

# HİKMET GEÇKİL

## PROF.

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: F-7647-2012

ScopusID: 6602871282

Yoksis Researcher ID: 9678



## Biography

Hikmet Geckil is a Turkish academic who received PhD degree in Molecular Biology in the area of Genetic Engineering at Illinois Institute of Technology (IIT.) A postdoctoral study at Ben Gurion University and the Fulbright Fellowship at Harvard University and Massachusetts Institute of Technology (MIT) are among his science endeavors. His research is in the area of genetic engineering. His current affiliation is with the Department of Molecular Biology and Genetics at Inonu University.

## Learning Knowledge

|                               |   |
|-------------------------------|---|
| Post Doctorate<br>2009 - 2010 | Massachusetts Institute of Technology, Health Sciences And Technology, United States Of America |
| Post Doctorate<br>2009 - 2010 | Harvard University, Harvard Medical School, United States Of America                            |
| Post Doctorate<br>1999 - 2000 | Ben-Gurion University of the Negev, Life Sciences/Biochemistry, Israel                          |
| Doctorate<br>1990 - 1995      | Illinois Institute of Technology, Life Sciences, Molecular Biology, United States Of America    |
| Postgraduate<br>1986 - 1988   | Inonu University, Fef/Biyoloji/Moleküler Biyoloji, Turkey                                       |

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Cloning of Vitreoscilla Hemoglobin in *Enterobacter aerogenes* and production of acetoin and butanediol, Illinois Institute of Technology, Department Of Biology, 1995

Postgraduate, Karaciğer ve Soğan Köklerinden Histon Proteinlerin İzolasyonu ve Karakterizasyonu, Inonu University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 1988

## Academic Titles / Tasks

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|                               |   |
|-------------------------------|---|
| Professor<br>2012 - Continues | Inonu University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik |
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| Professor<br>2010 - 2012 | Inonu University, Fen-Edebiyat Fakültesi, Biyoloji |
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| Research Assistant PhD<br>2009 - 2010 | Harvard University, Medical School, Health Sciences And Technology |
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| Research Assistant PhD<br>2009 - 2010 | Massachusetts Institute of Technology, Health Sciences And Technology, Health Sciences And Technology |
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| Associate Professor<br>2005 - 2010 | Inonu University, Fen-Edebiyat Fakültesi, Biyoloji |
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| Assistant Professor<br>1996 - 2005 | Inonu University, Fen-Edebiyat Fakültesi, Biyoloji |
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|---------------------------------------|---|
| Research Assistant PhD<br>1999 - 2000 | Ben-Gurion University of the Negev, Natural Sciences, Life Sciences |
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| Lecturer<br>1992 - 1995 | Illinois Institute of Technology, Sciences, Life Sciences |
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|-----------------------------------|--|
| Research Assistant<br>1986 - 1989 | Inonu University, Fen-Edebiyat Fakültesi, Biyoloji |
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## Supported Projects

- GEÇKİL H., ERENLER A. Ş., SEVİMLİ R., TÜBİTAK Project, Kondroitin Sentezinden Sorumlu Kfoa, Kfoc, Kfof Genlerinin Vitreoscilla Hemoglobin Geni Ile Ortak İfade Edildiği Rekombinant Bir Sistem Kullanılarak Mikrobiyal Kondroitin Sülfat Üretimi Ve Osteoartritteki Etkinliğinin Araştırılması, 2016 - Continues
- GEÇKİL H., TÜBİTAK Project, Vitreoscilla Hemoglobin Eksprasyonu Yapan Rekombinant Bakterilerde L-DOPA ve DOPAMİN Üretimi, 2007 - 2009
- GEÇKİL H., TÜBİTAK Project, Türkiye'deki Erysimum (Brassicaceae) Türleri Üzerinde Taksonomik Araştırmalar, 2005 - 2009

4. GEÇKİL H., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, L-asparaginaz geninin (ansB) farklı Gram-negatif bakterilere klonlanması, izolasyonu ve L-asparaginaz üretimi:kanser kemoterapisinde kullanılan önemli bir enzim, 2004 - 2005
5. GEÇKİL H., TUBİTAK Project, Vitreoscilla Hemoglobin Geni Klonlanmış Enterobacter aerogenes: Bazı Endüstriyel Uygulamalar, 2003 - 2005

## Scholarships

Fulbright Research Associate at Harvard University, Medical School and MIT Health Sciences and Technology, Fulbright Program, 2009 - 2010

Post-doctoral Fellow of the Council of Higher Education of Israel, Other International Organizations, 1999 - 2000

Doktora Bursu, Ministry of Education, 1989 - 1996

Yüksek Lisans Bursu, TUBİTAK, 1986 - 1988

## Jury Memberships

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, November, 2023

Appointment to Academic Staff-Assistant Professorship, Profesörlük, Atatürk Üniversitesi, MolBiolGenet, June, 2019

Appointment to Academic Staff-Assistant Professorship, Atama, Cumhuriyet Üniversitesi, Biyoloji Bölümü, November, 2018

Doctoral Examination, Doktora Yeterlilik Sınavı, Cumhuriyet Üniversitesi, FEF, Mol Biol Genet Bölümü, December, 2017

Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Kadrosu Atama Dosyası, İnönü Üniversitesi, FEF, Mol Biol Genet Bölümü, December, 2017

Associate Professor Exam, Doçentlik Sözlü Sınavı, Sabancı Üniversitesi, Müh Doğa Bil Fak, Mol Biol Genet, November, 2017

Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Kadrosu Atama Dosyası, Fırat Üniversitesi, FEF, Biyoloji Bölümü, May, 2017

Associate Professor Exam, Doçentlik Sözlü Sınavı, Ankara Üniversitesi, FEF, Biyoloji Bölümü, March, 2017

Associate Professor Exam, Doçentlik Sözlü Sınavı, Ankara Üniversitesi, FEF, Biyoloji Bölümü, October, 2016

Appointment to Academic Staff-Assistant Professorship, Doçentlik, İzmir Yüksek Teknoloji Enstitüsü, MolBiolGenet, March, 2016

Associate Professor Exam, Doçentlik Sözlü Sınavı, Ankara Üniversitesi, FEF, Biyoloji Bölümü, March, 2015

