

## Assoc. Prof. TAHSİN BOYRAZ

### Personal Information

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### International Researcher IDs

ScholarID: OkztoFkAAAAJ

ORCID: 0000-0003-4404-6388

Publons / Web Of Science ResearcherID: D-8897-2016

ScopusID: 6507780911

Yoksis Researcher ID: 25258

### Education Information

Doctorate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey  
1998 - 2008

Postgraduate, Sakarya University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering,  
Turkey 1996 - 1998

Undergraduate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü,  
Turkey 1988 - 1994

### Certificates, Courses and Trainings

Occupational Health and Safety, İşyeri Hekimliği ve İş Güvenliği Uzmanlığı Eğitici Belgesi, , T.C. Çalışma ve Sosyal Güvenlik  
Bakanlığı, İş Sağlığı ve Güvenliği Genel Müdürlüğü., 2013

### Dissertations

Doctorate, Farklı yöntemlerle şekillendirilmiş CaO/MgO katkılı stabilize edilmiş ZrO<sub>2</sub> esaslı seramiklerin fiziksel ve  
elektriksel özelliklerinin incelenmesi, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme  
Mühendisliği Bölümü, 2008

Postgraduate, Diş porselen tozları, Sakarya Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği  
Bölümü, 1998

### Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2019 - Continues

Assistant Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2009 - 2019

Research Assistant, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 2008 - 2009  
Research Assistant, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 1998 - 2008  
Research Assistant, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalürji Mühendisliği, 1994 - 1998

## Academic and Administrative Experience

Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2013 - 2015  
Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2010 - 2015

## Courses

Seramik Malzemeler, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
İleri Seramik Üretimi ve Teknolojisi, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Seramik Laboratuvarı, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
İleri Teknoloji malzemeler, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Cam ve Cam Seramikler, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Phase Diagrams, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Balistik Malzemeler ve Zırh Teknolojileri, Doctorate, 2022 - 2023, 2021 - 2022  
Toz Metalurjisi ve Uygulamaları, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Katı Oksit Yakıt Hücreleri İçin Seramik Malzemeler, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Uzmanlık Alan Dersi, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Glass Technology, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Toz Metalurjisi, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
seramik Sensör Malzemeler, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Bitirme Ödevi, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Seminer Dersi, Doctorate, 2020 - 2021  
Seminer Dersi, Postgraduate, 2020 - 2021  
Refrakterler ve Endüstriyel Fırınlar, Undergraduate, 2020 - 2021  
Nano Malzemeler ve Nano Teknolojisi, Postgraduate, 2015 - 2016  
Mukavemet, Undergraduate, 2013 - 2014  
Metalurji Mühendisliği Projesi II, Undergraduate, 2013 - 2014  
Statik ve Mukavemet, Undergraduate, 2013 - 2014  
Metalurji Termodinamiği I, Undergraduate, 2012 - 2013  
Nano Malzemeler, Undergraduate, 2012 - 2013  
Nano Malzemeler, Undergraduate, 2012 - 2013  
Metalurji Mühendisliği Projesi I, Undergraduate, 2013 - 2014  
Metalurji Termodinamiği II, Undergraduate, 2012 - 2013  
Döküm Prensipleri, Undergraduate, 2011 - 2012  
Metalurji Ve Malzeme Müh. Giriş, Undergraduate, 2012 - 2013  
Teknik Resim, Undergraduate, 2011 - 2012  
Malzeme Analiz Teknikleri, Undergraduate, 2011 - 2012  
Metalurjik Atıklar ve Çevre, Undergraduate, 2010 - 2011  
Üretim Metalurjisi Laboratuvarı II, Undergraduate, 2010 - 2011

Metalurji Ve Malzeme Müh. Giriş, Undergraduate, 2009 - 2010

## Advising Theses

Boyras T., Sivas-Yıldızeli yöresi vermicülit hammaddesinin seramik sektöründe kullanımının araştırılması, Postgraduate, Ş.TAPİK(Student), 2019

BOYRAZ T., Alüminyum titanat katkılı porselenlerin üretilmesi ve karakterizasyonu, Postgraduate, M.SAÇLI(Student), 2014

BOYRAZ T., Alüminyum titanat/YSZ dental seramiklerin üretilmesi ve karakterizasyonu, Postgraduate, E.ÇITAK(Student), 2014

