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EDUCATIONAL INFORMATION

Degree	University	Department	Year(s)
Doctoral Degree	Technical University of Berlin	Physical Chemistry	2014 - 2017
Master's Degree	Istanbul Technical University	Chemistry	2008 - 2011
Bachelor's Degree	Istanbul Technical University	Physics Engineering	2004 - 2009
Bachelor's Degree	Istanbul Technical University	Chemistry	2004 - 2008

RESEARCH AREAS

Nanotechnology, Chemometrics, Biopolymers, Computational physics

ACADEMIC DUTIES

Duty	University	Area	Year(s)
Associate Professor	Altınbaş University	Basic Sciences Department	2021 -
Affiliated Researcher	Sabanci University	Nanotechnology Research and Application Center	2020 - 2025
Assistant Professor	Istanbul University	Basic Sciences Department	2020 - 2022
Assistant Professor	Altınbaş University	Basic Sciences Department	2017 - 2021
Lecturer	Kadir Has University	Molecular Biology and Genetics	2017 - 2017
Research Assistant	Istanbul Technical University	Chemistry Department	2010 - 2017

ADMINISTRATIVE DUTIES

Duty	University	Year(s)
Dean of Research	Altınbaş University	2023 -
Head of Biomedical Sciences graduate program	Altınbaş University	2022 -
Head of Scientific Research and Projects Department	Altinbas University	2020 - 2023
Head of Department of Basic Sciences	Altinbas University	2019 -
Vice Dean of Faculty of Engineering and Architecture	Altınbaş University	2018 -

ACADEMIC AND PROFESSIONAL MEMBERSHIPS

Organisation	Membership	Year(s)
Turkish Chemical Society		2019 -
German Physical Society		2015 -

NON-UNIVERSITY EXPERIENCE

Country	Organisation	Duty	Year(s)
Turkey	Istanbulspor	Board Member	2023 -

BOOKS

General Chemistry Laboratory & Safety Rules a Basic Approach
KAYGUSUZ HAKAN
Ücretsiz Laboratuvar Ders Kitabı, Mevcut Değil (Ücretsiz-Serbest Erişim), 2019
Textbook All

Frontier Developments in Optics and Spectroscopy
ERYÜREK GÖNÜL, KAYGUSUZ HAKAN, ÖVEÇOĞLU MUSTAFA LUTFİ
Google Books (Bedava Dağıtım), 978-1-936036-00-4, 2007
Scientific Book Chapter(s)

ARTICLES

COVID-19 modeling based on real geographic and population data
Baysazan Emir, BERKER AHMET NİHAT, MANDAL HASAN, KAYGUSUZ HAKAN
Turkish Journal of Medical Sciences, 2023
International DOI: 10.55730/1300-0144.5589

Sustainable alginate-carboxymethyl cellulose superabsorbents prepared by a novel quasi-cryogelation method
ORHAN BURCU, KAYGUSUZ HAKAN, BERKER FATMA BEDİA
Journal of Polymer Research, 2022
International DOI: 10.1007/s10965-022-03185-1

Novel approaches for COVID-19 diagnosis and treatment: a nonsystematic review
GARİP USTAOĞLU ŞEBNEM, KAYGUSUZ HAKAN, BİLGİN MEHMET DİNÇER, SEVERCAN FERİDE
Turkish Journal of Biology, 2021
International DOI: 10.3906/biy-2105-45

Chemistry research in Europe: A publication analysis (2006-2016)
KAYGUSUZ HAKAN
Journal of Information Science, 2021
International DOI: 10.1177/0165551519865491

Gain Characteristics of Short-Length Erbium-Doped Fiber Amplifiers at Extreme Temperatures
Alnuwab Mustafa Afif, KAYGUSUZ HAKAN
Journal of Applied Spectroscopy, 2021
International DOI: 10.1007/s10812-021-01148-w

5 GHz Wi-Fi effects on Escherichia coli, Caenorhabditis Elegans and human neuroblastoma cells
DİNÇ BİRCAN, ILYAS MUHAMMAD, KAYGUSUZ HAKAN, UÇAN OSMAN NURİ
Mugla Journal of Science and Technology, 2021
National DOI: 10.22531/muglajsci.820783

The effect of weekend curfews on epidemics: a Monte Carlo simulation
KAYGUSUZ HAKAN, BERKER AHMET NİHAT
TURKISH JOURNAL OF BIOLOGY, 2021
International DOI: 10.3906/biy-2105-69

