUORINATED IMIDAZOLE DERIVATIVES Uluslararası Medisinal Kimya Konferansı RICT 2013 2013**  
UÇUCU Ü., ÖZKAY Y., İŞİKDAĞ İ., TUNALI Y., KARACA GENÇER H., CANTÜRK Z.  
RICT 2013, Nice, France, 3 - 05 July 2013, (Summary Text)
- XXXVII. **Studies on Pyrazoline Derivatives as Antimicrobial Agents**  
VARSAK M., TUNALI Y., KARACA GENÇER H., ÖZDEMİR A., ALTINTOP M. D., KAPLANCIKLİ Z. A., ZİTOUNİ G.  
10 th International Symposium on Pharmaceutical Sciences (ISOPS), 26 - 29 June 2012, (Summary Text)
- XXXVIII. **Synthesis and Antimicrobial Activity of Chalcone Derivatives Bearing Indole Moiety**  
ÖZDEMİR A., ALTINTOP M. D., KAPLANCIKLİ Z. A., ZİTOUNİ G., TUNALI Y., KARACA GENÇER H.  
15. Hellenic Symposium on Medicinal Chemistry, 25 - 27 May 2012, (Summary Text)
- XXXIX. **Synthesis of novel Imidazole Derivatives as Antifungal Agents**  
ÖZKAY Y., KARACA GENÇER H., TUNALI Y.  
15. Hellenic Symposium on Medicinal Chemistry, 25 - 27 May 2012, (Summary Text)
- XL. **Synthesis of novel imidazole derivatives as antifungal agents**  
Özkay Y., Yurttaş L., Tunalı Y., Karaca Gençer H.  
15. Hellenic Symposium on Medicinal Chemistry, Athens, Greece, 25 - 27 May 2012, pp.82, (Summary Text)
- XLI. **Synthesis and antimicrobial activity of some new hydrazone bridged pyrrole thiazole derivatives**  
YURTTAŞ L., ÖZKAY Y., KAPLANCIKLİ Z. A., KARACA GENÇER H., TUNALI Y.  
15th Hellenic Symposium on Medicinal Chemistry (HSMC-15), 25 - 27 May 2012, (Summary Text)
- XLII. **Antimicrobial Activity of Some Isoxazole Derivatives**  
KARACA GENÇER H., TUNALI Y., ÖZKAY Y., İLHAN I., UÇUCU Ü.  
4th BBBB-Bled International Conference on Pharmaceutical Sciences-New Trends in Drug Discovery, Delivery Systems and Laboratory Diagnostics Location, Bled, Solovenia, 29 - 30 September 2011, (Full Text)
- XLIII. **Synthesis and Antimicrobial Activity of New Imidazole Derivatives**  
ÖZKAY Y., UÇUCU Ü., İLHAN I., TUNALI Y., CANTÜRK Z., KARACA GENÇER H.  
4th International Symposium on Synthetic and Medicinal Chemistry (ASMC-11), 21 - 23 August 2011, (Summary