BOYRAZ T., Alüminyum titanat/spinel seramik kompozitlerin üretilmesi ve karakterizasyonu, Postgraduate, U.ÖNEN(Student), 2013

## Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Sivas Cumhuriyet Üniversitesi, September, 2022

Post Graduate, Post Graduate, Fırat Üniversitesi, June, 2022

Post Graduate, Post Graduate, Fırat Üniversitesi, May, 2022

Doctorate, Doctorate, Sivas Cumhuriyet Üniversitesi, September, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Sivas Cumhuriyet Üniversitesi, September, 2021

Post Graduate, Post Graduate, Sivas Cumhuriyet Üniversitesi, August, 2021

Post Graduate, Post Graduate, Fırat Üniversitesi, June, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Sivas Cumhuriyet Üniversitesi, June, 2021

Post Graduate, Post Graduate, Fırat Üniversitesi, October, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Sivas Cumhuriyet Üniversitesi, June, 2019

Post Graduate, Post Graduate, Bursa Teknik Üniversitesi, June, 2018

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

- I. **Correlation between bending strength and porosity in vermiculite added ceramic bodies**  
Önen U., BOYRAZ T.  
Journal of Ceramic Processing Research, vol.25, no.4, pp.624-632, 2024 (SCI-Expanded)
- II. **Prediction of Wear Properties of CaO and MgO Doped Stabilized Zirconia Ceramics with Artificial Neural Networks**  
YÜKSEK A. G., BOYRAZ T., AKKUŞ A.  
Transactions of the Indian Ceramic Society, vol.83, no.3, pp.188-198, 2024 (SCI-Expanded)
- III. **Prediction of wear properties of CaO and MgO doped stabilized zirconia ceramics produced with different pressing methods using adaptive neuro fuzzy inference systems Vorhersage der Verschleißigenschaften von CaO- und MgO-dotierten stabilisierten Zirkonoxidkeramiken, die mit verschiedenen Pressmethoden unter Verwendung adaptiver Neuro-Fuzzy-Inferenzsysteme hergestellt wurden**  
YÜKSEK A. G., BOYRAZ T., AKKUŞ A.  
Materialwissenschaft und Werkstofftechnik, 2024 (SCI-Expanded)
- IV. **Investigation of wear properties of mullite and aluminium titanate added porcelain ceramics**

