

Prof.Dr. AHMET SARI

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Türkiye 1996 - 2000

Yüksek Lisans, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 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

Mesleki Deneyim

Bölüm Başkanı, Gaziosman Paşa Üniversitesi, 2012 - 2015

Enstitü Müdür Yardımcısı, Gaziosman Paşa Üniversitesi, Fen Bilimleri Enstitüsü, 2005 - 2010

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Phase change material impregnated wood for passive thermal management of timber buildings**
TEMİZ A., HEKİMOĞLU G., KÖSE DEMİREL G., SARI A., Mohamad Amini M. H.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.44, sa.13, ss.10495-10505, 2020 (SCI İndekslerine Giren Dergi)
- II. **Evaluation of pumice for development of low-cost and energy-efficient composite phase change materials and lab-scale thermoregulation performances of its cementitious plasters**
SARI A., HEKİMOĞLU G., Tyagi V., Sharma R.
ENERGY, cilt.207, 2020 (SCI İndekslerine Giren Dergi)
- III. **Form-Stabilized Polyethylene Glycol/Palygorskite Composite Phase Change Material: Thermal Energy Storage Properties, Cycling Stability, and Thermal Durability**
SARI A., Ouikhalfan M., Chehouani H., HEKİMOĞLU G., BİÇER A., Al-Ahmed A., Al-Sulaiman F. A. , Tyagi V. V.
POLYMER ENGINEERING AND SCIENCE, cilt.60, sa.5, ss.909-916, 2020 (SCI İndekslerine Giren Dergi)
- IV. **A cycling study for reliability, chemical stability and thermal durability of polyethylene glycols of molecular weight 2000 and 10000 as organic latent heat thermal energy storage materials**
Ansu A. K. , Sharma R. K. , Tyagi V. V. , SARI A., Ganesan P., Tripathi D.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.44, sa.3, ss.2183-2195, 2020 (SCI İndekslerine Giren Dergi)
- V. **Low cost and eco-friendly wood fiber-based composite phase change material: Development, characterization and lab-scale thermoregulation performance for thermal energy storage**
SARI A., HEKİMOĞLU G., Tyagi V. V.
ENERGY, cilt.195, 2020 (SCI İndekslerine Giren Dergi)
- VI. **Carbon nanotubes grafted with poly(trimesoyl, m-phenylenediamine) for enhanced removal of phenol**
Saleh T. A. , SARI A., TÜZEN M.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, cilt.252, 2019 (SCI İndekslerine Giren Dergi)
- VII. **Magnetic vermiculite-modified by poly(trimesoyl chloride-melamine) as a sorbent for enhanced removal of bisphenol A**
Saleh T. A. , TÜZEN M., SARI A.
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, cilt.7, sa.6, 2019 (SCI İndekslerine Giren Dergi)
- VIII. **Preparation and characterization of nano-enhanced myristic acid using metal oxide nanoparticles for thermal energy storage**
Ouikhalfan M., SARI A., Chehouani H., Benhamou B., Bicer A.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.43, sa.14, ss.8592-8607, 2019 (SCI İndekslerine Giren Dergi)
- IX. **Experimental performance evaluation of a novel designed phase change material integrated manifold heat pipe evacuated tube solar collector system**
Chopra K., Tyagi V. V. , Pathak A. K. , Pandey A. K. , SARI A.
ENERGY CONVERSION AND MANAGEMENT, cilt.198, 2019 (SCI İndekslerine Giren Dergi)
- X. **Effects of carbon nanotubes additive on thermal conductivity and thermal energy storage properties of a novel composite phase change material**
SARI A., BİÇER A., HEKİMOĞLU G.
JOURNAL OF COMPOSITE MATERIALS, cilt.53, sa.21, ss.2967-2980, 2019 (SCI İndekslerine Giren Dergi)
- XI. **Investigation of thermal properties and enhanced energy storage/release performance of silica fume/myristic acid composite doped with carbon nanotubes**
SARI A., Al-Ahmed A., BİÇER A., Al-Sulaiman F. A. , HEKİMOĞLU G.
RENEWABLE ENERGY, cilt.140, ss.779-788, 2019 (SCI İndekslerine Giren Dergi)
- XII. **Thermal energy storage characteristics of myristic acid-palmitic eutectic mixtures encapsulated in PMMA shell**
SARI A., BİÇER A., ALKAN C., Ozcan A. N.
SOLAR ENERGY MATERIALS AND SOLAR CELLS, cilt.193, ss.1-6, 2019 (SCI İndekslerine Giren Dergi)
- XIII. **Preparation, characterization, thermal energy storage properties and temperature control performance of form-stabilized sepiolite based composite phase change materials**

