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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 -
Assistant Professor	Istanbul University	Basic Sciences Department	2020 - 2022
Affiliated Researcher	Sabancı University	Nanotechnology Research and Application Center	2020 -
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	Altınbas University	2020 - 2023
Head of Department of Basic Sciences	Altınbas 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, İLYAS 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, Sarioğlu 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 Ustaoglu, 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-Karboksümetil 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 çözelti-lerden 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

LUTFI

İTÜ Nano-Bilim ve Nano-Teknoloji Çalıştayı, 2009

National

Biyo-Nano Komposit Malzemeler, Kontrollü 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 Günek, 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

Biyonanokompozit 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 Müsterek 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

WAEEL 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 heating systems 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 OWALD

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-length erbium doped fiber amplifiers at extreme 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 SiO_2 and Al_2O_3 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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