

Assoc. Prof. MELTEM YILMAZ

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Kirikkale University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), Turkey 2003 - 2006

Postgraduate, Kirikkale University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), Turkey 2000 - 2003

Undergraduate, Gazi University, Fen-Edebiyat Fakültesi, Biyoloji Pr., Turkey 1996 - 2000

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Polihidroksi etilmetakrilat kökenli yapay damarların hazırlanması ve biyo-uyumluluk özelliklerinin artırılması ve karakterizasyonu, Kirikkale University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), 2006

Postgraduate, Procion brown MX5-BR and procion green H-4G bağlı pHEMA sorbentlerinin lizozim enziminin saflaştırılmasında kullanımı ve saflık derecesinin YBSK'xxda tayini, Kirikkale University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 2003

Research Areas

Natural Sciences

Academic Titles / Tasks

Associate Professor, Ankara Hacı Bayram Veli University, Polatlı Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2018 - Continues

Associate Professor, Gazi University, Polatlı Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2017 - 2018

Research Assistant, Kirikkale University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2001 - 2008

Academic and Administrative Experience

Ankara Hacı Bayram Veli University, 2019 - Continues

Courses

ÇEVRE KİRLİLİĞİ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010

KANSER BİYOLOJİSİ, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

MİKROBİYAL BİYOTEKNOLOJİ, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

SAĞLIK MİKROBİYOLOJİSİ, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014

BİYOKİMYA-I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

BİLGİSAYAR-I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

ARAŞTIRMA PROJESİ-I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

ARAŞTIRMA PROJESİ-II, Undergraduate, 2018 - 2019, 2017 - 2018

TEMEL İMMÜNOLOJİ, Undergraduate, 2018 - 2019, 2017 - 2018

ENZİMOLOJİ, Undergraduate, 2018 - 2019, 2017 - 2018, 2014 - 2015

BİYOKİMYA-II, Undergraduate, 2018 - 2019, 2017 - 2018, 2014 - 2015, 2013 - 2014

BİLGİSAYAR-II, Undergraduate, 2018 - 2019, 2017 - 2018

TIBBİ MİKROBİYOLOJİ, Undergraduate, 2018 - 2019, 2017 - 2018, 2014 - 2015, 2013 - 2014