- SARI A., Sharma R. K. , HEKİMOĞLU G., Tyagi V. V.
ENERGY AND BUILDINGS, cilt.188, ss.111-119, 2019 (SCI İndekslerine Giren Dergi)
- XIV. **Poly(styrene-co-maleic anhydride)-graft-fatty acids as novel solid-solid PCMs for thermal energy storage**
SARI A., BİÇER A., ALKAN C.
POLYMER ENGINEERING AND SCIENCE, cilt.59, 2019 (SCI İndekslerine Giren Dergi)
- XV. **Efficacy of chemical shift MRI for differentiating diffuse red bone marrow reconversion and hematological malignancies**
Akman B., Ata Korkmaz H. A. , SARI A.
TURKISH JOURNAL OF MEDICAL SCIENCES, cilt.49, sa.2, ss.644-652, 2019 (SCI İndekslerine Giren Dergi)
- XVI. **Preparation, characterization and evaluation of bio-based magnetic activated carbon for effective adsorption of malachite green from aqueous solution**
ALTINTIĞ E., Onaran M., SARI A., ALTUNDAĞ H., TÜZEN M.
MATERIALS CHEMISTRY AND PHYSICS, cilt.220, ss.313-321, 2018 (SCI İndekslerine Giren Dergi)
- XVII. **Global advancement on experimental and thermal analysis of evacuated tube collector with and without heat pipe systems and possible applications**
Chopra K., Tyagi V. V. , Pandey A. K. , SARI A.
APPLIED ENERGY, cilt.228, ss.351-389, 2018 (SCI İndekslerine Giren Dergi)
- XVIII. **Effects of carbon nanotubes additive on thermal conductivity and thermal energy storage properties of a novel composite phase change material**
SARI A., BİÇER A., HEKİMOĞLU G.
JOURNAL OF COMPOSITE MATERIALS, cilt.0, ss.1-14, 2018 (SCI İndekslerine Giren Dergi)
- XIX. **Effective uranium biosorption by macrofungus (*Russula sanguinea*) from aqueous solution: equilibrium, thermodynamic and kinetic studies**
BAĞDA E., SARI A., TÜZEN M.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, cilt.317, sa.3, ss.1387-1397, 2018 (SCI İndekslerine Giren Dergi)
- XX. **Thermodynamics and Kinetics of Biosorption of Vanadium with Macrofungus (*Hypholoma fasciculare*) and Determination by GFAAS**
BAĞDA E., TÜZEN M., SARI A., Shemsi A. M. , Bukhari A. A.
ATOMIC SPECTROSCOPY, cilt.39, sa.4, ss.170-177, 2018 (SCI İndekslerine Giren Dergi)
- XXI. **Silica fume/capric acid-palmitic acid composite phase change material doped with CNTs for thermal energy storage**
SARI A., BİÇER A., Al-Ahmed A., Al-Sulaiman F. A. , Zahir M. H. , Mohamed S. A.
SOLAR ENERGY MATERIALS AND SOLAR CELLS, cilt.179, ss.353-361, 2018 (SCI İndekslerine Giren Dergi)
- XXII. **Diatomite/CNTs/PEG composite PCMs with shape-stabilized and improved thermal conductivity: Preparation and thermal energy storage properties**
SARI A., BİÇER A., Al-Sulaiman F. A. , KARAİPEKLİ A., Tyagi V. V.
ENERGY AND BUILDINGS, cilt.164, ss.166-175, 2018 (SCI İndekslerine Giren Dergi)
- XXIII. **Polyamide magnetic palygorskite for the simultaneous removal of Hg(II) and methyl mercury; with factorial design analysis**
Saleh T. A. , TÜZEN M., SARI A.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, cilt.211, ss.323-333, 2018 (SCI İndekslerine Giren Dergi)
- XXIV. **Novel approaches and recent developments on potential applications of phase change materials in solar energy**
Pandey A. K. , Hossain M. S. , Tyagi V. V. , Abd Rahim N., Selvaraj J. A. L. , SARI A.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.82, ss.281-323, 2018 (SCI İndekslerine Giren Dergi)
- XXV. **Response surface optimization, kinetic and thermodynamic studies for effective removal of rhodamine B by magnetic AC/CeO₂ nanocomposite**
TÜZEN M., SARI A., Saleh T. A.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, cilt.206, ss.170-177, 2018 (SCI İndekslerine Giren Dergi)

