

Asst. Prof. ERKİN AYDIN

Personal Information

Email: erkin.aydin@agu.edu.tr

Education Information

Post Doctorate, Massachusetts Institute Of Technology, Koch Institute For Integrative Cancer Research, United States Of America 2013 - 2015

Doctorate, Abdullah Gül Üniversitesi, Fen Bilimleri Enstitüsü, Biyoteknoloji, Turkey 2003 - 2010

Post Graduate, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Biyokimya, Turkey 1999 - 2002

Under Graduate, Orta Doğu Teknik Üniversitesi, Fen Ebediyat, Biyoloji, Turkey 1994 - 1999

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Health&Medicine, Deneysel Hayvanlar Kullanım Sertifikası, Erciyes Üniversitesi ERSEM, 2015

Dissertations

Doctorate, Biodegradable Polymer – Hydroxyapatite Nanocomposites for Bone Plate Applications, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Biyoteknoloji, 2010

Post Graduate, Isolation of Esculetin from Aesculus Hippocastanum L. And Its Antioxidant Effects on Microsomal Lipid Peroxidation, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enst, Biyokimya, 2002

Research Areas

Health Sciences, Medicine, Fundamental Medical Sciences, Medical Biology, Internal Medicine Sciences, Pharmacology and Clinical Pharmacology, Pharmacology and Therapeutics, Pharmaceuticals Technology, Pharmaceutical Biotechnology, Biomedical Engineering, Biomechanics, Artificial Organs and Biomaterials, Chemical Engineering and Technology, Biotechnology, Tissue Engineering, Stem Cell Engineering, Metallurgical and Materials Engineering, Material science and engineering, Composites, Polymeric Materials, Biomaterials, Nanomaterials, Life Sciences, Biochemistry, Biomolecules, Biotechnology, Biomaterial, Biosensor, Animal Biology, Animal Tissue Culture, Animal Pathology, Molecular Biology and Genetics, Molecular Biology of Cancer, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Abdullah Gül Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Malzeme Bilimi Ve Nanoteknoloji Mühendisliği, 2018 - Continues

Assistant Professor, Abdullah Gül Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Malzeme Bilimi Ve Nanoteknoloji Mühendisliği, 2011 - 2018

Other, Massachusetts Institute Of Technology, Koch Institute For Integrative Cancer Research (As Visiting Scientist), Robert Langer Labs, 2013 - 2015

Professional Experience

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

- **Histopathological and biomechanical evaluation of tenocyte seeded allografts on rat Achilles tendon regeneration**
Gungormus C., Kolankaya D., AYDIN E.
BIOMATERIALS, vol.51, pp.108-118, 2015 (Journal Indexed in SCI)
- **Hydroxyapatite Nanorod – Reinforced Biodegradable Poly(L-lactic acid) Composites for Bone Plate Applications**
AYDIN E., Planell J. A. , Hasirci V.
Journal of Materials Science:JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.22, pp.2413-2427, 2011 (Journal Indexed in SCI)
- **The role of multiple toll-like receptor signalling cascades on interactions between biomedical polymers and dendritic cells**
Shokouhi B., Coban C., Hasirci V., AYDIN E., Dhanasingh A., Shi N., Koyama S., Akira S., Zenke M., Sechi A. S.
BIOMATERIALS, vol.31, pp.5759-5771, 2010 (Journal Indexed in SCI)
- **Nanobiomaterials: a review of the existing science and technology, and new approaches**
Hasirci V., Vrana E., Zorlutuna P., Ndreu A., Yilgor P., Basmanav B., AYDIN E.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.17, pp.1241-1268, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Development of a Nanoparticle-Embedded Chitosan Sponge for Topical and Local Administration of Chemotherapeutic Agents**
Goldberg M., Manzi A., Aydin E., Singh G., Khoshkenar P., Birdi A., LaPorte B., Krauskopf A., Powell G., Chen J., et al.
Journal of Nanotechnology in Engineering and Medicine, vol.5, 2014 (Refereed Journals of Other Institutions)
- **Biodegradable Hard Tissue Implants**
AYDIN E., Hasirci V.
Journal of Siberian Federal University, Biology, vol.3, pp.3-17, 2010 (International Refereed University Journal)

Supported Projects

AYDIN E., TUBITAK Project, Nanoparçacık Temelli Bağırsaktan İlaç Taşıma Sistemlerinin Organoid Kültürlerinde Değerlendirilmesi, 2017 - Continues

AYDIN E., TUBITAK Project, NANOPARTICULAR DELIVERY SYSTEM FOR BUCCAL DELIVERY OF CISPLATIN FOR ORAL CANCER, 2013 - 2015

Activities in Scientific Journals

Journal of Biosensors and Bioelectronics, Editor, 2014 - Continues

Scientific Refereeing

Journal of Clinical Pharmacology: Advances and Applications, SCI Journal, October 2016

September 2016

November 2015

April 2015

Drug Design, Development and Therapy , National Scientific Refreed Journal, February 2015

Drug Design, Development and Therapy , SCI Journal, January 2015

Turkish Journal of Biochemistry , SCI Journal, January 2015

Asian Journal of Pharmaceutics, SCI Journal, January 2015

BioMed Research International , SCI Journal, January 2015

International Journal of Nanomedicine , SCI Journal, January 2015

Invited Congress and Symposium Activities

1. Yaşam Bilimleri Sempozyumu, Attendee, Kayseri, Turkey, 2016

Citations

Total Citations (WOS):109

h-index (WOS):3

Scholarships

2219 Yurtdışı Doktora Sonrası Araştırma Bursu, TÜBİTAK, 2013 - Continues