Electric-field induced phase transitions in capillary electrophoretic systems
KAYGUSUZ HAKAN, BERKER FATMA BEDİA, BERKER AHMET NİHAT
PHYSICS OF FLUIDS, 2021
International DOI: 10.1063/5.0065824

ХАРАКТЕРИСТИКИ ВОЛОКОННЫХ УСИЛИТЕЛЕЙ КОРОТКОЙ ДЛИНЫ НА ОСНОВЕ ЭРБИЯ ПРИ ЭКСТРЕМАЛЬНЫХ ТЕМПЕРАТУРАХ / GAIN CHARACTERISTICS OF SHORT-LENGTH ERBIUM DOPED FIBER AMPLIFIERS AT EXTREME TEMPERATURES
Al Nuwab Mustafa Afif, KAYGUSUZ HAKAN
Zhurnal Prikladnoii Spektroskopii, 2021
International

ARTICLES

Mechanical, thermal and chemical properties of spent black tea doped concrete
HANBAY SERAP, KAYGUSUZ HAKAN
Materials Testing, 2020
International DOI: 10.3139/120.111584

Country-Based Statistical Analysis of Architecture Publications between 2010 and 2020
Merve Handere, Hakan Kaygusuz
HAL Preprint, 2023
International DOI: hal-04098527

Antibacterial nano cerium oxide/chitosan/cellulose acetate composite films as potential wound dressing
KALAYCIOĞLU ZEYNEP, KAHYA NİLAY, ADIMCILAR VESELİNA, KAYGUSUZ HAKAN, TORLAK EMRAH, AKIN EVİNGÜR GÜLŞEN, BERKER FATMA BEDİA
European Polymer Journal, 2020
International DOI: 10.1016/j.eurpolymj.2020.109777

Analysis of a Rare Honey Sample From Tuzluca/Iğdır Region
KAYGUSUZ HAKAN
Journal of the Institute of Science and Technology, 2020
National DOI: 10.21597/jist.664048

Biopolymer-assisted green synthesis of functional cerium oxide nanoparticles
KAYGUSUZ HAKAN, BERKER FATMA BEDİA
Chemical Papers, 2020
International DOI: 10.1007/s11696-020-01084-7

Evaluation of some Turkish Salvia species by principal component analysis based on their vitamin B2, mineral composition, and antioxidant properties
Gezek Görkem, Hashemi Parya, KALAYCIOĞLU ZEYNEP, KAYGUSUZ HAKAN, Sarıoğlu Gözde, DÖKER SERHAT, DİRMENCİ TUNCAY, BERKER FATMA BEDİA
LWT, 2019
International DOI: 10.1016/j.lwt.2018.10.066

Türkiye'ye Özgü Bitki ve Gıda Örneklerinin Temel Bileşenler Analiziyle Sınıflandırılması
KAYGUSUZ HAKAN
AURUM Mühendislik Sistemleri ve Mimarlık Dergisi, 2018
National

Aqueous Removal of Sodium Dodecyl Benzene Sulfonate (SDBS) by Crosslinked Chitosan Films
KAHYA NİLAY, KAYGUSUZ HAKAN, BERKER FATMA BEDİA
Journal of Polymers and the Environment, 2018
International DOI: 10.1007/s10924-017-1113-3

Graphene Oxide/Alginate Quasi-Cryogels for Removal of Methylene Blue
Balkız Gizem, Pingo Evridiki, KAHYA NİLAY, KAYGUSUZ HAKAN, BERKER FATMA BEDİA
Water, Air, & Soil Pollution, 2018
International DOI: 10.1007/s11270-018-3790-5

Adsorptive removal kinetics of anionic dye onto chitosan films doped with graphene oxide: An in situ fluorescence monitoring
KAHYA NİLAY, BENER SEMİRA, KAYGUSUZ HAKAN, AKIN EVİNGÜR GÜLŞEN, BERKER FATMA BEDİA
Chemical Engineering Communications, 2018
International DOI: 10.1080/00986445.2017.1423064

Foam-based antibacterial hydrogel composed of carboxymethyl cellulose/polyvinyl alcohol/cerium oxide nanoparticles for potential wound dressing
Burcu Orhan, Duygu Karadeniz, Zeynep Kalaycıoğlu, Hakan Kaygusuz, Emrah Torlak, F. Bedia Erim
International Journal of Biological Macromolecules, 2025
International DOI: 10.1016/j.ijbiomac.2024.138924