Appointment to Academic Staff-Assistant Professorship, Atama, Gaziantep Üniversitesi, MolBiolGenet, July, 2014

Appointment to Academic Staff-Assistant Professorship, Atama, Fırat Üniversitesi, Biyomühendislik, June, 2014

Associate Professor Exam, Doçentlik Sözlü Sınavı, Ankara Üniversitesi, FEF, Biyoloji Bölümü, May, 2014

Appointment to Academic Staff-Assistant Professorship, Atama, Harran Üniversitesi, Gen Mühnedisliği ABD, May, 2014

Appointment to Academic Staff-Assistant Professorship, Profesörlük, İzmir Yüksek Teknoloji Enstitüsü, MolBiolGenet, May, 2014

Appointment to Academic Staff-Assistant Professorship, Atama, Cumhuriyet Üniversitesi, MolBiolGenet, April, 2014

Appointment to Academic Staff-Assistant Professorship, Atama, Cumhuriyet Üniversitesi, MolBiolGenet, January, 2014

Associate Professor Exam, Doçentlik Sözlü Sınavı, Hacettepe Üniversitesi, FEF, Biyoloji Bölümü, October, 2013

Associate Professor Exam, Doçentlik Sözlü Sınavı, Abant İzzet Baysal Üniversitesi, FEF, Biyoloji Bölümü, October, 2013

Appointment to Academic Staff-Assistant Professorship, Atama, Dicle Üniversitesi, Fen Bilgisi Eğitim Bölümü, September, 2013

Associate Professor Exam, Doçentlik Sözlü Sınavı, Boğaziçi Üniversitesi. FEF, Mol Biol Genet Bölümü, June, 2012

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

1. **Biochemical Effect Evaluation of Microbial Chondroitin Sulphate in Experimental Knee Osteoarthritis Model**  
ERENLER A. Ş., BAY KARABULUT A., SEVİMLİ R., GEÇKİL H., AKPOLAT N., ÜNVER T., OTLU Ö.  
Fresenius Environmental Bulletin, vol.31, no.1, pp.510-516, 2022 (SCI-Expanded)
2. **Investigation of some biochemical parameters of wild and cultured Myrtus communis L. fruits subjected to different conservation methods**  
Cakmak M., Bakar B., ÖZER D., GEÇKİL H., KARATAŞ F., SAYDAM S.  
JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, vol.15, no.1, pp.983-993, 2021 (SCI-Expanded)
3. **Cloning and Expression vgb-kfo Genes in E. coli and Microbial Chondroitin Sulfate Production**  
ERENLER A. Ş., GEÇKİL H., Karabulut A. B., AKPOLAT N., SEVİMLİ R., Ulke E., Aliyeva A.  
SCIENCE OF ADVANCED MATERIALS, vol.11, no.12, pp.1745-1754, 2019 (SCI-Expanded)
4. **Genetic engineering of Theileria parva lactate dehydrogenase gene: a new anti-theilerial target**  
Icen-Taskin I., Munzuroglu O., GEÇKİL H.  
PESQUISA VETERINARIA BRASILEIRA, vol.38, no.5, pp.883-888, 2018 (SCI-Expanded)
5. **Bioremediation and Decolorization of Textile Dyes by White Rot Fungi and Laccase Enzymes**  
YEŞİLADA Ö., BİRHANLI E., GEÇKİL H.  
MYCOREMEDIATION AND ENVIRONMENTAL SUSTAINABILITY, VOL 2, pp.121-153, 2018 (SCI-Expanded)
6. **Effect of Vitreoscilla Hemoglobin and Culture Conditions on Production of Bacterial L-Asparaginase, an Oncolytic Enzyme**  
ERENLER S. O., GEÇKİL H.  
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.173, no.8, pp.2140-2151, 2014 (SCI-Expanded)
7. **"Cancer: normal cells' reply to a deadly fate"**  
Mehta R., GEÇKİL H., GÖZÜAÇIK D.  
TURKISH JOURNAL OF BIOLOGY, vol.38, no.6, 2014 (SCI-Expanded)
8. **Triumph or tragedy: progress in cancer**  
ERENLER A. Ş., GEÇKİL H.  
TURKISH JOURNAL OF BIOLOGY, vol.38, no.6, pp.701-707, 2014 (SCI-Expanded)
9. **Miniaturized lensless imaging systems for cell and microorganism visualization in point-of-care testing**  
Gurkan U. A., Moon S., Geckil H., Xu F., Wang S., LU T. J., DEMIRCI U.  
BIOTECHNOLOGY JOURNAL, vol.6, no.2, pp.138-149, 2011 (SCI-Expanded)
10. **Micro and nanofluidics - applications in biotechnology**  
Demirci U., GEÇKİL H.  
BIOTECHNOLOGY JOURNAL, vol.6, no.2, pp.131, 2011 (SCI-Expanded)
11. **Engineering hydrogels as extracellular matrix mimics**  
Geckil H., Xu F., Zhang X., Moon S., Demirci U.  
NANOMEDICINE, vol.5, no.3, pp.469-484, 2010 (SCI-Expanded)
12. **Production of L-DOPA and dopamine in recombinant bacteria bearing the Vitreoscilla hemoglobin gene**  
KURT A. G., AYTAN E., OZER U., ATEŞ B., GEÇKİL H.  
Biotechnology Journal, vol.4, no.7, pp.1077-1088, 2009 (SCI-Expanded)
13. **Editorial: Biotech in Turkey.**  
Geçkil H., CALIK P.  
Biotechnology journal, vol.4, pp.951, 2009 (SCI-Expanded)
14. **Simultaneous quantification of acylated and desacylated ghrelin in biological fluids**  
Aydin S., Karatas F., GEÇKİL H.  
BIOMEDICAL CHROMATOGRAPHY, vol.22, no.12, pp.1354-1359, 2008 (SCI-Expanded)
15. **Is ghrelin a natural anti-microbial agent?**  
Aydin S., GEÇKİL H., Kilic N., Erman F., Kilic S. S., YESİLADA Ö.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.38, no.2, pp.187, 2008 (SCI-Expanded)
16. **Milk and blood ghrelin level in diabetics**

