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Education Information

Doctorate, Karadeniz Technical University, -, Kimya, Turkey 1996 - 2000

Postgraduate, Karadeniz Technical University, -, Kimya, Turkey 1994 - 1996

Undergraduate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Kimya, Turkey 1989 - 1993

Foreign Languages

English, B2 Upper Intermediate

Dissertations

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

Postgraduate, Enerji Depolama Sisteminin Performansının Hesaplanması İçin Enerji ve Ekserji Analizi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya/Fizikokimya, 1996

Research Areas

Chemistry, Physical Chemistry, Functional Polymers, Chemical Kinetics, Composites, nanocomposites, Polymeric Materials, Thermodynamics, Natural Sciences

Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, 2015 - Continues

Professor, Gaziosman Paşa Üniversitesi, Fen Edebiyat, Kimya, 2010 - 2015

Associate Professor, Gaziosman Paşa Üniversitesi, Fen Edebiyat, Kimya, 2004 - 2010

Assistant Professor, Gaziosman Paşa Üniversitesi, Fen Edebiyat, Kimya, 2000 - 2004

Academic and Administrative Experience

Gaziosman Paşa Üniversitesi, 2012 - 2015

Gaziosman Paşa Üniversitesi, Fen Bilimleri Enstitüsü, 2005 - 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Wood flour/-poly(methyl methacrylate)/capric acid polymer composites as form-stable phase change materials for thermal energy management**
Can A., Gencil O., SARI A., HEKİMOĞLU G.
Polymer, vol.318, 2025 (SCI-Expanded)
- II. **A comprehensive review on advanced trends in treatment technologies for removal of Bisphenol A from aquatic media**
Waleed S., Haroon M., Ullah N., Tuzen M., Rind I. K., SARI A.
Environmental Monitoring and Assessment, vol.197, no.1, 2025 (SCI-Expanded)
- III. **Phase change material incorporated paper pulp sludge/gypsum composite reinforced by slag and fly ash for energy efficient buildings: Solar thermal regulation, embody energy, sustainability index and cost analysis**
Kucukdogan N., Sutcu M., Ozturk S., Yaprak H., Memis S., Gencil O., Ustaoglu A., SARI A., HEKİMOĞLU G., Erdogmus E.
Energy and Buildings, vol.325, 2024 (SCI-Expanded)
- IV. **Hazelnut shell-based activated carbon/carbon nanotubes/palmityl alcohol as new form-stable phase change material with enhanced energy storage capacity and thermal conductivity**
