Prof. AYLİN MÜYESSER DELİORMANLI

Personal Information

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ScopusID: 6506552954
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Education

Post Doctorate, Missouri University of Science and Technology, United States Of America 2010 - 2012
Doctorate, Izmir Institute Of Technology, Turkey 2002 - 2007
Postgraduate, Izmir Institute Of Technology, Turkey 1997 - 2000
Undergraduate, Ege University, Turkey 1988 - 1994

Foreign Languages

English

Dissertations

Doctorate, Effect of colloidal interactions in the forming of lead magnesium niobate ceramics, Izmir Institute Of Technology, 2007
Postgraduate, Preparation and Characterization of Alumina Powders and Suspensions, Izmir Institute Of Technology, 2000

Research Areas

Avesis Research Areas: Tissue Engineering, Material science and engineering, Ceramic Materials, Glass Technology and Glass Ceramics, Biomaterials, Nanomaterials
WoS Research Areas: Cell & Tissue Engineering, Materials Science, Materials Science Biomaterials, Materials Science Ceramics
Scopus Research Areas: General Materials Science, Materials Science (miscellaneous), Ceramics and Composites

Academic Positions

Professor, Manisa Celal Bayar University, 2020 - Present
Associate Professor, 2012 - 2020
Assistant Professor, 2009 - 2012

Research Assistant, Izmir Institute Of Technology, 1997 - 2009

Academic and Administrative Experience

Head of Department, Manisa Celal Bayar University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, METALURJİ VE MALZEME MÜHENDİSLİĞİ, 2024 - Present
2023 - Present
2011 - 2014
2010 - 2011

Courses

Doctorate
Biyoseramikler ve Biyoaktif Camlar, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Postgraduate
Biyomalzemeler, Postgraduate, 2020 - 2021, 2019 - 2020, 2017 - 2018
Undergraduate
Glass Science and Technology, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020
Taşınma Mekanizmaları, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016
Biyomalzemeler, Undergraduate, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017
tasinma mekanizmalari, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017
Malzeme Termodinamiği II, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
malzeme termodinamigi I, Undergraduate, 2018 - 2019, 2016 - 2017, 2015 - 2016
malzeme termodinamigi II, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
termodinamik, Undergraduate, 2010 - 2011
Undergraduate Minor
Seramiklerde İleri Şekillendirme Yöntemleri, Undergraduate Minor, 2021-2022
Undergraduate Double Major
arayüzeylerde fizikokimyasal işlemler, Undergraduate Double Major, 2013-2014

Supervised Theses

Deliormanlı A. M., Yumuşak Doku Rejenerasyonu için Oksijen Salımı Sağlayan Metakrilatlanmış Pluronic F-127 Tabanlı Hidrojel Sistemlerin Hazırlanması ve Karakterizasyonu, Postgraduate, S.ENSOYLU(Student), in Progress
DELİORMANLI A. M., Gastrointestinal Sistem Hastalıklarının Tedavisi ve İlaç Salım Uygulamalarında Kullanılmak Üzere Terapötik İyon (Bi3+, Ba2+ ve Cu2+) katkılı Biyoaktif Camların Geliştirilmesi, Doctorate, M.ENSOYLU(Student), 2024
DELİORMANLI A. M., Süperparamanyetik demir oksit nanopartikülleri içeren biyoaktif camların sol-jel yöntemi ile sentezi ve karakterizasyonu, Postgraduate, M.SAATCİ(Student), 2023
DELİORMANLI A. M., Biyomedikal Uygulamalar için Ti6Al4V İmplantlar Üzerine Silikat Bazlı Biyoaktif Cam Kaplamaların Hazırlanması ve Karakterizasyonu, Postgraduate, D.KARAKUŞ(Student), 2023
DELİORMANLI A. M., Kemik doku mühendisliği uygulamaları için hegzagonal-bor nitrür ve tungsten disülfür içeren biyoaktif cam kompozit doku iskelesi hazırlanması, Postgraduate, M.ENSOYLU(Student), 2021
DELİORMANLI A. M., Biyomedikal uygulamalar için erbiyum (Er3+) ve terbiyum (Tb3+) içeren lüminesans özellikli biyoaktif camların sentezi, Postgraduate, B.RAHMAN(Student), 2021
DELİORMANLI A. M., Biyoaktif cam ve hidroksiapatit içeren polikaprolakton nanoliflerin elektroeğirme yöntemi ile hazırlanması ve karakterizasyonu, Postgraduate, R.KONYALI(Student), 2019
DELİORMANLI A. M., Grafen içeren biyoaktif cam skafoldların hazırlanması ve in vitro karakterizasyonu, Postgraduate,

