

Personal Information

Email: karakurt@metu.edu.tr

Web: <https://avesis.metu.edu.tr/karakurt>

International Researcher IDs

ScholarID: m1XBy9sAAAAJ

ORCID: 0000-0002-1856-0503

Publons / Web Of Science ResearcherID: ABA-4181-2021

ScopusID: 57933269700

Yoksis Researcher ID: 316951

Education Information

Doctorate, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, Turkey 2021 - Continues

Postgraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, Turkey 2019 - 2021

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, Turkey 2014 - 2019

Dissertations

Postgraduate, SYNTHESIS, CHARACTERIZATION AND PHOTOVOLTAIC PROPERTIES OF BENZO[c][1,2,5]OXADIAZOLE BASED CONJUGATED POLYMERS FOR ORGANIC SOLAR CELLS, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, 2021

Research Areas

Natural Sciences

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **How do we get across? Impact of bridging aromatic units on the optical, electronic, and photovoltaic properties of donor-acceptor polymers**
Dikbiyik D. E., Karakurt O., Cevher D., Ozsoy G. H., Yıldırım E., Cirpan A.
Polymer, vol.294, 2024 (SCI-Expanded)
- II. **Innovative polymer engineering for the investigation of electrochemical properties and biosensing**

ability

Osmanoğulları S. C., Söylemez S., Karakurt O., Hacıoğlu Ş. Ö., Çırpan A., Toppare L. K.
Turkish Journal of Chemistry, vol.47, no.5, pp.1271-1284, 2023 (SCI-Expanded)

III. Boosting the efficiency of organic solar cells via plasmonic gold nanoparticles and thiol functionalized conjugated polymer

Karakurt O., Alemdar E., Erer M. C., Cevher D., Gulmez S., Taylan U., Cevher S. C., Ozsoy G. H., Ortac B., Çirpan A.
Dyes and Pigments, vol.208, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Synthesis and Characterization of New Random Conjugated Copolymers for Organic Solar Cell Applications

Karakurt O.

17th INTERNATIONAL NANOSCIENCE & NANOTECHNOLOGY CONFERENCE, İzmir, Turkey, 27 - 29 August 2023, vol.1, no.1, pp.137

II. SYNTHESIS, CHARACTERIZATION, AND PHOTOVOLTAIC PROPERTIES OF DITHIENYL BENZOOXADIAZOLE BASED POLYMERS FOR HIGH PERFORMANCE ORGANIC SOLAR CELLS

Karakurt O., Alemdar E., Çırpan A.

2nd International Conference on Photovoltaic Science and Technologies, Ankara, Turkey, 30 November - 02 December 2020, pp.146

III. Oxadiazole Containing Thiole Modified Conjugate Polymers for Solar Cells

Karakurt O., Cevher Ş. C., Çırpan A.

ISTANBUL INTERNATIONAL ORGANIC ELECTRONIC SYMPOSIUM, İstanbul, Turkey, 2 - 04 December 2019, pp.63

Metrics

Publication: 6

Citation (WoS): 3

Citation (Scopus): 4

H-Index (WoS): 1

H-Index (Scopus): 1