Gu X., Huseien G. F., KAR T., SARI A., Karaahmet Z., Gencil O., HEKİMOĞLU G., ÇAKIR E.
Journal of Energy Storage, vol.103, 2024 (SCI-Expanded)
- V. **Sustainable polyurethane biocomposite foams by improved microstructure, acoustic characteristics, thermoregulation performance and reduced CO2 emission through phase change material integration**
Gencil O., Aydoğmuş E., GÜLER O., Ustaoglu A., SARI A., HEKİMOĞLU G., Bozkurt A., Ozbakkaloglu T.
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- VI. **Properties of foam concrete containing phase change material impregnated pumice**
Kam E., Yaraş A., Ustaoglu A., HEKİMOĞLU G., SARI A., Erdoğmuş E., Gencil O.
Construction and Building Materials, vol.446, 2024 (SCI-Expanded)
- VII. **Adsorption of bromophenol blue from aquatic media using polymer-modified silica fume: Factorial design optimization, kinetic evaluation and adsorption mechanism**
Khan Rind I., SARI A., Tuzen M., Saleh T. A.
Inorganic Chemistry Communications, vol.168, 2024 (SCI-Expanded)
- VIII. **Energy- efficient cementitious mortar containing clay based shape-stable phase change material: Development, characterization and temperature controlling performance**
Bayram M., Gencil O., SARI A., Ahmed A., Zami M. S., Erdogmus E., HEKİMOĞLU G., Ustaoglu A., Ozbakkaloglu T.
Construction and Building Materials, vol.442, 2024 (SCI-Expanded)
- IX. **Advancing thermal control in buildings with innovative cementitious mortar and recycled expanded glass/n-octadecane phase change material composites**
Yaraş A., Bayram M., Ustaoglu A., Erdoğmuş E., HEKİMOĞLU G., SARI A., Gencil O., Tyagi V., Ozbakkaloglu T.
Renewable and Sustainable Energy Reviews, vol.202, 2024 (SCI-Expanded)
- X. **Nano-enhanced phase change materials: Fundamentals and applications**
Said Z., Pandey A., Tiwari A. K., Kalidasan B., Jamil F., Thakur A. K., Tyagi V., SARI A., Ali H. M.
Progress in Energy and Combustion Science, vol.104, 2024 (SCI-Expanded)
- XI. **Evaluation of carbonized cotton stalk for development of novel form stable composite phase change materials for solar thermal energy storage**
Gowthami D., Sharma R., Ansu A., SARI A., Tyagi V., Rathore P.
Process Safety and Environmental Protection, vol.188, pp.1037-1048, 2024 (SCI-Expanded)
- XII. **Production and assessment of UV-cured resin coated stearyl alcohol/expanded graphite as novel**

