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Education Information

Post Doctorate, Orta Doğu Teknik Üniversitesi, Engineering , Engineering Sciences , Turkey 2015 - 2016

Doctorate, Universiti Teknologi Malaysia, Science, Materials Chemistry, Malaysia 2011 - 2015

Post Graduate, Jawaharlal Nehru University, Science, Chemical Drugs And Pharmaceuticals, India 2008 - 2011

Undergraduate Minor, Basrah University , Science, Chemistry, Iraq 2002 - 2007

Foreign Languages

English, C1 Advanced

Arabic, C1 Advanced

Research Areas

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

Academic Titles / Tasks

Assistant Professor, Karabük Üniversitesi, Engineering Faculty , Biomedical Engineering , 2016 - Continues

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, December, 2019

Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, November, 2018

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Cellulose acetate-gelatin-coated boron-bioactive glass biocomposite scaffolds for bone tissue engineering**

Rad R. M. , ALSHEMARY A. Z. G. , EVİS Z., KESKİN D., TEZCANER A.
BIOMEDICAL MATERIALS, vol.15, 2020 (Journal Indexed in SCI)

- II. **Structural and Biological Analysis of Mesoporous Lanthanum Doped beta TCP For Potential Use as**

Bone Graft Material

Motameni A., DALGIÇ A. D. , ALSHEMARY A. Z. G. , KESKİN D., EVİS Z.

MATERIALS TODAY COMMUNICATIONS, vol.23, 2020 (Journal Indexed in SCI)

- III. **Nanocrystalline Zn²⁺ and SO₄²⁻ binary doped fluorohydroxyapatite: A novel biomaterial with enhanced osteoconductive and osteoinconductive properties**
ALSHEMARY A. Z. G. , Pazarceviren E. A. , DALGIÇ A. D. , Tezcaner A., KESKİN D., EVİS Z.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.104, 2019 (Journal Indexed in SCI)
- IV. **Porous clinoptilolite-nano biphasic calcium phosphate scaffolds loaded with human dental pulp stem cells for load bearing orthopedic applications**
ALSHEMARY A. Z. G. , PAZARÇEVİREN A. E. , KESKİN D., TEZCANER A., Hussain R., EVİS Z.
BIOMEDICAL MATERIALS, vol.14, 2019 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **Structural and biological assessment of boron doped bioactive glass nanoparticles for dental tissue applications**
Rad R. M. , ALSHEMARY A. Z. G. , EVİS Z., KESKİN D., ALTUNBAŞ K., TEZCANER A.
CERAMICS INTERNATIONAL, vol.44, pp.9854-9864, 2018 (Journal Indexed in SCI)
- VII. **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, pp.1392-1405, 2018 (Journal Indexed in SCI)
- VIII. **Physico-chemical and biological properties of hydroxyapatite extracted from chicken beaks**
ALSHEMARY A. Z. G. , Akram M., Taha A., TEZCANER A., EVİS Z., Hussain R.
MATERIALS LETTERS, vol.215, pp.169-172, 2018 (Journal Indexed in SCI)
- IX. **Impact of B₂O₃ and La₂O₃ addition on structural, mechanical and biological properties of hydroxyapatite**
Khoshsima S., ALSHEMARY A. Z. G. , TEZCANER A., Surdem S., EVİS Z.
PROCESSING AND APPLICATION OF CERAMICS, vol.12, pp.143-152, 2018 (Journal Indexed in SCI)
- X. **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, pp.340-352, 2018 (Journal Indexed in SCI)
- XI. **Impact of B₂O₃ and La₂O₃ addition on structural, mechanical and biological properties of hydroxyapatite**
Khoshsima S., ALSHEMARY A. Z. G. , TEZCANER A., Surdem S., EVİS Z.
Processing and Application of Ceramics, vol.12, pp.143-152, 2018 (Journal Indexed in SCI Expanded)
- XII. **Strontium doped injectable bone cement for potential drug delivery applications**
Taha A., Akram M., Jawad Z., ALSHEMARY A. Z. G. , Hussain R.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.80, pp.93-101, 2017 (Journal Indexed in SCI)
- XIII. **Antibacterial polylactic acid/chitosan nanofibers decorated with bioactive glass**
Goh Y., Akram M., Alshemary A. Z. G. , Hussain R.
Applied Surface Science, vol.387, pp.1-7, 2016 (Journal Indexed in SCI Expanded)
- XIV. **Mesoporous strontium doped nano sized sulphate hydroxyapatite as a novel biomaterial for bone tissue applications**
Alshemary A. Z. G. , PAZARÇEVİREN A. E. , TEZCANER A., EVİS Z.
RSC Advances, vol.6, pp.68058-68071, 2016 (Journal Indexed in SCI Expanded)
- XV. **Synthesis, characterization, in vitro bioactivity and antimicrobial activity of magnesium and nickel doped silicate hydroxyapatite**