ARTICLES

Detection of chemometric-guided biomarkers associated with alcohol consumption in mice liver tissue using infrared spectroscopy
Arwa Dahham Qadawee, Ali Forat Algburi, Şebnem Garip Ustaoğlu, İlknur Dursun, Hakan Kaygusuz
ChemRxiv Preprint, 2024
International DOI: 10.26434/chemrxiv-2024-crzn6

Antimicrobial cerium ion-chitosan crosslinked alginate biopolymer films: A novel and potential wound dressing
KAYGUSUZ HAKAN, TORLAK EMRAH, AKIN EVİNGÜR GÜLŞEN, ÖZEN İLHAN, Regine von Klitzing, BERKER FATMA BEDİA
International Journal of Biological Macromolecules, 2017
International DOI: 10.1016/j.ijbiomac.2017.07.144

Effect of anionic surfactant on alginate-chitosan polyelectrolyte multilayer thickness
KAYGUSUZ HAKAN, Micciulla Samantha, BERKER FATMA BEDİA, Regine von Klitzing
Journal of Polymer Science Part B: Polymer Physics, 2017
International DOI: 10.1002/polb.24429

Characterization of Turkish honeybee pollens by principal component analysis based on their individual organic acids, sugars, minerals, and antioxidant activities
KALAYCIOĞLU ZEYNEP, KAYGUSUZ HAKAN, DÖKER SERHAT, KOLAYLI SEVGİ, BERKER FATMA BEDİA
LWT, 2017
International DOI: 10.1016/j.lwt.2017.06.003

Microstructural and optical properties of SiO2 glasses doped with ZnSe quantum dots and Nd3+ ions
El Boukhari Thami, KAYGUSUZ HAKAN, BİLİR GÖKHAN, BERKER FATMA BEDİA, ERYÜREK GÖNÜL
Physica B: Condensed Matter, 2017
International DOI: 10.1016/j.physb.2016.11.026

Surfactant and metal ion effects on the mechanical properties of alginate hydrogels
KAYGUSUZ HAKAN, AKIN EVİNGÜR GÜLŞEN, PEKCAN MEHMET ÖNDER, von Klitzing Regine, BERKER FATMA BEDİA
International Journal of Biological Macromolecules, 2016
International DOI: 10.1016/j.ijbiomac.2016.07.004

Methylene blue removal by alginate-clay quasi-cryogel beads
Uyar Güler, KAYGUSUZ HAKAN, BERKER FATMA BEDİA
Reactive and Functional Polymers, 2016
International DOI: 10.1016/j.reactfunctpolym.2016.07.001

Characterization of Anatolian honeys based on minerals, bioactive components and principal component analysis
KAYGUSUZ HAKAN, TEZCAN TEKELİ FİLİZ, BERKER FATMA BEDİA, YILDIZ OKTAY, ŞAHİN HÜSEYİN, CAN ZEHRA, KOLAYLI SEVGİ
LWT - Food Science and Technology, 2016
International DOI: 10.1016/j.lwt.2015.12.005

Removal of Fluoride from Aqueous Solution Using Aluminum Alginate Beads
KAYGUSUZ HAKAN, UZAŞÇI SESİL, BERKER FATMA BEDİA
CLEAN - Soil, Air, Water, 2015
International DOI: 10.1002/clen.201300632

Aluminum Alginate-Montmorillonite Composite Beads for Defluoridation of Water
KAYGUSUZ HAKAN, Çoşkunırmak Meryem Hilal, KAHYA NİLAY, BERKER FATMA BEDİA
Water, Air, & Soil Pollution, 2015
International DOI: 10.1007/s11270-014-2257-6

Natural alginate biopolymer montmorillonite clay composites for vitamin B2 delivery
KAYGUSUZ HAKAN, Uysal Mutlu, ADIMCILAR VESELİNA, BERKER FATMA BEDİA
Journal of Bioactive and Compatible Polymers, 2015
International DOI: 10.1177/0883911514557014

ARTICLES

Gelation of PAAm PVP composites A fluorescence study
AKIN EVİNGÜR GÜLŞEN, KAYGUSUZ HAKAN, BERKER FATMA BEDİA, PEKCAN MEHMET ÖNDER
International Journal of Modern Physics B, 2014
International DOI: 10.1142/S0217979214501227