M.TÜRK(Student), 2018

Articles

I. **Tailoring the structural evolution, in vitro bioactivity, and gastrointestinal cell cytocompatibility of sol–gel-derived Bi(III)-doped bioactive glasses: The role of bismuth precursors**
Deliormanlı A. M., Atmaca İlhan H.
Journal of Sol-Gel Science and Technology, vol.119, pp.1-18, 2026 (SCI-Expanded, Scopus)

II. **Sol–gel- derived Ba-doped bioactive glasses for gastrointestinal-relevant applications: Effect of barium precursors on structure, bioactivity, and cytocompatibility**
DELİORMANLI A. M., ATMACA İLHAN H.
Ceramics International, vol.52, no.23, pp.39908-39924, 2026 (SCI-Expanded, Scopus)

III. **Influence of copper incorporation on structure and cell-type specific cytocompatibility of sol–gel-derived 13–93 bioactive glass for potential soft tissue applications.**
Deliormanlı A. M., Atmaca İlhan H.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.118, pp.1-16, 2026 (SCI-Expanded, Scopus)

IV. **Fabrication of silicate-based bioactive glass-containing sodium alginate hydrogel microfibers for tissue engineering applications**
Ensoylu S., Deliormanlı A. M.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.132, no.4, 2026 (SCI-Expanded, Scopus)

V. **Structural Characterization and Catalytic Oxygen Release Performance of Platinum Nanoparticles Synthesized via Chemical and Plant-Mediated Routes**
Turan F., Deliormanlı A. M.
JOURNAL OF CHEMISTRY, vol.2026, no.1, 2026 (SCI-Expanded, Scopus)

VI. **Poly(ionic liquids-acrylic acid)-modified MIL-101(Cr) metal—organic frameworks: Preparation and efficient adsorption of europium**
Liang X., Deliormanlı A. M., Zeng Q.
JOURNAL OF RARE EARTHS, 2025 (SCI-Expanded, Scopus)

VII. **Evaluation of the in vitro cytotoxicity and drug delivery of ytterbium (III)-doped versatile bioactive glasses for cancer treatment**
DELİORMANLI A. M., ATMACA İLHAN H.
Journal of the Australian Ceramic Society, vol.61, no.2, pp.501-515, 2025 (SCI-Expanded, Scopus)

VIII. **Emission based response of Er3+, Tb3+, and Er3+-Tb3+ co-doped 1393 bioactive glasses along with HPTS towards CO2**
Ulucan U., Oğuzlar S., Deliormanlı A. M., Ertekin K.
Journal of Photochemistry and Photobiology A: Chemistry, vol.459, 2025 (SCI-Expanded, Scopus)

IX. **Novel Sol-Gel Inks for the Direct Writing of SiO2-Based Bioactive Glass Scaffolds for Tissue Engineering Applications**
DELİORMANLI A. M.
Silicon, vol.17, no.4, pp.775-787, 2025 (SCI-Expanded, Scopus)

X. **Synthesis and characterization of Nb5+ and Sm3+-doped 13–93 bioactive glass particles with improved photon transmission properties for advanced biomedical and dental applications**
DELİORMANLI A. M., ALMisned G., Tekin H.
Ceramics International, vol.50, no.17, pp.31211-31224, 2024 (SCI-Expanded, Scopus)