- Text)
- XLIV. **Kontrollü Salım Sistemi Taşıyıcı Destek Materyali Olarak Hazırlanan Kompozit Membranların Sitotoksitesinin Değerlendirilmesi**  
TUNALI Y., ARICA M. Y., CANTÜRK Z., KARACA GENÇER H., BAYRAMOĞLU G.  
24. Ulusal Kimya Kongresi, Turkey, 29 June - 02 July 2010, (Summary Text)
- XLV. **The Investigation of the New Beta-lactamase Inhibitors**  
TUNALI Y., CANTÜRK Z., KARACA GENÇER H., ÖZTÜRK Y., KORKMAZ S.  
Third International Meeting on Pharmacy and Pharmaceutical Sciences (IMPPS-3), 9 - 12 June 2010, (Summary Text)
- XLVI. **Synthesis and Antimicrobial Activities of Some Novel Benzimidazole Hydrazone Derivates**  
ÖZKAY Y., TUNALI Y., KARACA GENÇER H., İLHAN I.  
Third International Meeting on Pharmacy and Pharmaceutical Sciences (IMPPS-3), 9 - 12 June 2010, (Summary Text)
- XLVII. **The Investigation of the New Beta Lactamase Inhibitors**  
TUNALI Y., KARACA GENÇER H., CANTÜRK Z., KORKMAZ S., ÖZTÜRK Y.  
Third International Meeting on Pharmacy and Pharmaceutical Sciences, 9 June - 12 July 2010, (Summary Text)
- XLVIII. **Bazı Antifungal Benzimidazol Türevlerinin Brine Shrimp Testi ile Toksisitelerinin Belirlenmesi**  
TUNALI Y., KARACA GENÇER H., ÖZKAY Y., İLHAN I.  
Klinik Toksikoloji Derneği, XV. Kongresi, Turkey, 15 May 2010 - 19 May 1010, (Summary Text)
- XLIX. **Bazı antifungal benzimidazole türevlerinin brine shrimp testi ile toksisitelerinin belirlenmesi**  
ÖZKAY Y., TUNALI Y., KARACA GENÇER H., İŞIKDAĞ İ.  
15. Klinik Toksikoloji Derneği Kongresi, Turkey, 15 - 19 May 2010, (Summary Text)
- L. **Total Phenols and Antimicrobial Activity of some Turkish Salvia Species**  
KARACA GENÇER H., CANTÜRK Z., TUNALI Y., KOYUNCU O., ÖZTÜRK N.  
8 th International Symposium on the Chemistry of Natural Compounds (8 th SCNC), 15 - 17 June 2009, (Summary Text)
- LI. **Antimicrobial Activities of Some Newly Synthesized Benzimidazole Derivatives Bearing hydrozone Moiety**  
ÖZKAY Y., KARACA GENÇER H., TUNALI Y., İLHAN I.  
9 th International Symposium on Pharmaceutical Sciences (ISOPS), 23 - 26 June 2009, (Summary Text)
- LII. **Biosorption of Lead (II) Ions by Lyophilized Aspergillus niveus**  
KARACA GENÇER H., TUNALI Y., KIVANÇ M., TAY T., TÜRK H.  
Water Micro 2007, 14 th International Symposium on Health-Related Water Microbiology, 9 - 15 September 2007, (Summary Text)
- LIII. **A. niveus'xx un Blue 13 Boyasını Dekolorizasyonu**  
TUNALI Y., KARACA GENÇER H., KIVANÇ M.  
VII. Ulusal Kromatografi Kongresi Kitabı, 61, Kırıkkale Üniversitesi Fen-Edebiyat Fakültesi, Kırıkkale, (2007), Turkey, 13 - 15 June 2007, (Summary Text)
- LIV. **A. niveus ile Cu(II) İyonlarının Adsorpsiyonunun Araştırılması**  
TUNALI Y., KARACA GENÇER H., TAY T., KIVANÇ M., TÜRK H.  
VII. Ulusal Kromatografi Kongresi Kitabı, 18, Kırıkkale Üniversitesi Fen-Edebiyat Fakültesi, Kırıkkale, (2007), Turkey, 13 - 15 June 2007, (Summary Text)
- LV. **A. niveus ile Cu(II) iyonlarının adsorpsiyonun araştırılması**  
KARACA GENÇER H., TAY T., TUNALI Y., KIVANÇ M., TÜRK H.  
VII. Ulusal kromatografi kongresi, Kırıkkale, Turkey, 13 - 15 June 2007, (Summary Text)
- LVI. **A. niveus Tarafından Dekolorizasyonu Gerçekleştirilen Blue 13 Boyasının Sitotoksitesinin Araştırılması**  
TUNALI Y., KARACA GENÇER H., KIVANÇ M., KOPARAL A. T.  
II. Disiplinlerarası Toksikoloji Kongresi, Turkey, 18 - 20 May 2007, (Summary Text)
- LVII. **Decolorization of Blue 13 by Fungal Pellets**  
KARACA GENÇER H., TUNALI Y., KIVANÇ M.

- 11 th International Symposium on Microbial Ecology-ISME-11, 17 - 22 August 2006, (Summary Text)
- LVIII. A multi-camera vision system for real-time tracking of parcels moving on a conveyor belt**  
KARACA H., AKINLAR C.  
20th International Symposium on Computer and Information Sciences, ISCIS 2005, İstanbul, Turkey, 26 - 28 October 2005, vol.3733 LNCS, pp.708-717, (Full Text)
- LIX. Tekstil Boyar Maddelerinin Renk Gideriminde Mikroorganizmaların Kullanılabilirliğinin Araştırılması**  
TUNALI Y., KARACA GENÇER H., KIVANÇ M.  
XIV. Biyoteknoloji Kongresi Bildiri ve Poster Kitabı, Eskişehir, (2005), Turkey, 31 August - 02 September 2005, (Summary Text)
- LX. Tekstil Boyar Maddelerinin Renk Gideriminde Mikroorganizmaların kullanılabilirliğinin araştırılması**  
KARACA GENÇER H., TUNALI Y., KIVANÇ M.  
14. Ulusal Biyoteknoloji Kongresi, Turkey, 31 August - 02 September 2005, (Summary Text)