BİLGİSAYAR-I (3.Şube), Undergraduate, 2017 - 2018

ENDÜSTRİYEL MİKROBİYOLOJİ, Undergraduate, 2017 - 2018, 2014 - 2015, 2013 - 2014

GIDA BİYOTEKNOLOJİSİ, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

BİYOTEKNOLOJİ, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

BİYOLOJİ TARİHİ, Undergraduate, 2017 - 2018

BİLGİSAYAR-I (2.Şube), Undergraduate, 2017 - 2018

Kansre Biyolojisi, Undergraduate, 2015 - 2016

Nanomateriyallerin Çevresel Uygulamaları, Postgraduate, 2015 - 2016, 2014 - 2015

Genel Biyoloji, Undergraduate, 2014 - 2015

Araştırma Projesi, Undergraduate, 2014 - 2015

Biyoloji ve Çevre, Undergraduate, 2014 - 2015

Çevre Teknolojileri, Postgraduate, 2013 - 2014, 2012 - 2013

MATEMATİK II -2.Şb, Associate Degree, 2012 - 2013

FİZİK I- 2. Şb, Associate Degree, 2012 - 2013

FİZİK I -1.Şb, Associate Degree, 2012 - 2013

MATEMATİK II-1.Şb, Associate Degree, 2012 - 2013

MATEMATİK I, Associate Degree, 2011 - 2012

MÜHENDİSLİK BİLİMİ II-İÖ-1.Şb, Associate Degree, 2010 - 2011

MÜHENDİSLİK BİLİMİ I - 4.Şb, Associate Degree, 2010 - 2011

MÜHENDİSLİK BİLİMİ I -İÖ-3.Şb, Associate Degree, 2010 - 2011

MÜHENDİSLİK BİLİMİ II-4.Şb, Associate Degree, 2010 - 2011

MÜHENDİSLİK BİLİMİ II-1.Şb, Associate Degree, 2010 - 2011

MÜHENDİSLİK BİLİMİ I, Associate Degree, 2010 - 2011

MÜHENDİSLİK BİLİMİ II-2.Şb, Associate Degree, 2010 - 2011

MÜHENDİSLİK BİLİMİ I-2.Şb, Associate Degree, 2010 - 2011

MÜHENDİSLİK BİLİMİ II-3.Şb, Associate Degree, 2010 - 2011

MÜHENDİSLİK BİLİMİ I -3.Şb, Associate Degree, 2010 - 2011

MÜHENDİSLİK BİLİMİ I -İÖ-1. Şb, Associate Degree, 2010 - 2011

MATEMATİK-2-1.Şb, Associate Degree, 2009 - 2010

ALETSEL ANALİZ LAB, Associate Degree, 2009 - 2010

GENEL KİMYA LAB.-I - 6.Şb, Associate Degree, 2009 - 2010

TEKNOLOJİNİN BİLİMSEL İLKELERİ 8.Şb, Associate Degree, 2009 - 2010

GENEL KİMYA LAB.-II, Associate Degree, 2009 - 2010
MATEMATİK-2 -2.Şb, Associate Degree, 2009 - 2010
GENEL KİMYA LABORATUVARI-1-5.şb, Associate Degree, 2009 - 2010
GENEL KİMYA LAB.-I - 2.şb, Associate Degree, 2009 - 2010
GENEL KİMYA LABORATUVARI-1- 1.şb, Associate Degree, 2009 - 2010
TEKNOLOJİNİN BİLİMSEL İLKELERİ 4.şb, Associate Degree, 2009 - 2010
KATI ATIKLAR , Associate Degree, 2008 - 2009

Advising Theses

YILMAZ M., PCB biyodegradasyonu için yeni bir biyosorbentin kullanım potansiyelinin araştırılması, Postgraduate, Ö.KUZU(Student), 2013
YILMAZ M., Yeni bir biyosorbent kullanarak sulu çözeltilerden metal iyonlarının uzaklaştırılması, Postgraduate, M.DOĞAN(Student), 2013
YILMAZ M., Sulu çözeltilerden krom (VI) gideriminde beyaz çürükçül Fungus lentinus Concinnus kullanımı, Postgraduate, N.KAHRAMAN(Student), 2012
YILMAZ M., Reaktif orange 14 ve reaktif blue 2 tekstil boyaalarının beyaz çürükçül fungus Lentinus concinnus ile giderimi, Postgraduate, F.NUR(Student), 2010
YILMAZ M., Ankara Ayaş ilçesindeki içme ve sulama sularında organoklorlu pestisitlerin kromatografik tayini, Postgraduate, Ö.ERDEM(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Heparin-coated poly(hydroxyethyl methacrylate/albumin) hydrogel networks: In vitro hemocompatibility evaluation for vascular biomaterials**
Bayramoglu G., Yilmaz M., BATIŞLAM E., Arica M. Y.
Journal of Applied Polymer Science, vol.109, no.2, pp.749-757, 2008 (SCI-Expanded)
- II. **Preparation of nanofibrous polymer grafted magnetic poly(GMA-MMA)-g-MAA beads for immobilization of trypsin via adsorption**
Bayramoglu G., YILMAZ M., Senel A. U., Arica M. Y.
BIOCHEMICAL ENGINEERING JOURNAL, vol.40, no.2, pp.262-274, 2008 (SCI-Expanded)
- III. **Covalent immobilization of chloroperoxidase onto magnetic beads: Catalytic properties and stability**
Bayramoglu G., Kiralp S., Yilmaz M., TOPPARE L. K., Arica M. Y.
Biochemical Engineering Journal, vol.38, no.2, pp.180-188, 2008 (SCI-Expanded)
- IV. **Chitosan-grafted poly(hydroxyethyl methacrylate-co-glycidyl methacrylate) membranes for reversible enzyme immobilization**
Arica M. Y., YILMAZ M., Bayramoglu G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.103, no.5, pp.3084-3093, 2007 (SCI-Expanded)
- V. **Biosorption of mercury(II), cadmium(II) and lead(II) ions from aqueous system by microalgae Chlamydomonas reinhardtii immobilized in alginate beads**
Bayramoglu G., Tuzun I., Celik G., Yilmaz M., Arica M. Y.
International Journal of Mineral Processing, vol.81, no.1, pp.35-43, 2006 (SCI-Expanded)
- VI. **Modification of surface properties of Lentinus sajor-caju mycelia by physical and chemical methods: evaluation of their Cr6+ removal efficiencies from aqueous medium**
Bayramoglu G., Celik G., Yalcin E., YILMAZ M., Arica M.
JOURNAL OF HAZARDOUS MATERIALS, vol.119, no.1-3, pp.219-229, 2005 (SCI-Expanded)
- VII. **Separation and purification of lysozyme by Reactive Green 19 immobilised membrane affinity chromatography**
YILMAZ M., Bayramoglu G., Arica M.

