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Education Information

Doctorate, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, Turkey 2015 - 2022

Postgraduate, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, Turkey 2012 - 2015

Undergraduate, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, Turkey 2007 - 2012

Dissertations

Doctorate, Tavuk Tüyü Takviyeli Termoplastik Poliüretan Esaslı Biyokompozit Malzemelerin Mekanik ve Güç Tutuşurluk Özelliklerinin İyileştirilmesi, Erciyes University, Fen Bilimleri Enstitüsü, 2022

Postgraduate, Jüt Kumaş Takviyeli Polipropilen ve Polietilen Esaslı Biyokompozit Malzemelerin Üretimi ve Karakterizasyonu, Erciyes University, Fen Bilimleri Enstitüsü, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Production and Characterization of Eco-composite Polylactic Acid Films Doped with Carob Pod Powder/Silver Nanoparticles and Their Potential Utilization in Packaging Applications**
Erdem O., MUTLU A., YILMAZ A. C.
Journal of Polymers and the Environment, 2024 (SCI-Expanded)
- II. **Performance evaluation of melamine derivatives as flame retardant additive in chicken feather containing thermoplastic polyurethane biocomposites**
Mutlu A., Tayfun U., Dogan M.
JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.36, no.9, pp.3585-3602, 2023 (SCI-Expanded)
- III. **Potential Use of Melamine Phytate as a Flame-Retardant Additive in Chicken Feather-Containing Thermoplastic Polyurethane Biocomposites**
Mutlu A., Erdem A., Dogan M.
ACS OMEGA, vol.8, no.28, pp.25081-25089, 2023 (SCI-Expanded)
- IV. **The effect of phosphorus based flame retardants on the thermal and fire retardant properties of chicken feather/thermoplastic polyurethane composites**
Mutlu A., Dogan M.
GREEN MATERIALS, vol.0, no.0, 2023 (SCI-Expanded)
- V. **Thermal stability and flame retardant properties of calcium- and magnesium-hypophosphite-finished cotton fabrics and the evaluation of interaction with clay and POSS nanoparticles**
Furtana Ş., Mutlu A., Doğan M.
Journal of Thermal Analysis and Calorimetry, vol.139, no.6, pp.3415-3425, 2020 (SCI-Expanded)

- VI. **Effect of various enzymatic treatments on the mechanical properties of coir fiber/poly(lactic acid) biocomposites**
Coşkun K., Mutlu A., Doğan M., Bozacı E.
JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.34, no.8, pp.1066-1079, 2019 (SCI-Expanded)
- VII. **Effect of carbon fiber amount and length on flame retardant and mechanical properties of intumescent polypropylene composites**
Atabek Savaş L., Mutlu A., Dike A. S., Tayfun Ü., Doğan M.
JOURNAL OF COMPOSITE MATERIALS, vol.52, no.4, pp.519-530, 2017 (SCI-Expanded)
- VIII. **The effect of pre-impregnation with maleated coupling agents on mechanical and water absorption properties of jute fabric reinforced polypropylene and polyethylene biocomposites**
Baykuş O., Mutlu A., Doğan M.
JOURNAL OF COMPOSITE MATERIALS, vol.50, no.2, pp.257-267, 2015 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **The synergistic effect of acidic pumice powder on flame retardant properties of intumescent polypropylene composites**
Mutlu A., Doğan M.
3rd turkic wolrd conference on chemical sciences technologies, Baku, Azerbaijan, 10 - 13 September 2017, pp.1

Metrics

Publication: 9