shape-stable composite phase change material for thermal energy storage

Güler O., Er Y., Hekimoğlu G., Ustaoglu A., Sarı A., Subaşı S., Maraşlı M., Gencil O.

Applied Thermal Engineering, vol.247, 2024 (SCI-Expanded)

- XIII. **Physico-mechanical properties and thermal monitoring performance of thermal enhanced cement slurry-coated LWAs containing microencapsulated phase change material**
Emiroğlu M., ÖZGÜLER A. T., NAS M., Subasi S., SARI A., HEKİMOĞLU G., Ustaoglu A., Gencil O.
Materials Today Sustainability, vol.26, 2024 (SCI-Expanded)
- XIV. **A novel cement mortar comprising natural zeolite/dodecyl alcohol shape stable composite phase change material for energy effective buildings**
SARI A., NAS M., YEŞİLATA B., Ustaoglu A., Erdoğmuş E., Torlaklı H., HEKİMOĞLU G., Gencil O.
Journal of Energy Storage, vol.87, 2024 (SCI-Expanded)
- XV. **Innovative cementitious mortar incorporated with sepiolite based shape-stable phase change material for thermal controlling of buildings**
TOPÇU İ. B., Bayram M., Ustaoglu A., HEKİMOĞLU G., Erdoğmuş E., SARI A., Gencil O., Ozbakkaloglu T.
Construction and Building Materials, vol.426, 2024 (SCI-Expanded)
- XVI. **Magnetic nanoparticles loaded hydrochar for effective Cr(VI) removal from water: Batch and column studies**
Rind I. K., Memon N., SARI A., Khuhawar M. Y., Tuzen M., Naveed ul Hasan S., Memon A. A., Soomro W. A., Zaman Brohi R. O., Saleh T. A.
Materials Chemistry and Physics, vol.318, 2024 (SCI-Expanded)
- XVII. **Microencapsulated phase change material/wood fiber-starch composite as novel bio-based energy storage material for buildings**
Öztürk G., Temiz A., Hekimoğlu G., Aslan M., Köse Demirel G., Erdeyer Ö. N., Sarı A., Gencil O., Subaşı S.
Journal of Energy Storage, vol.84, 2024 (SCI-Expanded)
- XVIII. **Enhancing sustainability with waste hemp-shive and phase change material: Novel gypsum-based composites with advanced thermal energy storage properties**
Gencil O., GÜLER O., Ustaoglu A., Erdoğmuş E., SARI A., HEKİMOĞLU G., BOZTOPRAK Y., Subaşı S.
Journal of Cleaner Production, vol.451, 2024 (SCI-Expanded)
- XIX. **Development of a novel form-stable phase change material based on alkali activated date seed biochar to harvest solar thermal energy**
Gowthami D., Sharma R., Tyagi V., Rathore P. K. S., SARI A.
Journal of Energy Storage, vol.83, 2024 (SCI-Expanded)
- XX. **Novel integration of recycled-hemihydrate phosphogypsum and ethyl palmitate in composite phase change material for building thermal regulation**
Kocyigit Ş., GÜLER O., HEKİMOĞLU G., Ustaoglu A., Erdoğmuş E., SARI A., Gencil O., Ozbakkaloglu T.
Journal of Cleaner Production, vol.445, 2024 (SCI-Expanded)
- XXI. **A Novel Layered Double Hydroxide and Dodecyl Alcohol Assisted PCM Composite with High Latent Heat Storage Capacity and Thermal Conductivity**
Al-Ahmed A., SARI A., Khan F., Al-Rasheidi M., HEKİMOĞLU G., Afzaal M., Alsulami A. A., Dafalla H., Salhi B., Alsulaiman A. F.
JOURNAL OF THERMAL SCIENCE, vol.33, no.2, pp.537-547, 2024 (SCI-Expanded)
- XXII. **Influential adsorption of Congo red using vermiculite/graphene/polyacrylamide composite**
Rind I. K., SARI A., Tuzen M., Saleh T. A.
Materials Chemistry and Physics, vol.314, 2024 (SCI-Expanded)
- XXIII. **Characterisation and energy storage performance of 3D printed-photocurable resin/microencapsulated phase change material composite**
Er Y., GÜLER O., Ustaoglu A., HEKİMOĞLU G., SARI A., Subaşı S., Gencil O., Maraşlı M.
Thermal Science and Engineering Progress, vol.48, 2024 (SCI-Expanded)
- XXIV. **Effects of graphene doping on shape stabilization, thermal energy storage and thermal conductivity properties of PolyHIPE/PEG composites**
Kahraman Döğüşcü D., SARI A., HEKİMOĞLU G.