Effect of Calcium Ion Concentration on Small Molecule Desorption from Alginate Beads
AKIN EVİNGÜR GÜLŞEN, KAYGUSUZ HAKAN, BERKER FATMA BEDİA, PEKCAN MEHMET ÖNDER
Journal of Macromolecular Science, Part B, 2014
International DOI: 10.1080/00222348.2014.895625

Biopolymer-assisted synthesis of yttrium oxide nanoparticles
KAYGUSUZ HAKAN, BİLİR GÖKHAN, TEZCAN TEKELİ FİLİZ, BERKER FATMA BEDİA, ERYÜREK GÖNÜL
Particuology, 2014
International DOI: 10.1016/j.partic.2013.02.006

Cation Effect on Slow Release from Alginate Beads: A Fluorescence Study
KAYGUSUZ HAKAN, BERKER FATMA BEDİA, PEKCAN MEHMET ÖNDER, AKIN EVİNGÜR GÜLŞEN
Journal of Fluorescence, 2014
International DOI: 10.1007/s10895-013-1282-y

Alginate/BSA/montmorillonite composites with enhanced protein entrapment and controlled release efficiency
KAYGUSUZ HAKAN, BERKER FATMA BEDİA
Reactive and Functional Polymers, 2013
International DOI: 10.1016/j.reactfunctpolym.2013.07.014

Türkiye'deki Mühendislik Temel Bilimleri Bölümleri Üzerine Bir İnceleme
Hakan Kaygusuz
SSRN, 2022
International DOI: 10.2139/ssrn.4054876

PROCEEDINGS

Preparation of Copper Crosslinked Alginate Quasi-Cryogel Beads and Investigation of Their Swelling Characteristics
Belhi Ali Taissir, ORHAN BURCU, KAYGUSUZ HAKAN
4th International Conference on Physical Chemistry & Functional Materials, 2021
International

Pandemi Sürecinde Kimya Araştırma Grubu Yönetmek
KAYGUSUZ HAKAN
Yönetim Araştırmaları / Mühendislik Uygulamaları Sempozyumu, 2021
National

Novel Applications of the Biopolymer Based Green Synthesis: Iron(III) Oxide Nanoparticles
KAYGUSUZ HAKAN
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), 2020
International

Analysis of the thermal degradation mechanism of alginate hydrogels
KAYGUSUZ HAKAN
International Marmara Sciences Congress (Imascon 2020 – Autumn), 2020
International

Aljinat-Karboksimetil Selüloz Biyopolimer Kompozitlerinin Fiziksel Özelliklerinin İncelenmesi
ORHAN BURCU, KAYGUSUZ HAKAN, BERKER FATMA BEDİA
9. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, 2020
National

PROCEEDINGS

Avrupa'da Kimya Yayınları ve Atıfları
KAYGUSUZ HAKAN
13. Traditional Mirror Conference, 2019
National

Monte Carlo Capillary Electrophoresis
KAYGUSUZ HAKAN, BERKER FATMA BEDİA, BERKER AHMET NİHAT
12. Traditional Mirror Conference, 2018
National

Effect of temperature on short-length erbium-doped fiber amplifiers
Al-Nuwab Mustafa Afif, KAYGUSUZ HAKAN
22. Sıvı Hal Sempozyumu, 2018
National

Chemistry research output of Turkey in the last decade
KAYGUSUZ HAKAN
22. Sıvı Hal Sempozyumu, 2018
National

Biopolymer-assisted synthesis of cerium oxide nanoparticles
KAYGUSUZ HAKAN, BERKER FATMA BEDİA
3rd International Porous Powder Materials PPM 2017, 2017
International

Removal Of Sodium Dodecyl Benzene Sulfonate (SDBS) From Water By Chitosan Films
KAHYA NİLAY, KAYGUSUZ HAKAN, BERKER FATMA BEDİA
2nd IWA Regional Symposium on Water, Wastewater and Environment (IWA-PPFW 2017), 2017
International

Seryum oksit nanoparçacıklarının yeşil eldesi
KAYGUSUZ HAKAN, BERKER FATMA BEDİA
21. Sıvı Hal Sempozyumu, 2017
National