- XXVI. **Microencapsulated n-alkane eutectics in polystyrene for solar thermal applications**
DÖĞÜŞCÜ D. K. , Kizil C., BİÇER A., SARI A., ALKAN C.
SOLAR ENERGY, cilt.160, ss.32-42, 2018 (SCI İndekslerine Giren Dergi)
- XXVII. **Preparation, characterization and thermal regulation performance of cement based-composite phase change material**
SARI A., BİÇER A., KARAIPEKLİ A., Al-Sulaiman F. A.
SOLAR ENERGY MATERIALS AND SOLAR CELLS, cilt.174, ss.523-529, 2018 (SCI İndekslerine Giren Dergi)
- XXVIII. **Preparation, Characterization and Thermal Energy Storage Properties of Micro/Nano Encapsulated Phase Change Material with Acrylic-Based Polymer**
SARI A., ALKAN C., Bilgin C., BİÇER A.
POLYMER SCIENCE SERIES B, cilt.60, sa.1, ss.58-68, 2018 (SCI İndekslerine Giren Dergi)
- XXIX. **Application of chitosan-modified pumice for antimony adsorption from aqueous solution**
SARI A., TÜZEN M., Kocal I.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, cilt.36, sa.6, ss.1587-1596, 2017 (SCI İndekslerine Giren Dergi)
- XXX. **Equilibrium, thermodynamic and kinetic investigations for biosorption of uranium with green algae (*Cladophora hutchinsiae*)**
BAĞDA E., TÜZEN M., SARI A.
JOURNAL OF ENVIRONMENTAL RADIOACTIVITY, cilt.175, ss.7-14, 2017 (SCI İndekslerine Giren Dergi)
- XXXI. **Biosorption of Aluminum From Aqueous Solutions by Using Macrofungus (*Cortinarius armillatus*): Equilibrium, Kinetic, and Thermodynamic Studies and Determination by GFAAS**
Naeemullah N., TÜZEN M., SARI A., MENDİL D.
ATOMIC SPECTROSCOPY, cilt.38, sa.5, ss.149-157, 2017 (SCI İndekslerine Giren Dergi)
- XXXII. **Polystyrene microcapsules with palmitic-capric acid eutectic mixture as building thermal energy storage materials**
DÖĞÜŞCÜ D. K. , Altmtas A., SARI A., ALKAN C.
ENERGY AND BUILDINGS, cilt.150, ss.376-382, 2017 (SCI İndekslerine Giren Dergi)
- XXXIII. **Thermal Energy Storage Properties and Laboratory-Scale Thermoregulation Performance of Bentonite/Paraffin Composite Phase Change Material for Energy-Efficient Buildings**
SARI A.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, cilt.29, sa.6, 2017 (SCI İndekslerine Giren Dergi)
- XXXIV. **Magnetic activated carbon loaded with tungsten oxide nanoparticles for aluminum removal from waters**
Saleh T. A. , TÜZEN M., SARI A.
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, cilt.5, sa.3, ss.2853-2860, 2017 (SCI İndekslerine Giren Dergi)
- XXXV. **Effective removal of methylene blue from aqueous solutions using magnetic loaded activated carbon as novel adsorbent**
ALTINTIĞ E., ALTUNDAĞ H., TÜZEN M., SARI A.
CHEMICAL ENGINEERING RESEARCH & DESIGN, cilt.122, ss.151-163, 2017 (SCI İndekslerine Giren Dergi)
- XXXVI. **Thermal energy storage characteristics of poly(styrene-co-maleic anhydride)-graft-PEG as polymeric solid-solid phase change materials**
SARI A., BİÇER A., ALKAN C.
SOLAR ENERGY MATERIALS AND SOLAR CELLS, cilt.161, ss.219-225, 2017 (SCI İndekslerine Giren Dergi)
- XXXVII. **Thermal characteristics of expanded perlite/paraffin composite phase change material with enhanced thermal conductivity using carbon nanotubes**
KARAIPEKLİ A., BİÇER A., SARI A., Tyagi V. V.
ENERGY CONVERSION AND MANAGEMENT, cilt.134, ss.373-381, 2017 (SCI İndekslerine Giren Dergi)
- XXXVIII. **Optimization of parameters with experimental design for the adsorption of mercury using polyethylenimine modified-activated carbon**
Saleh T. A. , SARI A., TÜZEN M.

- JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, cilt.5, sa.1, ss.1079-1088, 2017 (SCI İndekslerine Giren Dergi)
- XXXIX. **Polyethylenimine modified activated carbon as novel magnetic adsorbent for the removal of uranium from aqueous solution**
Saleh T. A. , Naeemullah N., TÜZEN M., SARI A.
CHEMICAL ENGINEERING RESEARCH & DESIGN, cilt.117, ss.218-227, 2017 (SCI İndekslerine Giren Dergi)
- XL. **Effective adsorption of antimony(III) from aqueous solutions by polyamide-graphene composite as a novel adsorbent**
Saleh T. A. , SARI A., TÜZEN M.
CHEMICAL ENGINEERING JOURNAL, cilt.307, ss.230-238, 2017 (SCI İndekslerine Giren Dergi)
- XLI. **Thermal regulating performance of gypsum/(C18-C24) composite phase change material (CPCM) for building energy storage applications**
KARAIPEKLİ A., SARI A., BİÇER A.
APPLIED THERMAL ENGINEERING, cilt.107, ss.55-62, 2016 (SCI İndekslerine Giren Dergi)
- XLII. **Chitosan-modified vermiculite for As(III) adsorption from aqueous solution: Equilibrium, thermodynamic and kinetic studies**
Saleh T. A. , SARI A., TÜZEN M.
JOURNAL OF MOLECULAR LIQUIDS, cilt.219, ss.937-945, 2016 (SCI İndekslerine Giren Dergi)
- XLIII. **Development and thermal performance of pumice/organic PCM/gypsum composite plasters for thermal energy storage in buildings**
KARAIPEKLİ A., SARI A.
SOLAR ENERGY MATERIALS AND SOLAR CELLS, cilt.149, ss.19-28, 2016 (SCI İndekslerine Giren Dergi)
- XLIV. **Thermal energy storage characteristics of micro-nanoencapsulated heneicosane and octacosane with poly(methylmethacrylate) shell**
SARI A., ALKAN C., BİÇER A.
JOURNAL OF MICROENCAPSULATION, cilt.33, sa.3, ss.221-228, 2016 (SCI İndekslerine Giren Dergi)
- XLV. **Adsorption Characteristics of Mercury(II) Ions from Aqueous Solution onto Chitosan-Coated Diatomite**
Caner N., Sari A., Tuzen M.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, cilt.54, sa.30, ss.7524-7533, 2015 (SCI İndekslerine Giren Dergi)
- XLVI. **Fabrication and thermal characterization of kaolin-based composite phase change materials for latent heat storage in buildings**
Sari A.
ENERGY AND BUILDINGS, cilt.96, ss.193-200, 2015 (SCI İndekslerine Giren Dergi)
- XLVII. **Micro/nano encapsulated n-tetracosane and n-octadecane eutectic mixture with polystyrene shell for low-temperature latent heat thermal energy storage applications**
Sari A., Alkan C., Doguscu D. K. , Kizil C.
SOLAR ENERGY, cilt.115, ss.195-203, 2015 (SCI İndekslerine Giren Dergi)
- XLVIII. **Capric acid and stearic acid mixture impregnated with gypsum wallboard for low-temperature latent heat thermal energy storage**
Sari A., Karaipekli A., KAYGUSUZ K.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.32, sa.2, ss.154-160, 2008 (SCI İndekslerine Giren Dergi)
- XLIX. **Thermal conductivity improvement of stearic acid using expanded graphite and carbon fiber for energy storage applications**
KARAIPEKLI A., Sari A., Kaygusuz K.
RENEWABLE ENERGY, cilt.32, sa.13, ss.2201-2210, 2007 (SCI İndekslerine Giren Dergi)
- L. **The benefits of renewables in Turkey**
Kaygusuz K., Sari A.
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, cilt.1, sa.1, ss.23-35, 2006 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Intracystic papillary carcinoma of the breast in females: two case reports**
CANYILMAZ E., USLU G. H. , AYDIN S., SERDAR L., BAHAT Z., ÖZDEMİR F., SARI A.
Contemporary Oncology / Współczesna Onkologia, ss.1-5, 2014 (Diğer Kurumların Hakemli Dergileri)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Clay/Polymer Composite Phase Change Material for Thermoregulation of Buildings**
SARI A., Biçer A., HEKİMOĞLU G., Ouikhaalfan M.
3rd International Conference on Advanced Engineering Technologies, Bayburt, Türkiye, 19 - 21 Eylül 2019, ss.136-139
- II. **Fly Ash Based-Composite Phase Change Material for Thermal Energy Storage in Buildings**
SARI A., HEKİMOĞLU G.
3rd International Conference on Advanced Engineering Technologies, Bayburt, Türkiye, 19 - 21 Eylül 2019, ss.140-143
- III. **Eutectic Paraffin Mixture/Polymer Composite PCM for Thermal Energy Storage: Synthesis and Characterization**
SARI A.
3rd International Conference on Advanced Engineering Technologies, Bayburt, Türkiye, 19 - 21 Eylül 2019, ss.130-136
- IV. **ATTAPULGITE/FATTY ACID EUTECTIC MIXTURE AS FORMSTABLEBUILDING COMPOSITE FOR THERMAL ENERGY STORAGE**
Sarı A., Biçer A., Hekimoğlu G., Ouikhalfan M.
IV. International Ege Composite Materials Symposium (KOMPEGE2018), İzmir, Türkiye, 6 - 08 Eylül 2018, ss.210-219
- V. **Thermal energy storage characteristics of myristic acid-palmitic eutectic mixtures encapsulated in PMMA shell**
SARI A., Biçer A., Alkan C., Özcan A. N.
14th International Conference on Energy Storage, Adana, Türkiye, 25 - 28 Nisan 2018, ss.648-662
- VI. **Form-Stable Attapulğite/PCM Composite For Thermal Energy Storage in Building Envelopes**
SARI A., HEKİMOĞLU G., Biçer A.
1st International Symposium on Light Alloys and Composite Materials (ISLAC'18), Karabük, Türkiye, 22 - 24 Mart 2018, ss.186-189
- VII. **Segmentation of carotid arteries in CTA using region based active contours and classification**
BOZKURT F., KÖSE C., SARI A.
International Artificial Intelligence and Data Processing Symposium'xx17, 28 - 30 Eylül 2017

