

Asst. Prof. ERKİN AYDIN

Personal Information

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International Researcher IDs

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Education Information

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

Doctorate, Abdullah Gul University, Fen Bilimleri Enstitüsü, Biyoteknoloji, Turkey 2003 - 2010

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyokimya, Turkey 1999 - 2002

Undergraduate, Middle East Technical University, Fen Ebediyat, Biyoloji, Turkey 1994 - 1999

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Health&Medicine, Deneysel Hayvanları 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

Postgraduate, 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, Pharmaceutics 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 Gul University, Mühendislik Ve Doğa Bilimleri Fakültesi, Malzeme Bilimi Ve Nanoteknoloji Mühendisliği, 2018 - Continues

Assistant Professor, Abdullah Gul University, 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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Prevention of cisplatin-induced nephrotoxicity by kidney-targeted siRNA delivery**
AYDIN E., CEBECİ AYDIN A., LEKESİZCAN A.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.628, 2022 (SCI-Expanded)
- II. **Histopathological and biomechanical evaluation of tenocyte seeded allografts on rat Achilles tendon regeneration**
Gungormus C., Kolankaya D., Aydın E.
BIOMATERIALS, vol.51, pp.108-118, 2015 (SCI-Expanded)
- III. **Hydroxyapatite Nanorod – Reinforced Biodegradable Poly(L-lactic acid) Composites for Bone Plate Applications**
AYDIN E., Planell J. A., Hasırcı V.
Journal of Materials Science: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.22, no.11, pp.2413-2427, 2011 (SCI-Expanded)
- IV. **The role of multiple toll-like receptor signalling cascades on interactions between biomedical polymers and dendritic cells**
Shokouhi B., Coban C., Hasırcı V., AYDIN E., Dhanasingh A., Shi N., Koyama S., Akira S., Zenke M., Sechi A. S.
BIOMATERIALS, vol.31, no.22, pp.5759-5771, 2010 (SCI-Expanded)
- V. **Nanobiomaterials: a review of the existing science and technology, and new approaches**
Hasırcı V., Vrana E., Zorlutuna P., Ndreu A., Yılgor P., Basmanav B., AYDIN E.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.17, no.11, pp.1241-1268, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Development of a Nanoparticle-Embedded Chitosan Sponge for Topical and Local Administration of Chemotherapeutic Agents**
Goldberg M., Manzi A., Aydın 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, no.4, 2014 (Scopus)
- II. **Biodegradable Hard Tissue Implants**
AYDIN E., Hasırcı V.
Journal of Siberian Federal University, Biology, vol.3, no.1, pp.3-17, 2010 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **INTESTINAL MICROBIAL DIVERSITY CHANGES SIGNIFICANTLY ON A WESTERN DIET**
ULUTAŞ M. S., Doğan O., Gürakan G. C., AYDIN E., CEBECİ AYDIN A.
Targeting Microbiota 2018, 28 - 30 October 2018

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

Metrics

Publication: 8

Citation (WoS): 111

Citation (Scopus): 124

H-Index (WoS): 3

H-Index (Scopus): 4

Congress and Symposium Activities

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

Scholarships

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

Non Academic Experience

Business Organization (private), Senior Scientist At Privo Technologies Llc, Ma, Usa.