Bioactive Components, Antioxidant Activities, and Principal Component Analysis of Two Health Benefit Food Groups From Anatolia: Monofloral Honeys And Honey-Bee Pollens
BERKER FATMA BEDİA, KALAYCIOĞLU ZEYNEP, KAYGUSUZ HAKAN, DÖKER SERHAT, TEZCAN TEKELİ FİLİZ, YILDIZ OKTAY, ŞAHİN HÜSEYİN, CAN ZEHRA, KOLAYLI SEVGİ
IMEKOFOODS (TC23) 3rd International Conference, 2017
International

Sensitive micronutrient analysis in spices and monofloral honeys by capillary electrophoresis coupled with LIF detector
Hashemi Parya, Gezek Görkem, KAYGUSUZ HAKAN, TEZCAN TEKELİ FİLİZ, BERKER FATMA BEDİA
ISC 2016 31st International Symposium on Chromatography, 2016
International

Principal Component Analysis of Anatolian Honeys Based on Minerals and Bioactive Components
KAYGUSUZ HAKAN, Tezcan Filiz, BERKER FATMA BEDİA, YILDIZ OKTAY, ŞAHİN HÜSEYİN, CAN ZEHRA, KOLAYLI SEVGİ
3rd International Conference on New Trends in Chemometrics and Applications, 2016
International

Optical Properties and Characterization of Graphene Oxide Chitosan Composites through Tensile Testing TGA FTIR Analysis
KAHYA NİLAY, AKIN EVİNGÜR GÜLŞEN, Bener Semira, KAYGUSUZ HAKAN, BERKER FATMA BEDİA
Trends in Nanotechnology 2016, 2016
International

PROCEEDINGS

Kitosan Filmlerin Boyar Madde Adsorpsiyon Kinetiğine İyonik Çapraz Bağlayıcı Türü ve Seçilen Bir Katkı Maddesinin Etkileri
KAHYA NİLAY, KAYGUSUZ HAKAN, AKIN EVİNGÜR GÜLŞEN, BERKER FATMA BEDİA
23. İstatistiksel Fizik Günleri, 2016
National

Kitosan Filmlere Boyar Madde Adsorpsiyonunun Kinetik Modellemesi
KAHYA NİLAY, KAYGUSUZ HAKAN, AKIN EVİNGÜR GÜLŞEN, BERKER FATMA BEDİA
8. Ulusal Analitik Kimya Kongresi, 2016
National

Kinetic Study of Dye Adsorption on Graphene Oxide Chitosan Composite Films
KAHYA NİLAY, KAYGUSUZ HAKAN, AKIN EVİNGÜR GÜLŞEN, BERKER FATMA BEDİA
28. Ulusal Kimya Kongresi, 2016
National

Adsorptive Removal of Methylene Blue From Aqueous Solutions Using Graphene Oxide Doped Alginate Beads Prepared by a Novel Method
KAHYA NİLAY, KAYGUSUZ HAKAN, BERKER FATMA BEDİA, Balkız Gizem, Pingo Evridiki
1st International Black Sea Congress on Environmental Sciences, 2016
International

Alginate - Chitosan Multilayer Films and Their Properties
KAYGUSUZ HAKAN, BERKER FATMA BEDİA, von Klitzing Regine
79. Jahrestagung der DPG und DPG-Frühjahrstagung, 2015
International

Aljinat Kitosan Çoklu Tabaka Filmleri ve Özellikleri
KAYGUSUZ HAKAN, BERKER FATMA BEDİA, Regine von Klitzing
19. Ulusal Sıvıhal Sempozyumu, 2015
National

Slow release kinetics of alginate beads
KAYGUSUZ HAKAN, BERKER FATMA BEDİA, PEKCAN MEHMET ÖNDER, AKIN EVİNGÜR GÜLŞEN
Frontiers in Polymer Science, 2015
International

Slow Release Kinetics of Alginate Beads
AKIN EVİNGÜR GÜLŞEN, KAYGUSUZ HAKAN, BERKER FATMA BEDİA, PEKCAN MEHMET ÖNDER
22. İstatistiksel Fizik Günleri, 2015
National

Killi Alüminyum Aljinat Kompozit Küreleri ile Sulardan Florür Giderilmesinin Termodinamik Modellenmesi ve Ortak İyon Etkisinin İncelenmesi
KAHYA NİLAY, Çoşkunırmak Meryem Hilal, KAYGUSUZ HAKAN, BERKER FATMA BEDİA
7. Ulusal Analitik Kimya Kongresi, 2014
National