XI. **Nanoarchitectonics and properties of sol-gel-derived bioactive glasses containing maghemite@ZnO core-shell nanoparticles**
DELİORMANLI A. M., ALMisned G., Tekin H.
Applied Physics A: Materials Science and Processing, vol.130, no.8, 2024 (SCI-Expanded, Scopus)

XII. **Neodymium (III)-containing poly(lactide-co-glycolide)-coated robocast bioactive glass scaffolds for photothermal therapy and bone regeneration**

DELİORMANLI A. M.
Applied Physics A: Materials Science and Processing, vol.130, no.6, 2024 (SCI-Expanded, Scopus)

XIII. **In vitro cytotoxicity of magnetic-fluorescent bioactive glasses on SaOS-2, MC3T3-E1, BJ fibroblast cells, their hemolytic activity, and sorafenib release behavior**
Deliormanlı A. M., Atmaca İlhan H.
BIOMATERIALS ADVANCES, vol.158, pp.213782, 2024 (SCI-Expanded)

XIV. **In vitro cytotoxicity of magnetic-fluorescent bioactive glasses on SaOS-2, MC3T3-E1, BJ fibroblast cells, their hemolytic activity, and sorafenib release behavior**
Deliormanlı A. M., Rahman B., Atmaca İlhan H.
Biomaterials Advances, vol.158, 2024 (Scopus)

XV. **Preparation of trivalent rare-earth element-substituted bioactive glass robocast scaffolds for osteosarcoma treatment: structural, morphological, mechanical, drug delivery, and biological properties**
DELİORMANLI A. M., Ensoylu M., ATMACA İLHAN H.
Applied Physics A: Materials Science and Processing, vol.130, no.3, 2024 (SCI-Expanded, Scopus)

XVI. **Fabrication and characterization of novel multifunctional superparamagnetic and fluorescent bioactive glasses for biomedical applications**
DELİORMANLI A. M., Rahman B.
Journal of Alloys and Compounds, vol.967, 2023 (SCI-Expanded, Scopus)

XVII. **Modulation of optical oxygen sensitivity of H2(TPP) by using Eu3+, Gd3+ and Yb3+ ions doped silicate-based bioactive glass powders immersed in simulated body fluid**
OĞUZLAR S., ZEYREK ONGUN M., DELİORMANLI A. M.
Optik, vol.294, 2023 (SCI-Expanded, Scopus)

XVIII. **Effect on Improving CO2 Sensor Properties: Combination of HPTS and γ-Fe2O3@ZnO Bioactive Glass**
OĞUZLAR S., ZEYREK ONGUN M., DELİORMANLI A. M.
ACS Omega, vol.8, no.43, pp.40561-40571, 2023 (SCI-Expanded, Scopus)

XIX. **Two-dimensional molybdenum disulfide/polymer-coated bioactive glass scaffolds for tissue engineering: Fabrication, structural, mechanical, bioactivity, and radiation interaction properties**
DELİORMANLI A. M., Ensoylu M., ALMisned G., Tekin H.
Ceramics International, vol.49, no.14, pp.22861-22874, 2023 (SCI-Expanded, Scopus)

XX. **Investigation of the structural, photoluminescence properties, bioactivity and 5-fluorouracil delivery behavior of Dy3+ and Dy:Eu3+-doped bioactive glasses**
DELİORMANLI A. M., Rahman B., OĞUZLAR S., ZEYREK ONGUN M.
Journal of Alloys and Compounds, vol.944, 2023 (SCI-Expanded, Scopus)

XXI. **Synthesis, characterization, and 5-fluorouracil release behavior of superparamagnetic γ-Fe2O3/ZnO hetero-nanostructures for biomedical applications**
Saatci M., DELİORMANLI A. M.
Ceramics International, vol.49, no.8, pp.12934-12949, 2023 (SCI-Expanded, Scopus)

