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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABC-2860-2020

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Education Information

Doctorate, Anadolu University, Fen Bilimleri Enstitüsü, Seramik Mühendisliği (Dr), Turkey 2006 - 2012

Postgraduate, Anadolu University, Fen Bilimleri Enstitüsü, Seramik Mühendisliği (YI) (Tezli), Turkey 2004 - 2006

Undergraduate, Kütahya Dumlupınar University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 1998 - 2003

Dissertations

Doctorate, İmplant malzemelerine antimikrobiyal özellik kazandırılması, Anadolu University, Fen Bilimleri Enstitüsü, Seramik Mühendisliği (Dr), 2012

Postgraduate, Metal iyon katkılı kalsiyumfosfat esaslı antibakteriyel seramik tozun karakterizasyonu ve sitotoksitesinin belirlenmesi, Anadolu University, Fen Bilimleri Enstitüsü, Seramik Mühendisliği (YI) (Tezli), 2006

Research Areas

Metallurgical and Materials Engineering, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Ondokuz Mayıs University, Güzel Sanatlar Fakültesi, Seramik Ve Cam Bölümü, 2014 - Continues

Research Assistant, Ondokuz Mayıs University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2012 - 2014

Research Assistant, Anadolu University, Mühendislik Fakültesi, Malzeme Bilimi Ve Mühendisliği Bölümü, 2004 - 2012

Academic and Administrative Experience

Ondokuz Mayıs University, 2019 - 2022

Ondokuz Mayıs University, 2016 - 2016

Ondokuz Mayıs University, 2015 - 2015

Courses

Biyomalzemeler ve Klinik Uygulamaları, Postgraduate, 2023 - 2024
Biyomalzemeler ve Klinik Uygulamaları, Postgraduate, 2021 - 2022, 2020 - 2021
Seramik-Cam Teknolojisi, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Malzeme Bilgisi ve Üretim Teknolojileri I, Undergraduate, 2021 - 2022, 2020 - 2021
Seramik-Cam Kimyası II, Undergraduate, 2021 - 2022, 2020 - 2021
Seramik Teknolojisi, Doctorate, 2021 - 2022, 2019 - 2020
Bilimsel Araştırma Yöntemleri ve Etik, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Seramik-Cam Kimyası I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Malzeme Bilgisi ve Üretim Teknolojileri II, Undergraduate, 2021 - 2022, 2020 - 2021
Yapı ve Endüstri Seramikleri, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Bilimsel Araştırma Yöntemleri ve Etik, Undergraduate, 2020 - 2021, 2019 - 2020
Seramik Cam Kimyası II, Undergraduate, 2019 - 2020, 2016 - 2017
Seramik Cam Kimyası I, Undergraduate, 2016 - 2017
Temel Bilgisayar ve İletişim Teknolojilerine Giriş, Undergraduate, 2016 - 2017
Bilimsel Araştırma Teknikleri, Undergraduate, 2016 - 2017
Araştırma Methodolojisi, Undergraduate, 2016 - 2017
Seramik-Cam Tasarım II, Undergraduate, 2016 - 2017
Araç-Gereç Bilgisi, Undergraduate, 2016 - 2017
Seramik-Cam Tasarımına Giriş II, Undergraduate, 2016 - 2017
Bilimsel Araştırma Yöntemleri, Undergraduate, 2015 - 2016
Uzmanlık Alan Dersi, Postgraduate, 2015 - 2016, 2014 - 2015
Seramik Cam Tasarımına Giriş, Undergraduate, 2015 - 2016
Bilimsel ve Sanatsal Araştırma Metodolojisi, Postgraduate, 2015 - 2016, 2014 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Cost-effective and eco-friendly transparent ceramic glazes for porcelain bodies**
Koroglu L., Pekşen C., Ince M., Ayas E.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.59, no.5, pp.1263-1269, 2023 (SCI-Expanded)
- II. **The influence of process parameters on the optical properties of seashell-added ceramic glazes, evaluated using a factorial design**
Pekşen C.
JOURNAL OF CERAMIC PROCESSING RESEARCH, vol.24, no.6, pp.968-976, 2023 (SCI-Expanded)
- III. **The effect of particle size and phosphorous content in biomineralization media on in vitro bioactivity of monticellite based ceramic powders obtained from boron derivative waste**
Koroglu L., Pekşen C.
BOLETIN DE LA SOCIEDAD ESPANOLA DE CERAMICA Y VIDRIO, vol.60, no.2, pp.93-108, 2021 (SCI-Expanded)
- IV. **Utilization of seashells in matte glaze preparation**
Pekşen C., Koroglu L., Kartal H.
INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, vol.17, no.4, pp.1940-1947, 2020 (SCI-Expanded)
- V. **Silver ion doped ceramic nano-powder coated nails prevent infection in open fractures: In vivo study**
KÖSE N., Çaylak R., Pekşen C., Kiremitçi A., Burukoglu D., Koparal S., Doğan A.
Injury, vol.47, no.2, pp.320-324, 2016 (SCI-Expanded)
- VI. **Analyses of the modulatory effects of antibacterial silver doped calcium phosphate-based ceramic nano-powder on proliferation, survival, and angiogenic capacity of different mammalian cells in vitro**
Bostancioglu R. B., Pekşen C., Genc H., Gürbüz M., BAYRAKCI KAREL F., KOPARAL A. T., DOĞAN A., KÖSE N.,