- Boyraz T., AKKUŞ A.  
JOURNAL OF CERAMIC PROCESSING RESEARCH, vol.22, no.2, pp.226-231, 2021 (SCI-Expanded)
- V. **Structural and mechanical characterization of mullite and aluminium titanate reinforced yttria stabilized zirconia ceramic composites**  
Kucuk I., BOYRAZ T.  
JOURNAL OF CERAMIC PROCESSING RESEARCH, vol.20, no.1, pp.73-79, 2019 (SCI-Expanded)
- VI. **Fabrication and characterization of aluminium titanate and mullite added Porcelain ceramics**  
AKKUŞ A., BOYRAZ T.  
JOURNAL OF CERAMIC PROCESSING RESEARCH, vol.20, no.1, pp.54-58, 2019 (SCI-Expanded)
- VII. **Investigation of wear properties of CaO, MgO added stabilized zirconia ceramics produced by different pressing methods**  
AKKUŞ A., BOYRAZ T.  
JOURNAL OF CERAMIC PROCESSING RESEARCH, vol.19, no.3, pp.249-252, 2018 (SCI-Expanded)
- VIII. **Thermomechanical properties of aluminium titanate (Al<sub>2</sub>TiO<sub>5</sub>)-reinforced forsterite (Mg<sub>2</sub>SiO<sub>4</sub>) ceramic composites**  
Kucuk I., BOYRAZ T., Gokce H., Öveçoğlu M. L.  
CERAMICS INTERNATIONAL, vol.44, no.7, pp.8277-8282, 2018 (SCI-Expanded)
- IX. **Microstructural characterization and thermal properties of aluminium titanate/porcelain ceramic matrix composites**  
Sacli M., Onen U., Boyraz T.  
Acta Physica Polonica A, vol.127, no.4, pp.1133-1135, 2015 (SCI-Expanded)
- X. **Microstructural characterization and thermal properties of aluminium titanate/talc ceramic matrix composites**  
Ozsoy E., Onen U., Boyraz T.  
Acta Physica Polonica A, vol.127, no.4, pp.1136-1138, 2015 (SCI-Expanded)
- XI. **Microstructural Characterization and Thermal Properties of Aluminium Titanate/YSZ Ceramics**  
Citak E., Boyraz T.  
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.465-468, 2014 (SCI-Expanded)
- XII. **Microstructural Characterization and Thermal Properties of Aluminium Titanate/Spinel Ceramic Matrix Composites**  
Onen U., Boyraz T.  
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.488-490, 2014 (SCI-Expanded)
- XIII. **Microstructural and mechanical properties of hot-pressed (B<sub>4</sub>C, SiC)/TiB<sub>2</sub> Composites**  
Akarsu A. C., Gökfe H., Ertug B., Addemir A. O., Övejojlu M. L., Boyraz T.  
CFI Ceramic Forum International, vol.89, 2012 (SCI-Expanded)
- XIV. **INVESTIGATION OF THE ELECTRICAL CONDUCTIVITY AND HUMIDITY SENSITIVITY CHARACTERISTICS OF BaTiO<sub>3</sub> CERAMICS WITH PMMA ADDITIVE**  
Ertug B., Boyraz T., Addemir O.  
ARCHIVES OF METALLURGY AND MATERIALS, vol.57, no.2, pp.437-442, 2012 (SCI-Expanded)
- XV. **Characterization of microstructural and thermal properties of steatite/cordierite ceramics prepared by using natural raw materials**  
Gokce H., Ağaoğulları D., Öveçoğlu M. L., Duman I., Boyraz T.  
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.31, no.14, pp.2741-2747, 2011 (SCI-Expanded)
- XVI. **Humidity sensitivity characteristics of BaTiO<sub>3</sub> ceramics with PMMA additive at various working temperatures**  
Ertug B., BOYRAZ T., Addemir O.  
JOURNAL OF CERAMIC PROCESSING RESEARCH, vol.11, no.4, pp.443-447, 2010 (SCI-Expanded)
- XVII. **Investigation of thermal stresses in dental restoration by mathematical method**  
Haskan H., Boyraz T., Kilicarslan M. A.  
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.27, pp.899-902, 2007 (SCI-Expanded)
- XVIII. **The characterization of metal-ceramic interfaces in porcelain teeth**