XXII. **Preparation, Characterization, and Drug Delivery of Hexagonal Boron Nitride-Borate Bioactive Glass Biomimetic Scaffolds for Bone Tissue Engineering**
Ensoylu M., DELİORMANLI A. M., ATMACA İLHAN H.
Biomimetics, vol.8, no.1, 2023 (SCI-Expanded, Scopus)

XXIII. **Graphene-bioactive glass composites: Structural, Vickers hardness, and gamma-ray attenuation characteristics**
DELİORMANLI A. M., ALMisned G., Ene A., Tekin H.
Frontiers in Materials, vol.10, 2023 (SCI-Expanded, Scopus)

XXIV. **Synthesis and in vitro characterization of superparamagnetic γ-Fe2O3-containing 13–93 bioactive glasses for bone cancer therapy**
Saatci M., DELİORMANLI A. M., ATMACA İLHAN H.
Ceramics International, vol.48, no.23, pp.34382-34394, 2022 (SCI-Expanded, Scopus)

XXV. **Evaluation of In Vitro Bioactivity, Cytotoxicity, and Drug Release Behavior of Er2O3 and Tb2O3-**

Containing Bioactive Glass Particles and Nanofibers
Rahman B., DELİORMANLI A. M., ATMACA İLHAN H.
Journal of Inorganic and Organometallic Polymers and Materials, vol.32, no.10, pp.3797-3812, 2022 (SCI-Expanded, Scopus)

XXVI. **Bone Healing in Rat Segmental Femur Defects with Graphene-PCL-Coated Borate-Based Bioactive Glass Scaffolds**
Basal O., Ozmen O., DELİORMANLI A. M.
Polymers, vol.14, no.18, 2022 (SCI-Expanded, Scopus)

XXVII. **Towards better understanding of structural, physical and radiation attenuation properties of the granites in Aegean region of Turkey: İzmir and Kütahya Provinces**
Deliormanlı A. M., Deliormanll A. H., Turan F., Issa S. A. M., Almisned G., Tekin H.
Physica Scripta, vol.97, no.6, 2022 (SCI-Expanded, Scopus)

XXVIII. **Hexagonal Boron Nitride/PCL/PLG Coatings on Borate Bioactive Glass Scaffolds for Bone Regeneration**
Ensoylu M., DELİORMANLI A. M., ATMACA İLHAN H.
Journal of Inorganic and Organometallic Polymers and Materials, vol.32, no.5, pp.1551-1566, 2022 (SCI-Expanded, Scopus)

XXIX. **A thorough examination of gadolinium (III)-containing silicate bioactive glasses: synthesis, physical, mechanical, elastic and radiation attenuation properties**
DELİORMANLI A. M., Ensoylu M., Issa S. A. M., Rammah Y., ALMisned G., Tekin H.
Applied Physics A: Materials Science and Processing, vol.128, no.4, 2022 (SCI-Expanded, Scopus)

XXX. **Fabrication and in vitro characterization of macroporous WS2/ bioactive glass scaffolds for biomedical applications**
Ensoylu M., ATMACA İLHAN H., DELİORMANLI A. M.
Journal of the Australian Ceramic Society, vol.58, no.2, pp.397-409, 2022 (SCI-Expanded, Scopus)

XXXI. **Effects of Eu3+, Gd3+ and Yb3+ substitution on the structural, photoluminescence, and decay properties of silicate-based bioactive glass powders**
DELİORMANLI A. M., OĞUZLAR S., ZEYREK ONGUN M.
Journal of Materials Research, vol.37, no.2, pp.622-635, 2022 (SCI-Expanded, Scopus)

XXXII. **Sol-gel synthesis of borate-based 13-93B3 bioactive glass powders for biomedical applications**
DELİORMANLI A. M.
Materials Technology, vol.37, no.11, pp.1808-1817, 2022 (SCI-Expanded, Scopus)