- Journal of Energy Storage, vol.76, 2024 (SCI-Expanded)
- XXV. **Simultaneous removal of polyaromatic hydrocarbons from water using polymer modified carbon**
Saleh T. A., SARI A., Tuzen M.
Biomass Conversion and Biorefinery, vol.14, no.1, pp.567-576, 2024 (SCI-Expanded)
- XXVI. **Thermal energy storage performance evaluation of bio-based phase change material/apricot kernel shell derived activated carbon in lightweight mortar**
Hekimoğlu G., Sarı A., Gencil O., Önal Y., Ustaoglu A., Erdogmus E., Harja M., Tyagi V.
JOURNAL OF ENERGY STORAGE, vol.73, 2023 (SCI-Expanded)
- XXVII. **Thermophysical properties and solar thermal energy storage performance of phase change composites manufactured by vat photopolymerization 3D printing technique**
Er Y., Güler O., Hekimoğlu G., Nodehi M., Ustaoglu A., Sarı A., Gencil O., Ozbakkaloglu T.
JOURNAL OF ENERGY STORAGE, vol.73, 2023 (SCI-Expanded)
- XXVIII. **Fuel, cost, energy efficiency and CO₂ emission performance of PCM integrated wood fiber composite phase change material at different climates**
Frahhat N. B., Ustaoglu A., Gencil O., SARI A., HEKİMOĞLU G., Yaras A., Del Coz Díaz J. J.
SCIENTIFIC REPORTS, vol.13, no.1, 2023 (SCI-Expanded)
- XXIX. **Developing Wallpaper/Dodecyl alcohol composite phase change materials as new kind of wall covering elements for building interior thermoregulation**
Gencil O., Ustaoglu A., Sarı A., Hekimoğlu G., Sutcu M., Tozluoglu A., Tutus A., Cicekler M., Veer Tyagi V.
Thermal Science and Engineering Progress, vol.46, 2023 (SCI-Expanded)
- XXX. **Synthesis of graphene/silica composites and its removal efficiency of methylene blue dye from water**
Khan Rind I., SARI A., Tuzen M., Lanjwani M. F., Saleh T. A.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.158, 2023 (SCI-Expanded)
- XXXI. **Bacteria immobilized onto carbon nanofiber as a composite for effective removal of arsenic from wastewater**
Khan Rind I., SARI A., Tuzen M., Farooque Lanjwani M., Karaman I., Saleh T. A.
Materials Science and Engineering: B, vol.297, 2023 (SCI-Expanded)
- XXXII. **Shape stabilized microcrystalline cellulose/methyl stearate/graphene nanoplatelet composite with enriched thermal conductivity and thermal energy storage/release performance**
HEKİMOĞLU G., Çakır E., SARI A., Gencil O., Tyagi V., Sharma R.
CELLULOSE, vol.30, no.16, pp.10199-10214, 2023 (SCI-Expanded)
- XXXIII. **Effect of molding pressure and firing temperature on the properties of ceramics from natural zeolite**
Erdogmus E., Sutcu M., Hossain S., Bayram M., SARI A., Gencil O., Ozbakkaloglu T.
Construction and Building Materials, vol.402, 2023 (SCI-Expanded)
- XXXIV. **The use of computerized tomography (CT) and image processing for evaluation of the properties of foam concrete produced with different content of foaming agent and aggregate**
Gencil O., Nodehi M., Bozkurt A., SARI A., Ozbakkaloglu T.
Construction and Building Materials, vol.399, 2023 (SCI-Expanded)
- XXXV. **Thermal performance analysis of novel foam concrete composites with PCM for energy storage and environmental benefits in buildings**
Erdogmus E., Yaras A., Ustaoglu A., HEKİMOĞLU G., SARI A., Gencil O.
ENERGY AND BUILDINGS, vol.296, 2023 (SCI-Expanded)
- XXXVI. **Synthesis of bentonite/SiO₂/magnetite nanostructure as an efficient adsorbent for Bisphenol A removal from waters**
Rind I. K., SARI A., Tuzen M., Lanjwani M. F., Saleh T. A.
INDUSTRIAL CROPS AND PRODUCTS, vol.201, 2023 (SCI-Expanded)
- XXXVII. **Expanded glass sphere/lauryl alcohol composite in gypsum: Physico-mechanical properties, energy storage performance and environmental impact assessment**
Ustaoglu A., Yaras A., HEKİMOĞLU G., Erdogmus E., SARI A., Gencil O.
SOLAR ENERGY, vol.262, 2023 (SCI-Expanded)

