

# Prof. HÜSEYİN KAHRAMAN

## Personal Information

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## International Researcher IDs

ORCID: 0000-0001-6235-5497

Yoksis Researcher ID: 53632

## Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Biyoloji Abd, Turkey 1998 - 2004

Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Biyoloji Abd, Turkey 1994 - 1997

Undergraduate, Inonu University, Fen Edebiyat, Biyoloji, Turkey 1990 - 1994

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, BAKTERİYEL HEMOGLOBİN GENİ KLONLANMIŞ Pseudomonas sp.'LERİNİN ÇEŞİTLİ ZARARLI AROMATİK MADDE YIKIM POTANSİYELLERİNİN ARAŞTIRILMASI, Inonu University, Fen Bilimleri Enstitüsü, Biyoloji Abd, 2004

Postgraduate, ANGIOTENSİN II TİP1 RESEPTÖRÜ cDNA'SININ RESTRİKSİYON ENZİMLERİ İLE HARİTALANMASI, Inonu University, Fen Bilimleri Enstitüsü, Biyoloji Abd, 1997

## Research Areas

Life Sciences, Biochemistry, Microbial Biochemistry, Biotechnology, Microbial Biotechnology, Microbiology, Bacteriology, Molecular Biology and Genetics, Microbial Genetics, Natural Sciences

## Academic Titles / Tasks

Associate Professor, Inonu University, Fen-Edebiyat Fakültesi, Biyoloji, 2013 - Continues

Assistant Professor, Inonu University, Fen-Edebiyat Fakültesi, Biyoloji, 2007 - 2013

Research Assistant PhD, Inonu University, Fen-Edebiyat Fakültesi, Biyoloji, 2004 - 2007

Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, Biyoloji, 1994 - 2004

## **Academic and Administrative Experience**

Inonu University, Havacılık Yüksek Okulu, 2015 - 2016

Inonu University, Fen Edebiyat, Biyoloji, 2010 - 2013

Inonu University, Fen Edebiyat , Biyoloji, 2009 - 2010

## **Courses**

GENETİK LAB, Undergraduate, 2013-2014

BİYOKİMYA, Undergraduate, 2013-2014

GENETİK, Undergraduate, 2013-2014

BİYOKİMYA LAB, Undergraduate, 2013-2014

MUTASYONLAR, Undergraduate Double Major, 2013-2014

MUTASYONLAR, Undergraduate Double Major, 2012-2013

MOLEKÜLER MİKROBİYOLOJİ, Undergraduate Double Major, 2012-2013

BİYOKİMYA, Undergraduate, 2012-2013

PARAZİTOLOJİ LAB, Undergraduate, 2012-2013

GENEL BİYO.LAB., Undergraduate, 2012-2013

KLİNİK BİYOKİMYA, Undergraduate, 2012-2013

GENETİK LAB, Undergraduate, 2012-2013

AZOTLU BİLEŞİKLER METABOLİZMASI, Undergraduate Minor, 2012-2013

MOLEKÜLER MİKROBİYOLOJİ, Undergraduate Double Major, 2011-2012

BİYOKİMYA LAB, Undergraduate, 2011-2012

AZOTLU BİLEŞİKLER METABOLİZMASI, Undergraduate Minor, 2011-2012

KLİNİK BİYOKİMYA, Undergraduate, 2011-2012

MUTASYONLAR, Undergraduate Double Major, 2011-2012

PARAZİTOLOJİ LAB, Undergraduate, 2011-2012

GENETİK, Undergraduate, 2011-2012

GENETİK, Undergraduate, 2010-2011

HAYVAN FİZYOLOJİSİ, Undergraduate, 2010-2011

BİYOKİMYA, Undergraduate, 2010-2011

MUTASYONLAR, Undergraduate Double Major, 2010-2011

KLİNİK BİYOKİMYA, Undergraduate, 2010-2011

FİZYOLOJİ LAB, Undergraduate, 2010-2011

GENEL BİYO.LAB., Undergraduate, 2010-2011

BİYOKİMYA LAB, Undergraduate, 2010-2011

MOLEKÜLER MİKROBİYOLOJİ, Undergraduate Double Major, 2010-2011

AZOTLU BİLEŞİKLER METABOLİZMASI, Undergraduate Minor, 2010-2011

GENEL BİYOLOJİ, Undergraduate, 2010-2011

MOLEKÜLER MİKROBİYOLOJİ, Undergraduate Double Major, 2009-2010

FİZYOLOJİ LAB, Undergraduate, 2009-2010

MUTASYONLAR, Undergraduate Double Major, 2009-2010

HAYVAN FİZYOLOJİSİ, Undergraduate, 2009-2010

KLİNİK BİYOKİMYA, Undergraduate, 2009-2010

AZOTLU BİLEŞİKLER METABOLİZMASI, Undergraduate Minor, 2009-2010

GENEL BİYO.LAB., Undergraduate, 2009-2010

GENETİK, Undergraduate, 2009-2010

ENDOKRİNOLOJİ, Undergraduate, 2009-2010

KLİNİK BİYOKİMYA, Undergraduate, 2008-2009

ENDOKRİNOLOJİ, Undergraduate, 2008-2009

HAYVAN FİZYOLOJİSİ, Undergraduate, 2008-2009

GENEL MİKROBİYOLOJİ, Associate Degree, 2008-2009

FİZYOLOJİ LAB, Undergraduate, 2008-2009  
MOLEKÜLER MİKROBİYOLOJİ, Undergraduate Double Major, 2008-2009  
FİZYOLOJİ LAB, Undergraduate, 2007-2008  
KLİNİK BİYOKİMYA, Undergraduate, 2007-2008  
MOLEKÜLER MİKROBİYOLOJİ, Undergraduate Double Major, 2007-2008  
HAYVAN FİZYOLOJİSİ, Undergraduate, 2007-2008  
GENEL MİKROBİYOLOJİ, Associate Degree, 2007-2008

## Advising Theses

KAHRAMAN H., *Pseudomonas aeruginosa* E. coli ve *Enterobacter faecalis*'de Farklı Ortam Koşullarında Proteaz, Prolin ve Biofilm Üretimi ile Kayma Hareketlerinin İncelenmesi, Postgraduate, C.Canan(Student), 2016  
KAHRAMAN H., *Vitreoscilla Hemoglobin (VHb) Geni (vgb) Aktarılmış Pseudomonas aeruginosa'nın Farklı Koşullarda Rhamnolipit Üretiminin Araştırılması*, Postgraduate, A.ÇOLAK(Student), 2012  
KAHRAMAN H., *Vitreoscilla Hemoglobin Geni Taşıyan Stres Altındaki Rekombinant Pseudomonas aeruginosa'da Piyosiyanın Üretimi*, Postgraduate, D.Özcan(Student), 2011

## Jury Memberships

Post Graduate, Cennet Canan Karaderi Tez Savunma sınavı, İnönü Üniversitesi, December, 2016  
Post Graduate, Ali Özcan Tez Savunma sınavı, Aksaray Üniversitesi, August, 2016  
Appointment to Academic Staff-Assistant Professorship, Can Ali Ağca Yrd. Doç. Ataması, Bingöl Üniversitesi, July, 2016  
Post Graduate, Özgür Yılmaz Tez Savunma sınavı, İnönü Üniversitesi, July, 2012  
Doctorate, Aslı Giray Kurt Tez Savunma sınavı, İnönü Üniversitesi, July, 2012  
Post Graduate, Aylin Çolak Tez Savunma sınavı, İnönü Üniversitesi, May, 2012  
Post Graduate, Duygu Özcan Tez Savunma sınavı, İnönü Üniversitesi, June, 2011