Aydin S., Geckil H., KARATAS F., DONDER E., KUMRU S., KAVAK E. C., COLAK R., OZKAN Y., Sahin I.  
NUTRITION, vol.23, pp.807-811, 2007 (SCI-Expanded)

17. **Ghrelin is present in teeth**  
Aydin S., OZERCAN I. H., Geckil H., DAGLI F., AYDIN S., KUMRU S., KILIC N., Sahin I., OZERCAN M. R.  
JOURNAL OF BIOCHEMISTRY AND MOLECULAR BIOLOGY, vol.40, no.3, pp.368-372, 2007 (SCI-Expanded)
18. **Ghrelin: A novel peptide with therapeutic effect in certain cancers?**  
Aydin S., Geckil H., KARAOGLU A., Elkiran E. T.  
MEDICAL HYPOTHESES, vol.69, no.5, pp.1157-1158, 2007 (SCI-Expanded)
19. **Ghrelin in plants: What is the function of an appetite hormone in plants?**  
Aydin S., Geckil H., ZENGIN F., OZERCAN H. I., KARATAS F., AYDIN S., TURGUT-BALIK D., OZKAN Y., DAGLI F., CELIK V.  
PEPTIDES, vol.27, no.7, pp.1597-1602, 2006 (SCI-Expanded)
20. **Molekuler Yasam Bilimlerinde Ph.D. Derecesi Icin Standartlar**  
GEÇKİL H.  
Turgut Özal Tıp Merkezi Dergisi (E.A İnönü Üniversitesi Tıp Fakültesi Dergisi), vol.13, no.3, pp.203-219, 2006 (SCI-Expanded)
21. **Biological rhythm of saliva ghrelin in humans**  
Aydin S., OZERCAN H. I., AYDIN S., OZKAN Y., DAGLI F., OGUZONCUL F., Geckil H.  
BIOLOGICAL RHYTHM RESEARCH, vol.37, no.2, pp.169-177, 2006 (SCI-Expanded)
22. **Effect of Vitreoscilla hemoglobin on production of a chemotherapeutic enzyme, L-asparaginase, by Pseudomonas aeruginosa**  
GEÇKİL H., GENCER S., ATEŞ B., OZER U., UCKUN M., YILMAZ İ.  
Biotechnology Journal, vol.1, no.2, pp.203-208, 2006 (SCI-Expanded)
23. **Degradation of benzene, toluene and xylene by Pseudomonas aeruginosa engineered with the Vitreoscilla hemoglobin gene**  
KAHRAMAN H., Geckil H.  
ENGINEERING IN LIFE SCIENCES, vol.5, no.4, pp.363-368, 2005 (SCI-Expanded)
24. **Membrane permeabilization of gram-negative bacteria with a potassium phosphate/hexane aqueous phase system for the release of L-asparaginase: an enzyme used in cancer therapy**  
Geckil H., Ates B., Gencer S., Uckun M., Yilmaz İ.  
PROCESS BIOCHEMISTRY, vol.40, no.2, pp.573-579, 2005 (SCI-Expanded)
25. **Vitreoscilla hemoglobin renders Enterobacter aerogenes highly susceptible to heavy metals**  
Geckil H., ARMAN A., GENCER S., ATEŞ B., YILMAZ H.  
BIOMETALS, vol.17, no.6, pp.715-723, 2004 (SCI-Expanded)
26. **Enhanced production of acetoin and butanediol in recombinant Enterobacter aerogenes carrying Vitreoscilla hemoglobin gene**  
Geckil H., BARAK Z., CHIPMAN D., ERENLER S., WEBSTER D., STARK B.  
BIOPROCESS AND BIOSYSTEMS ENGINEERING, vol.26, no.5, pp.325-330, 2004 (SCI-Expanded)
27. **Protective role of melatonin given either before ischemia or prior to reperfusion on intestinal ischemia-reperfusion damage**  
Ates B., Yilmaz İ., Geckil H., Iraz M., Birincioglu M., Fiskin K.  
JOURNAL OF PINEAL RESEARCH, vol.37, no.3, pp.149-152, 2004 (SCI-Expanded)
28. **Vitreoscilla hemoglobin expressing Enterobacter aerogenes and Pseudomonas aeruginosa respond differently to carbon catabolite and oxygen repression for production of L-asparaginase, an enzyme used in cancer therapy**  
Geckil H., GENCER S., UCKUN M.  
ENZYME AND MICROBIAL TECHNOLOGY, vol.35, pp.182-189, 2004 (SCI-Expanded)
29. **Mikroorganizmaların kanser tedavisinde kullanımı**  
GEÇKİL H., Aydın S., Çaylak E., Kılıç N.  
Firat Tıp Dergisi, vol.9, no.2, pp.30-34, 2004 (AHCI)
30. **Cloning and expression of the Vitreoscilla hemoglobin gene in Enterobacter aerogenes: Effect on cell**

### **growth and oxygen uptake**

ERENLER S., GENCER S., Geckil H., STARK B., WEBSTER D.

APPLIED BIOCHEMISTRY AND MICROBIOLOGY, vol.40, no.3, pp.241-248, 2004 (SCI-Expanded)

31. **Production of L-asparaginase in Enterobacter aerogenes expressing Vitreoscilla hemoglobin for efficient oxygen uptake**  
Geckil H., GENCER S.  
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.63, no.6, pp.691-697, 2004 (SCI-Expanded)
32. **The vitamin and selenium contents of apricot fruit of different varieties cultivated in different geographical regions**  
MUNZUROGLU O., KARATAS F., Geckil H.  
FOOD CHEMISTRY, vol.83, no.2, pp.205-212, 2003 (SCI-Expanded)
33. **Genetic engineering of Enterobacter aerogenes with the Vitreoscilla hemoglobin gene: cell growth, survival, and antioxidant enzyme status under oxidative stress**  
Geckil H., GENCER S., KAHRAMAN H., ERENLER S.  
RESEARCH IN MICROBIOLOGY, vol.154, no.6, pp.425-431, 2003 (SCI-Expanded)
34. **The synthesis of indole-3-acetic acid by the industrially important white-rot fungus Lentinus sajor-caju under different culture conditions**  
Yurekli F., GECKIL H., TOPCUOGLU F.  
MYCOLOGICAL RESEARCH, vol.107, pp.305-309, 2003 (SCI-Expanded)
35. **Effects of simulated acid rain on the pollen germination and pollen tube growth of apple (Malus sylvestris Miller cv. Golden)**  
MUNZUROGLU O., OBEK E., Geckil H.  
ACTA BIOLOGICA HUNGARICA, vol.54, no.1, pp.95-103, 2003 (SCI-Expanded)
36. **Effects of metals on seed germination, root elongation, and Coleoptile and hypocotyl growth in Triticum aestivum and Cucumis sativus**  
MUNZUROGLU O., Geckil H.  
ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.43, no.2, pp.203-213, 2002 (SCI-Expanded)
37. **Cell growth and oxygen uptake of Escherichia coli and Pseudomonas aeruginosa are differently effected by the genetically engineered Vitreoscilla hemoglobin gene**  
Geckil H., STARK B., WEBSTER D.  
JOURNAL OF BIOTECHNOLOGY, vol.85, no.1, pp.57-66, 2001 (SCI-Expanded)