XXXIII. **Effect of polycaprolactone scaffolds containing different weights of graphene on healing in large osteochondral defect model**
Basal O., Ozmen O., DELİORMANLI A. M.
Journal of Biomaterials Science, Polymer Edition, vol.33, no.9, pp.1123-1139, 2022 (SCI-Expanded, Scopus)

XXXIV. **WS2/bioactive glass composites: Fabrication, structural, mechanical and radiation attenuation properties**
DELİORMANLI A. M., Ensoylu M., Issa S. A., Elshami W., Al-Baradi A. M., Al-Buriahi M., Tekin H.
Ceramics International, vol.47, no.21, pp.29739-29747, 2021 (SCI-Expanded, Scopus)

XXXV. **Tungsten disulfide nanoparticle-containing PCL and PLGA-coated bioactive glass composite scaffolds for bone tissue engineering applications**
Ensoylu M., DELİORMANLI A. M., ATMACA İLHAN H.
Journal of Materials Science, vol.56, no.33, pp.18650-18667, 2021 (SCI-Expanded, Scopus)

XXXVI. **Structural and luminescent properties of Er3+ and Tb3+-doped sol–gel-based bioactive glass powders and electrospun nanofibers**
DELİORMANLI A. M., Rahman B., OĞUZLAR S., ERTEKİN K.
Journal of Materials Science, vol.56, no.26, pp.14487-14504, 2021 (SCI-Expanded, Scopus)

XXXVII. **Improvement of optical properties of one-dimensional CaAl12O19:Mn4+ phosphor via Er3+- and Tb3+- doped bioactive glass powders**
OĞUZLAR S., ZEYREK ONGUN M., DELİORMANLI A. M.

Optical Materials, vol.117, 2021 (SCI-Expanded, Scopus)

XXXVIII. **Erbium (III)- and Terbium (III)-containing silicate-based bioactive glass powders: physical, structural and nuclear radiation shielding characteristics**
DELİORMANLI A. M., Issa S. A. M., Al-Buriahi M., Rahman B., Zakaly H. M. H., Tekin H.
Applied Physics A: Materials Science and Processing, vol.127, no.6, 2021 (SCI-Expanded, Scopus)

XXXIX. **13-93B3 Bioactive glasses containing Ce3+, Ga3+ and V5+: dose rate and gamma radiation characteristic for medical purposes**
DELİORMANLI A. M., Al-Buriahi M., Somaily H., Tekin H.
Applied Physics A: Materials Science and Processing, vol.127, no.3, 2021 (SCI-Expanded, Scopus)

XL. **Photoluminescence and decay characteristics of cerium, gallium and vanadium - containing borate-based bioactive glass powders for bioimaging applications**
DELİORMANLI A. M., OĞUZLAR S., ERTEKİN K.
Ceramics International, vol.47, no.3, pp.3797-3807, 2021 (SCI-Expanded, Scopus)

XLI. **Preparation of hollow pcl microspheres by o/w single emulsion-solvent evaporation method in the presence of graphene nanopowders**
DELİORMANLI A. M., Yenice A.
Express Polymer Letters, vol.15, no.7, pp.641-653, 2021 (SCI-Expanded, Scopus)

XLII. **Flow Behavior and Drug Release Study of Injectable Pluronic F-127 Hydrogels containing Bioactive Glass and Carbon-Based Nanopowders**
DELİORMANLI A. M., Türk M.
Journal of Inorganic and Organometallic Polymers and Materials, vol.30, no.4, pp.1184-1196, 2020 (SCI-Expanded, Scopus)

XLIII. **Effect of pore architecture on the mesenchymal stem cell responses to graphene/polycaprolactone scaffolds prepared by solvent casting and robocasting**
DELİORMANLI A. M., ATMACA İLHAN H.
Journal of Porous Materials, vol.27, no.1, pp.49-61, 2020 (SCI-Expanded, Scopus)

XLIV. **Prechondrogenic ATDC5 cell response to graphene/multi-walled carbon nanotube-containing porous polycaprolactone biocomposite scaffolds**
DELİORMANLI A. M., ATMACA İLHAN H.
International Journal of Polymeric Materials and Polymeric Biomaterials, vol.68, no.18, pp.1154-1166, 2019 (SCI-Expanded, Scopus)