- XXXVIII. **Activated carbon/expanded graphite hybrid structure for development of nonadecane based composite PCM with excellent shape stability, enhanced thermal conductivity and heat charging-discharging performance**
HEKİMOĞLU G., SARI A., Gencil O., Tyagi V., Sharma R.
THERMAL SCIENCE AND ENGINEERING PROGRESS, vol.44, 2023 (SCI-Expanded)
- XXXIX. **Microencapsulated phase change material incorporated light transmitting gypsum composite for thermal energy saving in buildings**
Gencil O., Bayram M., Subaşı S., HEKİMOĞLU G., SARI A., Ustaoglu A., Marasli M., Ozbakkaloglu T.
JOURNAL OF ENERGY STORAGE, vol.67, 2023 (SCI-Expanded)
- XL. **Solar heat pipe ETC integrated with solar still system for water treatment and hot water production: novel hybrid experimental approach**
Pathak A. K., Chopra K., Tyagi V., Anand S., Kothari R., SARI A., Pandey A.
Journal of Thermal Analysis and Calorimetry, vol.148, no.17, pp.8969-8989, 2023 (SCI-Expanded)
- XLI. **Thermal performance and design analysis of U-tube based vacuum tube solar collectors with and without phase change material for constant hot water generation**
Pathak S. K., Tyagi V., Chopra K., SARI A.
JOURNAL OF ENERGY STORAGE, vol.66, 2023 (SCI-Expanded)
- XLII. **Thermal energy saving and physico-mechanical properties of foam concrete incorporating form-stabilized basalt powder/capric acid based composite phase change material**
Kocyigit F., Bayram M., HEKİMOĞLU G., Cay V. V., Gencil O., Ustaoglu A., SARI A., Erdogmus E., Ozbakkaloglu T.
JOURNAL OF CLEANER PRODUCTION, vol.414, 2023 (SCI-Expanded)
- XLIII. **Expanded waste glass/methyl palmitate/carbon nanofibers as effective shape stabilized and thermal enhanced composite phase change material for thermal energy storage**
Singh P., Sharma R., HEKİMOĞLU G., SARI A., Gencil O., Tyagi V.
JOURNAL OF ENERGY STORAGE, vol.64, 2023 (SCI-Expanded)
- XLIV. **Investigation on Thermal Energy Storage Properties of Polyethylene Glycol with Hybrid Nanoparticles of Al₂O₃ and CuO for Solar Thermal Energy Storage**
Pandya M., Ansu A., Sharma R., Tripathi D., Tyagi V., SARI A.
ECS Journal of Solid State Science and Technology, vol.12, no.7, 2023 (SCI-Expanded)
- XLV. **Physical-Mechanical and Electrical Resistivity Properties of Cementitious Mortars Containing Fe₃O₄-MWCNTs Nanocomposite**
Selen V., Guler O., Nodehi M., SARI A., Yaras A., Gencil O., Gholampour A., Ozbakkaloglu T.
Sustainability (Switzerland), vol.15, no.14, 2023 (SCI-Expanded)
- XLVI. **5E analysis of a novel designed hot water storage header integrated vacuum tube solar water heater**
Chopra K., Tyagi V., Pathak S. K., Sharma R. K., Mansor M., Goel V., SARI A.
Thermal Science and Engineering Progress, vol.42, 2023 (SCI-Expanded)
- XLVII. **Impact of Stearic Acid as Heat Storage Material on Energy Efficiency and Economic Feasibility of a Vacuum Tube Solar Water Heater**
Chopra K., Tyagi V., Pathak S. K., Khajuria A., Pandey A., Rahman N. A., Mansor M., SARI A.
Energies, vol.16, no.11, 2023 (SCI-Expanded)
- XLVIII. **Energetic, Exergetic, and Heat Transfer Assessment of PCM-Integrated Heat-Pipe-Based ETSC for Clear and Cloudy Weather Conditions**
Pathak S. K., Tyagi V., Chopra K., Pandey A., SARI A., Abdulateef A. M.
Sustainability (Switzerland), vol.15, no.12, 2023 (SCI-Expanded)
- XLIX. **Influential antimony removal from Aquatic Solution using Graphene Nanoplatelet/*Staphylococcus aureus* as Novel Composite Adsorbent**
Rind I. K., SARI A., Tuzen M., Lanjwani M. F., Karaman I., Saleh T. A.
SURFACES AND INTERFACES, vol.38, 2023 (SCI-Expanded)
- L. **Response surface methodology-based extraction optimization with application of ZrCl₄ as novel quenching agent for enhancement of bio-oil yield from *Jatropha curcas* and *Chlorella pyrenoidosa***
Ahmad S., Kothari R., Pathak V. V., Tyagi V. V., Pandey A. K., SARI A.