### **Articles Published in Other Journals**

1. **Growth in The Presence of Organic Solvents in Pseudomonas Aeruginosa and Its Vitreoscilla Hemoglobin (Vhb) Recombinant Strain (Pajc).**  
Kahraman H., Geçkil H.  
Turkish Journal of Science and Technology, vol.11, no.2, pp.1-5, 2016 (Peer-Reviewed Journal)
2. **Growth in The Presence of Organic Solvents in Pseudomonas Aeruginosa and Its Vitreoscilla Hemoglobin (Vhb) Recombinant Strain (Pajc)**  
KAHRAMAN H., GEÇKİL H.  
Turkish Journal of Science and Technology, vol.11, no.2, pp.1-5, 2016 (Peer-Reviewed Journal)
3. **Benzoik Asitin Vitreoscilla hemoglobin geni aktarılmış Pseudomonas aeruginosa tarafından yıkımı**  
GEÇKİL H., KAHRAMAN H.  
Firat Universitesi, Fen ve Muhendislik Bilimleri Dergisi, vol.17, no.2, pp.342-348, 2005 (Peer-Reviewed Journal)
4. **İki Emekli Bilim Adamının Hikayesi: Genetiğe Karşı Biyokimya"**  
GEÇKİL H.  
Universite ve Toplum, vol.5, no.3, pp.1-2, 2005 (Non Peer-Reviewed Journal)
5. **Antioxidant, free radical scavenging and metal chelating characteristics of propolis.**

Geçkil H., Ateş B., Durmaz G., Erdoğan S., Yılmaz I.

American Journal of Biochemistry and Biotechnology, vol.1, no.1, pp.27-31, 2005 (Scopus)

## Books & Book Chapters

1. **Moleküler Hücre Biyolojisi**  
Geçkil H. (Editor)  
Palme Yayın Dağıtım, Ankara, 2023
2. **Bağışıklık Sistemi Nasıl Çalışır**  
Geçkil H.  
Palme Yayın Dağıtım, Ankara, 2023
3. **Virolojinin Prensipleri Cilt 1: Moleküler Biyoloji**  
TARHAN Ç., ŞAHİN A. R. U., KURNAZ I., ERMAN M. B., ÇELİK ÖZGEN V., ÇAKAR Z. P., ŞAHİN H. B., DEMİRBAĞ Z., DEĞERLİ N., SUNGUROĞLU A., et al.  
Palme Yayınevi (Ankara), Ankara, 2022
4. **Virolojinin Prensipleri cilt II: Patogenez ve Kontrol**  
Geçkil H. (Editor)  
Palme Yayın Dağıtım, Ankara, 2022
5. **Virolojinin Prensipleri cilt I: Moleküler Biyoloji**  
Geçkil H. (Editor)  
Palme Yayın Dağıtım, Ankara, 2022
6. **Virolojinin Prensipleri Cilt 2: Patogenez ve Kontrol**  
ÖNAY UÇAR E., GEÇKİL H., ATALAN E., SUNGUROĞLU A., DEMİRBAĞ Z., DEĞERLİ N., TUTAR Y., TÜRKEL S., BELDÜZ A. O., ŞAHİN A. R. U., et al.  
Palme Yayınevi (Ankara), Ankara, 2022
7. **Bölüm 1: Virolojinin Temeli**  
Geçkil H.  
in: Virolojinin Prensipleri cilt I: Moleküler Biyoloji, Hikmet Geçkil, Editor, Palme Yayın Dağıtım, Ankara, pp.1-24, 2022
8. **1 Virolojinin Temeli**  
GEÇKİL H.  
in: Virolojinin Prensipleri Cilt I: Moleküler Biyoloji, Hikmet Geçkil, Editor, Palme, Ankara, pp.1-25, 2022
9. **Chapter 5 Bioremediation and Decolorization of Textile Dyes by White Rot Fungi and Laccase Enzymes**  
YEŞİLADA Ö., BİRHANLI E., GEÇKİL H.  
in: Mycoremediation and Environmental Sustainability, Prasad, Ram, Editor, Springer, Cham, pp.121-153, 2021
10. **Ecotoxicity of Nanomaterials in Aquatic Environment**  
ÖZMEN M., GÜNGÖRDÜ A., GEÇKİL H.  
in: NANOTECHNOLOGY FOR FOOD, AGRICULTURE, AND ENVIRONMENT, Thangadurai D, Sangeetha J, Prasad R, Editor, Springer, pp.351-377, 2020
11. **Bölüm 9 Kemotrofik Enerji Metabolizması: Glikoliz ve Fermentasyon**  
GÜRSES C., GEÇKİL H.  
in: Becker'in Hücre Dünyası, 9.Baskıdan Çeviri, Ali Osman Beldüz, Editor, Palme Yayın Dağıtım, Ankara, pp.215-241, 2019
12. **Bölüm 10 Kemotrofik Enerji Metabolizması: Aerobik Solunum**  
Kaymaz T., GEÇKİL H.  
in: Becker'in Hücre Dünyası, 9. Baskı, Ali Osman Beldüz, Editor, Palme Yayın Dağıtım, Ankara, pp.242-282, 2019
13. **Bölüm 9: Kemotrofik Enerji Metabolizması: Glikoliz ve fermentasyon**  
GEÇKİL H., GÜRSES C.  
in: Becker'in Hücre Dünyası, Ali Osman Beldüz, Editor, Palme, Ankara, pp.215-241, 2019