XLV. **Direct Write Assembly of Graphene/Poly(ε-Caprolactone) Composite Scaffolds and Evaluation of Their Biological Performance Using Mouse Bone Marrow Mesenchymal Stem Cells**
DELİORMANLI A. M.
Applied Biochemistry and Biotechnology, vol.188, no.4, pp.1117-1133, 2019 (SCI-Expanded, Scopus)

XLVI. **Preparation and mineralization of 13-93 bioactive glass-containing electrospun poly-epsilon-caprolactone composite nanofibrous mats**
Konyalı R., Deliormanlı A. M.
Journal of Thermoplastic Composite Materials, vol.32, no.5, pp.690-709, 2019 (SCI-Expanded, Scopus)

XLVII. **Bioactive glass/hydroxyapatite- containing electrospun poly (ε-Caprolactone) composite nanofibers for bone tissue engineering**
DELİORMANLI A. M., Konyalı R.
Journal of the Australian Ceramic Society, vol.55, no.1, pp.247-256, 2019 (SCI-Expanded, Scopus)

XLVIII. **Preparation and characterization of PCL-coated porous hydroxyapatite scaffolds in the presence of MWCNTs and graphene for orthopedic applications**
DELİORMANLI A. M., Türk M., ATMACA İLHAN H.
Journal of Porous Materials, vol.26, no.1, pp.247-259, 2019 (SCI-Expanded, Scopus)

XLIX. **Investigation the in vitro biological performance of graphene/bioactive glass scaffolds using MC3T3-E1 and ATDC5 cells**
DELİORMANLI A. M., Türk M.
Materials Technology, vol.33, no.14, pp.854-864, 2018 (SCI-Expanded, Scopus)

L. **Biological Response of Osteoblastic and Chondrogenic Cells to Graphene-Containing PCL/Bioactive Glass Bilayered Scaffolds for Osteochondral Tissue Engineering Applications**
DELİORMANLI A. M., ATMACA İLHAN H.
Applied Biochemistry and Biotechnology, vol.186, no.4, pp.972-989, 2018 (SCI-Expanded, Scopus)

LI. **Response of mouse bone marrow mesenchymal stem cells to graphene-containing grid-like bioactive glass scaffolds produced by robocasting**
Deliormanlı A. M., Türk M., Atmaca İlhan H.
Journal of Biomaterials Applications, vol.33, no.4, pp.488-500, 2018 (SCI-Expanded, Scopus)

LII. **Graphene-containing PCL- coated Porous 13-93B3 Bioactive Glass Scaffolds for Bone Regeneration**
Türk M., DELİORMANLI A. M.
Materials Research Express, vol.5, no.4, 2018 (SCI-Expanded, Scopus)

LIII. **Finite element method simulation for the prediction of mechanical properties of three-dimensional periodic bioactive glass scaffolds**
Deliormanll A. M., Deliormanll A. H.
Journal of the Australian Ceramic Society, vol.53, no.2, pp.299-307, 2017 (SCI-Expanded, Scopus)

LIV. **Electrically conductive borate-based bioactive glass scaffolds for bone tissue engineering applications**
Turk M., Deliormanlı A. M.
Journal of Biomaterials Applications, vol.32, no.1, pp.28-39, 2017 (SCI-Expanded, Scopus)

LV. **Investigation of in vitro mineralization of silicate-based 45S5 and 13-93 bioactive glasses in artificial saliva for dental applications**
DELİORMANLI A. M.
Ceramics International, vol.43, no.4, pp.3531-3539, 2017 (SCI-Expanded, Scopus)

LVI. **In vivo evaluation of cerium, gallium and vanadium-doped borate-based bioactive glass scaffolds using rat subcutaneous implantation model**
DELİORMANLI A. M., Seda Vatansever H., Yesil H., ÖZDAL KURT F.
Ceramics International, vol.42, no.10, pp.11574-11583, 2016 (SCI-Expanded, Scopus)

