

**Kimya Bölümü**  
**2021 Yılı SCI-E Yayınları**  
**(Kaynak: Web of Science)**

- [1] Abrar Ahmad, Fatih Tezcan, Gurbet Yerlikaya, Zia ur Rehman, Halime Paksoy, and Gulfeza Kardas. Three dimensional rosette-rod TiO<sub>2</sub>/Bi<sub>2</sub>S<sub>3</sub> heterojunction for enhanced photoelectrochemical water splitting. *JOURNAL OF ALLOYS AND COMPOUNDS*, 868, Article-Number = 159133, JUL 5 2021.
- [2] Dilek Akbaslar, E. Sultan Giray, and Oztekin Algul. Revisit to the synthesis of 1,2,3,4-tetrasubstituted pyrrole derivatives in lactic acid media as a green solvent and catalyst. *MOLECULAR DIVERSITY*, 25(4):2321–2338, NOV 2021.
- [3] Dilek Alagoz, Ali Toprak, Deniz Yildirim, S. Seyhan Tukul, and Roberto Fernandez Lafuente. Modified silicates and carbon nanotubes for immobilization of lipase from *Rhizomucor miehei*: Effect of support and immobilization technique on the catalytic performance of the immobilized biocatalysts. *ENZYME AND MICROBIAL TECHNOLOGY*, 144, Article-Number = 109739, MAR 2021.
- [4] Sevgi Ates, Evrim Baran Aydin, and Birgul Yazici. The corrosion behavior of the SnO<sub>2</sub>-coated mild steel in HCl solution at different temperature. *JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY*, 35(4):419–435, FEB 16 2021.
- [5] Burak Ay, Ghodrat Mahmoudi, Ali Akbar Khandar, Farhad Akbari Afkhani, Atakan Toprak, Fedor Zubkov, I, Jonathan White, Julia Klak,

- and Damir A. Safin. A novel paramagnetic coordination polymer, fabricated from  $\text{Co}(\text{NCS})_2$  and 2-pyridinecarbaldehyde isonicotinoylhydrazone. *INORGANICA CHIMICA ACTA*, 522, Article-Number = 120335, JUL 1 2021.
- [6] Evrim Baran Aydin, Gokmen Sigircik, and H. Aysun Mercimek Takci. Antimicrobial properties and corrosion behavior of  $\text{TiO}_2$ -NTs electrodes modified with Ag and ZnO nanorod in simulated body fluid solution. *JOURNAL OF MOLECULAR STRUCTURE*, 1240, Article-Number = 130569, SEP 15 2021.
- [7] Kemal Bolat, Arif Hasanoglu, and Acelya Secer. Use of modified corn starches as environmental and cost-friendly alternatives of PVA in sizing applications. *JOURNAL OF THE TEXTILE INSTITUTE*, 112(10):1688–1699, OCT 3 2021.
- [8] Gizem Gumusgoz Celik, Elif Senkuytu, Onur Sahin, and Selahattin Serin. The new water-soluble Schiff base derivative fluorometric chemosensor with highly selective and instantly sensitivity for  $\text{Fe}^{3+}$  ion detection in aqueous media. *INORGANICA CHIMICA ACTA*, 527, Article-Number = 120556, NOV 1 2021.
- [9] Mehmet Ersatir, Murat Turk, and Elife Sultan Giray. An efficient and green synthesis of 1,4-dihydropyridine derivatives through multi-component reaction in subcritical EtOH. *JOURNAL OF SUPERCRITICAL FLUIDS*, 176, Article-Number = 105303, OCT 2021.
- [10] Mehmet Ersatir and Metin Yildirim. Green synthesis of 2-amino-3-cyanopyridines via a cooperative vinylogous anomeric-based oxidation and their antiproliferative effects on liver, breast, and prostate cancer studies. *SYNTHETIC COMMUNICATIONS*, 51(8):1252–1265, APR 18 2021.
- [11] Mehmet Ersatir, Metin Yildirim, and Elife Sultan Giray. Carbostyryl derivatives: Synthesis of novel carbostyryl-3'-carbonitrilselenophene hybrid compounds and investigation of their antiproliferative properties on prostate and breast cancer. *SYNTHETIC COMMUNICATIONS*, 51(2):290–301, JAN 17 2021.
- [12] Gizem Bicer Goktepe, Mohammed Farid, and Halime Paksoy. Thermal energy storage in fluidized bed using microencapsulated phase change materials. *SOLAR ENERGY*, 222:27–34, JUL 1 2021.