## Funded Projects

- KARACA H., Project Supported by Higher Education Institutions, S. cerevisiae mitokondriyal asetilCoA yollığının sitoplazmik asetil CoA yolğına yönlendirilmesi, 2021 - Continues
- KARACA H., Project Supported by Higher Education Institutions, S. cerevisiae'da likopen üretimi, 2020 - Continues
- Baysal M., Athı Eklioğlu Ö., İlgin S., Karaduman A. B., Korkut Çelikateş B., Karaca Atsaros H., Özkul Koçak C., Harati R., Toklu R. D., Project Supported by Higher Education Institutions, 2023 - 2025
- KARACA H., Maya Hücre Fabrikaları ile Taksol Öncülerinin Üretimi-TUBİTAK 1001, 2017 - 2021
- KARACA H., Project Supported by Higher Education Institutions, Bazı yeni piridin halkası taşıyan moleküllerin sentezi, yapılarının aydınlatılması, biyolojik aktivitelerinin incelenmesi, 2019 - 2020
- Karaca Atsaros H., Öztürk A. A., Project Supported by Higher Education Institutions, Düşük Doz Kullanım İle Yüksek Antimikrobiyal Aktivite Gösteren Klaritromisin Yüklü Kitosan Kaplı PLGA Nanopartiküllerinin Hazırlanması ve Antimikrobiyal Etkinliğinin Değerlendirilmesi, 2018 - 2020
- ÖZTÜRK Y., KARACA H., Project Supported by Higher Education Institutions, Metabolizma mühendisliği yaklaşımları ile S. cerevisiae'da Taksol öncüsü Taksa 4,5-diyen-11,12' nin üretimi, 2017 - 2020
- KARACA H., Project Supported by Higher Education Institutions, Taxus baccata GGPPS Geninin Biyoinformatik Olarak Oluşturulması ve S. cerevisiae'xxda Klonlanması, 2018 - 2019
- Akyıl E., Karaca H., Öztürk A. A., Project Supported by Higher Education Institutions, Preparation of clarithromycin-loaded chitosan-coated PLGA nanoparticles with high antimicrobial activity with low dose use and evaluation of antimicrobial activity, 2018 - 2019
- Karaca Atsaros H., Demirel M., Başaran E., Project Supported by Higher Education Institutions, Posakonazol içeren polimerik nanopartiküllerin formülasyon çalışmaları, 2017 - 2018
- KARACA H., DEMİREL M., Project Supported by Higher Education Institutions, Posakonazol İçeren Polimerik Nanopartiküllerin Foirmülasyon Çalışmaları, 2017 - 2018
- KARACA H., Project Supported by Higher Education Institutions, Bazı yeni hidrazon türevi bileşiklerin antimikrobiyal aktivitelerinin yeni alternatif teknikler ile belirlenmesi, 2016 - 2017
- KARACA H., Project Supported by Higher Education Institutions, Farmasötik Mikrobiyoloji Laboratuvarında MICe Alternatif Fluoressans, Luminesans Tekniklerin Rutin Kullanılır Hale Getirilmesi, 2016 - 2017
- KARACA H., Project Supported by Higher Education Institutions, Bazı N -(4-Sübstitüfenil) -2-Heteroarilsulfanil Asetamid Türevlerinin Sentezleri ve Kolinesteraz Enzimleri Üzerine Etkilerinin İncelenmesi, 2012 - 2016
- KARACA H., Other International Funding Programs, Yeast Cell Factories for Production of Taxadiene, 2014 - 2015
- TUNALI Y., ÖZKAY Y., CANTÜRK Z., KARACA H., Project Supported by Higher Education Institutions, Bazı İmidazol Bileşiklerinin Sentezi ve Kantitatif Yapı Antimikrobiyal Aktivite İlişkilerinin İncelenmesi, 2011 - 2014
- TUNALI Y., ÖZKAY Y., KARACA H., CANTÜRK Z., Project Supported by Higher Education Institutions, Bazı Kinoksalin Türevlerinin Sentezi ve Kantitatif Yapı Antimikrobiyal Aktivite İlişkilerinin İncelenmesi, 2011 - 2014
- KARACA H., Project Supported by Higher Education Institutions, Bazı Maya Türlerinde trehaloz ve glikojen

metabolizmasına etki eden faktörlerin analizi, 2009 - 2013

KARACA H., CANTÜRK Z., Project Supported by Higher Education Institutions, NIH3T3 Hücre Hattının Poli Hema Egdma Hidrojellerine Yapışabilme Canlılık ve Sitotoksisite Öz Belirlenmesi Kontrollü Salım Sist Olarak Kullanılabilirler ve Antimikroiyal Etkinliğinin Araştırılması, 2010 - 2012

KARACA H., Project Supported by Higher Education Institutions, Tekstil Boyar Maddelerinin Mikrobiyal Renk Giderimi, 2005 - 2007

### **Peer Reviews in Scientific Publications**

JOURNAL OF CHEMOTHERAPY, SCI Journal, September 2024