LVII. **Fabrication and characterization of poly(ε-caprolactone) coated silicate and borate-based bioactive glass composite scaffolds**
DELİORMANLI A. M.
Journal of Composite Materials, vol.50, no.7, pp.917-928, 2016 (SCI-Expanded, Scopus)

LVIII. **Sol gel synthesis of 13 93 bioactive glass powderscontaining therapeutic agents**
Deliormanlı A. M., Yıldırım M.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.52, pp.9-19, 2016 (SCI-Expanded, Scopus)

LIX. **Electrospun cerium and gallium-containing silicate based 13-93 bioactive glass fibers for biomedical applications**
DELİORMANLI A. M.
Ceramics International, vol.42, no.1, pp.897-906, 2016 (SCI-Expanded, Scopus)

LX. **Preparation, in vitro mineralization and osteoblast cell response of electrospun 13-93 bioactive glass nanofibers**
DELİORMANLI A. M.
Materials Science and Engineering C, vol.53, pp.262-271, 2015 (SCI-Expanded, Scopus)

LXI. **Synthesis and characterization of cerium- and gallium-containing borate bioactive glass scaffolds for bone tissue engineering**
Deliormanlı A. M.
Journal of Materials Science: Materials in Medicine, vol.26, no.2, pp.1-13, 2015 (SCI-Expanded, Scopus)

LXII. **Preparation and in vitro characterization of electrospun 45S5 bioactive glass nanofibers**
DELİORMANLI A. M.
Ceramics International, vol.41, no.1, pp.417-425, 2015 (SCI-Expanded, Scopus)

LXIII. **In vitro assessment of degradation and mineralisation of V2O5substituted borate bioactive glass scaffolds**

Deliormanli A. M.
Materials Technology, vol.29, no.6, pp.358-365, 2014 (SCI-Expanded, Scopus)

LXIV. **Evaluation of borate bioactive glass scaffolds with different pore sizes in a rat subcutaneous implantation model**
Deliormanlı A. M., Liu X., Rahaman M. N.
Journal of Biomaterials Applications, vol.28, no.5, pp.643-653, 2014 (SCI-Expanded, Scopus)

LXV. **Size-dependent degradation and bioactivity of borate bioactive glass**
Deliormanlı A. M.
Ceramics International, vol.39, no.7, pp.8087-8095, 2013 (SCI-Expanded, Scopus)

LXVI. **Effect of Cationic Polyelectrolyte on the Flow Behavior of Hydroxypropyl Methyl Cellulose/Polyacrylic Acid Interpolymer Complexes**
Deliormanlı A. M.
JOURNAL OF MACROMOLECULAR SCIENCE - PHYSICS, vol.52, pp.1531-1544, 2013 (SCI-Expanded, Scopus)

LXVII. **In vitro assessment of degradation and bioactivity of robocast bioactive glass scaffolds in simulated body fluid**
Deliormanlı A. M.
Ceramics International, vol.38, no.8, pp.6435-6444, 2012 (SCI-Expanded, Scopus)

LXVIII. **Flow behavior of hydroxypropyl methyl cellulose/polyacrylic acid interpolymer complexes in aqueous media**
Deliormanlı A. M.
Polymer International, vol.61, no.12, pp.1751-1757, 2012 (SCI-Expanded, Scopus)

LXIX. **Direct-write assembly of silicate and borate bioactive glass scaffolds for bone repair**
Deliormanli A. M., Rahaman M. N.
Journal of the European Ceramic Society, vol.32, no.14, pp.3637-3646, 2012 (SCI-Expanded, Scopus)

LXX. **Interaction of Sodium Dodecyl Sulfate with Poly ethyleneimine in Bulk Solution and at the Air Solution Interface**
Deliormanlı A. M.
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.31, pp.23-30, 2010 (SCI-Expanded, Scopus)