- Alshemary A. Z. G. , Akram M., Goh Y., Tariq U., Butt F. K. , Abdolahi A., Hussain R.
Ceramics International, vol.41, pp.11886-11898, 2015 (Journal Indexed in SCI Expanded)
- XVI. **Synthesis, characterization and in vitro study of magnetic biphasic calcium sulfate-bioactive glass**
Goh Y., Akram M., Alshemary A. Z. G. , Hussain R.
Materials Science and Engineering C, vol.53, pp.29-35, 2015 (Journal Indexed in SCI Expanded)
- XVII. **Continuous microwave flow synthesis and characterization of nanosized tin oxide**
Akram M., Alshemary A. Z. G. , Butt F. K. , Goh Y., Ibrahim W. A. W. , Hussain R.
Materials Letters, vol.160, pp.146-149, 2015 (Journal Indexed in SCI Expanded)
- XVIII. **Continuous microwave flow synthesis of mesoporous hydroxyapatite**
Akram M., Alshemary A. Z. G. , Goh Y., Wan Ibrahim W. A. , Lintang H. O. , Hussain R.
Materials Science and Engineering C, vol.56, pp.356-362, 2015 (Journal Indexed in SCI Expanded)
- XIX. **Fabrication of V2O5 super long nanobelts: Optical, in situ electrical and field emission properties**
Butt F. K. , Cao C., Idrees F., Tahir M., Hussain R., Alshemary A. Z. G.
New Journal of Chemistry, vol.39, pp.5197-5202, 2015 (Journal Indexed in SCI Expanded)
- XX. **Continuous microwave flow synthesis (CMFS) of nanosized titania: Structural, optical and photocatalytic properties**
Akram M., Butt F. K. , Alshemary A. Z. G. , Goh Y., Ibrahim W. A. W. , Hussain R.
Materials Letters, vol.158, pp.95-98, 2015 (Journal Indexed in SCI Expanded)
- XXI. **Structural characterization, optical properties and in vitro bioactivity of mesoporous erbium-doped hydroxyapatite**
Alshemary A. Z. G. , Akram M., Goh Y., Abdul Kadir M. R. , Abdolahi A., Hussain R.
Journal of Alloys and Compounds, vol.645, pp.478-486, 2015 (Journal Indexed in SCI Expanded)
- XXII. **Synthesis, characterization and optical properties of chromium doped β -Tricalcium phosphate**
Alshemary A. Z. G. , Goh Y., Shakir I., Hussain R.
Ceramics International, vol.41, pp.1663-1669, 2015 (Journal Indexed in SCI Expanded)
- XXIII. **Barium and fluorine doped synthetic hydroxyapatite: Characterization and in-vitro bioactivity analysis**
Alshemary A. Z. G. , Goh Y., Akram M., Kadir M. R. A. , Hussain R.
Science of Advanced Materials, vol.7, pp.249-257, 2015 (Journal Indexed in SCI Expanded)
- XXIV. **In-vitro characterization of antibacterial bioactive glass containing ceria**
Goh Y., Alshemary A. Z. G. , Akram M., Abdul Kadir M. R. , Hussain R.
Ceramics International, vol.40, pp.729-737, 2014 (Journal Indexed in SCI Expanded)
- XXV. **Bioactive Glass: An In-Vitro Comparative Study of Doping with Nanoscale Copper and Silver Particles**
Goh Y., Alshemary A. Z. G. , Akram M., Abdul Kadir M. R. , Hussain R.
International Journal of Applied Glass Science, vol.5, pp.255-266, 2014 (Journal Indexed in SCI Expanded)