## Articles Published in Other Journals

- I. **Regression Modelling to Study Wear Properties of Experimental Produced Porcelain Ceramics**  
YÜKSEK A. G., BOYRAZ T., AKKUŞ A.  
Teknik Meslek Yüksekokulları Akademik Araştırma Dergisi, vol.2, no.2, 2023 (Peer-Reviewed Journal)
- II. **Prediction of Wear Properties of Experimental Produced Porcelain Ceramics Using Artificial Neural Networks (ANN)**  
Yüksek A. G., Boyraz T., Akkuş A.  
Sivas Cumhuriyet Üniversitesi Mühendislik Fakültesi Dergisi, vol.1, no.2, pp.66-74, 2023 (Peer-Reviewed Journal)
- III. **Investigation Of The Effect Of Vermiculite (Yıldızeli/Sivas) Addition On The Properties Of Sanitaryware Ceramic**  
BOYRAZ T., ÖNEN U., TAPİK Ş.  
Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), vol.5, no.2, pp.632-642, 2022 (Peer-Reviewed Journal)
- IV. **The effect of mullite addition on wear properties of titania doped zirconia ceramics**  
HAFIZOĞLU M. A., BOYRAZ T., AKKUŞ A.  
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.12, no.1, pp.43-50, 2022 (Peer-Reviewed Journal)
- V. **Fabrication and Characterization of Mullite Reinforced CeO<sub>2</sub> Added ZrO<sub>2</sub> Ceramics**  
HAFIZOĞLU M. A., AKKUŞ A., BOYRAZ T.  
Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), vol.22, no.5, pp.262-274, 2022 (Peer-Reviewed Journal)
- VI. **The Effect of Mullite Addition on Wear Properties of SiO<sub>2</sub> Doped ZrO<sub>2</sub> Ceramics**  
HAFIZOĞLU M. A., BOYRAZ T., AKKUŞ A.  
CUMHURİYET SCIENCE JOURNAL, vol.43, no.2, pp.257-265, 2022 (Peer-Reviewed Journal)
- VII. **Fabrication and Characterization of Mullite Reinforced Y<sub>2</sub>O<sub>3</sub> Added ZrO<sub>2</sub> Ceramics**  
HAFIZOĞLU M. A., BOYRAZ T., AKKUŞ A.  
Open Journal of Nano, vol.6, no.2, pp.28-40, 2021 (Peer-Reviewed Journal)
- VIII. **Fabrication and Characterization of Mullite Reinforced MgO Added ZrO<sub>2</sub> Ceramics**  
HAFIZOĞLU M. A., BOYRAZ T., AKKUŞ A.  
European Journal of Science and Technology, no.28, 2021 (Peer-Reviewed Journal)
- IX. **Fabrication and Characterization of Mullite Reinforced CaO Added ZrO<sub>2</sub> Ceramics**  
HAFIZOĞLU M. A., AKKUŞ A., BOYRAZ T.  
European Journal of Science and Technology, no.28, pp.1137-1143, 2021 (Peer-Reviewed Journal)
- X. **Vermikülit (Yıldızeli/ Sivas) İlavesinin Seramik Porselenin Özellikleri Üzerinde Etkisinin Araştırılması**  
TAPİK Ş., ÖNEN U., BOYRAZ T.  
AKU J. Sci. Eng., no.19, pp.513-520, 2019 (Peer-Reviewed Journal)
- XI. **RADIATION ATTENUATION PROPERTIES OF ALUMINUM TITANATE-SPINEL COMPOSITES FOR CO-60 GAMMA SOURCE**  
Görkem Ç., TUĞRUL A. B., ÖNEN U., BOYRAZ T., BÜYÜK B.  
Materials Methods and Technologies, no.13, pp.145-152, 2019 (Peer-Reviewed Journal)
- XII. **Radiation Attenuation Properties Of Aluminum Titanate-Spinel, Composites For Co-60 Gamma Source**  
ÇEVİKBAŞ G., TUĞRUL A. B., ÖNEN U., BOYRAZ T., BÜYÜK B.  
Materials, Methods Technologies, no.13, pp.145-152, 2019 (Peer-Reviewed Journal)
- XIII. **Thermal Properties and Microstructural Characterization of Aluminium Titanate (Al<sub>2</sub>TiO<sub>5</sub>) / La<sub>2</sub>O<sub>3</sub> - Stabilized Zirconia (ZrO<sub>2</sub>) Ceramics**  
BOYRAZ T.

Cumhuriyet Science Journal, vol.39, no.1, pp.243-249, 2018 (Peer-Reviewed Journal)

