

Asst. Prof. BETÜL YILDIZ

Personal Information

Office Phone: [+90 228 214 2571](tel:+902282142571)

Email: betul.yildiz@bilecik.edu.tr

Web: <https://avesis.bilecik.edu.tr/A/1055>

International Researcher IDs

ScholarID: [hJWzIQ4AAAAJ](https://orcid.org/0000-0002-7520-7722)

ORCID: 0000-0002-7520-7722

Publons / Web Of Science ResearcherID: IYS-2982-2023

ScopusID: 56769163100

Yoksis Researcher ID: 366290

Education Information

Doctorate, Anadolu University, Fen Bilimleri Enstitüsü, Seramik Mühendisliği (Dr), Turkey 2004 - 2010

Undergraduate, Anadolu University, Mühendislik - Mimarlık Fakültesi, Malzeme Bilimi Ve Mühendisliği Bölümü, Turkey 1999 - 2004

Academic and Administrative Experience

Bilecik Seyh Edebali University, 2022 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of particle size distribution on the properties of celsian based glazes**
YILDIZ B.
Journal of the Australian Ceramic Society, 2024 (SCI-Expanded)
- II. **Effects of alumina and white fused alumina addition on technological properties of transparent floor tile glazes**
Bayer Ozturk Z., Yıldız B., Kara A.
Journal of Thermal Analysis and Calorimetry, vol.142, no.3, pp.1215-1221, 2020 (SCI-Expanded)
- III. **Roles of CaO, MgO and SiO₂ on crystallization and microstructure development in diopside-based glass-ceramic glazes under industrial fast-firing condition**
Suvaci E., Yıldız B.
Journal of the Australian Ceramic Society, vol.53, no.1, pp.75-81, 2017 (SCI-Expanded)
- IV. **Effect of alumina characteristics and concentration on thermal behavior, phase evolution, and aesthetic properties of tile glaze coatings**
Ozturk Z. B., Yıldız B.
Glass Physics and Chemistry, vol.42, no.3, pp.257-262, 2016 (SCI-Expanded)
- V. **Effects of alumina and white fused alumina addition on transparent wall and floor tile glazes**
Yıldız B., Ozturk Z., Kara A.
Acta Physica Polonica A, vol.127, no.4, pp.1090-1093, 2015 (SCI-Expanded)
- VI. **Investigation of the usage of whitening agents as an alternative to zircon in opaque frit**

compositions

Yildiz B., Ozturk Z.

Acta Physica Polonica A, vol.127, no.4, pp.1180-1182, 2015 (SCI-Expanded)

VII. The effect of different fluxes on thermal behavior of floor tile glazes

Ozturk Z., Yildiz B.

Acta Physica Polonica A, vol.127, no.4, pp.1183-1185, 2015 (SCI-Expanded)

VIII. Anisotropic sintering shrinkage in alumina ceramics containing oriented platelets

Ozer I., Suvaci E., Karademir B., Missiaen J., Carry C., Bouvard D.

Journal of the American Ceramic Society, vol.89, no.6, pp.1972-1976, 2006 (SCI-Expanded)

Articles Published in Other Journals

I. Mermer, Granit ve Kompozit Kuvars Mutfak Tezgâhlarının Teknik Özelliklerinin Karşılaştırılması

ÖZODABAŞ A., YILDIZ B., TAYÇU A.

Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.16, no.2, pp.813-831, 2024 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Determining The Technology Readiness Level In R& D Projects

Yıldız B.

2. BİLSEL Uluslararası Efes Bilimsel Araştırmalar ve İnovasyon Kongresi, İzmir, Turkey, 14 - 15 October 2023, pp.31

II. Application and Importance of Technology Readiness Level for Industrial Ceramic Sector

YILDIZ B.

SERES'18 IV. International Ceramic, Glass, Porcelain, Enamel, Glaze and Pigment Congress, Eskişehir, Turkey, 18 October 2018

III. Effect of Frit Quenching Temperature on Grinding Process of Wall Tile Glazes

YILDIZ B., TUNALI A., TAMSÜ SELLİ N.

5th International Advances in Applied Physics and Materials Science Congress&Exhibition (APMAS), Turkey, 13 October 2015

IV. Seramik Sır Yüzeylerinde Asit ve Baz Dayanımı:Derleme.

BAYER ÖZTÜRK Z., YILDIZ B.

8. Eskişehir Pişmiş Toprak Sempozyumu, Turkey, 05 September 2014

V. Cam Seramik Sırlar-Derleme

YILDIZ B.

8. Eskişehir Pişmiş Toprak Sempozyumu, Turkey, 05 September 2014

VI. Effect of Pore Characteristics on Engobe Permeability for the Water Mark Problem

YILDIZ B., KARA A.

Qualicer 2014: 8th World Congress on Ceramic Tile Quality, Spain, 15 February 2014

VII. Effects of Na₂O, K₂O and B₂O₃ on Crystallization Behavior and Microstructure of Diopside Based Tile Glass Ceramic Glazes

YILDIZ B., SUVACI E.

IMMC 2010:15th International Metallurgy&Materials Congress, İstanbul, Turkey, 11 November 2010

VIII. Compositional Modification Effects on the Properties of Diopside Based Wall Tile Engobes

YILDIZ B., SUVACI E.

SERES'09 I. International Ceramic, Glass, Enamel, Glaze and Pigment Congress, Turkey, 12 - 14 October 2009

IX. Investigation of the Compositional Variation Effect on the Diopside Based Wall Tile Engobe's Properties

YILDIZ B., SUVACI E.

ECERS 11th International Conference and Exhibition of the European Ceramic Society, Krakow, Poland, 21 June 2009

- X. **Investigation of the Compositional Variation Effect on the Diopside Based Frits' Thermal Behaviour**
YILDIZ B., SUVACI E.

VII. Ceramic Congress with International Participation, Turkey, 26 November 2008

- XI. **Anisotropic Shrinkage in Sintering of Alumina Ceramics with Oriented Platelets.**

ÖZER İ. Ö., SUVACI E., YILDIZ B.

Sintering'05: 4th International Conference on Science, Technology and Applications of Sintering, France, 29 August 2005

Supported Projects

YILDIZ B., OYTAÇ Z. E., Project Supported by Higher Education Institutions, Anortit, Albit Esaslı Cam Seramik Sırlarda Kompozisyon-Mikroyapı İlişkisinin Kurulması ve Mikroyapının Sır Mekanik ve Optik Özellikler Üzerindeki Etkisinin İncelenmesi, 2023 - Continues

Yıldız B., TUBITAK Project, Kuvars Tane Boyut ve Farklı Atıkların Kuvars Mutfak Tezgâhları Üzerindeki Etkisinin Araştırılması; Çift Tabakalı Kompozit Tezgâhların Geliştirilmesi, 2023 - 2024

Özodabaş A., Yıldız B., Tayçu A., TUBITAK Project, Kuvars tane boyut ve farklı atıkların kuvars mutfak tezgâhları üzerindeki etkisinin araştırılması; çift tabakalı kompozit tezgahların geliştirilmesi, 2023 - 2024

YILDIZ B., SAYEM- Akıllı Ürünler, 2019 - 2020

YILDIZ B., TUBITAK Project, 1501- Seramik Sağlık Gereçleri- Eviye Bünye Geliştirme, 2017 - 2019

YILDIZ B., TUBITAK Project, 1501-Kaplama Malzemeleri- Parlak Sır Geliştirme, 2015 - 2016

YILDIZ B., TUBITAK Project, 1501-Sır ve Engopta Kullanılan Zirkon Miktarının Azaltılması, 2008 - 2010