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

- I. **Effect of calcium on *Pseudomonas aeruginosa* and *Bacillus cereus* metabolites**  
Keskin Z. B., KAHRAMAN H.  
BRAZILIAN JOURNAL OF BIOLOGY, vol.82, 2022 (SCI-Expanded)
- II. **Production of proline and protease with different organic wastes in bacteria (Production proline and protease with organic wastes)**  
KAHRAMAN H., Karaderi C. C.  
BRAZILIAN JOURNAL OF BIOLOGY, vol.82, 2022 (SCI-Expanded)
- III. **Pyocyanine Production, Twitching Motility and Hydrophobicity of Different Wastes on *Pseudomonas aeruginosa***  
KAHRAMAN H., Karaderi C. C.  
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.30, no.2, pp.1641-1645, 2021 (SCI-Expanded)
- IV. **The evaluation of low-cost biosorbents for removal of an azo dye from aqueous solution**  
KAHRAMAN S., YALCIN P., KAHRAMAN H.  
WATER AND ENVIRONMENT JOURNAL, vol.26, no.3, pp.399-404, 2012 (SCI-Expanded)
- V. **Rhamnolipid production by *Pseudomonas aeruginosa* engineered with the *Vitreoscilla hemoglobin* gene**  
KAHRAMAN H., Erenler S. O.  
APPLIED BIOCHEMISTRY AND MICROBIOLOGY, vol.48, no.2, pp.188-193, 2012 (SCI-Expanded)
- VI. **Production of methionine gamma- lyase in recombinant *Citrobacter freundii* bearing the hemoglobin**

## **gene**

KAHRAMAN H., Aytan E., Kurt A. G.

BMB REPORTS, vol.44, no.9, pp.590-594, 2011 (SCI-Expanded)

### **VII. 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)

### **VIII. 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)

## **Articles Published in Other Journals**

### **I. Investigation of Arginine Deiminase Activity in Bacillus cereus and Ralstonia eutropha Under Minimal Conditions**

KARADERİ C. C., KAHRAMAN H.

Türk Doğa ve Fen Dergisi, vol.12, no.2, pp.99-103, 2023 (Peer-Reviewed Journal)

### **II. . Escherichia coli ve Staphylococcus aureus' un Evsel Atık Kızartma Yağ Ortamında Biyofilm Oluşumu, Bakteri Hücre Sayımı ve Hücre Yoğunluğu.**

Karaderi C. C., KAHRAMAN H.

Bayburt Üniversitesi Fen Bilimleri Dergisi, vol.3, no.2, pp.117-121, 2020 (Peer-Reviewed Journal)

### **III. Heavy Metals and Bacteria; Example of P. aeruginosa**

Kahraman H.

Biomedical Journal of Scientific & Technical Research, vol.29, no.3, pp.22444-22446, 2020 (Peer-Reviewed Journal)

### **IV. The Effect of Ca Ions for Bacteria.**

Kahraman H.

Biomedical Journal of Scientific & Technical Research, vol.23, no.4, pp.17562-17564, 2019 (Peer-Reviewed Journal)

### **V. Effects of KCl (rpm/Heat) on Bacterial Protease Production in E. coli, P. aeruginosa and E. faecalis**

Karaderi C. C., Kahraman H.

Archives of Biotechnology and Biomedicine, vol.2, pp.8-17, 2019 (Peer-Reviewed Journal)

### **VI. The Importance of L-Rhamnose Sugar**

Kahraman H.

Biomedical Journal of Scientific & Technical Research, vol.21, no.3, pp.15906-15908, 2019 (Peer-Reviewed Journal)

### **VII. The Importance of Trehalose Sugar**

Kahraman H., Budak Keskin Z.

Biomedical Journal of Scientific & Technical Research, vol.20, no.2, pp.15917-15919, 2019 (Peer-Reviewed Journal)

### **VIII. Biofilm effect and growth of waste cheese whey (WCW) on bacteria.**

Kahraman H., Karaderi C. C.

Biomedical Journal of Scientific & Technical Research, vol.20, no.2, pp.14822-14829, 2019 (Peer-Reviewed Journal)

### **IX. The Importance of KCl**

Kahraman H., Karaderi C. C.

Biomedical Journal of Scientific & Technical Research, vol.19, no.2, pp.14170-14171, 2019 (Peer-Reviewed Journal)

### **X. Biofilm and growth effect of sugar beet molasses (SBM) on Pseudomonas aeruginosa**

Kahraman H., Karaderi C. C.

ACTA Scientific Microbiology, vol.2, no.6, pp.83-87, 2019 (Peer-Reviewed Journal)

### **XI. Swarming and Swimming Movement of Bacteria in Different Organic Wastes.**

Kahraman H., Karaderi C. C.