14. **Bölüm 10: Kemotrofik Enerji Metabolizması: Aerobik Solunum**  
GEÇKİL H., KAYMAZ T.  
in: Becker'ın Hücre Dünyası, Ali Osman Beldüz, Editor, Palme, Ankara, pp.242-282, 2019
15. **Bioremediation and Decolorization of Textile Dyes by White Rot Fungi and Laccase Enzymes**  
YEŞİLADA Ö., BİRHANLI E., GEÇKİL H.  
in: Mycoremediation and Environmental Sustainability, Prasad R, Editor, Springer International Publishing, Gewerbestrasse, pp.121-153, 2018
16. **Moleküler Hücre Biyolojisi**  
GEÇKİL H., YEŞİLADA Ö., ÖZMEN M.  
Palme Yayın Dağıtım, Ankara, 2011
17. **BÖLÜM 2 Kimyasal Temeller**  
GEÇKİL H.  
in: MOLEKÜLER HÜCRE BİYOLOJİSİ, Hikmet Geçkil, Murat Özmen, Özfer Yeşilada, Editor, Palme Yayın Dağıtım, Ankara, pp.31-62, 2011
18. **BÖLÜM 1 Yaşam Hücrelerle Başlar**  
Geçkil H.  
in: MOLEKÜLER HÜCRE BİYOLOJİSİ, Hikmet Geçkil, Murat Özmen, Özfer Yeşilada, Editor, Palme Yayın Dağıtım, Ankara, pp.1-30, 2011
19. **Biyokimya (Instant Notes in Biochemistry)**  
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20. **BÖLÜM 9: Virolojinin Esasları**  
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in: BROCK MİKROORGANİZMALARIN BİYOLOJİSİ, Cumhuriyet Çökmüş, Editor, Palme Yayın Dağıtım, Ankara, pp.231-262, 2010
21. **BÖLÜM 11: ÖKARYOTİK HÜCRE BİYOLOJİSİ VE ÖKARYOTİK MİKROORGANİZMALAR**  
Geçkil H.  
in: BROCK MİKROORGANİZMALARIN BİYOLOJİSİ, Cumhuriyet Çökmüş, Editor, Palme Yayın Dağıtım, Ankara, pp.448-482, 2010
22. **BÖLÜM K: Lipid Metabolizması**  
GEÇKİL H.  
in: BİYOKİMYA (Instant Notes in Biochemistry), Yusuf Tutar, Hikmet Geçkil, Mehmet Karataş, Editor, Nobel Yayın Dağıtım, Ankara, pp.335-366, 2010
23. **Biyokimya I**  
Geçkil H.  
Flaş Kitabevi, Malatya, 2005
24. **Biyokimya II**  
Geçkil H.  
Flaş Kitabevi, Malatya, 2005

### Refereed Congress / Symposium Publications in Proceedings

1. **Vitreoscilla hemoglobin geni aktarılmış Erwinia herbicola'xda indol-3 asetik asit (IAA) üretimi**  
GİRAY A., GEÇKİL H.  
3rd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 19 - 20 March 2020, vol.3, pp.100-105
2. **Vitreoscilla hemoglobin geni aktarılmış Erwinia herbicola'da indol-3asetik asit (IAA) üretimi**  
GİRAY A., GEÇKİL H.  
3rd International Eurasian Conference, 19 - 20 March 2020
3. **Investigation of L-DOPA And Dopamine Production in Batch Bioreactor System with Citrobacter**

### **freundii pMK79 Recombinant Culture**

SELEN V., GEÇKİL H., ÖZER D.

International Engineering and Natural Sciences Conference (IENSC 2019), 6 - 08 November 2019

4. **INVESTIGATION OF L-DOPA AND DOPAMINE PRODUCTION IN BATCHBIOREACTOR SYSTEM WITH *Citrobacter freundii* pMK79 RECOMBINANT CULTURE**  
SELEN V., GEÇKİL H., ÖZER D.  
International Engineering and Natural Sciences Conference (IENSC 2019), 6 - 08 November 2019, pp.1295-1303
5. **INVESTIGATION OF L-DOPA AND DOPAMINE PRODUCTION IN BATCHBIOREACTOR SYSTEM WITH *Citrobacter freundii* pMK79 RECOMBINANT CULTURE**  
GEÇKİL H., SELEN V., ÖZER D.  
International Engineering and Natural Sciences Conference (IENSC 2019), 6 - 08 November 2019
6. **Investigation of chondroitin sulphate and its efficacy in osteoarthritis using a recombinant system co expressing chondroitin genes and *Vitreoscilla* hemoglobin gene**  
ERENLER A. Ş., TURAN C. C., BAY KARABULUT A., AKPOLAT N., GEÇKİL H.  
4th International Bahçeşehir University (BAU) Drug Design Congress, 13 - 15 October 2016
7. **Expression of gene encoding *Theileria parva* enolase in *Escherichia coli* JM103 strain**  
Çelik V., İÇEN TAŞKIN I., PELLE R., MUNZUROĞLU Ö., GEÇKİL H.  
European Biotechnology Congress, İstanbul, Turkey, 25 September - 01 October 2011
8. **Cloning, isolation and expression of L-asparaginase gene (*ansB*) in different gram-negative bacteria expressing *Vitreoscilla* hemoglobin**  
ERENLER S., GEÇKİL H.  
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9. **Expression of gene encoding *Theileria parva* enolase in *Escherichia coli* JM103 strain**  
Celik V., Icen I., PELLE R., MUNZUROĞLU O., GEÇKİL H.  
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, vol.22
10. **Isolation, Cloning and Sequence Analysis of Gene Encoding The Lactate Dehydrogenase Enzyme From *Theileria parva***  
İÇEN TAŞKIN I., Çelik V., PELLE R., AYTAN E., AYTAN E., MUNZUROĞLU Ö., GEÇKİL H.  
FEBS, Torino, Italy, 25 - 30 June 2011
11. **A New Candidate For Antitheilerial Target: Isolation, Cloning and Sequence Analysis of Gene Encoding The Enolase Enzyme From *Theileria parva***  
Çelik V., İÇEN TAŞKIN I., PELLE R., GIRAY KURT A., MUNZUROĞLU Ö., GEÇKİL H.  
36th FEBS Congress Biochemistry for Tomorrow Medicine, Torino, Italy, 25 - 30 June 2011
12. **A new candidate for antitheilerial target: isolation, cloning and sequence analysis of gene encoding the enolase enzyme from *Theileria parva***  
Celik V., Icen I., PELLE R., KURT A. G., MUNZUROĞLU O., GEÇKİL H.  
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.325
13. **Isolation, cloning and sequence analysis of gene encoding the lactate dehydrogenase enzyme from *Theileria parva***  
Icen I., Celik V., PELLE R., AYTAN E., MUNZUROĞLU O., GEÇKİL H.  
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.329
14. **Kemoterapötik Bir Enzim Olan Metiyonin Liyaz'ın *Citrobacter freundii*'de Üretimine *Vitreoscilla* Hemogloblin'in Etkisi.**  
Kahraman H., Aytan E., Kurt A. G., Geçkil H.  
20. Ulusal Biyoloji Kongresi (Uluslararası Katılımlı) , Denizli, Turkey, 21 - 25 June 2010, pp.537-538
15. **Bakteriyel Hemoglobin Geni Klonlanmış *Pseudomonas aeruginosa*'nın Aromatik Maddeler Varlığında Üremesinin Araştırılması.**  
Kahraman H., Geçkil H.  
19. Ulusal Biyoloji Kongresi, Trabzon, Turkey, 23 - 27 June 2008, pp.295
16. **Effect of *Vitreoscilla* on L-lysine alpha-oxidase, a chemotherapeutic enzyme, from *Pseudomonas aeruginosa***