Desteklenen Projeler

SARI A., TÜBİTAK Projesi, Isıl Enerji Depolama İçin Kullanılabilecek Faz Değişim Maddelerinin Ve Ötektik Karışımlarının Vinil Polimerler İçersinde Mikro/Nano Boyutlarda Kapsüllenmesi, 2013 - 2015

Davetli Kongre ve Sempozyum Faaliyetleri

Synthesis and characterization of thermal energy storage properties of polystyrene/(nonadecane-octacosane) micro-nano capsules. 1stInternational Turkic World Conference on Chemical Sciences and Technologies, Katılımcı, Sarajevo, Bosna-Hersek, 2015

Thermal energy storage properties of poly(methyl methacrylate)/stearic acid micro/nano capsules. 1stInternational Turkic World Conference on Chemical Sciences and Technologies, Sarajevo, Bosnia and Herzegovina, Katılımcı, Sarajevo, Bosna-Hersek, 2015

Latent heat storage characteristics of micro/nano encapsulated eutectic mixture using polystyrene shell. Fourth International Symposium Frontiers in Polymer Science In association with the journal polymer, Katılımcı, Trento, İtalya, 2015

Thermal energy storage properties of micro-nanoencapsulated polystyrene/n-octadecane. Fourth International Symposium Frontiers in Polymer Science In association with the journal polymer, Katılımcı, Trento, İtalya, 2015

Micro/nano encapsulated capric-myristic acid eutectic mixture in PMMA shell. Fourth International Symposium Frontiers in Polymer Science In association with the journal polymer, Katılımcı, Trento, İtalya, 2015

Atıflar

Toplam Atıf Sayısı (WOS):2410

h-indeksi (WOS):25

Ödüller

SARI A., TEMEL BİLİMLER ALANINDA BİLİM TEŞVİK ÖDÜLÜ, TÜBİTAK, Temmuz 2011