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### Education Information

Doctorate, Istanbul Technical University, Maden Fakültesi, Jeokimya Ve Termodinamik, Turkey Continues

Istanbul Technical University, Kimya Fakültesi, Kimya Mühendisliği, Turkey Continues

### Advising Theses

PİŞKİN S., FARKLI SİLİKA KAYNAKLARINDAN SBA-15 ÜRETİMİ, KARAKTERİZASYONU VE UYGULAMA ALANININ İNCELENMESİ, Doctorate, M.Sarı(Student), 2016

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Potential low-cost carbon-based adsorbent from gold mine tailings for anionic dye removal**  
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WATER SCIENCE AND TECHNOLOGY, vol.83, no.6, pp.1300-1314, 2021 (SCI-Expanded)
- II. **Applied ultrasound assisted research on synthesis and in-situ hydrolysis of ammonia borane for hydrogen energy**  
Filiz B., Figen A., Piskin S.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, no.20, pp.10003-10013, 2019 (SCI-Expanded)
- III. **Synthesis and characterization of a ROMP-based polycationic antimicrobial hydrogel**  
PALANTOKEN A., Yilmaz M., Unubol N. A., Yenigul E., Piskin S., EREN T.  
EUROPEAN POLYMER JOURNAL, vol.112, pp.365-375, 2019 (SCI-Expanded)
- IV. **A Novel Synthesis Method of Zeolite X From Coal Fly Ash: Alkaline Fusion Followed by Ultrasonic-Assisted Synthesis Method**  
Ozdemir O. D., PİŞKİN S.  
WASTE AND BIOMASS VALORIZATION, vol.10, no.1, pp.143-154, 2019 (SCI-Expanded)
- V. **The remarkable role of metal promoters on the catalytic activity of Co-Cu based nanoparticles for boosting hydrogen evolution: Ammonia borane hydrolysis**  
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- VI. **Cobalt-Boron Loaded Thermal Activated Turkish Sepiolite Composites (Co-B@tSe) as a Catalyst for Hydrogen Delivery**  
Meşe E., Kantürk Figen A., Coşkuner Filiz B., Pişkin S.  
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- VII. **REUSE OF MAGNESIUM WASTES IN HYDROTHERMAL SYNTHESIS OF A MAGNESIUM BORATE MINERAL: ADMONTITE**  
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- VIII. **Cobalt-boron loaded thermal activated Turkish sepiolite composites (Co-B@tSe) as a catalyst for hydrogen delivery**  
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- IX. **Dual Combining Transition Metal Hybrid Nanoparticles for Ammonia Borane Hydrolytic Dehydrogenation**  
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- X. **Colemanite: A fire retardant candidate for wood plastic composites**  
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- XV. **Open sun drying of green bean: influence of pretreatments on drying kinetics, colour and rehydration capacity**  
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- XIX. **Dual antimicrobial effects induced by hydrogel incorporated with UV-curable quaternary ammonium polyethyleneimine and AgNO<sub>3</sub>**  
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- XXV. **Hydrogen generation from waste Mg based material in various saline solutions (NiCl<sub>2</sub>, CoCl<sub>2</sub>, CuCl<sub>2</sub>, FeCl<sub>3</sub>, MnCl<sub>2</sub>)**  
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- XLI. **Modeling and Investigation of the Swelling Kinetics of Acrylamide-Sodium Acrylate Hydrogel**  
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- XLIV. **Degradation Behavior and Accelerated Weathering of Composite Boards Produced from Waste Tetra Pak (R) Packaging Materials**  
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- XLV. **Synthesis and characterization of magnesium borate minerals of admontite and mcallisterite obtained via ultrasonic mixing of magnesium oxide and various sources of boron: a novel method**  
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- LXI. **Microwave assisted green chemistry approach of sodium metaborate dihydrate (NaBO<sub>2</sub>·2H<sub>2</sub>O) synthesis and use as raw material for sodium borohydride (NaBH<sub>4</sub>) thermochemical production**  
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- III. **Thin-Layer Microwave Drying Kinetics of Mango Slices**  
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