

Res. Asst. Besim Emre BİRKAN

Personal Information

Email: bbirkan@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/bbirkan>

International Researcher IDs

ScholarID: 4dyhbNAAAAAJ

ORCID: 0000-0003-1119-9273

Publons / Web Of Science ResearcherID: AAZ-6911-2020

ScopusID: 57222321592

Yoksis Researcher ID: 312397

Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2022 - Continues

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Makine Mühendisliği, Turkey 2018 - 2022

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey 2010 - 2016

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Graphene reinforced nanocomposites: Manufacturing and characterization, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Makine Mühendisliği, 2022

Research Areas

Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Time-dependent thermo-mechanical behavior of graphene epoxy nanocomposites: Creep, relaxation, compression**

BİRKAN B. E., BAKBAK O., Colak O., ACAR A.

Journal of Composite Materials, vol.57, no.22, pp.3449-3462, 2023 (SCI-Expanded)

II. Functionalized graphene–epoxy nanocomposites: experimental investigation of viscoelastic and viscoplastic behaviors

Colak Ö. Ü., Birkan B., BAKBAK O., ACAR A., Uzunsoy D.

Mechanics of Time-Dependent Materials, vol.27, no.1, pp.185-205, 2023 (SCI-Expanded)

III. Mechanical characterization of Araldite LY 564 epoxy_ creep, relaxation, quasi-static compression and high strain rate behaviors

BAKBAK O., BİRKAN B. E., ACAR A., Colak Ö. Ü.

Polymer Bulletin, vol.79, no.4, pp.2219-2235, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. MECHANICAL BEHAVIOR OF FUNCTIONALIZED GRAPHENE-EPOXY NANOCOMPOSITES AROUND GLASS TRANSITION TEMPERATURE

Bakbak O., Birkan B. E., Acar A., Çolak Çakır Ö. Ü.

6th International Conference on Advances in Mechanical Engineering,, İstanbul, Turkey, 20 - 22 October 2021, pp.112-117

II. THREE ROLL MILLING FOR MANUFACTURING OF GRAPHENE- EPOXY NANOCOMPOSITES

Birkan B. E., Bakbak O., Acar A., Çolak Çakır Ö. Ü.

6th International Conference on Advances in Mechanical Engineering,, İstanbul, Turkey, 20 - 22 October 2021, pp.925-929

III. Creep and Relaxation Behavior of Araldite LY564 Epoxy

Birkan B. E., Bakbak O., Çolak Çakır Ö. Ü., Acar A.

"Virtual Congress on Materials Science & Engineering". Materials Info 2020, 9 - 10 November 2020, pp.19

IV. High Strain Rate and Quasi Static Behavior of Araldite LY564 Epoxy

Bakbak O., Birkan B. E., Acar A., Çolak Çakır Ö. Ü., Taşdemirci A.

"Virtual Congress on Materials Science & Engineering". Materials Info 2020, Delaware, United States Of America, 9 - 10 November 2020, pp.20

Supported Projects

EKER B., BİRKAN B. E., TAŞDEMİR M., BAKBAK O., Project Supported by Higher Education Institutions, Grafen ve Çinko Borat Takviyeli Geri Dönüşümlü Polipropilen Nano Kompozit Malzemenin Mekanik Termal ve Morfolojik Özelliklerinin İncelenmesi, 2021 - 2023

Çolak Çakır Ö. Ü., ACAR A., TUBITAK Project, Yüksek şekil değiştirme hızlarında Nano kompozit malzeme karakterizasyonu ve modellenmesi, 2018 - 2022

Metrics

Publication: 8

Citation (WoS): 4

Citation (Scopus): 25

H-Index (WoS): 1

H-Index (Scopus): 3