- XXVI. **Microwave assisted synthesis of nano sized sulphate doped hydroxyapatite**
Alshemary A. Z. G. , Goh Y., Akram M., Razali I. R. , Abdul Kadir M. R. , Hussain R.
Materials Research Bulletin, vol.48, pp.2106-2110, 2013 (Journal Indexed in SCI Expanded)
- XXVII. **In vitro study of nano-sized zinc doped bioactive glass**
Goh Y., Alshemary A. Z. G. , Akram M., Abdul Kadir M. R. , Hussain R.
Materials Chemistry and Physics, vol.137, pp.1031-1038, 2013 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **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, 2017 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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
- III. **Characterization and in vitro bioactivity of multisubstituted hydroxyapatite nanopowders**
ALSHEMERY A. Z. G., EVİS Z.
1st International Conference of Advanced Materials and Manufacturing Technologies, safranbolu, Turkey, 25 - 27 October 2017
- IV. **Cr³/SiO₄⁴⁻ codoped hydroxyapatite nanorods: fabrication and microstructure analysis**
ALSHEMERY A. Z. G., EVİS Z.
ICNNN 2017: 19th International conference on nanobiotechnology, nanodevices and nanodrugs, roma, Italy, 17 - 18 July 2017
- V. **Microstructure Analysis of Cu₂/SiO₄⁴⁻ Co-doped Nanohydroxyapatite**
ÖNCÜ S., YEDEKÇİ B., ALSHEMERY A. Z. G., TEZCANER A., KESKİN D., EVİS Z.
22nd Biomedical Science and Technology Symposium, 12 - 14 May 2017
- VI. **Investigation of Osteogenic Potential of Silicate Hydroxyapatite Particles in Electrospun PCL Scaffold.**
DALGIÇ A. D., ALSHEMERY A. Z. G., TEZCANER A., EVİS Z., KESKİN D.
22st International Biomedical Science and Technology Symposium, 12 - 14 May 2017
- VII. **Evaluation of cytotoxicity effect of boron modified bioactive glass nanoparticles on human dental pulp stem cells**
MOONESİ RAD R., ALSHEMERY A. Z. G., KESKİN D., EVİS Z., SILA Ş., TEZCANER A.
22nd International Biomedical Science and Technology Symposium, Ankara, Turkey, 12 - 14 May 2017

Supported Projects

- ALSHEMERY A. Z. G., Project Supported by Higher Education Institutions, Bactericidal Activity and In Vitro Cytotoxicity Assessment of Cobalt-Doped Nano Silicate Hydroxyapatite, 2018 - 2020
- ALSHEMERY A. Z. G., Project Supported by Higher Education Institutions, Nanocrystalline Zn²⁺ and SO₄²⁻ Binary Doped Fluorohydroxyapatite: A Novel Biomaterial With Enhanced Osteoconductive and Osteogenic Properties, 2017 - 2019
- ALSHEMERY A. Z. G., Project Supported by Higher Education Institutions, Yük taşıyıcı kemik doku mühendislik uygulamaları için doğal zeolit-şablonlu hidroksiapatitin üç boyutlu gözenekli iskelesi, 2017 - 2018
- ALSHEMERY A. Z. G., Project Supported by Higher Education Institutions, Cr³⁺ SiO₄⁴⁻ codoped Hydroxyapatite Nanorods: Fabrication and Microstructure Analysis, 2017 - 2017

Citations

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