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

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Cloning of Vitreoscilla Hemoglobin in Eneterobacter 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

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

Supported Projects

1. GEÇKİL H., ERENLER A. Ş., SEVİMLİ R., TUBITAK Project, Kondroitin Sentezinden Sorumlu Kfoa, Kfoc, Kfof Genlerinin Vitreoscilla Hemoglobin Geni Ile Ortak Ifade Edildiği Rekombinant Bir Sistem Kullanılarak Mikrobiyal Kondroitin Sülfat Üretimi Ve Osteoartritteki Etkinliğinin Araştırılması, 2016 - Continues
2. GEÇKİL H., TUBITAK Project, Vitreoscilla Hemoglobin Eksprasyonu Yapan Rekombinant Bakterilerde L-DOPA ve DOPAMİN Üretimi, 2007 - 2009
3. GEÇKİL H., TUBITAK 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., TUBITAK 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, TUBITAK, 1986 - 1988

Jury Memberships

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, November, 2023
Appointment to Academic Staff-Assistant Professorship, Professörlük, Atatürk Üniversitesi, MolBiolGenewt, 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 Enstitisü, 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 Enstitisü, 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 culturedMyrtus communisL. 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., YESILADA Ö.
    TURKISH JOURNAL OF MEDICAL SCIENCES, vol.38, no.2, pp.187, 2008 (SCI-Expanded)
16. **Milk and blood ghrelin level in diabetics**

Aydın 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?**
Aydın 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?**
Aydın 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**
Aydın 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., ATES 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. **Mikroorganizmalarin kanser tedavisinde kullanimi**
GEÇKİL H., Aydın S., Çaylak E., Kılıç N.
Fırat 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 scavenginging and metal chelating characteristics of propolis.**

Geçkil H., Ateş B., Durmaz G., Erdoğan S., Yilmaz 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'ın 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'ın 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'ın 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)**
Tutar Y., Geçkil H., Karataş M.
Nobel Yayınevi, Ankara, 2010
20. **BÖLÜM 9: Virolojinin Esasları**
GEÇKİL H.
in: BROCK MİKROORGANİZMALARIN BİYOLOJİSİ, Cumhur 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, Cumhur 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'xxda 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 Congrees, 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.
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, vol.22
9. **Expression of gene encoding Theileria parva enolase in Escherichia coli JM103 strain**
Celik V., Icen I., PELLE R., Munzuroglu 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., Munzuroglu 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., Munzuroglu 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 Hemoglobin'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	**Director of the Center**	Inonu University, Üstün Yetenekli Çocuklar Merkezi, Üstün Yetenekli Çocuklar Merkezi
2011 - 2012	**Head of Department**	Inonu University, Moleküler Biyoloji Ve Genetik Bölümü, Moleküler Biyoloji Ve Genetik Bölümü
2010 - 2012	**Director of the Center**	Inonu University, İnönü Çocuk Üniversitesi, İnönü Çocuk Üniversitesi
2002 - 2006	**Erasmus Program Institutional Coordinator**	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 Biyogirişimcilik, 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 Çalışması II, Undergraduate, 2015-2016
MBG411 Biyogirişimcilik, Undergraduate, 2015-2016
MBG311-S Biyokimyasal Hesaplamalar, Undergraduate, 2015-2016
MBG353 Biyokimya Laboratuarı I, Undergraduate, 2015-2016
MBG107 Mesleki İngilizce, Undergraduate, 2015-2016
MBG354 Biyokimya Laboratuarı II, Undergraduate, 2015-2016
MBG403 Bitirme Çalışması 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 Mühendisliği, Undergraduate, 2015-2016
MBG154 Genel Biyoloji Laboratuvarı II, Undergraduate, 2014-2015
MBG303 Biyokimya I, Undergraduate, 2014-2015
MBG353 Biyokimya Laboratuarı I, Undergraduate, 2014-2015
MBG354 Biyokimya Laboratuarı II, Undergraduate, 2014-2015
MBG107 Mesleki İngilizce, Undergraduate, 2014-2015
MBG322 Bilim Felsefesi ve Etiği, 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
Inroduction to Molecular Biology and Genetics, Undergraduate, 2013-2014
Biotechnology, Undergraduate, 2013-2014
MBG103 Genel Biyoloji I, Undergraduate, 2013-2014
Inroduction to Molecular Biology and Genetics, Undergraduate, 2012-2013
General Biology Laboratory, Undergraduate, 2012-2013
Inroduction 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 Laboratuarı, 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 Laboratuarı, Undergraduate, 2009-2010
BİYOKİMYA, Undergraduate, 2009-2010
BİYOLOJİDE ANALİTİK METOTLAR, Undergraduate Double Major, 2009-2010
Genetik Mühendislik Uygulamaları, Undergraduate Double Major, 2009-2010
Biyokimya Laboratuarı, Undergraduate, 2008-2009
Genetik Mühendislik Uygulamaları, Undergraduate Double Major, 2008-2009
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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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 Laboratuarı, Undergraduate, 2007-2008
BİYOLOJİDE ANALİTİK METOTLAR, Undergraduate Double Major, 2006-2007
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GENETİK MÜHENDİSLİK, Undergraduate Minor, 2006-2007
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UYGULAMALI BİYOKİMYASAL VE MOLEKÜLER TEKNİKLER, Undergraduate Minor, 2006-2007
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BİYOLOJİDE ANALİTİK METOTLAR, Undergraduate Double Major, 2005-2006
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GENETİK MÜHENDİSLİK, Undergraduate Minor, 2004-2005
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Genetik Mühendislik Uygulamaları, Undergraduate Double Major, 2004-2005
BİYOKİMYA, Undergraduate, 2004-2005
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Biyokimya Laboratuarı, Undergraduate, 2003-2004
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BİYOLOJİDE ANALİTİK METOTLAR, Undergraduate Double Major, 2002-2003
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BİYOKİMYA, Undergraduate, 2002-2003
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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 Ekpresyonları Üzerine Oksidatif Stres ve RNA Müdehalesinin Etkis, 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., Bakteriyel 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: en 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., Bakteriyel Hemoglobinin 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, Moleculer 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