- XIV. **Investigation of Thermal Stress In Different Metal Based Dental Restorations By Mathematical Analysis**  
COŞKUN M. E., BOYRAZ T., TUĞUT F., AKIN H.  
cumhuriyet dental journal, vol.18, no.4, pp.311-317, 2015 (Scopus)
- XV. **An investigation of aluminum titanate spinel composites behavior in radiation**  
ÇEVİKBAŞ G., TUĞRUL A. S. B., ÖNEN U., BOYRAZ T., BÜYÜK B.  
AIP Conference Proceedings, vol.1653, pp.20029, 2015 (Scopus)
- XVI. **Investigation of thermal stress in different metal-ceramic restorations by mathematical analysis**  
COŞKUN M. E., BOYRAZ T., TUĞUT F., AKIN H.  
Cumhuriyet Dental Journal, vol.18, no.4, pp.311-317, 2015 (Scopus)
- XVII. **Dental Restorasyonlarda (Kaplama, Dolgu, Kuron) Kullanılan Ticari Lityum Disilikat Cam-Seramiklerinin Üretimi ve Karakterizasyonu**  
ERTUĞ B., SADULLAHOĞLU G., BOYRAZ T.  
Metal Dünyası, no.235, 2013 (Peer-Reviewed Journal)
- XVIII. **Response time and stability characteristics of pmma-containing barium titanate sensors**  
ERTUĞ B., BOYRAZ T., ADDEMİR O.  
Special Topics Reviews in Porous Media, vol.3, no.3, pp.271-280, 2012 (Scopus)
- XIX. **The Characterization of The Mechanical And Thermal Properties Of Hot Pressed Hexagonal Boron Nitride Titanium Diboride Composites**  
AKARSU A. C., GÖKÇE H., BOYRAZ T., ERTUĞ B., SADULLAHOĞLU G., ADDEMİR A. O., ÖVEÇOĞLU M. L.  
Journal of Trends Chemistry, vol.3, no.1, pp.6-11, 2012 (Peer-Reviewed Journal)
- XX. **Sıcak Şekillendirilmiş ZrO<sub>2</sub> Seramiklerde Bağlayıcı Giderme ve Karakterizasyon**  
BOYRAZ T., ADDEMİR O.  
İTÜ dergisi/d, vol.9, no.2, 2010 (Peer-Reviewed Journal)
- XXI. **Effects of B<sub>4</sub>C addition on the microstructural and thermal properties of hot pressed SiC ceramic matrix composites**  
KEÇELİ Z., ÖĞÜNÇ H., BOYRAZ T., GÖKÇE H., ADDEMİR A. O., ÖVEÇOĞLU M. L.  
Journal of Achievements in materials and manufacturing Engineering, vol.37, no.2, 2009 (Scopus)
- XXII. **Bor Nitrür Tozlarının Üretim Yöntemleri ve Uygulama Alanları**  
ERTUĞ B., BOYRAZ T.  
Metal Dünyası, 2003 (Peer-Reviewed Journal)
- XXIII. **SİVAS KİREÇ FABRİKASINA YÖNELİK ALTERNATİF HAMMADDEKAYNAKLARININ DEĞERLENDİRİLMESİ**  
SÜL Ö. L., KAHRİMAN A., DEMİRCİ A., CEBECİ Y., BOYRAZ T.  
Madencilik, vol.35, no.2, pp.41-46, 1996 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **COMPARISON OF RANDOM FOREST AND ARTIFICIAL NEURAL NETWORKS FOR PREDICTIVE MODELLING OF DEBINDING BEHAVIOUR OF PRESSURELESS HOT FORMED ZIRCONIA CERAMICS**  
Yüksek A. G., Boyraz T.  
in: Research and Findings in Engineering Sciences-2024, BOZKURT ÖMER YAVUZ, ERGÜL ENGİN, Editor, Livre de Lyon, Lyon, pp.67-88, 2024
- II. **PREDICTIVE MODELLING OF WEAR PROPERTIES OF CAO AND MGO DOPED STABILIZED ZIRCONIA CERAMICS WITH DIFFERENT MACHINE LEARNING ALGORITHMS**  
Yüksek A. G., Boyraz T., Akkuş A.  
in: Modern Research in Engineering Sciences-2024, Halil İbrahim Kurt, Duygu Kavak, Editor, Livre de Lyon, Lyon, pp.1-33, 2024
- III. **Mathematical Thermal Stress Analysis in Metal-Ceramic and Ceramic-Ceramic Coatings**

Boyraz T.

in: POPULAR APPROACHES TO ENGINEERING, Mehmet Sait CENGİZ, Editor, Duvar yayınları, İzmir, pp.47-62, 2024

**IV. Adaptive Neuro Fuzzy Inference Systems (ANFIS) and Application to Wear Prediction of Porcelain Ceramics**

Boyraz T.

in: POPULAR APPROACHES TO ENGINEERING, Mehmet Sait CENGİZ, Editor, Duvar Yayınları, İzmir, pp.23-46, 2024

## **Refereed Congress / Symposium Publications in Proceedings**

- I. Investigation of Wear Properties of Mullite-Alumina-Zirconia Ceramics**  
HAFIZOĞLU M. A., BOYRAZ T., AKKUŞ A.  
Ege 10th International Conference on Applied Sciences, İzmir, Turkey, 20 - 22 December 2023
- II. Prediction of Wear Properties of Experimental Produced Porcelain Ceramics Using Support Vector Machine (SVM)**  
BOYRAZ T., YÜKSEK A. G., TOPÇU A., AKKUŞ A.  
V. Baskent International Conference on Multidisciplinary Studies, Ankara, Turkey, 21 - 22 December 2023
- III. Prediction of Wear Properties of CaO and MgO Doped Stabilized Zirconia Ceramics With Gaussian Process Regression (GPR)**  
YÜKSEK A. G., BOYRAZ T., KARTAL A., AKKUŞ A.  
12th International Congress On Engineering Architecture and Design, İstanbul, Turkey, 23 - 25 December 2023, vol.1
- IV. Investigation of Wear Properties of Mullite-Magnesia-Zirconia Ceramics**  
HAFIZOĞLU M. A., AKKUŞ A., BOYRAZ T.  
12. EUROASIA(International Congress on Scientific Research and Recent Trends-XII), Ankara, Turkey, 29 - 30 November 2023
- V. Investigation of Wear Properties of Mullite-Yttria-Zirconia Ceramics**  
HAFIZOĞLU M. A., BOYRAZ T., AKKUŞ A.  
12. EUROASIA(International Congress on Scientific Research and Recent Trends-XII), Ankara, Turkey, 29 - 30 November 2023
- VI. Investigation of Wear Properties of Mullite-Ceria-Zirconia Ceramics**  
HAFIZOĞLU M. A., AKKUŞ A., BOYRAZ T.  
V. International Cappadocia Scientific Research Congress, Nevşehir, Turkey, 5 - 07 November 2023
- VII. Fabrication, Characterization and Wear Properties of Mullite Reinforced Silica-Doped Zirconia Ceramic Composites**  
HAFIZOĞLU M. A., BOYRAZ T., AKKUŞ A.  
4. International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC'21), Nevşehir, Turkey, 28 - 30 May 2021, pp.175-180
- VIII. Investigation of The Effect of Vermiculite (Yıldızeli/Sivas) Addition on The Properties of Ceramic Floor Tiles**  
BOYRAZ T., ÖNEN U., TAPİK Ş.  
4. International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC'21), Nevşehir, Turkey, 28 - 30 May 2021
- IX. Investigation of The Effect of Vermiculite (Yıldızeli/Sivas) Addition on The Properties of Ceramic Brick**  
BOYRAZ T., ÖNEN U., TAPİK Ş.  
Global Conference on Engineering Research (GLOBECER'21), Bandırma, 2 - 05 June 2021
- X. Fabrication, Characterization and Wear Properties of Mullite Reinforced Al<sub>2</sub>O<sub>3</sub>-Doped ZrO<sub>2</sub> Ceramic Composites**  
Hafizoğlu M. A., Akkuş A., Boyraz T.  
1nd. Global Conference on Engineering Research (GLOBECER'21), Balıkesir, Turkey, 2 - 05 June 2021, pp.673-682

- XI. **Radiation Attenuation Properties Of Aluminum Titanate-Spinel Composites For Co-60 Gamma Source**  
Görkem Ç., TUĞRUL A. B., ÖNEN U., BOYRAZ T., BÜYÜK B.  
21st International Conference Materials, Methods Technologies, Burgas, Bulgaria, 1 - 05 July 2019, pp.145-152
- XII. **An Investigation of Aluminum Titanate-Spinel Composites Behavior in Radiation**  
Cevikbas G., Tugrul A. B., Onen U., Boyraz T., Buyuk B.  
4th International Congress in Advances in Applied Physics and Materials Science (APMAS), Fethiye, Turkey, 24 - 27 April 2014, vol.1653
- XIII. **Microstructural Characterization and Thermal Properties of Aluminium Titanate/Talc Ceramic Matrix Composites**  
ÖZSOY E., ÖNEN U., BOYRAZ T.  
4th International Congress on Advances in Applied Physics and Materials Science (APMAS2014), 24 - 27 April 2014
- XIV. **An investigation of aluminum titanate-spinel composites behavior in radiation**  
ÇEVİKBAŞ G., TUĞRUL A. B., ÖNEN U., BOYRAZ T., BÜYÜK B.  
4th International Congress in Advances in Applied Physics and Materials Science, APMAS 2014, 24 - 27 April 2014
- XV. **Microstructural Characterization and Thermal Properties of Aluminium Titanate/Porcelain Ceramic Matrix Composites**  
SAÇLI M., ÖNEN U., BOYRAZ T.  
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## **Congress and Symposium Activities**

ICENAS'21 - International Conference On Engineering, Natural And Applied Science, Attendee, Osmaniye, Turkey, 2021

ICENTE'21- International Conference on Engineering Technologies , Attendee, Konya, Turkey, 2021

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