

Personal Information

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Education Information

Doctorate, Anadolu University, Institute Of Science, Turkey 2007 - 2011

Post Graduate, Eskisehir Osmangazi University, Institute Of Health Sciences, Turkey 2003 - 2006

Under Graduate, Eskisehir Osmangazi University, Faculty Of Science And Letters, Department Of Biology, Turkey 1998 - 2002

Dissertations

Doctorate, Buğday çeşitlerinde ağır metal stresinin hücre bölünmesi ve antioksidan enzim seviyeleri üzerine ekotoksikolojik etkileri, Anadolu University, Institute Of Science, 2011

Post Graduate, MCF-7 ve NIH-3T3 hücrelerinde quercetin (3,3',4',5,7 pentohidroksiflavon)'in telomeraz enzim aktivitesi yönünden etkilerinin tamoksifen ile kontrollü olarak değerlendirilmesi, Eskisehir Osmangazi University, Institute Of Health Sciences, 2006

Research Areas

Health Sciences, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Kocaeli University, Kocaeli Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler, 2019 - Continues

Assistant Professor, Erzincan Binali Yıldırım University, 2002 - 2019

Assistant Professor, Koc University, Faculty Of Science, Department Of Chemistry, 2018 - 2018

Assistant Professor, Bogazici University, Institute Of Biomedical Engineering, 2013 - 2016

Professional Experience

Head of Department, Kocaeli University, Kocaeli Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler, 2019 - Continues

Assistant Director of Vocational School, Kocaeli University, Kocaeli Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler, 2019 - Continues

Vice Dean, Erzincan Binali Yıldırım University, 2018 - 2019

Head of Department, Erzincan Binali Yıldırım University, 2013 - 2016

Head of Department, Erzincan Binali Yıldırım University, 2012 - 2015

Advising Theses

Ak Can A., Garipcan B., Amino acid conjugated alginate-graphene oxide scaffolds, Post Graduate, E.ŞAHİN(Student), 2017

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

- **Photobiomodulation effects on osteogenic differentiation of adipose-derived stem cells**
Bolukbasi Ates G., Ak A., Garipcan B., Gulsoy M.
CYTOTECHNOLOGY, 2020 (Journal Indexed in SCI)
- **Design, synthesis, and antitumor evaluation of novel methylene moiety-tethered tetrahydroquinoline derivatives**
Hanashalshahaby E. H. A. , ÜNALEROĞLU C., Ak Can A., Özgün A., GariPcan B.
Turkish Journal of Chemistry, vol.43, pp.1552-1569, 2019 (Journal Indexed in SCI)
- **Comparison of SBF and DMEM in terms of electrochemical properties of common metallic biomaterials**
Bayrak Ö., Ghahramanzadeh Asl H., Ak A.
Materials and Corrosion, 2019 (Journal Indexed in SCI)
- **Indocyanine green-mediated photobiomodulation on human osteoblast cells**
Ates G. B. , Ak A., Garipcan B., Gulsoy M.
LASERS IN MEDICAL SCIENCE, vol.33, pp.1591-1599, 2018 (Journal Indexed in SCI)
- **Dose-dependent photochemical/photothermal toxicity of indocyanine green-based therapy on three different cancer cell lines**
Ruhi M. K. , Ak A., Gülsoy M.
Photodiagnosis and Photodynamic Therapy, vol.21, pp.334-343, 2018 (Journal Indexed in SCI)
- **DIFFERENT EFFECTS OF HEAVY METALS ON PHYSIOLOGICAL AND BIOCHEMICAL PARAMETERS IN WHEAT VARIETIES**
Ak A., Yucel E.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, pp.1086-1094, 2018 (Journal Indexed in SCI)
- **Methylene blue mediated photobiomodulation on human osteoblast cells**
Ates G. B. , Ak A., Garipcan B., Gulsoy M.
LASERS IN MEDICAL SCIENCE, vol.32, pp.1847-1855, 2017 (Journal Indexed in SCI)
- **Design, synthesis and cytotoxic evaluation of beta-aryl-alpha-dimethoxyphosphoryl-gamma-lactams**
Cinar S., ÜNALEROĞLU C., Ak A., Garipcan B.
MEDICINAL CHEMISTRY RESEARCH, vol.26, pp.1022-1028, 2017 (Journal Indexed in SCI)
- **Investigation of photobiomodulation potentiality by 635 and 809 nm lasers on human osteoblasts**
Ates G. B. , Can A., Gulsoy M.
LASERS IN MEDICAL SCIENCE, vol.32, pp.591-599, 2017 (Journal Indexed in SCI)
- **Cytotoxic effects of different ICG concentrations and laser parameters on neuroblastoma**
Ak A., Kaya Ö., Cosan D., Gülsoy M.
Acta Physica Polonica A, vol.128, pp.381-383, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- **One health approach to decreasing biodiversity and the problem of emerging zoonotic diseases**
Taştan R., Ak Can A.
Biological Diversity and Conservation, vol.12, pp.95-102, 2019 (Refereed Journals of Other Institutions)
- **Farklı Hücre Dizilerinde 808 nm Laser Uygulaması ve DNA Sentezi**
AK CAN A.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, pp.1301-1306, 2019 (Other Refereed National Journals)
- **One-Step Injectable and Bioreducible Poly(β -Amino Ester) Hydrogels as Controlled Drug Delivery Platforms**
BİNGÖL H. B. , ALTUNCU M. S. , duman f. d. , AK CAN A., GÜLYÜZ Ü., YAĞCI ACAR H., OKAY O., AVCI SEMİZ D.
ACS APPLIED POLYMER MATERIALS, vol.1, pp.1724-1734, 2019 (Journal Indexed in ESCI)
- **PC-3 Prostat Kanseri Hücreleri Üzerinde İndosyanin Yeşili Kullanarak Yapılan Fotodinamik Terapinin AO/PI Boyama Testi Sonuçları**
RUHİ M. K. , CAN A., GÜLSOY M.