KAHRAMAN H., GENCER S., Geckil H.

31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.139-140

17. **Production of L-asparaginase, a chemotherapeutic enzyme, in bacteria expressing Vitreoscilla haemoglobin**

Ates B., GENCER S., ERENLER S. O., UCKUN M., OZER U., YILMAZ I., GECKIL H.

31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.139

## Academic and Administrative Experience

|             |  |  |
|-------------|--|--|
| 2010 - 2013 | <b>Director of the Center</b>                    | Inonu University, Üstün Yetenekli Çocuklar Merkezi, Üstün Yetenekli Çocuklar Merkezi         |
| 2011 - 2012 | <b>Head of Department</b>                        | Inonu University, Moleküler Biyoloji Ve Genetik Bölümü, Moleküler Biyoloji Ve Genetik Bölümü |
| 2010 - 2012 | <b>Director of the Center</b>                    | Inonu University, İnönü Çocuk Üniversitesi, İnönü Çocuk Üniversitesi                         |
| 2002 - 2006 | <b>Erasmus Program Institutional Coordinator</b> | Inonu University, Erasmus Kurucu Koordinatörü, Erasmus Kurucu Koordinatörü                   |

## Courses

MBG353 Biyokimya Lab I, Undergraduate, 2019-2020  
MBG303 Biyokimya I, Undergraduate, 2019-2020  
MBG404 Bitirme Tezi, Undergraduate, 2019-2020  
MBG311 Biyokimyasal Hesaplamalar, Undergraduate, 2019-2020  
MBG354 Biyokimya Lab II, Undergraduate, 2019-2020  
MBG304 Biyokimya II, Undergraduate, 2019-2020  
MBG253 Mikrobiyoloji Lab, Undergraduate, 2019-2020  
MBG203 Mikrobiyoloji, Undergraduate, 2019-2020  
MBG411 Biyogirişimcilik, Undergraduate, 2017-2018  
MBG107 Mesleki İngilizce, Undergraduate, 2017-2018  
MBG103 Genel Biyoloji I, Undergraduate, 2017-2018  
MBG107 Mesleki İngilizce, Undergraduate, 2016-2017  
MBG303 Biochemistry I, Undergraduate, 2016 - 2017  
MBG303 Biyokimya I, Undergraduate, 2016-2017  
MBG406 Genetic Engineering, Undergraduate, 2016 - 2017  
MBG354 Biochemistry Laboratory II , Undergraduate, 2016 - 2017  
MBG322 Philosophy of Science and Ethics, Undergraduate, 2016 - 2017  
MBG103 Genel Biyoloji I, Undergraduate, 2016-2017  
MBG311 Biyokimyasal Hesaplamalar, Undergraduate, 2016-2017  
MBG311 Biochemical Calculations, Undergraduate, 2016 - 2017  
MBG354 Biyokimya Lab II, Undergraduate, 2016-2017  
MBG253 Mikrobiyoloji Lab, Undergraduate, 2016-2017  
MBG204 Biotechnology , Undergraduate, 2016 - 2017  
MBG203 Mikrobiyoloji, Undergraduate, 2016-2017