- [13] Saman Nimali Gunasekara, Camila Barreneche, A. Ines Fernandez, Alejandro Calderon, Rebecca Ravotti, Alenka Ristic, Peter Weinberger, Halime Omur Paksoy, Burcu Kocak, Christoph Rathgeber, Justin Ningwei Chiu, and Anastasia Stamatiou. Thermal Energy Storage Materials (TESMs)-What Does It Take to Make Them Fly? *CRYSTALS*, 11(11), Article-Number = 1276,NOV 2021.
- [14] Aysen Kelesoglu, Gokmen Sigircik, Resit Yildiz, and Ilyas Dehri. Inhibition efficiency of pyrazinecarboxylic acid on mild steel in acidic environment. *JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY*, 35(13):1426–1446, JUL 3 2021.
- [15] Guray Kilinceker, Mahmut Bas, Farhad Zarifi, and Koray Sayin. Experimental and Computational Investigation for (E)-2-hydroxy-5-(2-benzylidene) Aminobenzoic Acid Schiff Base as a Corrosion Inhibitor for Copper in Acidic Media. *IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE*, 45(2):515–527, APR 2021.
- [16] Sifa Kir, Ilyas Dehri, Yunus Onal, and Ramazan Esen. Graphene quantum dots prepared from dried lemon leaves and microcrystalline mosaic structure. *LUMINESCENCE*, 36(6):1365–1376, SEP 2021.
- [17] B. Kocak, A. Fernandez, I, and H. Paksoy. Benchmarking study of demolition wastes with different waste materials as sensible thermal energy storage. *SOLAR ENERGY MATERIALS AND SOLAR CELLS*, 219, Article-Number = 110777,JAN 2021.
- [18] Burcu Kocak, Ana Ines Fernandez, and Halime Paksoy. Long-term stability of sensible thermal energy storage materials developed from demolition wastes interacting with hot heat transfer fluid. *INTERNATIONAL JOURNAL OF ENERGY RESEARCH*, 45(15):21451–21463, DEC 2021.
- [19] Burcu Kocak, A. Ines Fernandez, and Halime Paksoy. Characterization of demolition waste powder to be processed as sensible thermal energy storage material. *SOLAR ENERGY MATERIALS AND SOLAR CELLS*, 230, Article-Number = 111283,SEP 15 2021.
- [20] Oguz Yunus Saribiyik, Ilyas Gonul, Burak Ay, and Serkan Karaca. The effect of metalation processes on polymer morphology and conductivity properties. *POLYMERS & POLYMER COMPOSITES*, 29(9\_SUPPL, 9.):S1340–S1350, NOV 2021.

- [21] Fatih Tezcan and Gulfeza Kardas. Cu(I) complexes sensitized ZnO nanorods for photocatalytic water splitting. *JOURNAL OF MOLECULAR STRUCTURE*, 1236, Article-Number = 130274, JUL 15 2021.
- [22] Ali Toprak, S. Seyhan Tukel, and Deniz Yildirim. Stabilization of multimeric nitrilase via different immobilization techniques for hydrolysis of acrylonitrile to acrylic acid. *BIOCATALYSIS AND BIOTRANSFORMATION*, 39(3):221–231, MAY 4 2021.
- [23] Gurbet Yerlikaya, Abrar Ahmad, Murat Farsak, Huriye Akdas Kilig, Gulfeza Kardas, and Savas Kaya. Illuminating of mild steel/HCl interface in the presence of 5-DAT inhibitor. *JOURNAL OF MOLECULAR LIQUIDS*, 326, Article-Number = 115380, MAR 15 2021.
- [24] Metin Yildirim, Mehmet Ersatir, Badel Arslan, and Elife Sultan Giray. Cytotoxic and apoptotic potential of some coumarin and 2-amino-3-carbonitrile selenophene derivatives in prostate cancer. *TURKISH JOURNAL OF CHEMISTRY*, 45(1):192+, 2021.