FOOD CHEMISTRY, vol.89, no.1, pp.11-18, 2005 (SCI-Expanded)

- VIII. **Surface properties of Reactive Yellow 2 immobilised pHEMA and HEMA/chitosan membranes: characterisation of their selectivity to different proteins**
Arica M., YILMAZ M., Yalcin E., Bayramoglu G.
JOURNAL OF MEMBRANE SCIENCE, vol.240, no.1-2, pp.167-178, 2004 (SCI-Expanded)
- IX. **Evaluation of lysozyme adsorptive behaviour of pHEMA-based affinity membranes related to the surface energy and its components to be used in chromatographic fields**
Bayramoglu G., YILMAZ M., Arica M.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.243, no.1-3, pp.11-21, 2004 (SCI-Expanded)
- X. **Biosorption of Hg²⁺, Cd²⁺, and Zn²⁺ by Ca-alginate and immobilized wood-rotting fungus *Funalia trogii***
Arica M., Bayramoglu G., YILMAZ M., Bektas S., Genc O.
JOURNAL OF HAZARDOUS MATERIALS, vol.109, no.1-3, pp.191-199, 2004 (SCI-Expanded)
- XI. **Affinity membrane chromatography: relationship of dye-ligand type to surface polarity and their effect on lysozyme separation and purification**
Arica M., YILMAZ M., Yalcin E., Bayramoglu G.
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.805, no.2, pp.315-323, 2004 (SCI-Expanded)
- XII. **Immobilization of a thermostable alpha-amylase onto reactive membranes: kinetics characterization and application to continuous starch hydrolysis**
Bayramoglu G., YILMAZ M., Arica M.
FOOD CHEMISTRY, vol.84, no.4, pp.591-599, 2004 (SCI-Expanded)
- XIII. **Affinity dye-ligand poly(hydroxyethyl methacrylate)/chitosan composite membrane for adsorption lysozyme and kinetic properties**
Bayramoglu G., YILMAZ M., Arica M.
BIOCHEMICAL ENGINEERING JOURNAL, vol.13, no.1, pp.35-42, 2003 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **CHROMATOGRAPHIC DETERMINATION OF ORGANOCHLORINATED PESTICIDES IN DRINKING AND IRRIGATION WATERS IN AYAS COUNTY**
YILMAZ M., Erdem Ö.
BİLTEK ULUSLARARASI BİLİM, TEKNOLOJİ VE SOSYAL BİLGİLERDE GÜNCEL GELİŞMELER SEMPOZYUMU, Ankara, Turkey, 20 - 22 December 2019, pp.402
- II. **FUNGAL AMATOKSİNLERİN TESPİTİNDE KULLANILAN FARKLI YÖNTEMLERİN KARŞILAŞTIRILMASI**
YILMAZ M.
BİLTEK ULUSLARARASI BİLİM, TEKNOLOJİ VE SOSYAL BİLGİLERDE GÜNCEL GELİŞMELER SEMPOZYUMU, Ankara, Turkey, 20 - 22 December 2019, pp.403
- III. **Klinik nanosensör uygulamaları**
YILMAZ M.
Uluslararası Sağlık Bilimleri ve Biyoteknoloji Kongresi, Uşak, Turkey, 14 - 16 October 2019, pp.545

Supported Projects

YILMAZ M., Project Supported by Higher Education Institutions, Crystal Violet ve Reactive Green 19 boyalarının Serbest ve Tutuklu *Lentinus concinnus* fungusu ile biyodegradasyonu ve ürünlerin sitotoksitelerinin araştırılması, 2015 - 2016
YILMAZ M., TÜBİTAK Project, Enzimlerin yeni geliştirilen siklik karbonat esaslı polimerik yapılara doğrudan immobilizasyonu Lakkaz tutuklanmış polimerik yapıların model endokrin bozucularının biyobozunumunun sürekli

sistemde çalışılması, 2013 - 2015

Metrics

Publication: 16

Citation (WoS): 999

Citation (Scopus): 286

H-Index (WoS): 13

H-Index (Scopus): 3