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### Eğitim Bilgileri

Doktora, Karadeniz Teknik Üniversitesi, -, Kimya, Türkiye 1996 - 2000

Yüksek Lisans, Karadeniz Teknik Üniversitesi, -, Kimya, Türkiye 1994 - 1996

Lisans, Karadeniz Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, Türkiye 1989 - 1993

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

Doktora, Bazı Yağ Asitleri ve Ötektik Karışımlarının Enerji Depolayıcı Madde Olarak Kullanılabilirliğinin İncelenmesi, Gaziosman Paşa Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 2000

Yüksek Lisans, Enerji Depolama Sisteminin Performansının Hesaplanması İçin Enerji ve Ekserji Analizi, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/Fizikokimya, 1996

### Araştırma Alanları

Kimya, Fizikokimya, Fonksiyonel Polimerler, Kimyasal Kinetik, Kompozitler, Nanokompozitler, Polimerik Malzemeler, Termodinamik, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, 2015 - Devam Ediyor

Prof. Dr., Gaziosman Paşa Üniversitesi, Fen Edebiyat, Kimya, 2010 - 2015

Doç. Dr., Gaziosman Paşa Üniversitesi, Fen Edebiyat, Kimya, 2004 - 2010

Yrd. Doç. Dr., Gaziosman Paşa Üniversitesi, Fen Edebiyat, Kimya, 2000 - 2004

## AKADEMİK İDARI DENEYİM

Gaziosman Paşa Üniversitesi, 2012 - 2015

Gaziosman Paşa Üniversitesi, Fen Bilimleri Enstitüsü, 2005 - 2010

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Nano-enhanced phase change materials: Fundamentals and applications**  
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- III. **Production and assessment of UV-cured resin coated stearyl alcohol/expanded graphite as novel shape-stable composite phase change material for thermal energy storage**  
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- VIII. **Microencapsulated phase change material/wood fiber-starch composite as novel bio-based energy storage material for buildings**  
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- IX. **Enhancing sustainability with waste hemp-shive and phase change material: Novel gypsum-based composites with advanced thermal energy storage properties**  
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- X. **Development of a novel form-stable phase change material based on alkali activated date seed biochar to harvest solar thermal energy**  
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- XI. **Novel integration of recycled-hemihydrate phosphogypsum and ethyl palmitate in composite phase change material for building thermal regulation**  
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- XII. **A Novel Layered Double Hydroxide and Dodecyl Alcohol Assisted PCM Composite with High Latent**

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- XIV. **Characterisation and energy storage performance of 3D printed-photocurable resin/microencapsulated phase change material composite**  
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- XV. **Effects of graphene doping on shape stabilization, thermal energy storage and thermal conductivity properties of PolyHIPE/PEG composites**  
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- XVI. **Simultaneous removal of polyaromatic hydrocarbons from water using polymer modified carbon**  
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- XVIII. **Influential antimony removal from Aquatic Solution using Graphene Nanoplatelet/ *Staphylococcus aureus* as Novel Composite Adsorbent**  
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- XIX. **The effect of limestone and bottom ash sand with recycled fine aggregate in foam concrete**  
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- XXVI. **Effect of simultaneous & consecutive melting/solidification of phase change material on domestic solar water heating system**  
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- XXVII. **Utilization of waste apricot kernel shell derived-activated carbon as carrier framework for effective shape-stabilization and thermal conductivity enhancement of organic phase change materials used for thermal energy storage**  
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- XXVIII. **Utilization of Chlorella pyrenoidosa for Remediation of Common Effluent Treatment Plant Wastewater in Coupling with Co-relational Study: An Experimental Approach**  
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- XXXI. **Synthesis of carbon modified with polymer of diethylenetriamine and trimesoyl chloride for the dual removal of Hg (II) and methyl mercury ([CH<sub>3</sub>Hg]<sup>+</sup>) from wastewater: Theoretical and experimental analyses**  
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- XXXVII. **Novel approach for harvesting of microalgal biomass using electric geyser waste material deposit as flocculant in coupling with poultry excreta leachate**

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- XLIII. **Thermal management performance and mechanical properties of a novel cementitious composite containing fly ash/lauric acid-myristic acid as form-stable phase change material**  
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- XLIV. **Walnut shell derived bio-carbon/methyl palmitate as novel composite phase change material with enhanced thermal energy storage properties**  
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- XLV. **Silica fume/capric acid-stearic acid PCM included-cementitious composite for thermal controlling of buildings: Thermal energy storage and mechanical properties**  
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- XLVI. **Effects of carbon-based fillers on thermal properties of fatty acids and their eutectics as phase change materials used for thermal energy storage: A Review**  
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- XLVII. **Facile synthesis of zinc oxide nanoparticles loaded activated carbon as an eco-friendly adsorbent for ultra-removal of malachite green from water**  
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- XLVIII. **Phase change material impregnated wood for passive thermal management of timber buildings**  
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### **Storage Properties, Cycling Stability, and Thermal Durability**

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- LII. **Low cost and eco-friendly wood fiber-based composite phase change material: Development, characterization and lab-scale thermoregulation performance for thermal energy storage**  
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- LIII. **Carbon nanotubes grafted with poly(trimesoyl, m-phenylenediamine) for enhanced removal of phenol**  
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- LIV. **Magnetic vermiculite-modified by poly(trimesoyl chloride-melamine) as a sorbent for enhanced removal of bisphenol A**  
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- LVII. **Investigation of thermal properties and enhanced energy storage/release performance of silica fume/myristic acid composite doped with carbon nanotubes**  
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- LIX. **Efficacy of chemical shift MRI for differentiating diffuse red bone marrow reconversion and hematological malignancies**  
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- LXI. **Preparation, characterization, thermal energy storage properties and temperature control performance of form-stabilized sepiolite based composite phase change materials**  
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- LXII. **Poly(styrene-co-maleic anhydride)-graft-fatty acids as novel solid-solid PCMs for thermal energy storage**  
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- LXVI. **Effective uranium biosorption by macrofungus (*Russula sanguinea*) from aqueous solution: equilibrium, thermodynamic and kinetic studies**  
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- LXVII. **Thermodynamics and Kinetics of Biosorption of Vanadium with Macrofungus (*Hypholoma fasciculare*) and Determination by GFAAS**  
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- LXVIII. **Silica fume/capric acid-palmitic acid composite phase change material doped with CNTs for thermal energy storage**  
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Yayın: 156

Atıf (WoS): 6596

Atıf (Scopus): 7174

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## **Akademi Dışı Deneyim**

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