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.0, pp.10, 2017 (Refereed Journals of Other Institutions)

- **Photodynamic Therapy as a New Treatment Approach in Cancer**
AK CAN A.
International of Oncology and Cancer Therapy, 2016 (Refereed Journals of Other Institutions)
- **Laser Light Induced Cytotoxicity on Normal and Cancer Cell Lines**
CAN A., bölükbaşı ateş g., GÜLSOYM., KAYA Ö., SOLMAZ H.
International Journal of Oncology and Cancer Therapy, 2016 (Refereed Journals of Other Institutions)
- **Indocyanine green mediated photodynamic therapy on glioblastoma cells in vitro**
CAN A., KAYA Ö., TURGUT COŞAN D., GÜLSOYM.
International journal of Applied Mathematics, Electronics and Computers, vol.3, pp.133-135, 2015 (Refereed Journals of Other Institutions)
- **Relationship between Seed Germination and Catalase Enzyme Activity of Abies taxa from Turkey**
CAN A., YÜCEL E., AYAN S.
KASTAMONU UNIVERSITY JOURNAL OF FORESTRY FACULTY, vol.12, pp.185-188, 2012 (Refereed Journals of Other Institutions)
- **Determining the usage ways and nutrient contents of some wild plants around Kisecik Town Karaman Turkey**
YÜCEL E., Tapırdamaz A., Yücel Şengün İ., Yılmaz G., CAN A.
Biological Diversity and Conservation, vol.4, pp.71-82, 2011 (Refereed Journals of Other Institutions)
- **Ecotoxicological effects of heavy metal stress on antioxidant enzyme levels of Triticum aestivum cv Alpu**
CAN A., YÜCEL E.
Biological Diversity and Conservation, vol.4, pp.19-24, 2011 (Refereed Journals of Other Institutions)
- **Alfa Sinüklein ve Parkinson**
Başaran A., BAYRAM B., CAN A.
Sendrom, vol.21, pp.55-63, 2009 (Other Refereed National Journals)

Book & Book Chapters

- **in: Advanced Surfaces For Stem Cell Research**
CAN A., Bölükbaşı Ateş G.
Silk as Natural Biopolymer for Tissue Engineering, Ashutosh Tiwari, Bora Garipcan, Lokman Uzun, Editor, Scriver Publishing, pp.381-396, 2016