Trends Journal of Science Research, vol.4, no.1, pp.14-20, 2019 (Peer-Reviewed Journal)

### **XII. The Importance of Arginine Deiminase**

- Kahraman H., Karaderi C. C.  
Archives of Chemistry And Chemical Engineering, vol.1, no.1, pp.1-3, 2019 (Non Peer-Reviewed Journal)
- XIII. **Proline Formation (Produce) In the Bacteria: under KCl Stress.**  
Kahraman H., Karaderi C. C.  
Trends Journal of Science Research, vol.3, no.2, pp.90-95, 2018 (Peer-Reviewed Journal)
- XIV. **Biofilm Effect and Growth of Waste Frying Oil (WFO) on Bacteria**  
Kahraman H., Karaderi C. C.  
International Journal of Biochemistry & Physiology, vol.3, no.4, pp.1-8, 2018 (Peer-Reviewed Journal)
- XV. **Pseudomonas aeruginosa Expressing Vitreoscilla Hemoglobin Shows Increased Production of L-Lysine  $\alpha$ -Oxidase: an Enzyme used in Cancer Therapy.**  
Kahraman H.  
Turkish Journal of Science and Technology, vol.13, no.2, pp.47-52, 2018 (Peer-Reviewed Journal)
- XVI. **Effect of KCl on Biofilm Formation.**  
Kahraman H., Karaderi C. C.  
International Journal of Biochemistry & Physiology, vol.3, no.4, pp.1-8, 2018 (Peer-Reviewed Journal)
- XVII. **Pseudomonas aeruginosa'da Bakteriyel Hareketler (Kayma, Yüzme, Titreme).**  
Karaderi C. C., Kahraman H.  
Elektronik Mikrobiyoloji Dergisi TR, vol.15, no.2, pp.1-5, 2017 (Peer-Reviewed Journal)
- XVIII. **Farklı Koşullar Altında Pseudomonas aeruginosa, Escherichia coli ve Enterococcus faecalis'in Bakteriyel Hareketlerinin Araştırılması**  
Karaderi C. C., Kahraman H.  
Elektronik Mikrobiyoloji Dergisi , vol.15, no.1, pp.8-15, 2017 (Peer-Reviewed Journal)
- XIX. **Effects of Citrobacter freundii ATP production and oxygen intake two different plasmids carrying the Vitreoscilla hemoglobin gene ATP production and oxygen intake plasmids carrying the Vitreoscilla hemoglobin gene.**  
Kahraman H., Kurt A. G.  
AKU Journal of Science and Engineering, vol.17, pp.28-33, 2017 (Peer-Reviewed Journal)
- XX. **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)
- XXI. **L- Methionine, L-Methionine  $\gamma$ -Lyase, Cancer**  
Kahraman H.  
JSM Enzymology and Protein Science, vol.1, no.1, pp.1-2, 2015 (Peer-Reviewed Journal)
- XXII. **Pyocyanin production in the presence of calcium ion in Pseudomonas aeruginosa and their recombinant bacterium.**  
Özcan D., Kahraman H.  
. Turkish Journal of Science and Technology, vol.10, no.1, pp.13-19, 2015 (Peer-Reviewed Journal)
- XXIII. **Effect of Heavy Metals on Recombinant Pseudomonas aeruginosa carrying Vitreoscilla Hemoglobin Gene**  
Kahraman H., Kurt A. G., Aytan E.  
Electronic Journal of Biology, vol.10, no.2, pp.40-45, 2014 (Peer-Reviewed Journal)
- XXIV. **Production in the Presence of Heavy Metals in Recombinant Erwinia ferbicola bearing the Hemoglobin Gene.**  
Kahraman H., Aytan E., Kurt A. G., Özcan D.  
Suleyman Demirel University Journal of Natural and Applied Science, vol.17, no.2, pp.11-16, 2013 (Peer-Reviewed Journal)
- XXV. **The use of raw cheese whey and olive oil mill wastewater for rhamnolipid production by recombinant Pseudomonas aeruginosa.**  
Çolak A., Kahraman H.  
Environmental and Experimental Biology, vol.11, no.3, pp.125-130, 2013 (Peer-Reviewed Journal)