BIOMASS CONVERSION AND BIOREFINERY, vol.13, no.9, pp.7585-7599, 2023 (SCI-Expanded)

- LI. **Hot Water Generation for Domestic Use in Residential Buildings via PCM Integrated U-Tube Based Solar Thermal Collector: A 4-E Analysis**
Pathak S. K., Tyagi V., Chopra K., Pandey A., SARI A.
Buildings, vol.13, no.5, 2023 (SCI-Expanded)
- LII. **Effect of carbon nanotube and microencapsulated phase change material utilization on the thermal energy storage performance in UV cured (photoinitiated) unsaturated polyester composites**
Subasi A., Subasi S., Bayram M., SARI A., HEKİMOĞLU G., Ustaoglu A., Gencel O., Ozbakkaloglu T.
JOURNAL OF ENERGY STORAGE, vol.61, 2023 (SCI-Expanded)
- LIII. **Influence of Different Angles in the Photobioreactor on Algal Biomass Growth with Optimized Poultry Excreta Leachate: A Batch-Scale Study**
Singh H. M., Tyagi V., Kothari R., SARI A.
Fermentation, vol.9, no.3, 2023 (SCI-Expanded)
- LIV. **Synthesis of TiO₂ nanoparticles loaded on magnetite nanoparticles modified kaolinite clay (KC) and their efficiency for As(III) adsorption**
Rind I. K., Tuzen M., SARI A., Lanjwani M. F., Memon N., Saleh T. A.
Chemical Engineering Research and Design, vol.191, pp.523-536, 2023 (SCI-Expanded)
- LV. **Experimental Analysis of Melting Behavior of Capric Acid (CA)–Stearic Acid (SA) Eutectic Mixture and its 3D Numerical Solution of Natural Convection in a Cup**
Coşanay H., Selimefendigil F., Öztop H. F., SARI A.
Arabian Journal for Science and Engineering, vol.47, no.12, pp.15575-15589, 2022 (SCI-Expanded)
- LVI. **Development, characterization, and performance analysis of shape-stabilized phase change material included-geopolymer for passive thermal management of buildings**
Gencel O., Harja M., SARI A., HEKİMOĞLU G., Ustaoglu A., Sutcu M., Erdogmus E., KAPLAN G., Bayraktar O. Y.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.15, pp.21841-21855, 2022 (SCI-Expanded)
- LVII. **Cleaner production of polyurethane (PU) foams through use of hydrodesulfurization (HDS) spent catalyst**
Yaras A., Nodehi M., Ustaoglu A., ARSLANOĞLU H., SARI A., Gencel O., Ozbakkaloglu T.
Environmental Science and Pollution Research, vol.29, no.59, pp.88710-88724, 2022 (SCI-Expanded)
- LVIII. **Light transmitting glass fiber reinforced cementitious composite containing microencapsulated phase change material for thermal energy saving**
Gencel O., SARI A., Subasi S., Bayram M., Danish A., Marasli M., HEKİMOĞLU G., Ustaoglu A., Ozbakkaloglu T.
CONSTRUCTION AND BUILDING MATERIALS, vol.359, 2022 (SCI-Expanded)
- LIX. **Development and characterization a novel leakage-proof form stable composite of graphitic carbon nitride and fatty alcohol for thermal energy storage**
Singh P., Sharma R. K., Goyal R., HEKİMOĞLU G., SARI A., Rathore P. K. S., Tyagi V. V.
JOURNAL OF ENERGY STORAGE, vol.55, 2022 (SCI-Expanded)
- LX. **Thermal energy storage characteristics of polyacrylic acid/dodecanol/carbon nanofiber composites as thermal conductive shape-stabilized composite phase change materials**
HEKİMOĞLU G., SARI A., Gencel O., Tyagi V. V.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.14, pp.20873-20885, 2022 (SCI-Expanded)
- LXI. **Characteristics, energy saving and carbon emission reduction potential of gypsum wallboard containing phase change material**
Yaras A., Ustaoglu A., Gencel O., SARI A., Hekimoglu G., Sutcu M., Erdogmus E., KAPLAN G., Bayraktar O. Y.
JOURNAL OF ENERGY STORAGE, vol.55, 2022 (SCI-Expanded)
- LXII. **Estimation of thermodynamic and enviroeconomic characteristics of khoa (milk food) production unit**
Singh G., Chopra K., Tyagi V., Pandey A., Sharma R., SARI A.
Environment, Development and Sustainability, vol.24, no.11, pp.12542-12581, 2022 (SCI-Expanded)
- LXIII. **Evaluation of carbon based-supporting materials for developing form-stable organic phase change materials for thermal energy storage: A review**