Calcium Ion Effect on Slow Release from Alginate Beads
AKIN EVİNGÜR GÜLŞEN, KAYGUSUZ HAKAN, BERKER FATMA BEDİA, PEKCAN MEHMET ÖNDER
11. Kimyasal Fizik Kongresi, 2014
National

A Fluorescence Study on Slow Release kinetics of Alginate Beads
AKIN EVİNGÜR GÜLŞEN, KAYGUSUZ HAKAN, BERKER FATMA BEDİA, PEKCAN MEHMET ÖNDER
18.Ulusal Sıvıhal Sempozyumu, 2014
National

PROCEEDINGS

Microstructure of SiO2 Glasses Doped With ZnSe Quantum Dots and Nd3 Ions
Elboukhari Thami, KAYGUSUZ HAKAN, ERDEM MURAT, ERYÜREK GÖNÜL
International Porous and Powder Materials Symposium and Exhibition 2013, 2013
International

Effect of Nd3 Ions on the Crystallite Size Distribution of ZnSe Quantum Dots in SiO2 Glasses
Thami Elboukhari, KAYGUSUZ HAKAN, ERDEM MURAT, ERYÜREK GÖNÜL
2013 MRS Fall Meeting & Exhibit, 2013
International

Comparison of Aluminum Alginate and Aluminum Alginate - Montmorillonite Composite Beads on Defluoridation of Water
KAYGUSUZ HAKAN,Çoşkunırmak Meryem Hilal,BERKER FATMA BEDİA
6th Black Sea Basin Conference on Analytical Chemistry, 2013
International

Alginate Montmorillonite Composite Beads for in vitro Release of Riboflavin
KAYGUSUZ HAKAN, Uysal Mutlu, Adımcılar Veselina, BERKER FATMA BEDİA
International Porous and Powder Materials Symposium and Exhibition 2013, 2013
International

Alüminyum aljinat küreleri ile sulu çözeltilerden florür uzaklaştırması
KAYGUSUZ HAKAN, Uzaşçı Sesil, BERKER FATMA BEDİA
6. Ulusal Analitik Kimya Kongresi, 2012
National

Modifiye aljinat jellerinden protein salımı
KAYGUSUZ HAKAN, BERKER FATMA BEDİA
15. Ulusal Sıvıhal Fiziği Sempozyumu, 2011
National

Vanilin ve kafeinin kalsiyum aljinat jellerinden kontrollü salımı
Uyar Güler, KAYGUSUZ HAKAN, BERKER FATMA BEDİA
24. Ulusal Kimya Kongresi, 2010
National

Katkılı aljinat hidrojel kürelerinden kontrollü protein salımı
KAYGUSUZ HAKAN, BERKER FATMA BEDİA
24. Ulusal Kimya Kongresi, 2010
National

Controlled release of proteins from doped alginate hydrogels
KAYGUSUZ HAKAN,BERKER FATMA BEDİA
Particles 2010, 2010
International

Y2O3, Y2O3: Nd3+ ve Y2O3: Tm3+ Nanofosforlarının Yanma ve Termal Bozunma Teknikleriyle Sentezlenmesi ve Karakterizasyonu
BİLİR GÖKHAN, ERDEM MURAT, Serdar Yasemin, ÇELİK BOZDOĞAN AYŞEGÜL, Tatar Demet, KAYGUSUZ HAKAN, TEZCAN TEKELİ FİLİZ, ERYÜREK GÖNÜL, DEMİRBİLEK RIZA, BERKER FATMA BEDİA, ÖVEÇOĞLU MUSTAFA LUTFİ
İTÜ Nano-Bilim ve Nano-Teknoloji Çalıştayı, 2009
National

Biyo-Nano Komposit Malzemeler, Kontrollu İlaç, Protein ve Antioksidan Salımı ve Nano Ölçekli bir Ayırma Yöntemi
BERKER FATMA BEDİA, ERYÜREK GÖNÜL, TEZCAN TEKELİ FİLİZ, KAYGUSUZ HAKAN
İTÜ Nano-Bilim ve Nano-Teknoloji Çalıştayı, 2009
National