MBG353 Biyokimya Lab I, Undergraduate, 2016-2017  
MBG411 Biyogiriřimcilik, Undergraduate, 2016-2017  
MBG404 Bitirme Tezi, Undergraduate, 2016-2017  
MBG304 Biochemistry II , Undergraduate, 2016 - 2017  
MBG353 Biochemistry Laboratory I , Undergraduate, 2016 - 2017  
MBG304 Biyokimya II, Undergraduate, 2016-2017  
MBG420 İleri Biyokimya, Undergraduate, 2015-2016  
MBG404 Bitirme alıřması II, Undergraduate, 2015-2016  
MBG411 Biyogiriřimcilik, Undergraduate, 2015-2016  
MBG311-S Biyokimyasal Hesaplamalar, Undergraduate, 2015-2016  
MBG353 Biyokimya Laboratuvarı I, Undergraduate, 2015-2016  
MBG107 Mesleki İngilizce, Undergraduate, 2015-2016  
MBG354 Biyokimya Laboratuvarı II, Undergraduate, 2015-2016  
MBG403 Bitirme alıřması I , Undergraduate, 2015-2016  
MBG154 Genel Biyoloji Laboratuvarı II, Undergraduate, 2015-2016  
MBG304 Biyokimya II, Undergraduate, 2015-2016  
MBG103 Genel Biyoloji I, Undergraduate, 2015-2016  
MBG303 Biyokimya I, Undergraduate, 2015-2016  
MBG406 Genetik Mühendisliđi, Undergraduate, 2015-2016  
MBG154 Genel Biyoloji Laboratuvarı II, Undergraduate, 2014-2015  
MBG303 Biyokimya I, Undergraduate, 2014-2015  
MBG353 Biyokimya Laboratuvarı I, Undergraduate, 2014-2015  
MBG354 Biyokimya Laboratuvarı II, Undergraduate, 2014-2015  
MBG107 Mesleki İngilizce, Undergraduate, 2014-2015  
MBG322 Bilim Felsefesi ve Etiđi, Undergraduate, 2014-2015  
MBG103 Genel Biyoloji I, Undergraduate, 2014-2015  
MBG153 Genel Biyoloji Laboratuvarı I, Undergraduate, 2013-2014  
General Biology Laboratory, Undergraduate, 2013-2014  
MBG154 Genel Biyoloji Laboratuvarı II, Undergraduate, 2013-2014  
General Biology, Undergraduate, 2013-2014  
Introduction to Molecular Biology and Genetics, Undergraduate, 2013-2014  
Biotechnology, Undergraduate, 2013-2014  
MBG103 Genel Biyoloji I, Undergraduate, 2013-2014  
Introduction to Molecular Biology and Genetics, Undergraduate, 2012-2013  
General Biology Laboratory, Undergraduate, 2012-2013  
Introduction to Molecular Biology and Genetics, Undergraduate, 2011-2012  
GENETİK MÜHENDİSLİK, Undergraduate Minor, 2010-2011  
UYGULAMALI BİYOKİMYASAL VE MOLEKÜLER TEKNİKLER, Undergraduate Minor, 2010-2011  
BİYOLOJİDE ANALİTİK METOTLAR, Undergraduate Double Major, 2010-2011  
Biyokimya Laboratuvarı, Undergraduate, 2010-2011  
BİYOKİMYA, Undergraduate, 2010-2011  
Genetik Mühendislik Uygulamaları, Undergraduate Double Major, 2010-2011  
UYGULAMALI BİYOKİMYASAL VE MOLEKÜLER TEKNİKLER, Undergraduate Minor, 2009-2010  
GENETİK MÜHENDİSLİK, Undergraduate Minor, 2009-2010  
Biyokimya Laboratuvarı, Undergraduate, 2009-2010  
BİYOKİMYA, Undergraduate, 2009-2010  
BİYOLOJİDE ANALİTİK METOTLAR, Undergraduate Double Major, 2009-2010  
Genetik Mühendislik Uygulamaları, Undergraduate Double Major, 2009-2010  
Biyokimya Laboratuvarı, Undergraduate, 2008-2009  
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BİYOKİMYA, Undergraduate, 2008-2009

UYGULAMALI BİYOKİMYASAL VE MOLEKÜLER TEKNİKLER, Undergraduate Minor, 2008-2009  
BİYOLOJİDE ANALİTİK METOTLAR, Undergraduate Double Major, 2008-2009  
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BİYOLOJİDE ANALİTİK METOTLAR, Undergraduate Double Major, 2007-2008  
Genetik Mühendislik Uygulamaları, Undergraduate Double Major, 2007-2008  
UYGULAMALI BİYOKİMYASAL VE MOLEKÜLER TEKNİKLER, Undergraduate Minor, 2007-2008  
GENETİK MÜHENDİSLİK, Undergraduate Minor, 2007-2008  
BİYOKİMYA, Undergraduate, 2007-2008  
Biyokimya Laboratuvarı, Undergraduate, 2007-2008  
BİYOLOJİDE ANALİTİK METOTLAR, Undergraduate Double Major, 2006-2007  
BİYOKİMYA, Undergraduate, 2006-2007  
GENETİK MÜHENDİSLİK, Undergraduate Minor, 2006-2007  
Biyokimya Laboratuvarı, Undergraduate, 2006-2007  
UYGULAMALI BİYOKİMYASAL VE MOLEKÜLER TEKNİKLER, Undergraduate Minor, 2006-2007  
Genetik Mühendislik Uygulamaları, Undergraduate Double Major, 2006-2007  
Biyokimya Laboratuvarı, Undergraduate, 2005-2006  
BİYOKİMYA, Undergraduate, 2005-2006  
Genetik Mühendislik Uygulamaları, Undergraduate Double Major, 2005-2006  
GENETİK MÜHENDİSLİK, Undergraduate Minor, 2005-2006  
UYGULAMALI BİYOKİMYASAL VE MOLEKÜLER TEKNİKLER, Undergraduate Minor, 2005-2006  
BİYOLOJİDE ANALİTİK METOTLAR, Undergraduate Double Major, 2005-2006  
BİYOLOJİDE ANALİTİK METOTLAR, Undergraduate Double Major, 2004-2005  
GENETİK MÜHENDİSLİK, Undergraduate Minor, 2004-2005  
Biyokimya Laboratuvarı, Undergraduate, 2004-2005  
UYGULAMALI BİYOKİMYASAL VE MOLEKÜLER TEKNİKLER, Undergraduate Minor, 2004-2005  
Genetik Mühendislik Uygulamaları, Undergraduate Double Major, 2004-2005  
BİYOKİMYA, Undergraduate, 2004-2005  
BİYOKİMYA, Undergraduate, 2003-2004  
BİYOLOJİDE ANALİTİK METOTLAR, Undergraduate Double Major, 2003-2004  
Biyokimya Laboratuvarı, Undergraduate, 2003-2004  
UYGULAMALI BİYOKİMYASAL VE MOLEKÜLER TEKNİKLER, Undergraduate Minor, 2003-2004  
Genetik Mühendislik Uygulamaları, Undergraduate Double Major, 2003-2004  
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BİYOLOJİDE ANALİTİK METOTLAR, Undergraduate Double Major, 2002-2003  
UYGULAMALI BİYOKİMYASAL VE MOLEKÜLER TEKNİKLER, Undergraduate Minor, 2002-2003  
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Biyokimya Laboratuvarı, Undergraduate, 2001-2002  
Genetik Mühendislik Uygulamaları, Undergraduate Double Major, 2001-2002  
GENETİK MÜHENDİSLİK, Undergraduate Minor, 2001-2002  
Biyokimya Laboratuvarı, Undergraduate, 2000-2001  
UYGULAMALI BİYOKİMYASAL VE MOLEKÜLER TEKNİKLER, Undergraduate Minor, 2000-2001  
BİYOLOJİDE ANALİTİK METOTLAR, Undergraduate Double Major, 2000-2001  
BİYOKİMYA, Undergraduate, 2000-2001  
GENETİK MÜHENDİSLİK, Undergraduate Minor, 2000-2001  
Genetik Mühendislik Uygulamaları, Undergraduate Double Major, 2000-2001