KOPARAL A. T.

BIOMEDICAL MATERIALS, vol.10, no.4, 2015 (SCI-Expanded)

- VII. **A silver ion-doped calcium phosphate-based ceramic nanopowder-coated prosthesis increased infection resistance basic research**

KÖSE N., Otuzbir A., Pekşen C., Kiremitçi A., Doğan A.

Clinical Orthopaedics and Related Research, vol.471, no.8, pp.2532-2539, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Usage of Frit in Ceramic Bodies**

UYSAL S., PEKŞEN C.

Art vision (Online), vol.29, no.50, pp.104-114, 2023 (Peer-Reviewed Journal)

- II. **Application of Boron Derivative Waste Containing Transparent Glazes on Ceramic Bodies**

KOROĞLU L., PEKŞEN C., İnce M., AYAS E.

Çukurova Üniversitesi Mühendislik Fakültesi dergisi, vol.37, no.4, pp.1031-1038, 2022 (Peer-Reviewed Journal)

- III. **3B Yazıcıların Kemik Doku İskeleleri Tasarımına Etkisi**

Ekmekçioğlu D., Pekşen C.

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.9, no.1, pp.1-11, 2021 (Peer-Reviewed Journal)

- IV. **The Replacement of Seashells with Calcite in White Ceramic Glaze Preparation**

PEKŞEN C., KÖROĞLU L.

SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.24, no.5, pp.956-964, 2020 (Peer-Reviewed Journal)

- V. **Simenit Gölü Kumunun Seramik Sırlarında Renklendirici Olarak Kullanımının Araştırılması**

ÖGE D., PEKŞEN C.

Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.35, no.3, pp.797-804, 2020 (Peer-Reviewed Journal)

- VI. **İmplant dayanımı**

PEKŞEN C., DOĞAN A.

Türk Ortopedi ve Travmatoloji Birliği Derneği (TOTBİD) Dergisi, vol.10, no.2, pp.122-128, 2011 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **The Use of Seashell Calcined at Different Temperatures for Artistic Contribution in Ceramic Glazes**

ÖGE D., PEKŞEN C.

5th International Conference on Research in Engineering, Technology and Science (ICRETS), Budapest, Hungary, 6 - 09 July 2023

- II. **UTILIZATION OF SINOP SAND IN CERAMIC CASTING SLURRY**

PEKŞEN C., ÖGE D., AYAS E.

5th International Conference on Research in Engineering, Technology and Science (ICRETS), Budapest, Hungary, 06 July 2023

- III. **Optical Properties of Seashell Incorporated Ceramic Glazes Applied on The Surface of Different Fired Clay Bodies**

KÖROĞLU L., PEKŞEN C.

9th International Conference on Advanced Technologies (ICAT'xx20), 10 - 12 August 2020

- IV. **Samsun Terme Simenit Kumu İlaveli Sır Kompozisyonlarının Seramik Yüzeylerde Kullanımı**

PEKŞEN C., ÖGE D.

4th International Symposium on Innovative Approaches in Engineering and Natural Sciences, Turkey, 22 November 2019

- V. **3D Baskı Teknolojisi ile Birlikte Tasarımın Biyomalzeme Uygulamalarındaki Etkisi**
EKMEKÇİOĞLU D., PEKŞEN C., EKMEKÇİOĞLU S.
4th International Symposium on Innovative Approaches, in Architecture, Planning and Design, 22 - 24 November 2019
- VI. **The Influence of Particle Size on In Vitro Bioactivity of Monticellite Based Ceramic Powders Obtained from Boron Derivative Waste**
KÖROĞLU L., PEKŞEN C.
24th Biomedical Science and Technology Symposium, İzmir, Turkey, 17 - 20 October 2019
- VII. **In Vivo Behaviour of AG Ion Doped Calcium Phosphate based Ceramic Powder Coating on Ti6Al4V Implants**
PEKŞEN C., ÇAYLAK R., KÖSE N., DOĞAN A.
4th International Conference Expo on Ceramics Composites Materials, ROMA, Italy, 14 - 15 May 2018
- VIII. **Usage Of Boron Waste In Transparent Glazes**
Tonza F., Pekşen C., Ayas E.
4th International Conference and Expo on Ceramics Composite Materials, Rome, Italy, 14 - 15 May 2018, vol.6, pp.66
- IX. **Silver Ion Doped Calcium Phosphate Based Ceramic Coated External Fixator Pins For Preventing Implant Related Infection**
KÖSE N., KÖSE A. A., PEKŞEN C., KOPARAL A. T., SEVENCAN A., DOĞAN A.
APOA 2018, 11 - 14 April 2018
- X. **Silver ion doped calcium phosphate based ceramic coated external fixator pins for preventing implant related infection**
KÖSE N., KÖSE A. A., PEKŞEN C., KOPARAL A. T., SEVENCAN A., DOĞAN A.
APOA2018, 11 - 14 April 2018
- XI. **A Novel Approach for Synthesis of Monticellite (CaMgSiO₄) Based Bioactive Ceramic Powders Obtained from Boron Derived Waste**
KÖROĞLU L., PEKŞEN C., AYAS E.
41st International Conference and Expo on Advanced Ceramics and Composites, Florida, United States Of America, 22 - 27 January 2017
- XII. **Electrospray Deposition of Antimicrobial Powder Bioactive Glass Composites on Ti6Al4V implants**
PEKŞEN C., GÜRBÜZ M., DOĞAN A.
ANNIC 2016, BARCELONA, 9 - 11 November 2016, pp.68
- XIII. **Electrospray Deposition of Antimicrobial Nano Powder Bioactive Glass Composites on Ti6Al4V Implants**
PEKŞEN C., GÜRBÜZ M., DOĞAN A.
Applied Nanotechnology and Nanoscience International Conference 2016, 9 - 11 November 2016
- XIV. **GÜMÜŞ KATKILI HİDROKSİAPATİT İLE KAPLAMA İMPLANT İLİŞKİLİ ENFEKSİYONLARIN ÖNLENMESİNDE ETKİLİ VE GÜVENİLİR BİR YÖNTEMDİR**
ÇAYLAK R., KÖSE N., PEKŞEN C., KİREMİTÇİ A., İNAN U., DOĞAN A.
22. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Antalya, Turkey, 31 October 2011, pp.27
- XV. **Kompozit Malzemeler ve Nano Boyutlu Antibakteriyel Seramik Toz Katkılı Kompozitlerin Havacılık Sektöründe Kullanımı**
GÜRBÜZ M., gençoğlu o., DURMUŞ A., KOLBAKIR F., PEKŞEN C., ÜREYEN M. E., KOPARAL A. S., DOĞAN A.
III. Ulusal Havacılık ve Uzay Konferansı, UHUK 2010, Turkey, 16 - 18 September 2010, pp.1-6

Metrics

Publication: 28

Citation (WoS): 121

Citation (Scopus): 150

H-Index (WoS): 4

H-Index (Scopus): 4