PROCEEDINGS

Y2O3 Nanophosphors Synthized by Combustion and Thermal Decomposition Techniques
Tatar Demet, KAYGUSUZ HAKAN, TEZCAN TEKELİ FİLİZ, BERKER FATMA BEDİA, ÖVEÇOĞLU MUSTAFA LUTFİ, ERYÜREK GÖNÜL
Nanotechnology Conference and Trade Show NSTI-Nanotech 2008, 2008
International

Y2O3 Nanophosphors Synthized by Thermal Decomposition Technique
Tezcan Filiz, KAYGUSUZ HAKAN, Tatar Demet, BERKER FATMA BEDİA, ÖVEÇOĞLU MUSTAFA LUTFİ, ERYÜREK GÖNÜL
4. Ulusal Nanobilim ve Nanoteknoloji Konferansı, 2008
National

Y2O3 Nanophosphors Synthesized by Combustion Technique
KAYGUSUZ HAKAN, TEZCAN TEKELİ FİLİZ, Tatar Demet, BERKER FATMA BEDİA, ÖVEÇOĞLU MUSTAFA LUTFİ, ERYÜREK GÖNÜL
4. Ulusal Nanobilim ve Nanoteknoloji Konferansı, 2008
National

Bazı AMX3 A Alkali M Metal H Halojen kristallerinin Bridgeman yöntemi ile büyütülmesi ve karakterizasyonu
ÇELİK BOZDOĞAN AYŞEGÜL,KAYGUSUZ HAKAN,ÇALIŞKAN MURAT,Asan Gökhan,Keleş V,DEMİRBİLEK RIZA
Türk Fizik Derneği 25. Uluslararası Fizik Kongresi, 2008
International

Structural analysis of TeO2 WO3 glasses by Raman spectroscopy
KAYGUSUZ HAKAN, Karaduman Günkut, ERYÜREK GÖNÜL, BERKER FATMA BEDİA, ÖVEÇOĞLU MUSTAFA LUTFİ
TPS 24th International Physics Congress, 2007
International

Bridgman yöntemi ile kristal büyütme ve bu yöntemle büyütülmüş CsCdBr3 kristalinde örgü enerji seviyeleri ve yüksek enerjiye dönüşüm olayları
DEMİRBİLEK RIZA, Johann Heber, Polat Necdet, KAYGUSUZ HAKAN, ERYÜREK GÖNÜL
8. Ulusal Fotonik Çalıştayı, 2006
National

Bridgman yöntemi ile kristal büyütme ve bu yöntemle büyütülebilecek bazı lazer kristalleri
Polat Necdet,KAYGUSUZ HAKAN,DEMİRBİLEK RIZA,BERKER FATMA BEDİA,ERYÜREK GÖNÜL
8. Ulusal Fotonik Çalıştayı, 2006
National

PROJECTS

Biyopolimer küre ve tabakalı filmlerin hazırlanması ve fiziksel özelliklerinin incelenmesi (Researcher)
Scientific research project supported by Higher Education Institutions, 29.03.2016 - 07.12.2017
National Completed

Bağcılar İlçesindeki Öğretmenler İçin Akademisyen - Öğretmen İşbirliği Platformu Kurulması (Executive)
Scientific research project supported by Higher Education Institutions, 21.01.2021 - 17.12.2021
National Completed

Metal Oksit Nanoparçacıklarının Aljinat Yöntemiyle Sentezi ve Karakterizasyonu (Executive)
Scientific research project supported by Higher Education Institutions, 21.01.2021 - 05.10.2022
National Completed

Hidrojel Absorbanların Şişme Özelliklerini Modellemek İçin Yapay Zeka Destekli Yeni Bir Simülasyon Yönteminin Geliştirilmesi (Executive)
Tübitak 1001, 01.11.2025 -
National Continues

PROJECTS

TeknoGenç Bağcılar İSTKA (Project Coordinator)
Ministry of Development, 01.03.2024 - 31.08.2024
National Completed

Polimer Nanokompozitlerin Geri Dönüşümü (Advisor)
TÜBİTAK Project, 19.04.2023 -
National Continues

Mimarlık Yayınlarının İstatistiksel ve Ülkesel Analizi (Advisor)
TÜBİTAK Project, 16.05.2022 - 09.06.2023
National Completed

Biyonanokomposit malzemelerden kontrollü protein salımının incelenmesi (Researcher)
Scientific research project supported by Higher Education Institutions, 14.04.2010 - 14.06.2011
National Completed