- XXVI. **Benzoik Asitin Vitreoscilla hemoglobin geni aktarılmış Pseudomonas aeruginosa tarafından yıkımı**  
GEÇKİL H., KAHRAMAN H.  
Firat Üniversitesi, Fen ve Mühendislik Bilimleri Dergisi, vol.17, no.2, pp.342-348, 2005 (Peer-Reviewed Journal)

## Books & Book Chapters

### I. Biomembrane and Cell signalling

Kahraman H., Erenler A. Ş.

in: Biochemistry, Yusuf Tutar, Hikmet Geçkil, Mehmet Karataş, Editor, Nobel Yayın Dağıtım, Ankara, pp.131-171, 2010

## Refereed Congress / Symposium Publications in Proceedings

### I. 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

### II. Genetic Engineering of "Vitreoscilla Hemoglobin Gene in Pseudomonas sp

Kahraman H., Geçkil H., Stark B. C., Webster D. A.

1st Eurasian Congress on Molecular Biotechnology, Trabzon, Turkey, 17 - 20 October 2001, pp.90

## Supported Projects

KAHRAMAN H., Project Supported by Higher Education Institutions, PSEUDOMONAS AERUGINOSA'DA FARKLI ORTAM KOŞULLARINDA ELASTAZ VE BİYOFİLM ÜRETİMİ İLE KAYMA HAREKETLERİNİN İNCELENMESİ, 2015 - Continues

KAHRAMAN H., YILDIRIM M., AKBULUT E., Project Supported by Higher Education Institutions, SARSCoV2 Spike XBB15 Kraken Varyantının Spike Protein Yapısında Ortaya Çıkardığı Değişimlerin Araştırılması, 2023 - 2024

KAHRAMAN H., KARADERİ C. C., Project Supported by Higher Education Institutions, Farklı Ortamlarda

Mikroorganizmaların Arjinin Deiminaz Trehaloz ve Poli Hidroksi Bütirat PHB Üretiminin Araştırılması, 2020 - 2022

KAHRAMAN H., BUDAK KESKİN Z., Project Supported by Higher Education Institutions, CaCl<sub>2</sub> Varlığında Bakterilerde LasB Elastaz Amilaz Proteaz Aktivitesi ve H<sub>2</sub>O<sub>2</sub> Duyarlılığının Araştırılması, 2019 - 2021

Kahraman H., Karaderi C. C., Project Supported by Higher Education Institutions, Pseudomonas aeruginosa Escherichia colive Enterococcus faecalis de arklı ortam koşullarında proteaz prolin ve biofilm üretimi ile kayma hareketlerinin incelenmesi, 2015 - 2016

Kahraman H., Project Supported by Higher Education Institutions, Biyoloji Bölümü Öğrenci Laboratuvarlarının Alt Yapısını Geliştirme Projesi, 2011 - 2012

Kahraman H., Aytan E., Giray A., (Özcan) Güçlü D., Project Supported by Higher Education Institutions, Pseudomonas aeruginosa ve Rekombinantının Üzerine Ağır Metal Sitresinin Etkileri, 2010 - 2012

Kahraman H., Kitlik A., Project Supported by Higher Education Institutions, Doğal ve Sentetik Ortamlarda Vitreoscilla Hemoglobin VHb Geni vgb Aktarılmış Pseudomonas aeruginosa İle Biyosürekten Olan Ramnolipid Üretiminin Araştırılması, 2009 - 2012

Kahraman H., Erenler Ş., Project Supported by Higher Education Institutions, Vitreoscilla Hemoglobin Geni vgb Klonlanmış Pseudomonas aeruginosa Tarafından Ramnolipid Üretimi, 2007 - 2009

Kahraman H., TUBITAK Project, Bakteri Hemoglobin Geni Klonlanmış Pseudomonas aeruginosa nın Endüstriyel Kullanım Potansiyeli, 2002 - 2004

## **Metrics**

Publication: 61

Citation (WoS): 104

Citation (Scopus): 120

H-Index (WoS): 5

H-Index (Scopus): 5

## **Non Academic Experience**

İnönü Üniversitesi

İnönü Üniversitesi

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