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Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, The Effect of Imperfect Mixing on the Performance of Escherichia coli K12, University of Wales, Swansea, Faculty Of Engineering, Chemical And Biological Engineering Department, United Kingdom, İngiltere, 1993
Yüksek Lisans, Çan, Keles ve Ağaçlı Linyitlerinin Anorganik Artıklarının Giderilmesi , Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Müh.Bölümü, 1987

Akademik Unvanlar / Görevler

Prof.Dr. 2003 - Devam Ediyor	Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Müh.Bölümü
Doç.Dr. 1997 - 2003	Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Müh.Bölümü

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Araştırma Görevlisi 1986 - 1988	Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Müh.Bölümü

Desteklenen Projeler

1. ÖZBEK B., ŞIDIM G., DOĞU M., Yükseköğretim Kurumları Destekli Proje, Katmanlı İmalat Teknolojilerine Yönelik Özellikleri İyileştirilmiş Fitil/Filaman Geliştirilmesi, 2022 - Devam Ediyor
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5. ÖZBEK B., ÖZTÜRK ER E., Yükseköğretim Kurumları Destekli Proje, Determination of Analytes in Biological Fluids By Q-TOF LC/MS Using Isotope Dilution Method, 2017 - 2021
6. ÖZBEK B., ÖZTÜRK ER E., YILMAZ P., BAKIRDERE S., Yükseköğretim Kurumları Destekli Proje, Kemik Doku Mühendisliği Uygulamalarında Kullanılacak HidroksiapatitGrafen OksitKitosan Doku İskelesinin Süper Kritik Jel Kurutma Tekniği Kullanılarak Üretimi ve Karakterizasyonu, 2018 - 2020
7. ÖZBEK B., TÜBİTAK Projesi, Al2O3 Katkılı Nanolübrikantlarin Hazırlanması ve Reolojik Özelliklerinin Modellenmesi, 2018 - 2019
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31. ÖZBEK B., Diğer Uluslararası Fon Programları, The Deactivation of the Enzymes by a Cell Disrupter, 1996 - 1996

Burslar

Yurtdışı Bilimsel Araştırma Bursu - British Council (United Kingdom - İngiltere), Üniversite, 1996 - 1996
Yurtdışı Doktora Bursu - Yükseköğretim Kurulu Başkanlığı (United Kingdom - İngiltere), Üniversite, 1988 - 1993

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **Assessment of the quality parameters of microwave-dried Ficus carica Linn leaves**
   Yilmaz P., Demirhan E., ÖZBEK B.
   BIOMASS CONVERSION AND BIOREFINERY, 2022 (SCI-Expanded)
2. **Development of Ficus carica Linn leaves extract incorporated chitosan films for active food packaging materials and investigation of their properties**
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   FOOD BIOSCIENCE, cilt.46, 2022 (SCI-Expanded)
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4. **Microwave drying effect on drying characteristic and energy consumption of Ficus carica Linn leaves**
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5. **Utilization of low-cost bio-waste adsorbent for methylene blue dye removal from aqueous solutions and optimization of process variables by response surface methodology approach**

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6. **Determination of seventeen free amino acids in human urine and plasma samples using quadruple isotope dilution mass spectrometry combined with hydrophilic interaction liquid chromatography – Tandem mass spectrometry**
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7. **DNA-damage and cell cycle arrest initiated anti-cancer potency of super tiny carbon dots on MCF7 cell line**
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8. **An optimization study on adsorption of Reactive Blue 19 dye from aqueous solutions by extremely effective and reusable novel magnetic nanoadsorbent**
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10. **Application of supercritical gel drying method on fabrication of mechanically improved and biologically safe three-component scaffold composed of graphene oxide/chitosan/hydroxyapatite and characterization studies**
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12. **Development of an analytical method based on citric acid coated magnetite nanoparticles assisted dispersive magnetic solid-phase extraction for the enrichment and extraction of sildenafil, tadalafil, vardenafil and avanafil in human plasma and urine prior to determination by LC-MS/MS**
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18. **Preparation and characterization of polymer-coated mesoporous silica nanoparticles and their application in Subtilisin immobilization**
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KOREAN JOURNAL OF CHEMICAL ENGINEERING, cilt.34, ss.1992-2001, 2017 (SCI-Expanded)
19. **KEFIR GRAIN BIOMASS PRODUCTION: INFLUENCE OF DIFFERENT CULTURING CONDITIONS AND EXAMINATION OF GROWTH KINETIC MODELS**
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JOURNAL OF FOOD PROCESS ENGINEERING, cilt.40, 2017 (SCI-Expanded)
20. **Production of biologically safe and mechanically improved reduced graphene oxide/hydroxyapatite composites**
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21. **BSA adsorption onto commercial activated carbon modified by microwave assisted chemical activation**
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22. **ASCORBIC ACID DEGRADATION KINETIC FOR MICROWAVE DRIED BASIL, PURSLANE AND CELERY LEAVES**
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LATIN AMERICAN APPLIED RESEARCH, cilt.45, sa.2, ss.113-118, 2015 (SCI-Expanded)
23. **EFFECT OF PRETREATMENTS ON SESAME CAKE PROTEIN HYDROLYSIS BY ALCALASE**
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24. **Color Change Kinetics of Tea Leaves During Microwave Drying**
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INTERNATIONAL JOURNAL OF FOOD ENGINEERING, cilt.11, sa.2, 2015 (SCI-Expanded)
25. **Modeling of the Water Uptake Process for Cowpea Seeds (Vigna Unguiculata L.) under Common Treatment and Microwave Treatment**
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27. **INFLUENCE OF ENZYMATIC HYDROLYSIS ON THE FUNCTIONAL PROPERTIES OF SESAME CAKE PROTEIN**
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33. COLOR CHANGE KINETICS OF CELERY LEAVES UNDERGOING MICROWAVE HEATING
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Akademik İdari Deneyim

2011 - 2022	**Anabilim/Bilim Dalı Başkanı**	Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü
2016 - 2021	**Bölüm Başkanı**	Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü
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