Seryum iyonu ve nano seryum oksit içerikli yeni yara kapatıcı çitosan bazlı hidrojel filmlerin hazırlanması: Antibakteriyel ve fiziksel özelliklerinin incelenmesi (Researcher)
Scientific research project supported by Higher Education Institutions, 13.11.2017 - 24.02.2020
National Completed

Altınbaş Üniversitesi Merkezi Araştırma Laboratuvarına Bağlı Hücre Kültürü ve Kromatografi Laboratuvarlarının Kurulumu (Researcher)
Scientific research project supported by Higher Education Institutions, 03.05.2021 - 14.12.2021
National Completed

2214 - B Yurt Dışı Müşterek Doktora Burs Programı (Scholar)
TÜBİTAK Project, 01.06.2014 - 31.05.2015
National Completed

THESIS SUPERVISION

Detection of chemometric markers in liver tissue using infrared spectroscopy
ARWA DAHHAM ABDULHADI QADAWEE
2023 Master's Degree

Fatigue analysis and modeling of a high-pressure cylinder used in water jet cutting machine
MOHAMAD MOURAD
2022 Master's Degree

An analysis of mechanical engineering publications published in Iran (2010-2021)
SAEID SUFY MOGHADDAM KOKANEH
2022 Master's Degree

Synthesis and characterization of copper oxide nanoparticles via biopolymer method
ALAA HASAN NASER AL-MUSAWI
2022 Master's Degree

Preparation of zinc crosslinked alginate and carboxymethyl cellulose wound dressings
ZAHED KOCHAI
2022 Master's Degree

Preparation of cerium cross-linked alginate and carboxymethyl cellulose wound dressings
SEYEDEHGOLNAR ABTAHI
2022 Master's Degree

Biopolymer assisted green synthesis of functional cobalt oxide nanoparticles
TITILAYOMI ROSELINE ADETORO
2022 Master's Degree



THESIS SUPERVISION

Swelling properties of calcium alginate-cerium oxide nanocomposites
WAEL WISAM FALIH AL HAJJAJ
2021 Master's Degree

Aljinat-karboksimetil selüloz kürelerinin hazırlanması ve fiziksel özelliklerin incelenmesi
BURCU ORHAN
2021 Master's Degree

Synthesis and characterization of copper alginate quasi-cryogel beads
ALI TAISSIR BELHI
2021 Master's Degree

Designing new model of flat plate solar water heatingsystems for greenhouses in Erbil, Iraq
DALSHAD MAJEED RASHID RASHID
2021 Master's Degree

Investigation of mechanical properties of unsaturated polyester – glass fiber composites used for boat structure
ANMAR ABDULAZEEZ OWAID
2021 Master's Degree

Annealing effect on green synthesized cerium oxide nanoparticles
FAROUK ABDULHAMID
2021 Master's Degree

Synthesis of iron oxide nanoparticles via biopolymer method
OMAR AMER ABDULKAREEM
2021 Master's Degree

Gain characteristics of short-lengtherbium doped fiber amplifiers atextreme temperatures
MUSTAFA AFIF ABDULAZEEZ AL NUWAB
2020 Master's Degree

A model for the distribution of temperature on the aluminum alloy when using friction welding
SEWARA MOHSIN MAHEALDEEN SHEKHAN
2020 Master's Degree

Simulation of the intercooler and regenerative cycle on the gas turbine performance
ALI MOHAMMED HUSSEIN HUSSEIN
2020 Master's Degree

Effects of sio2 and al2o3 nanoparticles on the filtration, rheological and physicochemical properties of drilling fluid
HAYDER KHUDHAIR ABBAS ABBAS
2020 Master's Degree

COURSES

Course Type	Course Code	Course Name
Bachelor's Degree	CHEM123	GENERAL CHEMISTRY
Master's Degree	BMSE511	BIOPOLYMERS
Master's Degree	BMSE505	INTRODUCTION TO BIOOMEDICAL SCIENCES
Master's Degree	BMSE544	PHYSICAL CHEMISTRY FOR BIOMEDICAL SCIENCES
Bachelor's Degree	CHEM104	FUNDAMENTALS OF ENGINEERING CHEMISTRY
Bachelor's Degree	MMF102	SOCIAL RESPONSIBILITY PROJECT AND CAREER PLANNING

PERSONAL INFORMATION

PERSONAL INFORMATION

CONTACT INFORMATION

Interview Hours: Pazartesi - 13:00 - 14:00

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