## Advising Theses

- GEÇKİL H., Vitreoscilla Hemoglobininin Erwinia herbicola'da İkincil Metabolit Akış Dağılımı Üzerine Etkisi, Doctorate, A.Giray(Student), 2012
- GEÇKİL H., Vitreoscilla hemoglobininin radyasyon dirençli Deinococcus radiodurans'ın büyüme ve çoğalma karakteristikleri üzerine etkisi, Postgraduate, Ö.Yılmaz(Student), 2011
- GEÇKİL H., Gastrik Kanserde Matriks Metalloproteinaz (MMP) Genlerinin Ekspresyonları Üzerine Oksidatif Stres ve RNA Müdahalesinin Etkisi, Doctorate, S.Gencer(Student), 2009
- GEÇKİL H., Vitreoscilla Hemoglobin Geninin Erwinia herbicola'ya Klonlanması ve L-DOPA Üretimi Üzerine Etkisi, Postgraduate, E.Aytan(Student), 2009
- GEÇKİL H., L-Asparaginaz Geninin (ansB) Farklı Gram-Negatif Bakterilere Klonlanması İzolasyonu ve Ekspresyonu, Doctorate, Ş.O.(Student), 2007
- GEÇKİL H., Antikanserojenik L-asparaginazın Farklı Gram-negatif Bakterilerde Üretimi, Kimyasal Karakterizasyonu ve Bazı Klinik Uygulamaları, Doctorate, B.Ateş(Student), 2007
- GEÇKİL H., Rastgele Mutasyona Tabi Tutulmuş Gram-negatif Bakterilerin Yüksek Düzeyde L-asparaginaz Sentezi İçin Seçilmeleri, Postgraduate, M.Uckun(Student), 2006
- GEÇKİL H., Bakterilerde Dopamin Sentezi, Postgraduate, U.Özer(Student), 2006
- GEÇKİL H., Bakteriye Hemoglobin Geni Klonlanmış Pseudomonas sp.'lerinin Çeşitli Zararlı Aromatik Madde Yıkım Potansiyellerinin Araştırılması, Doctorate, H.Kahraman(Student), 2004
- GEÇKİL H., Use of the Vitreoscilla hemoglobin for bacterial production of L-asparaginase: an enzyme used in cancer therapy., Postgraduate, S.Gencer(Student), 2004
- GEÇKİL H., Bakteri Hemoglobin Geni Klonlanmış Enterobacter aerogenes'de Fermantasyon Metabolitlerinin Üretimi ve Solvent Toleransı, Postgraduate, N.Canan(Student), 2003
- GEÇKİL H., Bakteriye Hemoglobininin Enterobacter aerogenes'de Fizyolojik ve Metabolik Aktiviteler Üzerine Etkisi, Postgraduate, Ş.O.(Student), 2002

## Activities in Scientific Journals

- Turkish Journal of Biology, Committee Member, 2012 - Continues
- Turkish Journal of Science and Technology, Committee Member, 2009 - Continues
- Fırat Üniversitesi Fen Bilimleri Dergisi, Committee Member, 2008 - Continues
- Biotechnology Journal, Editor, 2005 - Continues
- American Journal of Biochemistry and Biotechnology, Committee Member, 2006 - 2013

## Scientific Refereeing

- Project Supported by Higher Education Institutions, BAP Research Project, Kütahya Health Sciences University, Turkey, November 2023
- Project Supported by Higher Education Institutions, BAP Research Project, Bursa Uludağ University, Turkey, November 2023
- BIOTECHNOLOGY JOURNAL, SCI Journal, February 2023
- Turkish Journal of Biology, SCI Journal, November 2017
- Turkish Journal of Biology, SCI Journal, October 2017
- Biotechnology Journal, SCI Journal, March 2017
- Journal of Chemical Technology & Biotechnology, SCI Journal, February 2017

## Scientific Consultations

TÜBİTAK, Scientific Consultancy, Inonu University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik, Turkey, 2023 - Continues

TÜBİTAK-TEYDEB, Project Consultancy, Inonu University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik, Turkey, 2015 - Continues

## Metrics

Publication: 88

Citation (WoS): 1167

Citation (Scopus): 1244

H-Index (WoS): 15

H-Index (Scopus): 16

## Research Areas

Life Sciences, Biochemistry, Metabolism, Microbial Biochemistry, Biotechnology, Industrial Biotechnology, Microbial Biotechnology, Molecular Biology and Genetics, Genetic Engineering, Molecular Biology of Cancer, Microbial Genetics, Natural Sciences

## Representation and Promotion Activities

Institutional Representation, İnönü Üniversitesi, Turkey, Malatya, 2010 - 2013

Institutional Representation, İnönü Üniversitesi, Turkey, Malatya, 2010 - 2012

Institutional Representation, İnönü Üniverstesi, Turkey, Malatya, 2002 - 2006

## Non Academic Experience

TÜBİTAK

Other Public Institution, Tübitak

TÜBİTAK

Other Public Institution, Tübitak

Business Organization (private), Wiley-Blackwell

İnönü Üniversitesi

Other Public Institution, Tübitak, Biotechnology Temsilcisi- Comstech (Committee On Scientific And Technological Cooperation) Pakistan

İnönü Üniversitesi

İnönü Üniversitesi

Harvard-MIT Health Sciences and Technology

İnönü Üniversitesi

Ben Gurion University

Illinois Institute of Technology