- Singh P., Sharma R., Khalid M., Goyal R., SARI A., Tyagi V.
Solar Energy Materials and Solar Cells, vol.246, 2022 (SCI-Expanded)
- LXIV. **Development, characterization and thermo-regulative performance of microencapsulated phase change material included-glass fiber reinforced foam concrete as novel thermal energy effective-building material**
Gencil O., Subasi S., Ustaoglu A., SARI A., Marasli M., HEKİMOĞLU G., Kam E.
ENERGY, vol.257, 2022 (SCI-Expanded)
- LXV. **The effect of limestone and bottom ash sand with recycled fine aggregate in foam concrete**
Gencil O., Balci B., Bayraktar O. Y., Nodehi M., SARI A., KAPLAN G., Hekimog G., Gholampour A., Benli A., Ozbakkaloglu T.
JOURNAL OF BUILDING ENGINEERING, vol.54, 2022 (SCI-Expanded)
- LXVI. **Comparative exergoeconomic analysis of single, two and three stage spray drying systems**
Singh G., Tyagi V., Pandey A., Goel V., SARI A.
Journal of Thermal Analysis and Calorimetry, vol.147, no.16, pp.8947-8968, 2022 (SCI-Expanded)
- LXVII. **Effective antimony removal from wastewaters using polymer modified sepiolite: Isotherm kinetic and thermodynamic analysis**
Saleh T. A., Tuzen M., SARI A.
Chemical Engineering Research and Design, vol.184, pp.215-223, 2022 (SCI-Expanded)
- LXVIII. **Factorial design, physical studies and rapid arsenic adsorption using newly prepared polymer modified perlite adsorbent**
Saleh T. A., Tuzen M., SARI A., ALTUNAY N.
Chemical Engineering Research and Design, vol.183, pp.181-191, 2022 (SCI-Expanded)
- LXIX. **Activated carbon nanotube/polyacrylic acid/stearyl alcohol nanocomposites as thermal energy storage effective shape-stabilized phase change materials**
Goksu H., Aydinli E., HEKİMOĞLU G., SARI A., Gencil O., Subasi S., Tozluoglu A.
SURFACES AND INTERFACES, vol.31, 2022 (SCI-Expanded)
- LXX. **Glass fiber reinforced gypsum composites with microencapsulated PCM as novel building thermal energy storage material**
Gencil O., HEKİMOĞLU G., SARI A., Ustaoglu A., Subasi S., Marasli M., Erdogmus E., Memon S. A.
CONSTRUCTION AND BUILDING MATERIALS, vol.340, 2022 (SCI-Expanded)
- LXXI. **A critical overview of upstream cultivation and downstream processing of algae-based biofuels: Opportunity, technological barriers and future perspective**
Ahmad S., Iqbal K., Kothari R., Singh H. M., SARI A., Tyagi V.
Journal of Biotechnology, vol.351, pp.74-98, 2022 (SCI-Expanded)
- LXXII. **Investigation of physico-mechanical, thermal properties and solar thermoregulation performance of shape-stable attapulgite based composite phase change material in foam concrete**
Gencil O., Ustaoglu A., Benli A., HEKİMOĞLU G., SARI A., Erdogmus E., Sutcu M., KAPLAN G., Bayraktar O. Y.
SOLAR ENERGY, vol.236, pp.51-62, 2022 (SCI-Expanded)
- LXXIII. **Effect of simultaneous & consecutive melting/solidification of phase change material on domestic solar water heating system**
Chopra K., Tyagi V., Pandey A., Popli S., Singh G., Sharma R., SARI A.
Renewable Energy, vol.188, pp.329-348, 2022 (SCI-Expanded)
- LXXIV. **Bio-Based Phase Change Materials for Wooden Building Applications**
Palanti S., Temiz A., Köse Demirel G., Hekimoğlu G., Sarı A., Jebrane M., Schnabel T., Terziev N.
FORESTS, vol.13, no.4, pp.1-8, 2022 (SCI-Expanded)
- LXXV. **Utilization of Chlorella pyrenoidosa for Remediation of Common Effluent Treatment Plant Wastewater in Coupling with Co-relational Study: An Experimental Approach**
Kothari R., Pandey A., Ahmad S., Singh H. M., Pathak V. V., Tyagi V. V., Kumar K., SARI A.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.108, no.3, pp.507-517, 2022 (SCI-Expanded)
- LXXVI. **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

HEKİMOĞLU G., SARI A., ÖNAL Y., Gencil O., Tyagi V., Aslan E.
POWDER TECHNOLOGY, vol.401, 2022 (SCI-Expanded)

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Metrics

Publication: 164

Citation (WoS): 7303

Citation (Scopus): 7983

H-Index (WoS): 43

H-Index (Scopus): 44

Congress and Symposium Activities

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

Awards

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

Non Academic Experience

Gaziosmanpaşa Üniversitesi