Refereed Congress / Symposium Publications in Proceedings

- **Antimicrobial Resistance Problem at the Human Animal Environment Interface and One Health Approach**
Taştan R., Karadenizli A., Ak Can A.
International Marmara Sciences Congress (IMASCON 2019 Autumn), Kocaeli, Turkey, 1 - 03 Kasım 2019, vol.1263
- **In vitro Sensitivity of Three Different Cancer Cell Lines to Indocyanine Green-Based Photodynamic Therapy**
RUHİ M. K. , AK CAN A., GÜLSOYM.
16 th World Congress IPA, 8 - 13 Haziran 2017
- **First Evidence Supporting “Genometastasis Hypothesis” in Co-culture Systems.**
DAL A., TURGUT COŞAN D., CAN A., MUTLU F.
The European Human Genetics Conference, 27 - 30 Mayıs 2017
- **Efficiency of photodynamic therapy using indocyanine green and infrared light on MCF-7 breast cancer cells in vitro**
RUHİ M. K. , CAN A., GÜLSOYM.
Optical Methods for Tumor Treatment and Detection: Mechanisms and Techniques in Photodynamic Therapy XXV, San Francisco, California, United States, 13 - 18 Şubat 2016
- **The Effect of Fmoc Amino acid Modification of Reduced Graphene Oxide Ti Surfaces on Osteoblast**

Functions

Dönmez E., Nacar F., CAN A., Aslı E., GARİPCAN B., ÜSTÜNDAĞ Z.

Advanced Materials World Congress, 23 - 26 Ağustos 2015

- **Which Particle Sizes and Nutrient Media Should be Used to Identify The Presence of Microorganisms in the Operating Rooms**
ÜLGEN A. Y. , Yalvarmış S., CAN A.
1st Conference on Medical and Biological Engineering in Bosnia and Herzegovina, 13 - 15 Mart 2015
- **Controversial effects of low level laser irradiation on the proliferation of human osteoblast**
Gamze B. A. , CAN A., GARİPCAN B., Yüksel Ş., GÜLSOY M.
Spie, 7 - 08 Şubat 2015
- **Temperature monitored low dose ICG-PDT treatment of neuroblastoma cell lines**
KAYA Ö., AK CAN A., GÜLSOY M.
IEEE Conference Publication, 16 - 17 Ekim 2014
- **Meme Kanseri Hücre Dizisi Üzerine Metilen Mavisi ile fotodinamik Terapi Uygulamasının Etkileri**
Bölükbaşı Ateş G., AK CAN A., GARİPCAN B., GÜLSOY M.
BİYOMUT 2014, Turkey, 16 - 17 Ekim 2014
- **809 nm Laser Biyo-Uyarımı ile Fibroblast Hücre Canlılığının ve Proliferasyonunun İncelenmesi**
SOLMAZ H., Bölükbaşı Ateş G., AK CAN A., GÜLSOY M., ÜLGEN A. Y.
BİYOMUT 2014, Turkey, 16 - 17 Ekim 2014
- **Arpa Çeşitlerinde Ağır Metal Stresinin Antioksidan Enzim Seviyeleri Üzerine Ekotoksikolojik Etkileri**
AK CAN A., YÜCEL E.
22.Ulusal Biyoloji Kongresi, Turkey, 23 - 27 Haziran 2014
- **Inhibition of Neuroblastoma Cell Proliferation with Wasp Venom: An In Vitro Study**
AK CAN A., ALTUNTAŞ H., TURGUT COŞAN D.
EACR- Sponsored 2nd Anticancer Agents Congress and 5th Multidisciplinary Cancer Research Congress, 23 - 27 Nisan 2014
- **Anti-proliferative effects of parasitoid venom on rat glioblastoma cells**
AK CAN A., ALTUNTAŞ H., TURGUT COŞAN D., ERGİN E.
EACR- Sponsored 2nd Anticancer Agents Congress and 5th Multidisciplinary Cancer Research Congress, 23 - 27 Nisan 2014

Citations

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