

# Burcu Özdemir

## Personal Information

**Email:** ozdemirburcu@itu.edu.tr

**Web:** <https://avesis.itu.edu.tr/ozdemirburcu@itu.edu.tr>

## Research Areas

Polymeric Materials

## Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2019 - Continues

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

- I. **Composition design of PLA/TPU emulsion blends compatibilized with multifunctional epoxy-based chain extender to tackle high impact resistant ductile structures**  
Kahraman Y., Alkan Göksu Y., Özdemir B., GÜMÜŞ B., Nofar M.  
JOURNAL OF APPLIED POLYMER SCIENCE, 2021 (Journal Indexed in SCI)
- II. **Effect of solvent type on the dispersion quality of spray-and freeze-dried CNCs in PLA through rheological analysis**  
Özdemir B., Nofar M.  
CARBOHYDRATE POLYMERS, vol.268, 2021 (Journal Indexed in SCI)
- III. **Thermal Stabilization of Recycled PET Through Chain Extension and Blending with PBT**  
Alkan Göksu Y., Özdemir B., Nofar M.  
Journal Of Polymers And The Environment, vol.2021, pp.1, 2021 (Journal Indexed in SCI Expanded)
- IV. **Mechanical and viscoelastic properties of polyethylene-based microfibrillated composites from 100% recycled resources**  
Nofar M., Yenigul B. S. , Özdemir B., Kovanci C. Y. , Ghanbari A., Jalali A.  
JOURNAL OF APPLIED POLYMER SCIENCE, 2021 (Journal Indexed in SCI)
- V. **Thermal and Environmentally Induced Degradation Behaviors of Amorphous and Semicrystalline PLAs Through Rheological Analysis**  
Atalay S. E. , Bezci B., Özdemir B., Alkan Göksu Y., Ghanbari A., Jalali A., Nofar M.  
JOURNAL OF POLYMERS AND THE ENVIRONMENT, 2021 (Journal Indexed in SCI)
- VI. **Super toughened and highly ductile PLA/TPU blend systems by in situ reactive interfacial compatibilization using multifunctional epoxy-based chain extender**  
Kahraman Y., Özdemir B., Kilic V., Alkan Göksu Y., Nofar M.  
JOURNAL OF APPLIED POLYMER SCIENCE, 2021 (Journal Indexed in SCI)