

Res. Asst. PhD OĞUZHAN BİLAÇ

Personal Information

Email: obilac@aybu.edu.tr

Web: <https://avesis.aybu.edu.tr/obilac>

Address: obilac@aybu.edu.tr

International Researcher IDs

ScholarID: n-cmZikAAAAJ

ORCID: 0000-0003-3642-4262

Publons / Web Of Science ResearcherID: JUV-5231-2023

ScopusID: 57221753478

Yoksis Researcher ID: 285064

Education Information

Doctorate, Ankara Yildirim Beyazit University, Metalurji Ve Malzeme Mühendisliği, Turkey 2019 - 2023

Postgraduate, Sakarya University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2015 - 2018

Undergraduate, Sakarya University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2011 - 2015

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, FABRICATION AND CHARACTERIZATION OF COMPOSITIONALLY-ENGINEERED

GLASS/CERAMIC/NANOFILLER COMPOSITES FOR LTCC AND RADOME APPLICATIONS, Ankara Yildirim Beyazit University, Mühendislik ve Doğa Bilimleri Fakültesi, Metalurji ve Malzeme Mühendisliği, 2023

Postgraduate, AKIMSIZ NİKEL-BOR-FOSFOR KAPLAMALARDA SODYUM HİPOFOSFİT MİKTARININ ETKİSİ, Sakarya University, Mühendislik fakültesi, Metalurji ve Malzeme Mühendisliği, 2018

Research Areas

Ceramic Materials, Composites, Nanomaterials

Academic Titles / Tasks

Research Assistant, Ankara Yildirim Beyazit University, Mühendislik ve Doğa Bilimleri Fakültesi, Metalurji ve Malzeme Mühendisliği, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis of aluminum borate powder, fabrication and characterization of aluminum borate-based ceramics**
Özgür B., BİLAÇ O., DURAN C.
Ceramics International, vol.50, no.9, pp.14987-14995, 2024 (SCI-Expanded)
- II. **Investigation low-temperature densification and dielectric properties of glass/Al₂O₃/nano-TiO₂ ceramics for microwave applications**
BİLAÇ O.
Journal of the Australian Ceramic Society, 2024 (SCI-Expanded)
- III. **Mechanical, thermal, and dielectric properties of glass mullite composites for low-temperature cofired ceramic and radome applications**
BİLAÇ O., DURAN C.
International Journal of Applied Ceramic Technology, vol.20, no.5, pp.3287-3296, 2023 (SCI-Expanded)
- IV. **Effect of nano aluminum nitride filler on mechanical, thermal, and dielectric properties of the glass/mullite composites for low-temperature co-fired ceramic applications**
BİLAÇ O., DURAN C.
Journal of the American Ceramic Society, vol.106, no.8, pp.4902-4910, 2023 (SCI-Expanded)
- V. **Processing and properties of nano-hBN-added glass/ceramic composites for low-temperature co-fired ceramic applications**
BİLAÇ O., DURSUN G. M., DURAN C.
Journal of the Korean Ceramic Society, vol.59, no.3, pp.383-392, 2022 (SCI-Expanded)
- VI. **Al₂O₃/glass/hBN composites with high thermal conductivity and low dielectric constant for low temperature cofired ceramic applications**
BİLAÇ O., DURAN C.
Journal of Asian Ceramic Societies, vol.9, no.1, pp.260-267, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Effect of Sodium Hypophosphite, Temperature and Time in co-deposit Ni-P Coatings on 6061 Series Aluminum Substrate: An Environment-Friendly Alternative to Electrolytic Hard Metal Coatings**
AKYOL A., ALGÜL H., BİLAÇ O., ULU S., GÜL H., UYSAL M., ÇAY Y., ALP A.
ACADEMIC PLATFORM-JOURNAL OF ENGINEERING AND SCIENCE, vol.7, no.3, pp.442-448, 2019 (Peer-Reviewed Journal)

Supported Projects

DURAN C., BİLAÇ O., Project Supported by Higher Education Institutions, LTCC Uygulamaları için nano AlN katkılı Seramik/Cam Kompozitlerin Geliştirilmesi ve Karakterizasyonları, 2021 - 2023

Bilaç O., TUBITAK Project, Development of Ceramic-Glass Composites for LTCC and Radome Applications, Investigation of Mechanical, Dielectric, and Thermal Properties, 2021 - 2022

Alp A., TUBITAK Project, Development Wear and Corrosion Resistance of Aluminum Alloys by Electroless Hybrid Coating Method, 2017 - 2018

Metrics

Publication: 7

Citation (Scopus): 24

H-Index (Scopus): 3

Scholarships

TÜBİTAK 1005 , TUBITAK, 2017 - 2018

Non Academic Experience

TUBITAK, Sakarya University, Department Of Metallurgical And Materials Engineering