LXXI. **Influence of dispersing agents on the solubility of perovskites in water**
Sakar-Deliormanli A. M., Çelik E., Polat M.
Journal of Dispersion Science and Technology, vol.30, no.5, pp.704-711, 2009 (SCI-Expanded, Scopus)

LXXII. **Influence of Molecular Architecture of Polymers on Dispersion Properties of Ceramic Suspensions**
DELİORMANLI A. M., POLAT M.
The Journal of Ore Dressing, vol.11, no.21, 2009 (Peer-Reviewed Journal)

LXXIII. **Preparation of the Pb(Mg1/3Nb2/3)O3 films by aqueous tape casting**
Şakar-Deliormanli A. M., Çelik E., Polat M.
Journal of the European Ceramic Society, vol.29, no.1, pp.115-123, 2009 (SCI-Expanded, Scopus)

LXXIV. **Solubility and aging of lead magnesium niobate in water**
Şakar-Deliormanli A. M., Çelik E., Polat M.
Ceramics International, vol.35, no.1, pp.503-508, 2009 (SCI-Expanded, Scopus)

LXXV. **Factors Affecting the Drying Behaviour of Ceramic Films**
DELİORMANLI A. M., ÇELİK E., POLAT M.
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Scholarships

TÜBİTAK 2219-Yurt Dışı Doktora Sonrası Araştırma Burs Programı, TUBITAK, 2010 - 2011
TÜBİTAK NATO-A2 Yurt Dışı Araştırma Bursu, TUBITAK, 2005 - 2006
Prof. L. Gauckler Araştırma Bursu, University, 2001 - 2001

Awards

Deliormanlı A. M., Ensoylu M., Muradiye OSB Fen ve Mühendislik Yönetim Kurulu Özel Ödülü, Manisa Celal Bayar Üniversitesi, Muradiye Osb, January 2022
Deliormanlı A. M., PROJE PERFORMANS ÖDÜLÜ- PPÖ, Tübitak, January 2020
Deliormanlı A. M., PROJE PERFORMANS ÖDÜLÜ PPÖ, Tübitak, January 2018
Deliormanlı A. M., Proje Ödülü, Manisa Celâl Bayar Üniversitesi, February 2015
DELİORMANLI A. M., Bilimsel Dergi Yayıncılık Ödülü, MANİSA CELÂL BAYAR ÜNİVERSİTESİ, January 2015
DELİORMANLI A. M., Yayın Performans Ödülü, MANİSA CELÂL BAYAR ÜNİVERSİTESİ, January 2014
DELİORMANLI A. M., BAP Proje Teşvik Ödülü, MANİSA CELÂL BAYAR ÜNİVERSİTESİ, January 2014
DELİORMANLI A. M., Yayin Tesvik Odulu, CELAL BAYAR ÜNİVERSİTESİ, January 2013
DELİORMANLI A. M., Proje odulu, CELAL BAYAR ÜNİVERSİTESİ, January 2013
DELİORMANLI A. M., Bilimsel Dergi Yayincilik Odulu, CELAL BAYAR ÜNİVERSİTESİ, January 2013

Non Academic Experience

Missouri University of Science and Technology, Center for Bone and Tissue Repair and Regeneration, Amerika Birleşik Devletleri, Araştırmacı
Izmir Yuksek Teknoloji Enstitüsü, Arastirma Gorevlisi
University of Illinois at Urbana-Champaign, Malzeme Bilimi ve Mühendisliği Bölümü, Amerika Birleşik Devletleri, Araştırmacı
Swiss Federal Institute of Technology, ETH Zürih, Malzeme Bilimi Bölümü, İSVİÇRE, Araştırmacı (6 ay)

Vetri Ceramici, Casola Valsenio- ITALYA, Araştırmacı (3 ay)
Serel Seramik A.Ş., Manisa, Ar-ge muhendisi
ENERCON Ltd. Şti, İzmir, Teknik Servis Mühendisi