

Prof. AYŞE GÜLTEN KANTARCI

Personal Information

Email: gulten.kantarci@ege.edu.tr

Web: <https://avesis.ege.edu.tr/gulten.kantarci>

Education Information

Doctorate, Ege Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Mikrobiyoloji (YI), Turkey 1980 - 1987

Under Graduate, Ege Üniversitesi, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1974 - 1978

Research Areas

Health Sciences, Pharmacology and Therapeutics, Pharmaceutics Technology, Pharmaceutical Biotechnology

Academic Titles / Tasks

Professor, Ege Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2013 - Continues

Professional Experience

Head of Department, Ege Üniversitesi, Eczacılık Teknolojisi, Eczacılık Teknolojisi, 2018 - Continues

Head of Department, Ege Üniversitesi, Eczacılık Teknolojisi, Eczacılık Teknolojisi, 2015 - 2018

Advising Theses

KANTARCI A. G. , Glioblastoma Multiforme tedavisinde kullanılmak üzere siRNA taşıyıcı sistemlerin geliştirilmesi ve etkinliklerinin değerlendirilmesi, Doctorate, G.EREL(Student), 2018

KANTARCI A. G. , Yeni bir manyetik nanopartikül üretim yöntemi ve manyetik alan düzenlemeleri altında manyetofeksiyon, Doctorate, H.AKBABA(Student), 2016

KANTARCI A. G. , Oral uygulama amacıyla insülin taşıyıcı sistemlerin hazırlanması, karakterizasyonu ve salım çalışmaları, Post Graduate, G.EREL(Student), 2015

KANTARCI A. G. , Dermal uygulama amacıyla DNA taşıyıcı sistemlerin hazırlanması, Post Graduate, U.KARAGÖZ(Student), 2014

KANTARCI A. G. , İlaç direncine karşı shrna kodlayan dna taşıyıcı sistemlerin formülasyonu ve in vitro değerlendirilmesi, Doctorate, M.KOTMAKÇI(Student), 2013

KANTARCI A. G. , DNA taşıyıcı sistem geliştirme amacıyla manyetik nanopartikül formülasyonların hazırlanması, Post Graduate, T.YILMAZ(Student), 2012

KANTARCI A. G. , Gen tedavisi amacıyla DNA yüklü katı lipid nanopartikül formülasyonlarının hazırlanması, Post Graduate, H.AKBABA(Student), 2010

KANTARCI A. G. , Vücut organlarına hedefleme amacıyla hazırlanan Mitomisin-C yüklü taşıyıcı sistemlerin organizmada biyodağılımının incelenmesi, Post Graduate, M.KOTMAKÇI(Student), 2009

ARTICLES PUBLISHED IN JOURNALS THAT ENTERED SCI, SSCI AND AHCI INDEXES

- I. **A promising approach to develop nanostructured lipid carriers from solid lipid nanoparticles: preparation, characterization, cytotoxicity and nucleic acid binding ability**
Oner E., KOTMAKÇI M., KANTARCI A. G.
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, 2020 (Journal Indexed in SCI)
- II. **Comparison of different w o microemulsions contain diclofenac sodium preparation characterization release rate and skin irritation studies**
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- III. **Transdermal Delivery of Diclofenac Sodium Through Rat Skin from Various Formulations**
ÖZGÜNEY I., KARASULU H. Y. , KANTARCI A. G. , SÖZER KARADAĞLI L. S. , GÜNERİ T., ERTAN G.
AAPSPHarmSciTech, vol.7, 2006 (Journal Indexed in SCI Expanded)
- IV. **In Vitro Permeation of Diclofenac Sodium from Novel Microemulsion Formulations Through Rabbit Skin**
KANTARCI A. G. , ÖZGÜNEY I., KARASULU H. Y. , GÜNERİ T., BAŞDEMİR G.
Drug Development Research, vol.65, pp.1-9, 2005 (Journal Indexed in SCI Expanded)
- V. **Preparation of arsenic trioxide-loaded microemulsion and its enhanced cytotoxicity on MCF-7 breast carcinoma cell line**
KARASULU H. Y. , KARABULUT B., KANTARCI A. G. , ÖZGÜNEY I., SEZGİN C., ŞANLI U. A. , GÖKER E.
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Articles Published in Other Journals

- I. **Preparation, characterization and evaluation of solid lipid nanoparticles and niosomes for ING4 gene delivery to MCF-7 cells**
Karagoz U., KANTARCI A. G.
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- II. **MUTASYON DNA HASARI ONARIM MEKANİZMALARI VE KANSERLE İLİŞKİSİ**
DEBELEÇ BÜTÜNER B., KANTARCI A. G.
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- III. **İzmir Yöresindeki Yabani Lavandula stoechas L subsp stoechas Taksonundan Elde Edilen Uçucu Yağın Bileşimi Antibakteriyal Antifungal ve Antioksidan Kapasitesi**
ÖZTÜRK B., KONYALIOĞLU S., KANTARCI A. G. , ÇETİNKOL D.
Anadolu Ege Tarımsal Araştırma Enstitü Dergisi, vol.15, pp.61-72, 2005 (Other Refereed National Journals)
- IV. **Phase Behaviour of Microemulsion Systems Containing Short Chain Alcohols as Cosurfactants**
KANTARCI A. G. , KARASULU H. Y. , ÖZGÜNEY I., GÜNERİ T.
Acta Pharmaceutica Turcica, pp.77-85, 2002 (Refereed Journals of Other Institutions)
- V. **In vitro Dissolution Studies on Sustained Release Dosage Forms of Ampisilin and Amoxycillin**
Ertan G., Özgüney I., Karasulu H. Y. , Aşıkoğlu M., Kantarcı A. G.
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- VI. **Kalsiyum Hidroksit Preparatlarının Antibakteriyal Etkileri.**
Gökay N., ÇALIŞKAN M. K. , KANTARCI A. G. , ELTEM R.
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Books & Book Chapters

- I. **Aşılar**
ŞENEL S., BOZKIR A., ÖNER A. F. , KARAAĞAOĞLU A. E. , KANTARCI A. G. , VURAL İ., ALPAR C. R. , GÜRSOY R. N. , BİLGE DAĞALAP s., GÜRHAN S. İ. , et al.
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- II. **Non-viral systems for gene delivery; Up to date, Nanotechnology in Progress**
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in: Nanotechnology in progress:Pharmaceutical plications, Şenyiğit T, Özcan i., Özer Ö., Editor, Research Signpost, Kerala, pp.177-208, 2012
- III. **Multiple Emulsions in Biomedical and Biotechnological Applications**
Özer Ö., KANTARCI A. G.
in: Colloids in Biotechnology, Fanun M., Editor, Crc Press, Taylor And Francis, Usa, -, pp.331-343, 2010

Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of the effect of solid and cationic lipids on siRNA delivery systems**
ÖNER E., KOTMAKÇI M., DEBELEÇ BