

Prof. ZAFER EVİS

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Rensselaer Polytechnic Institute, Mühendislik Bilimi, United States Of America 2000 - 2003

Postgraduate, Rensselaer Polytechnic Institute, Malzeme Muh, United States Of America 1998 - 1999

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 1991 - 1996

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, biyoseramikler, Rensselaer Polytechnic Institute, Mühendislik Bilimi, 2003

Postgraduate, biyoseramikler, Rensselaer Polytechnic Institute, Malzeme Muh, 1999

Research Areas

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

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Engineering Sciences, 2015 -
Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Engineering Sciences, 2010
- 2015

Academic and Administrative Experience

Advising Theses

Keskin D., Evis Z., Ba doped baghdadite, PHBV/PCL, Composite scaffolds, Bone tissue engineering, Postgraduate, S.Sadreddini(Student), 2023

Tezcaner A., Evis Z., Composite boron doped hydroxyapatite-tricalcium phosphate/alginate/gelatin hydrogel coating on titanium implants: Osseointegration and immunomodulation study, Doctorate, A.ENGİN(Student), 2022

EVİS Z., Experimental and numerical investigation of mechanical properties of additively manufactured auxetic structures, Postgraduate, M.TAŞDEMİR(Student), 2022

EVİS Z., Production and characterization of simple, face-centered and diamond cubic lattices by fused deposition modeling using polylactic acid, Postgraduate, A.DÖNMEZ(Student), 2022

Keskin D., Evis Z., Fabrication and evaluation of sulfonated poly(ether ether ketone) and fluoridated hydroxyapatite composite scaffolds for bone tissue engineering, Postgraduate, A.NOSRATINIA(Student), 2022

EVİS Z., Lanthanum doped dicalcium phosphate mixed with graphene oxide bone cements as a potential material in biomedical applications, Doctorate, A.MOTAMENİ(Student), 2021

EVİS Z., Re-entrant şekilli özketik yapıların ve bor nitrid katkılı filamentlerin katmanlı imalat ile üretimi ve karakterizasyonu, Postgraduate, A.TAHA(Student), 2021

EVİS Z., Coating of bismuth and carbonate doped hydroxyapatite on acid etched Ti6Al4V via biomimetic method; investigation of mechanical, structural and biological properties, Doctorate, T.HACIOĞLU(Student), 2018

EVİS Z., Microstructural, biological and mechanical investigations of hydroxyapatite- beta-tricalcium phosphate composites doped with strontium and fluoride, Postgraduate, E.POURREZA(Student), 2016

EVİS Z., Microstructural, biological and mechanical investigations of hydroxyapatite-β-tricalcium phosphate composites doped with strontium and fluoride, Postgraduate, E.Pourreza(Student), 2016

EVİS Z., AYDINOL M. K., Development and characterization of high power density cathode materials for lithium-ion batteries, Doctorate, Ş.DOĞU(Student), 2015

EVİS Z., Surface morphology investigation of a biodegradable magnesium alloy, Doctorate, A.TAHMASEBİFAR(Student), 2015

EVİS Z., Strontium doped calcium phosphate biomimetic coatings on Ti6Al4V plates, Postgraduate, M.AVCI(Student), 2015

EVİS Z., Manufacturing, mechanical and microstructural characterization of AZ91D magnesium alloy for biomedical applications, Postgraduate, S.MURAT(Student), 2015

EVİS Z., A study on development of machinable calcium phosphate based bio-composites with zirconia, boron oxide and lanthanum oxide, Postgraduate, S.KHOSHSIMA(Student), 2015

EVİS Z., BANERJEE S., Selenium doped calcium phosphate biomimetic coating on Ti6Al4V orthopedic implant material for anti-cancer and anti-bacterial purposes, Doctorate, B.YILMAZ(Student), 2014

EVİS Z., Hidroksiapatit ve yarı kararlı zirkonya kompozitlerine itriyum florür (YF3) ilavesinin iç yapı ve mekanik özelliklerine etkisinin incelenmesi, Postgraduate, A.AYKUL(Student), 2013

EVİS Z., An experimental study of mechanical properties of non enzymatically glycated bovine femur cortical bone, Doctorate, G.FINDIKOĞLU(Student), 2012

EVİS Z., Nano calcium phosphates doped with titanium and fluoride ions: Sinterability and stability of phases, Doctorate, S.GÜNGÖR(Student), 2012

EVİS Z., The synthesis of zinc, chloride and fluoride doped nano hydroxylapatites by precipitation method and investigation of their mechanical, structural and biological properties, Postgraduate, İ.UYSAL(Student), 2011

EVİS Z., An investigation of the microstructural and mechanical properties of tri-calcium phosphates doped with aluminum and fluoride ions, Postgraduate, A.TAHMASEBİFAR(Student), 2011

EVİS Z., DURUCAN C., An investigation of microstructure, microhardness and biocompatibility characteristics of yttrium hydroxyapatite doped with fluoride, Postgraduate, S.MİNE(Student), 2010

DURUCAN C., EVİS Z., Structural and mechanical investigations of magnesium and fluoride doped nano calcium phosphates, Postgraduate, Z.PINAR(Student), 2009

TEZCANER A., EVİS Z., Structural, mechanical, and biocompatibility investigations of yttrium and fluoride doped nano hydroxyapatite, Postgraduate, B.BAŞAR(Student), 2009

EVİS Z., Prediction of hexagonal lattice parameters of stoichiometric and non-stoichiometric apatites by artificial neural networks, Postgraduate, Ü.KOÇKAN(Student), 2009

Jury Memberships

Academic Staff Examination, Academic Staff Examination, Istanbul Technical University, February, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Methods to improve antibacterial properties of PEEK: A review**
Uysal I., TEZCANER A., EVİS Z.
Biomedical Materials (Bristol), vol.19, no.2, 2024 (SCI-Expanded)
- II. **Structural comparison of conventional and chiral auxetic morphed aircraft rib**
Inan C. Y., EVİS Z., Ozturk B.
Materialpruefung/Materials Testing, vol.66, no.1, pp.56-65, 2024 (SCI-Expanded)
- III. **Influence of strut angle and radius on the energy absorption and failure mechanisms in 3-strut, 4-strut and 6-strut lattice structures**
Ture M. O., EVİS Z.
Materialpruefung/Materials Testing, 2024 (SCI-Expanded)
- IV. **Fibroin reinforced, strontium-doped calcium phosphate silicate cements for bone tissue engineering applications**
Işık G., PAZARÇEVİREN A. E., EVİS Z., TEZCANER A.
Journal of Materials Research, vol.38, no.23, pp.5017-5031, 2023 (SCI-Expanded)
- V. **Novel barium-doped-baghdadite incorporated PHBV-PCL composite fibrous scaffolds for bone tissue engineering**
Sadreddini S., Jodati H., Evis Z., Keskin D.
JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.148, 2023 (SCI-Expanded)
- VI. **Machining parameters and distortion analyses in end milling of AA2050 and AA7050**
Ates E., EVİS Z., ÖZTÜRK F.
International Journal of Advanced Manufacturing Technology, vol.128, no.7-8, pp.2915-2929, 2023 (SCI-Expanded)
- VII. **Boron nitride nanofiber/Zn-doped hydroxyapatite/polycaprolactone scaffolds for bone tissue engineering applications**
Turhan E. A., Akbaba S., TEZCANER A., EVİS Z.
Biomaterials Advances, vol.148, 2023 (SCI-Expanded)
- VIII. **Alginate/gelatin/boron-doped hydroxyapatite-coated Ti implants: in vitro and in vivo evaluation of osseointegration**
Pazarçeviren A. E., Evis Z., Dikmen T., Altunbaş K., Yaprakçı M. V., Keskin D., Tezcaner A.
Bio-Design and Manufacturing, vol.6, no.3, pp.217-242, 2023 (SCI-Expanded)
- IX. **3D porous bioceramic based boron-doped hydroxyapatite/baghdadite composite scaffolds for bone tissue engineering**
Jodati H., EVİS Z., TEZCANER A., Alshemary A. Z., Motameni A.
Journal of the Mechanical Behavior of Biomedical Materials, vol.140, 2023 (SCI-Expanded)
- X. **Additive manufacturing of hexagonal lattice structures: Tensile tests and validation**
Ture M. O., EVİS Z., ÖZTÜRK F.
Materialpruefung/Materials Testing, vol.65, no.4, pp.505-511, 2023 (SCI-Expanded)
- XI. **Synthesis of baghdadite using modified sol-gel route and investigation of its properties for bone**

treatment applications

Jodati H., TEZCANER A., EVİS Z., Alshemary A. Z., ÇELİK E.

Journal of the Korean Ceramic Society, vol.60, no.2, pp.381-398, 2023 (SCI-Expanded)

- XII. **Functionalization of graphene oxide quantum dots for anticancer drug delivery**
Mohammed-Ahmed H. K., NAKİPOĞLU M., TEZCANER A., KESKİN D., EVİS Z.
Journal of Drug Delivery Science and Technology, vol.80, 2023 (SCI-Expanded)
- XIII. **Synthesis and characterization of pure and Mg, Cu, Ag, and Sr doped calcium-deficient hydroxyapatite from brushite as precursor using the dissolution-precipitation method**
Lakrat M., Jodati H., Mejdoubi E. M., EVİS Z.
POWDER TECHNOLOGY, vol.413, 2023 (SCI-Expanded)
- XIV. **Graphene oxide reinforced doped dicalcium phosphate bone cements for bone tissue regenerations**
Motameni A., Alshemary A. Z., Dalgic A. D., Keskin D., Evis Z.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.58, no.5, pp.1633-1647, 2022 (SCI-Expanded)
- XV. **Nickel titanium alloys as orthodontic archwires: A narrative review**
Uysal I., Yilmaz B., Atilla A. O., EVİS Z.
Engineering Science and Technology, an International Journal, vol.36, 2022 (SCI-Expanded)
- XVI. **Optimization of spur gear pairs for aerospace applications**
Ocak B., EVİS Z., ÖZTÜRK F.
MATERIALS TESTING, vol.64, no.11, pp.1687-1698, 2022 (SCI-Expanded)
- XVII. **Bactericidal and in vitro osteogenic activity of nano sized cobalt-doped silicate hydroxyapatite**
Alshemary A. Z., Hussain R., Dalgic A. D., EVİS Z.
Ceramics International, vol.48, no.19, pp.28231-28239, 2022 (SCI-Expanded)
- XVIII. **Effects of the doping concentration of boron on physicochemical, mechanical, and biological properties of hydroxyapatite**
Jodati H., TEZCANER A., Alshemary A. Z., Şahin V., EVİS Z.
Ceramics International, vol.48, no.16, pp.22743-22758, 2022 (SCI-Expanded)
- XIX. **Versatile-in-All-Trades: Multifunctional Boron-Doped Calcium-Deficient Hydroxyapatite Directs Immunomodulation and Regeneration**
Pazarçeviren A. E., Akbaba S., Evis Z., Tezcaner A.
ACS Biomaterials Science and Engineering, vol.8, no.7, pp.3038-3053, 2022 (SCI-Expanded)
- XX. **Properties and applications of boron nitride nanotubes**
Turhan E. A., Pazarçeviren A. E., Evis Z., Tezcaner A.
NANOTECHNOLOGY, vol.33, no.24, 2022 (SCI-Expanded)
- XXI. **A Review on Nanocomposites with Graphene Based Fillers in Poly(ether ether ketone)**
Oz Y., Yilmaz B., EVİS Z.
POLYMER SCIENCE SERIES A, vol.64, no.3, pp.145-160, 2022 (SCI-Expanded)
- XXII. **Seamless and robust alginate/gelatin coating on Ti-6Al-4V as a gap filling interphase**
PAZARÇEVİREN A. E., Akbaba S., TEZCANER A., KESKİN D., EVİS Z.
APPLIED SURFACE SCIENCE, vol.581, 2022 (SCI-Expanded)
- XXIII. **3D porous PCL-PEG-PCL / strontium, magnesium and boron multi-doped hydroxyapatite composite scaffolds for bone tissue engineering**
Yedekçi B., Tezcaner A., Yilmaz B., Demir T., Evis Z.
JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.125, 2022 (SCI-Expanded)
- XXIV. **In vitro and in vivo properties of graphene-incorporated scaffolds for bone defect repair**
Jodati H., Yilmaz B., Evis Z.
Ceramics International, vol.47, pp.29535-29549, 2021 (SCI-Expanded)
- XXV. **Effects of biomimetic synthesis route and sintering temperature on physicochemical, microstructural, and mechanical properties of hydroxyapatite**
Kaya Y., Jodati H., Evis Z.
Journal of the Australian Ceramic Society, vol.57, no.4, pp.1117-1129, 2021 (SCI-Expanded)
- XXVI. **Zn-doped hydroxyapatite in biomedical applications**

- Uysal I., Yilmaz B., EVİS Z.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.57, no.3, pp.869-897, 2021 (SCI-Expanded)
- XXVII. **Biomechanical Evaluation of an Injectable Alginate / Dicalcium Phosphate Cement Composites for Bone Tissue Engineering**
Alshemary A. Z., Bilgin S., Işık G., Motameni A., TEZCANER A., EVİS Z.
Journal of the Mechanical Behavior of Biomedical Materials, vol.118, 2021 (SCI-Expanded)
- XXVIII. **A review of synthesis methods, properties and use of monetite cements as filler for bone defects**
Motameni A., Alshemary A. Z., EVİS Z.
CERAMICS INTERNATIONAL, vol.47, no.10, pp.13245-13256, 2021 (SCI-Expanded)
- XXIX. **Radiosensitization induced by zinc-doped hydroxyapatite nanoparticles in breast cancer cells**
Yedekçi F. Y., Gedik E., Evis Z., Dogan L., Özyiğit G., Gurkaynak M.
INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, vol.18, no.3, pp.563-572, 2021 (SCI-Expanded)
- XXX. **Multifunctional natural polymer-based metallic implant surface modifications**
Pazarçeviren A. E., Tezcaner A., Evis Z.
BIOINTERPHASES, vol.16, no.2, 2021 (SCI-Expanded)
- XXXI. **Boron-doped Biphasic Hydroxyapatite/beta-Tricalcium Phosphate for Bone Tissue Engineering**
PAZARÇEVİREN A. E., TEZCANER A., KESKİN D., Kolukisa S. T., Surdem S., EVİS Z.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.199, no.3, pp.968-980, 2021 (SCI-Expanded)
- XXXII. **Lanthanum doped dicalcium phosphate bone cements for potential use as filler for bone defects**
Motameni A., Alshemary A. Z., DALGIÇ A. D., KESKİN D., EVİS Z.
MATERIALS TODAY COMMUNICATIONS, vol.26, 2021 (SCI-Expanded)
- XXXIII. **Additive manufacturing of biodegradable magnesium implants and scaffolds: Review of the recent advances and research trends**
Sezer N., EVİS Z., Koc M.
JOURNAL OF MAGNESIUM AND ALLOYS, vol.9, no.2, pp.392-415, 2021 (SCI-Expanded)
- XXXIV. **Synthesis and sintering of B, Sr, Mg multi-doped hydroxyapatites: Structural, mechanical and biological characterization**
YEDEKÇİ B., TEZCANER A., Alshemary A. Z., Yilmaz B., DEMİR T., EVİS Z.
JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.115, 2021 (SCI-Expanded)
- XXXV. **Effects of surface pretreatments and coating period on hydroxyapatite coating of Ti6Al4V alloy**
HACIOĞLU T., EVİS Z., TEZCANER A., AYDINOL M. K.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.56, no.2, pp.545-557, 2020 (SCI-Expanded)
- XXXVI. **Historical development of simulated body fluids used in biomedical applications: A review**
Yilmaz B., PAZARÇEVİREN A. E., TEZCANER A., EVİS Z.
MICROCHEMICAL JOURNAL, vol.155, 2020 (SCI-Expanded)
- XXXVII. **Synthesis and characterization of magnesium-lanthanum dual doped bioactive glasses**
Jodati H., Guner B., Evis Z., Keskin D., Tezcaner A.
CERAMICS INTERNATIONAL, vol.46, pp.10503-10511, 2020 (SCI-Expanded)
- XXXVIII. **Porous clinoptilolite-nano biphasic calcium phosphate scaffolds loaded with human dental pulp stem cells for load bearing orthopedic applications**
Alshemary A. Z. G., Pazarçeviren A. E., Keskin D., Tezcaner A., Hussain R., Evis Z.
BIOMEDICAL MATERIALS, vol.14, 2019 (SCI-Expanded)
- XXXIX. **Resorbable PCEC/gelatin-bismuth doped bioglass-graphene oxide bilayer membranes for guided bone regeneration**
Pazarçeviren A. E., Evis Z., Keskin D., Tezcaner A.
BIOMEDICAL MATERIALS, vol.14, 2019 (SCI-Expanded)
- XL. **Co-doped hydroxyapatites as potential materials for biomedical applications**
YILMAZ B., ALSHEMARY A. Z. G., EVİS Z.
MICROCHEMICAL JOURNAL, vol.144, pp.443-453, 2019 (SCI-Expanded)
- XLI. **In vitro performance of a nanobiocomposite scaffold containing boron-modified bioactive glass nanoparticles for dentin regeneration**

- Rad R. M., Pazarceviren E., Akguen E. E., Evis Z., Keskin D., Sahin S., Tezcaner A.
JOURNAL OF BIOMATERIALS APPLICATIONS, vol.33, pp.834-853, 2019 (SCI-Expanded)
- XLII. **Investigation of surface structure and biocompatibility of chitosan-coated zirconia and alumina dental abutments**
Kalyoncuoglu U. T., Yilmaz B., Koc S. G., EVİS Z., ARPACI P. U., Kansu G.
CLINICAL IMPLANT DENTISTRY AND RELATED RESEARCH, vol.20, no.6, pp.1022-1029, 2018 (SCI-Expanded)
- XLIII. **Structural and biological assessment of boron doped bioactive glass nanoparticles for dental tissue applications**
Rad R. M., Alshemary A. Z. G., Evis Z., Keskin D., Altunbas K., Tezcaner A.
CERAMICS INTERNATIONAL, vol.44, pp.9854-9864, 2018 (SCI-Expanded)
- XLIV. **Silicate-doped nano-hydroxyapatite/graphene oxide composite reinforced fibrous scaffolds for bone tissue engineering**
DALGIÇ A. D., ALSHEMARY A. Z. G., TEZCANER A., KESKİN D., EVİS Z.
JOURNAL OF BIOMATERIALS APPLICATIONS, vol.32, no.10, pp.1392-1405, 2018 (SCI-Expanded)
- XLV. **Side-Effects of Convulsive Seizures and Anti-Seizure Therapy on Bone in a Rat Model of Epilepsy**
Ustaoglu S. G., EVİS Z., İLBAY G., Boskey A. L., Severcan F.
APPLIED SPECTROSCOPY, vol.72, no.5, pp.689-705, 2018 (SCI-Expanded)
- XLVI. **Physico-chemical and biological properties of hydroxyapatite extracted from chicken beaks**
ALSHEMARY A. Z. G., AKRAM M., TAHA A., TEZCANER A., EVİS Z., HUSSAİN R.
MATERIALS LETTERS, vol.215, pp.169-172, 2018 (SCI-Expanded)
- XLVII. **Investigation of bismuth doped bioglass/graphene oxide nanocomposites for bone tissue engineering**
PAZARÇEVİREN A. E., TAHMASEBİFAR A., TEZCANER A., KESKİN D., EVİS Z.
CERAMICS INTERNATIONAL, vol.44, no.4, pp.3791-3799, 2018 (SCI-Expanded)
- XLVIII. **Review of magnesium-based biomaterials and their applications**
Sezer N., EVİS Z., Kayhan S. M., Tahmasebifar A., Koc M.
JOURNAL OF MAGNESIUM AND ALLOYS, vol.6, no.1, pp.23-43, 2018 (SCI-Expanded)
- XLIX. **Impact of B2O3 and La2O3 addition on structural, mechanical and biological properties of hydroxyapatite**
KHOSHŞİMA S., ALSHEMARY A. Z. G., TEZCANER A., SURDEM S., EVİS Z.
PROCESSING AND APPLICATION OF CERAMICS, vol.12, no.2, pp.143-152, 2018 (SCI-Expanded)
- L. **Fe³⁺/SeO₄²⁻ dual doped nano hydroxyapatite: A novel material for biomedical applications**
ALSHEMARY A. Z. G., PAZARÇEVİREN A. E., TEZCANER A., EVİS Z.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, vol.106, no.1, pp.340-352, 2018 (SCI-Expanded)
- LI. **Strontium doped hydroxyapatite biomimetic coatings on Ti6Al4V plates**
AVCI M., YILMAZ B., TEZCANER A., EVİS Z.
CERAMICS INTERNATIONAL, vol.43, no.12, pp.9431-9436, 2017 (SCI-Expanded)
- LII. **Mechanical, electrochemical and biocompatibility evaluation of AZ91D magnesium alloy as a biomaterial**
Tahmasebifar A., KAYHAN S. M., EVİS Z., TEZCANER A., Cinici H., Koc M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.687, pp.906-919, 2016 (SCI-Expanded)
- LIII. **Early Alterations in Bone Characteristics of Type I Diabetic Rat Femur: A Fourier Transform Infrared (FT-IR) Imaging Study**
Bozkurt O., BİLGİN M. D., EVİS Z., Pleshko N., Severcan F.
APPLIED SPECTROSCOPY, vol.70, no.12, pp.2005-2015, 2016 (SCI-Expanded)
- LIV. **Surface Characterization and Biocompatibility of Selenium-Doped Hydroxyapatite Coating on Titanium Alloy**
Yilmaz B., EVİS Z., TEZCANER A., BANERJEE S.
INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, vol.13, no.6, pp.1059-1068, 2016 (SCI-Expanded)

- LV. Structural, mechanical and biological properties of hydroxyapatite-zirconia-lanthanum oxide composites**
Khoshsima S., Yilmaz B., TEZCANER A., EVİS Z.
CERAMICS INTERNATIONAL, vol.42, no.14, pp.15773-15779, 2016 (SCI-Expanded)
- LVI. Application of Electric Resistance Heating Method on Titanium Hot Forming at Industrial Scale**
Ozturk F., Ece R. E., Polat N., Koksall A., EVİS Z., Sheikh-Ahmad J. Y.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.41, no.11, pp.4441-4448, 2016 (SCI-Expanded)
- LVII. Thermal history and microstructure during friction stir welding of Al-Mg alloy**
Sheikh-Ahmad J. Y., Ozturk F., Jarrar F., EVİS Z.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.86, pp.1071-1081, 2016 (SCI-Expanded)
- LVIII. Experimental and numerical investigations for mechanical and microstructural characterization of micro-manufactured AZ91D magnesium alloy disks for biomedical applications**
Kayhan S. M., TAHMASEBİFAR A., KOÇ M., Usta Y., TEZCANER A., EVİS Z.
MATERIALS & DESIGN, vol.93, pp.397-408, 2016 (SCI-Expanded)
- LIX. Mesoporous strontium doped nano sized sulphate hydroxyapatite as a novel biomaterial for bone tissue applications**
Alshemary A. Z., PAZARÇEVİREN A. E., TEZCANER A., EVİS Z.
RSC ADVANCES, vol.6, no.72, pp.68058-68071, 2016 (SCI-Expanded)
- LX. Surface Characterization and Biocompatibility of SeleniumDoped Hydroxyapatite Coating on Titanium Alloy**
YILMAZ B., TEZCANER A., EVİS Z., BANERJEE S.
Ceramics International, 2016 (SCI-Expanded)
- LXI. A direct role of collagen glycation in bone fracture**
Poundarik A. A., Wu P., Evis Z., Sroga G. E., Ural A., Rubin M., Vashishth D.
JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.52, pp.120-130, 2015 (SCI-Expanded)
- LXII. EVALUATION OF THE CHITOSAN-COATING EFFECTIVENESS ON A DENTAL TITANIUM ALLOY IN TERMS OF MICROBIAL AND FIBROBLASTIC ATTACHMENT AND THE EFFECT OF AGING**
Kalyoncuoglu U. T., Yilmaz B., Gungor S., EVİS Z., UYAR P., AKCA G., Kansu G.
MATERIALI IN TEHNOLOGIJE, vol.49, no.6, pp.925-931, 2015 (SCI-Expanded)
- LXIII. Effect of calcium fluoride on mechanical behavior and sinterability of nano-hydroxyapatite and titania composites**
KUTBAY I., Yilmaz B., EVİS Z., USTA M.
CERAMICS INTERNATIONAL, vol.40, no.9, pp.14817-14826, 2014 (SCI-Expanded)
- LXIV. Co-doping of hydroxyapatite with zinc and fluoride improves mechanical and biological properties of hydroxyapatite**
Uysal I., Severcan F., TEZCANER A., EVİS Z.
PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL, vol.24, no.4, pp.340-349, 2014 (SCI-Expanded)
- LXV. Raman Spectroscopy Investigation of Nano Hydroxyapatite Doped with Yttrium and Fluoride Ions**
Yilmaz B., EVİS Z.
SPECTROSCOPY LETTERS, vol.47, no.1, pp.24-29, 2014 (SCI-Expanded)
- LXVI. ARTIFICIAL-NEURAL-NETWORK PREDICTION OF HEXAGONAL LATTICE PARAMETERS FOR NON-STOICHIOMETRIC APATITES**
Kockan U., Ozturk F., EVİS Z.
MATERIALI IN TEHNOLOGIJE, vol.48, no.1, pp.73-79, 2014 (SCI-Expanded)
- LXVII. Silver and fluoride doped hydroxyapatites: Investigation by microstructure, mechanical and antibacterial properties**
Turkoz M., Atilla A. O., EVİS Z.
CERAMICS INTERNATIONAL, vol.39, no.8, pp.8925-8931, 2013 (SCI-Expanded)
- LXVIII. Characterization by Fourier transform infrared spectroscopy of hydroxyapatite co-doped with zinc**

and fluoride

Uysal I., Severcan F., EVİS Z.

CERAMICS INTERNATIONAL, vol.39, no.7, pp.7727-7733, 2013 (SCI-Expanded)

- LXIX. **Effect of YF3 on the phase stability and sinterability of hydroxyapatite-Partially stabilized zirconia composites**
Aykul A., KUTBAY I., EVİS Z., USTA M.
CERAMICS INTERNATIONAL, vol.39, no.7, pp.7869-7877, 2013 (SCI-Expanded)
- LXX. **Mechanical and microstructural evaluations of hot formed titanium sheets by electrical resistance heating process**
Ozturk F., Ece R. E., Polat N., Koksall A., EVİS Z., Polat A.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.578, pp.207-214, 2013 (SCI-Expanded)
- LXXI. **Structural and mechanical characteristics of hydroxyapatite and tri-calcium phosphates doped with Al³⁺ and F⁻ ions**
Tahmasebifar A., EVİS Z.
JOURNAL OF CERAMIC PROCESSING RESEARCH, vol.14, no.4, pp.549-556, 2013 (SCI-Expanded)
- LXXII. **Structural and mechanical characteristics of nanohydroxyapatite doped with zinc and chloride**
Uysal I., Severcan F., EVİS Z.
ADVANCES IN APPLIED CERAMICS, vol.112, no.3, pp.149-157, 2013 (SCI-Expanded)
- LXXIII. **X-ray investigation of sintered cadmium doped hydroxyapatites**
EVİS Z., Yilmaz B., USTA M., AKTUĞ S. L.
CERAMICS INTERNATIONAL, vol.39, no.3, pp.2359-2363, 2013 (SCI-Expanded)
- LXXIV. **Nanosize hydroxyapatite: doping with various ions**
EVİS Z., Webster T. J.
ADVANCES IN APPLIED CERAMICS, vol.110, no.5, pp.311-320, 2011 (SCI-Expanded)
- LXXV. **Synthesis, phase transitions and cellular biocompatibility of nanophase alumina-hydroxyapatite composites**
BAŞAR B., TEZCANER A., KESKİN D., EVİS Z.
ADVANCES IN APPLIED CERAMICS, vol.110, no.4, pp.238-243, 2011 (SCI-Expanded)
- LXXVI. **Artificial neural network investigation of hardness and fracture toughness of hydroxylapatite**
EVİS Z., Arcaklioglu E.
CERAMICS INTERNATIONAL, vol.37, no.4, pp.1147-1152, 2011 (SCI-Expanded)
- LXXVII. **Synthesis and microstructural characterization of nano-size calcium phosphates with different stoichiometry**
Ergun C., EVİS Z., Webster T. J., Sahin F. C.
CERAMICS INTERNATIONAL, vol.37, no.3, pp.971-977, 2011 (SCI-Expanded)
- LXXVIII. **Microstructure, microhardness, and biocompatibility characteristics of yttrium hydroxyapatite doped with fluoride**
Toker S. M., TEZCANER A., EVİS Z.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, no.2, pp.207-217, 2011 (SCI-Expanded)
- LXXIX. **Structural and mechanical investigations of magnesium and fluoride doped nanosize calcium phosphates**
EVİS Z., Sun Z. P.
JOURNAL OF CERAMIC PROCESSING RESEARCH, vol.11, no.6, pp.701-715, 2010 (SCI-Expanded)
- LXXX. **Diametral strength testing of hydroxyapatites doped with yttrium and fluoride**
EVİS Z., Basar B., Sun Z. P.
ADVANCES IN APPLIED CERAMICS, vol.109, no.7, pp.383-388, 2010 (SCI-Expanded)
- LXXXI. **Microstructural, mechanical, and osteocompatibility properties of Mg²⁺/F⁻-doped nanophase hydroxyapatite**
Sun Z. P., Ercan B., EVİS Z., Webster T. J.

- JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, no.3, pp.806-815, 2010 (SCI-Expanded)
- LXXXII. **Prediction of hexagonal lattice parameters of various apatites by artificial neural networks**
Kockan U., EVİS Z.
JOURNAL OF APPLIED CRYSTALLOGRAPHY, vol.43, pp.769-779, 2010 (SCI-Expanded)
- LXXXIII. **Improvements in microstructural, mechanical, and biocompatibility properties of nano-sized hydroxyapatites doped with yttrium and fluoride**
BAŞAR B., TEZCANER A., KESKİN D., EVİS Z.
CERAMICS INTERNATIONAL, vol.36, no.5, pp.1633-1643, 2010 (SCI-Expanded)
- LXXXIV. **Microstructural investigation of Cu²⁺ doped nanohydroxyapatites**
EVİS Z.
MATERIALS SCIENCE AND TECHNOLOGY, vol.26, no.5, pp.630-632, 2010 (SCI-Expanded)
- LXXXV. **Structural investigation of nanohydroxyapatite doped with Y³⁺ and F⁻ ions**
Basar B., EVİS Z.
MATERIALS SCIENCE AND TECHNOLOGY, vol.25, no.6, pp.794-798, 2009 (SCI-Expanded)
- LXXXVI. **Improvement in sinterability and phase stability of hydroxyapatite and partially stabilized zirconia composites**
EVİS Z., USTA M., KUTBAY I.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.29, no.4, pp.621-628, 2009 (SCI-Expanded)
- LXXXVII. **Effect of AlF₃, CaF₂ and MgF₂ on hot-pressed hydroxyapatite-nanophase alpha-alumina composites**
EVİS Z., Doremus R. H.
MATERIALS RESEARCH BULLETIN, vol.43, no.10, pp.2643-2651, 2008 (SCI-Expanded)
- LXXXVIII. **Hydroxyapatite and zirconia composites: Effect of MgO and MgF₂ on the stability of phases and sinterability**
EVİS Z., USTA M., KUTBAY I.
MATERIALS CHEMISTRY AND PHYSICS, vol.110, no.1, pp.68-75, 2008 (SCI-Expanded)
- LXXXIX. **Investigation of tensile strength of hydroxyapatite with various porosities by diametral strength test**
EVİS Z., Ozturk F.
MATERIALS SCIENCE AND TECHNOLOGY, vol.24, no.4, pp.474-478, 2008 (SCI-Expanded)
- XC. **Analysis of tempering treatment on material properties of DIN 41Cr4 and DIN 42CrMo4 steels**
Bayrak M., Ozturk F., Demirezen M., Evis Z.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.16, no.5, pp.597-600, 2007 (SCI-Expanded)
- XCI. **Effect of YF₃ on hot-pressed hydroxyapatite and monoclinic zirconia composites**
Evis Z., Doremus R. H.
MATERIALS CHEMISTRY AND PHYSICS, vol.105, no.1, pp.76-79, 2007 (SCI-Expanded)
- XCII. **Effect of MgF₂ on hot pressed hydroxylapatite and monoclinic zirconia composites**
Evis Z., Doremus R. H.
JOURNAL OF MATERIALS SCIENCE, vol.42, no.11, pp.3739-3744, 2007 (SCI-Expanded)
- XCIII. **A study of phase stability and mechanical properties of hydroxylapatite-nanosize alpha-alumina composites**
Evis Z., Doremus R. H.
MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS, vol.27, no.3, pp.421-425, 2007 (SCI-Expanded)
- XCIV. **Hot-pressed hydroxylapatite/monoclinic zirconia composites with improved mechanical properties**
Evis Z., Doremus R. H.
JOURNAL OF MATERIALS SCIENCE, vol.42, no.7, pp.2426-2431, 2007 (SCI-Expanded)
- XCV. **Effect of ZrF₄ on hot-pressed hydroxyapatite/monoclinic zirconia composites**
Evis Z., Doremus R. H.
SCRIPTA MATERIALIA, vol.56, no.1, pp.53-56, 2007 (SCI-Expanded)
- XCVI. **Reactions in hydroxylapatite-zirconia composites**
Evis Z.
CERAMICS INTERNATIONAL, vol.33, no.6, pp.987-991, 2007 (SCI-Expanded)

- XCVII. Al₃₊ doped nano-hydroxyapatites and their sintering characteristics**
Evis Z.
JOURNAL OF THE CERAMIC SOCIETY OF JAPAN, vol.114, no.1335, pp.1001-1004, 2006 (SCI-Expanded)
- XCVIII. Increased osteoblast adhesion on nanograined hydroxyapatite and partially stabilized zirconia composites**
Evis Z., Sato M., Webster T. J.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, no.3, pp.500-507, 2006 (SCI-Expanded)
- XCIX. Coatings of hydroxyapatite - nanosize alpha alumina composites on Ti-6Al-4V**
Evis Z., Doremus R.
MATERIALS LETTERS, vol.59, pp.3824-3827, 2005 (SCI-Expanded)
- C. Hydroxylapatite-zirconia composites: Thermal stability of phases and sinterability as related to the CaO-ZrO₂ phase diagram**
Evis Z., Ergun C., Doremus R.
JOURNAL OF MATERIALS SCIENCE, vol.40, no.5, pp.1127-1134, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. Improvement of bioactivity with dual bioceramic incorporation to nanofibrous PCL scaffolds**
Altunordu G., TEZCANER A., EVİS Z., KESKİN D.
MATERIALIA, vol.27, 2023 (ESCI)
- II. Bioprinting: A review of processes, materials and applications**
Yilmaz B., Al Rashid A., Mou Y. A., EVİS Z., Koç M.
Bioprinting, vol.23, 2021 (Scopus)
- III. Effect of storage time on tear strength of extended-pour irreversible hydrocolloid impression materials**
ŞAHİN V., JODATI H., EVİS Z.
Süleyman Demirel Üniversitesi Sağlık Bilimleri Dergisi, vol.9, no.3, pp.26-30, 2018 (Peer-Reviewed Journal)
- IV. Strontium and fluorine co-doped biphasic calcium phosphate: characterization and in vitro cytocompatibility analysis**
Pourreza E., ALSHEMARY A. Z. G., Yilmaz B., Rad R. M., TEZCANER A., EVİS Z.
BIOMEDICAL PHYSICS & ENGINEERING EXPRESS, vol.3, no.4, 2017 (ESCI)
- V. Boron substituted bioceramics A review**
YILMAZ B., EVİS Z.
Bor Dergisi - Journal of Boron, 2016 (Peer-Reviewed Journal)
- VI. Microhardness evaluation of non enzymatically glycosylated bovine femur cortical bone**
FINDIKOĞLU G., EVİS Z.
Journal of Musculoskeletal Research, 2015 (Scopus)

Books & Book Chapters

- I. Biomedical applications of metal oxide-carbon composites**
Alshemary A. Z. G., Motameni A., Evis Z.
in: Metal Oxide-Carbon Hybrid Materials, M. A. Chaudhry, R. Hussain, F. K. Butt, Editor, Elsevier Science, Oxford/Amsterdam, Massachusetts, pp.371-405, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. OPTIMIZATION OF CUTTING PARAMETERS AND MACHINING DISTORTION ANALYSIS FOR AA2050**

Ates E., EVİS Z., ÖZTÜRK F.

31st International Conference on Metallurgy and Materials, METAL 2022, Brno, Czech Republic, 18 - 19 May 2022, pp.611-616

II. EFFECTS OF MANDREL SHANK POSITIONS AND THE GAP VALUES BETWEEN THE MANDREL BALLS AND THE TUBE ON THE THINNING AND THE OVALITY IN ROTARY DRAW BENDING

Ozcan B., EVİS Z., ÖZTÜRK F.

31st International Conference on Metallurgy and Materials, METAL 2022, Brno, Czech Republic, 18 - 19 May 2022, pp.221-226

III. Boron Doped Hydroxyapatite/Tricalcium Phosphate for Bone Tissue Engineering Applications

Pazarçeviren A. E., Keskin D., Tezcaner A., Topsoy Kolkusa S., Evis Z.

24th International Biomedical Science and Technology Symposium, İzmir, Turkey, 17 - 20 October 2019, pp.175

IV. Bor ve Stronsiyum Eş-Katkılı Hidroksiapatitlerin Sentezi ve Mikroyapı Analizi

YEDEKÇİ B., TEZCANER A., YILMAZ B., DEMİR T., ALSHEMERY A. Z. G., EVİS Z.

Boron 2019 Uluslararası Bor Sempozyumu, Nevşehir, Turkey, 17 - 19 April 2019

V. Çift Katmanlı PCEC/Jelatin-Bizmut-Grafen Oksit Membranları ile Güdümlü Kemik Yenilenmesi

Pazarçeviren A. E., Evis Z., Keskin D., Tezcaner A.

23. Biyomedikal Bilim ve Teknoloji Sempozyumu, İstanbul, Turkey, 15 - 16 December 2018, pp.103

VI. Sol-Jel Tekniğiyle Üretilen Akermanit Biyoseramiğinin Mikroyapı İncelemesi

Altınordu G., Evis Z., Tezcaner A., Keskin D.

23. Biyomedikal Bilim ve Teknoloji (BIOMED2018-TR) Sempozyumu, İstanbul, Turkey, 15 - 16 December 2018, pp.61

VII. Periodontal Doku Mühendisliği için Bor ile Modifiye Edilmiş Biyoaktif Cam İçeren İki Katmanlı Kompozit Membranlar.

Moonesi Rad R., Atila D. H., Evis Z., Keskin D., Tezcaner A.

23. Biyomedikal Bilim ve Teknoloji (BIOMED2018-TR) Sempozyumu, İstanbul, Turkey, 15 - 16 December 2018, pp.100

VIII. Mechanical properties of polymer/bioceramics based 3D porous scaffolds in hard tissue engineering
EVİS Z.

1st International Conference on Advances in Mechanical and Mechatronics Engineering, Ankara, Turkey, 8 - 09 November 2018

IX. Graphene oxide / brushite cement: promising composites for load bearing bone substitutes

ALSHEMERY A. Z. G., EVİS Z.

2nd International Conference on Materials Science and Research, Frankfurt, Germany, 26 - 27 September 2018

X. Evaluation of boron modified bioactive glass nanoparticles incorporated nanocomposited scaffolds for dentin tissue engineering.

Tezcaner A., Moonesi Rad R., Keskin D., Şahin S., Evis Z.

29th Annual Congress of the European Society for Biomaterials, Maastricht, Netherlands, 9 - 13 September 2018, pp.362

XI. Graphene Oxide Incorporated Silicate Doped Nano-hydroxyapatite Novel Composite for Bone Tissue Engineering

Dalgıç A. D., Alshemary A. Z. G., Tezcaner A., Keskin D., Evis Z.

4. International Society for Biomedical Polymers and Polymeric Biomaterials (ISBPPB) conference, Praha, Czech Republic, 4 - 05 June 2018, pp.116

XII. Potential applications of polymer/nanocrystalline hydroxyapatite based scaffolds in tissue engineering: effect of porosity

EVİS Z.

1st International Conference of Advanced Materials and Manufacturing Technologies, safranbolu, Turkey, 25 - 27 October 2017

XIII. Enhancement of mechanical properties of co-doped hydroxyapatite coatings on pre-treated Ti6Al4V
HACIOĞLU t., EVİS Z., TEZCANER A.

1st International Conference of Advanced Materials and Manufacturing Technologies, Karabük, Turkey, 25 - 27

October 2017

- XIV. **Characterization and in vitro bioactivity of multisubstituted hydroxyapatite nanopowders**
ALSHEMARY A. Z. G., EVİS Z.
1st International Conference of Advanced Materials and Manufacturing Technologies, safranbolu, Turkey, 25 - 27 October 2017
- XV. **Polymer/nanocrystalline hydroxyapatite based scaffolds for tissue engineering applications**
EVİS Z.
3rd International Porous Powder Materials Symposium Exhibition, kuşadası, Turkey, 12 - 15 September 2017
- XVI. **Cr3/SiO44- codoped hydroxyapatite nanorods: fabrication and microstructure analysis**
ALSHEMARY A. Z. G., EVİS Z.
ICNNN 2017: 19th International conference on nanobiotechnology, nanodevices and nanodrugs, roma, Italy, 17 - 18 July 2017
- XVII. **Management of desalination brine in Qatar and the GCC countries**
sezer n., EVİS Z., KOÇ M.
10th International Conference in Sustainable Energy Environmental Protection, Bled, Slovenia, 27 - 30 June 2017
- XVIII. **Investigation of Osteogenic Potential of Silicate Hydroxyapatite Particles In Electrospun PCL Scaffold**
DALGIÇ A. D., ALSHEMARY A. Z. G., TEZCANER A., EVİS Z., KESKİN D.
22nd International Biomedical Science and Technology Symposium, 12 - 14 May 2017
- XIX. **Evaluation of cytotoxicity effect of boron modified bioactive glass nanoparticles on human dental pulp stem cells**
MOONESİ RAD R., ALSHEMARY A. Z. G., KESKİN D., EVİS Z., SILA Ş., TEZCANER A.
22nd International Biomedical Science and Technology Symposium, Ankara, Turkey, 12 - 14 May 2017
- XX. **Microstructure Analysis of Cu2/SiO4 4- Co-doped Nanohydroxyapatite**
ÖNCÜ S., YEDEKÇİ B., ALSHEMARY A. Z. G., TEZCANER A., KESKİN D., EVİS Z.
22nd Biomedical Science and Technology Symposium, 12 - 14 May 2017
- XXI. **Effect of Gelling Agent's Viscosity on the Tear Strength of Irreversible Hydrocolloid Dental Impression Materials**
ŞAHİN V., JODATI H., EVİS Z.
Society for Biomaterials 2017 Annual Meeting Exposition, Minneapolis, United States Of America, 5 - 08 April 2017
- XXII. **Turkish Vision for Science Technology and Innovation Pakistan YÖK üyelerine sunum yapıldı**
Hacialioglu S., EVİS Z.
TUBİTAK-TUSSİDE, 03 November 2016
- XXIII. **Effect of Topography on Corrosion Rate and Biocompatibility of a Mg Alloy as a Biomaterial**
tahmasebifar a., kayhan s. m., KOÇ M., EVİS Z.
Materials Science and Technology (MS&T), 23 - 27 October 2016
- XXIV. **Oturum 1 Panel Daha iyi bir gelecek için açık bilim Açık veri açık erişim açık inovasyon Panel yöneticisi Prof Dr Zafer Evis Panelistler Prof Dr Bülent Karasözen Prof Dr Yusuf Baran Dr Arsev Umur Aydınoglu**
EVİS Z.
5. Ulusal Açık Erişim Konferansı, Turkey, 27 October 2016
- XXV. **Macroporous boron modified bioactive glass scaffolds for hard tissue engineering**
moonesi rad r., alshemary a., KESKİN D., EVİS Z., şahin s., TEZCANER A.
Uluslararası Katılımlı 8. Ulusal Biyomekanik Kongresi, Turkey, 19 - 23 October 2016
- XXVI. **Preparation of orthopedic implant by coating bismuth and carbonate doped hydroxyapatite onto acid etched Ti6Al4V via biomimetic method**
EVİS Z., TEZCANER A., aktar t.
Uluslararası Katılımlı 8. Ulusal Biyomekanik Kongresi, Turkey, 19 - 23 October 2016
- XXVII. **Preparation of a nanobiocomposite scaffold containing boron modified bioactive glass nanoparticles and biopolymers of cellulose acetate pullulan gelatin and evaluation of its application in dentin tissue engineering**
moonesi rad r., KESKİN D., EVİS Z., erdogan e., şahin s., TEZCANER A.

- International Conference on Polymer Science & Engineering, United States Of America, 22 - 24 August 2016
- XXVIII. **Preparation of a Nanobiocomposite Scaffold Containig Boron Modified Bioactive Glass Nanoparticles and Biopolymers of Cellulose acetate Pullulan Gelatin and Evaluation of its Application in Dentin Tissue Engineering**
RAD MOONESİ R., KESKİN D., EVİS Z., ERDOĞAN E., ŞAHİN S., TEZCANER A.
International Conference on Polymer Science and Engineering, 22 - 24 August 2016
- XXIX. **Ulusal Akademik Ar Ge Proje Destekleri İş Sağlığı ve Güvenliği Projeleri**
EVİS Z.
8. İş Sağlığı ve Güvenliği Konferansı, 8 - 11 May 2016
- XXX. **Strontium doped calcium phosphate biomimetic coating on Ti6Al4V plates**
AVCI M., TEZCANER A., EVİS Z.
IX. Uluslararası Katılımlı Seramik Kongresi, Turkey, 26 - 28 November 2015
- XXXI. **Coating of hydroxyapatite onto surface modified Ti6Al5V plates via biomimetic method and structural analysis**
AKTAR T., EVİS Z.
IX. Uluslararası Katılımlı Seramik Kongresi, Turkey, 26 - 28 November 2015
- XXXII. **Etkili Ders Çalışıyor Muz**
EVİS Z.
Tubitak, Bilim Genç Söyleşi, Turkey, 12 November 2015
- XXXIII. **Boron Modified Nano Bioactive Glass Incorporated Polymeric Microspheres for Hard Tissue Engineering**
MOONESİ RAD R., GÜLDİKEN M., KESKİN D., EVİS Z., ŞAHİN S., TEZCANER A.
21st Biomaterials Science and Technology Symposium, 22 - 24 October 2015
- XXXIV. **Asymmetric bi layer composite membrane containing Boron modified nano bioactive glass for guided bone regeneration**
MOONESİ REZA R., ATİLA D. H., KESKİN D., EVİS Z., TEZCANER A.
4th International Conference and Exhibition on Materials Science and Engineering, 14 - 16 September 2015, vol.4, pp.4
- XXXV. **Mechanical investigation of AZ91D magnesium alloy as a biomedical implant**
TAHMASEBİFAR A., KAYHAN S. M., EVİS Z., KOÇ M.
24th International Conference on Metallurgy and Materials (METAL 2015), 3 - 05 June 2015
- XXXVI. **MICROSTRUCTURAL CHARACTERISTIC OF NANO CALCIUM PHOSPHATES DOPED WITH FLUORIDE AND TITANIUM IONS**
Gungor S., EVİS Z.
Materials Science and Technology Conference and Exhibition (MS&T), Montreal, Canada, 27 - 31 October 2013, vol.251, pp.31-43
- XXXVII. **The side-effects of convulsive epileptic seizures and Carbamazepine therapy on bone tissues of genetically-induced epileptic rats: An FTIR imaging and biomechanical study**
Garip S., EVİS Z., İLBAY G., Boskey A. L., Severcan F.
Experimental Biology Meeting 2011, Washington, Kiribati, 9 - 13 April 2011, vol.25
- XXXVIII. **Finite element simulation of diametral strength test of hydroxyapatite**
ÖZTÜRK F., EVİS Z., Toros S.
International Conference on Advances in Materials and Processing Technologies, AMPT2010, Paris, France, 24 - 27 October 2010, vol.1315, pp.259-264
- XXXIX. **Investigation of microstructure, microhardness and biocompatibility characteristics of yttrium and fluoride doped hydroxyapatite İtiryum ve flor ilave edilmiş hidroksiapatitin mikroyapi, mikrosertlik ve biyouyumluluk yönlerinden incelenmesi**
TOKER S. M., EVİS Z., TEZCANER A.
2010 15th National Biomedical Engineering Meeting, BIYOMUT2010, Antalya, Turkey, 21 - 24 April 2010
- XL. **Structural investigation of nano hydroxyapatites doped with Mg²⁺ and F⁻ ions**
Sun Z., EVİS Z.

Advances in Bioceramics and Porous Ceramics II - 33rd International Conference on Advanced Ceramics and Composites, Daytona Beach, FL, United States Of America, 18 - 23 January 2009, vol.30, pp.25-33

XLI. STRUCTURAL INVESTIGATION OF NANO HYDROXYAPATITES DOPED WITH Mg(2+) AND F(-) IONS
Sun Z. P., EVİS Z.

33rd International Conference on Advanced Ceramics and Composites, Florida, United States Of America, 18 - 23 January 2009, vol.30, pp.25-33

Supported Projects

Pazarçeviren A. E., Tezcaner A., Evis Z., Keskin D., Altunbaş K., Yaprakçı M. V., BOREN, Ulusal Bor Araştırma Enstitüsü Projesi, Bor Katkılı Hidroksiapatit ve Trikalsiyum Fosfatın Aljinat ile Beraber Titanyum Alaşımı Üzerine Kaplanması: Mikroyapı, Mekanik, İn vitro ve İn vivo Özelliklerinin İncelenmesi, 2018 - 2022

EVİS Z., JODATİ H., Project Supported by Higher Education Institutions, DİŞ HEKİMLİĞİ KULLANIMINA UYGUN TOZSUZ VE UZATILMIŞ MODEL ELDE ETME SÜRESİNE SAHİP İRREVERSİBLE HİDROKOLLOID ÖLÇÜ MALZEMESİ ÜRETİMİ, 2018 - 2019

EVİS Z., YEDEKÇİ B., Project Supported by Higher Education Institutions, KEMİK DOKU MÜHENDİSLİĞİ İÇİN PCL-PEG-PCL/ STRONSIYUM VE MAGNEZYUM İYONLARI İLAVE EDİLMİŞ BOR KATKILI HİDROKSİAPATİT İLE 3 BOYUTLU GÖZENEKLİ KOMPOZİT İSKELE ÜRETİMİ, 2018 - 2019

Evis Z., Şahin V., TUBITAK Project, Diş hekimliği kullanımına uygun tozsuz ve uzatılmış model elde etme süresine sahip irreversible hidrokolloid ölçü malzemesi üretimi, 2015 - 2018

EVİS Z., Project Supported by Higher Education Institutions, KEMİK DOKU MÜHENDİSLİĞİ İÇİN PCL-PEG-PCL/STRONSIYUM VE MAGNEZYUM İYONLARI İLAVE EDİLMİŞ BOR KATKILI HİDROKSİAPATİT İLE 3 BOYUTLU GÖZENEKLİ KOMPOZİT İSKELE ÜRETİMİ, 2017 - 2017

EVİS Z., Project Supported by Higher Education Institutions, DİŞ HEKİMLİĞİ KULLANIMINA UYGUN TOZSUZ VE UZATILMIŞ MODEL ELDE ETME SÜRESİNE SAHİP İRREVERSİBLE HİDROKOLLOID ÖLÇÜ MALZEMESİ ÜRETİMİ, 2017 - 2017

EVİS Z., Project Supported by Higher Education Institutions, Bizmut Eklenmiş Kalsiyum Fosfat'ın Biyomimetik Yöntemle Asitle Aşındırılmış Ti6Al4V Plakasının Üzerine Kaplanarak Ortopedik İmplant Kaplamasının Gerçekleştirilmesi; Mekanik, Yapısal ve Biyolojik İncelenmesi, 2016 - 2017

EVİS Z., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

EVİS Z., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

EVİS Z., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

EVİS Z., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

EVİS Z., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

EVİS Z., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

EVİS Z., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

EVİS Z., Avcı M., Yılmaz B., Project Supported by Higher Education Institutions, Ti6Al4V plakaların biyomimetik yöntem ile farklı Ca/P oranlarında kalsiyumfosfat ile kaplanması, 2014 - 2014

EVİS Z., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

EVİS Z., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

EVİS Z., TAHMASEBİFAR A., Project Supported by Higher Education Institutions, MİKRO-YÜZEY YAPILI MAGNEZYUM-TABANLI İMPLANT TASARIMI VE TEST EDİLMESİ, 2013 - 2013

EVİS Z., Project Supported by Higher Education Institutions, Enzimatik Olmayan Yolla Glikolize Olan İnek Kemik Dokusunun Mekanik Özelliklerinin Belirlenmesi, 2010 - 2010

Activities in Scientific Journals

BOR DERGİSİ, First Editor, 2020 - Continues

Memberships / Tasks in Scientific Organizations

TÜBA, Associate Member, 2015 - Continues

Scientific Refereeing

MICROSCOPY RESEARCH AND TECHNIQUE, Journal Indexed in SCI-E, December 2022
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, SCI Journal, December 2022
MATERIALS CHEMISTRY AND PHYSICS, SCI Journal, December 2022
HELIYON, National Scientific Refreed Journal, December 2022
ADVANCED MATERIALS INTERFACES, Journal Indexed in SCI-E, December 2022
MATERIALS SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, December 2022
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, SCI Journal, December 2022
MATERIALS CHEMISTRY AND PHYSICS, SCI Journal, December 2022
TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, December 2022
MATERIALS TODAY COMMUNICATIONS, SCI Journal, September 2022
CERAMICS INTERNATIONAL, SCI Journal, September 2022
MATERIALS SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, August 2022
INTERNATIONAL JOURNAL OF BIOMATERIALS, Journal Indexed in ESCI, July 2022
JOURNAL OF RARE EARTHS, SCI Journal, July 2022
Results in Engineering, SCI Journal, July 2022
Journal of Asian Ceramic Societies, SCI Journal, June 2022
ACS BIOMATERIALS SCIENCE & ENGINEERING, SCI Journal, June 2022
INTERNATIONAL JOURNAL OF MINERALS, METALLURGY AND MATERIALS, SCI Journal, May 2022
RADIATION EFFECTS AND DEFECTS IN SOLIDS, SCI Journal, May 2022
Surfaces and Interfaces, SCI Journal, April 2022
HELIYON, SCI Journal, April 2022
Journal of Magnesium and Alloys, SCI Journal, April 2022
MATERIALS SCIENCE AND ENGINEERING C, SCI Journal, January 2022
MATERIALS TODAY COMMUNICATIONS, SCI Journal, January 2022
PROCESSING AND APPLICATION OF CERAMICS, SCI Journal, January 2022
MATERIALS CHEMISTRY AND PHYSICS, SCI Journal, January 2022
CERAMICS INTERNATIONAL, SCI Journal, November 2021
Journal of Magnesium and Alloys, SCI Journal, November 2021
AMERICAN CERAMIC SOCIETY, JOURNAL, SCI Journal, August 2021
BIOMEDICAL MATERIALS (BRISTOL, ENGLAND), SCI Journal, July 2021
Materialia, SCI Journal, June 2021
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, SCI Journal, May 2021
AMERICAN CERAMIC SOCIETY, JOURNAL, SCI Journal, May 2021
SURFACE REVIEW AND LETTERS, SCI Journal, May 2021
BIOMEDICAL MATERIALS (BRISTOL, ENGLAND), SCI Journal, May 2021

ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, SCI Journal, April 2021
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH - PART A, SCI Journal, April 2021
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH - PART A, SCI Journal, April 2021
Journal of Magnesium and Alloys, SCI Journal, April 2021
MICROSCOPY RESEARCH AND TECHNIQUE, SCI Journal, April 2021
CERAMICS INTERNATIONAL, SCI Journal, March 2021
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, SCI Journal, February 2021
CERAMICS INTERNATIONAL, SCI Journal, February 2021
BIOMEDICAL MATERIALS (BRISTOL, ENGLAND), SCI Journal, February 2021
COMPOSITES PART B: ENGINEERING, SCI Journal, February 2021
Journal of Magnesium and Alloys, SCI Journal, February 2021
JOURNAL OF MATERIALS SCIENCE, SCI Journal, January 2021
GAZI UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, January 2021
journal of materials engineering and structures, SCI Journal, January 2021
Journal of Architectural Design and construction Technology, Other journals, December 2020
JOURNAL OF BIONIC ENGINEERING, National Scientific Refreed Journal, December 2020
BOR DERGİSİ, National Scientific Refreed Journal, October 2020
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, SCI Journal, September 2020
mrs advances, Other journals, September 2020
MATERIALS TODAY COMMUNICATIONS, SCI Journal, September 2020
JOURNAL OF MAGNESIUM AND ALLOYS, SCI Journal, September 2020
BIOMETALS, SCI Journal, August 2020
JOURNAL OF MAGNESIUM AND ALLOYS, SCI Journal, August 2020
SURFACE REVIEW AND LETTERS, SCI Journal, August 2020
JOURNAL OF MATERIALS CHEMISTRY B, SCI Journal, August 2020
CERAMICS INTERNATIONAL, SCI Journal, July 2020
CELL TRANSPLANTATION, SCI Journal, July 2020
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, SCI Journal, July 2020
SN APPLIED SCIENCES, National Scientific Refreed Journal, June 2020
NEW JOURNAL OF CHEMISTRY, SCI Journal, June 2020
JOURNAL OF MAGNESIUM AND ALLOYS, SCI Journal, June 2020
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, National Scientific Refreed Journal, May 2020
JOURNAL OF MAGNESIUM AND ALLOYS, SCI Journal, February 2020
CORROSION SCIENCE, SCI Journal, February 2020
JOURNAL OF MAGNESIUM AND ALLOYS, SCI Journal, February 2020
JOURNAL OF MAGNESIUM AND ALLOYS, SCI Journal, February 2020
JOURNAL OF MAGNESIUM AND ALLOYS, SCI Journal, January 2020
JOURNAL OF ALLOYS AND COMPOUNDS, SCI Journal, January 2020
APPLIED SURFACE SCIENCE, SCI Journal, January 2020
SCIENTIFIC REPORTS, SCI Journal, January 2020
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, SCI Journal, November 2019
MATERIALS LETTERS, SCI Journal, November 2019
CHEMISTRY SELECT, Other journals, November 2019
JOURNAL OF MAGNESIUM AND ALLOYS, National Scientific Refreed Journal, November 2019
ACS BIOMATERIALS-SCIENCE & ENGINEERING, National Scientific Refreed Journal, October 2019
BIOMEDICAL MATERIALS, SCI Journal, October 2019
JOURNAL OF BIONIC ENGINEERING, SCI Journal, October 2019
PROGRESS IN NATURAL SCIENCE, SCI Journal, October 2019
ACS BIOMATERIALS-SCIENCE & ENGINEERING, SCI Journal, September 2019
LANGMUIR, SCI Journal, September 2019
SURFACE REVIEW AND LETTERS, SCI Journal, September 2019

JOURNAL OF SCIENTIFIC PERSPECTIVES, Other journals, September 2019
INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, SCI Journal, August 2019
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, National Scientific Refreed Journal, July 2019
JOURNAL OF MATERIALS SCIENCE, SCI Journal, July 2019
INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, SCI Journal, July 2019
vessel plus, Other journals, May 2019
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, SCI Journal, May 2019
JOURNAL OF MATERIALS SCIENCE, SCI Journal, April 2019
International journal of advances in engineering and pure sciences (Online), National Scientific Refreed Journal, March 2019
SURFACE REVIEW AND LETTERS, SCI Journal, March 2019
MATERIALS CHEMISTRY AND PHYSICS, National Scientific Refreed Journal, March 2019
JOURNAL OF APPLIED BIOMATERIALS & FUNCTIONAL MATERIALS, SCI Journal, February 2019
CURRENT PHARMACEUTICAL BIOTECHNOLOGY, National Scientific Refreed Journal, February 2019
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, SCI Journal, February 2019
SURFACE REVIEW AND LETTERS, SCI Journal, January 2019
JOURNAL OF BIOMATERIALS APPLICATIONS, SCI Journal, January 2019
JOURNAL OF RAMAN SPECTROSCOPY, SCI Journal, January 2019
international research journal of medicine and medical sciences, Other Indexed Journal, January 2019
JOURNAL OF THE AMERICAN CERAMIC SOCIETY, SCI Journal, December 2018
CERAMICS INTERNATIONAL, SCI Journal, December 2018
CURRENT PHARMACEUTICAL BIOTECHNOLOGY, SCI Journal, November 2018
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, October 2018
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, SCI Journal, October 2018
CURRENT PHARMACEUTICAL BIOTECHNOLOGY, SCI Journal, October 2018
MATERIALS LETTERS, SCI Journal, September 2018
JOURNAL OF ALLOYS AND COMPOUNDS, SCI Journal, September 2018
PROCESSING AND APPLICATION OF CERAMICS, SCI Journal, September 2018
CURRENT PHARMACEUTICAL BIOTECHNOLOGY, SCI Journal, August 2018
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, SCI Journal, July 2018
MATERIALS RESEARCH EXPRESS, SCI Journal, July 2018
JOURNAL OF ADVANCED CERAMICS, SCI Journal, July 2018
MATERIALS RESEARCH BULLETIN, SCI Journal, July 2018
MATERIALS CHEMISTRY AND PHYSICS, National Scientific Refreed Journal, July 2018
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, SCI Journal, June 2018
CERAMICS INTERNATIONAL, SCI Journal, May 2018
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, SCI Journal, May 2018
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, SCI Journal, May 2018
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, SCI Journal, April 2018
INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, SCI Journal, March 2018
BIOMEDICAL PHYSICS & ENGINEERING EXPRESS, SCI Journal, March 2018
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, SCI Journal, March 2018
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, SCI Journal, March 2018
BIOMEDICAL PHYSICS & ENGINEERING EXPRESS, SCI Journal, February 2018
MATERIALS CHEMISTRY AND PHYSICS, SCI Journal, January 2018

Metrics

Publication: 167

Citation (WoS): 1957

Citation (Scopus): 2819

H-Index (WoS): 25

H-Index (Scopus): 30

Congress and Symposium Activities

1st International Conference on Advances in Mechanical and Mechatronics Engineering, Invited Speaker, Ankara, Turkey, 2018

Non Academic Experience

TUSAŞ

TÜRKİYE BİLİMLER AKADEMİSİ (TÜBA)

METU

METU

TÜBİTAK

METU

METU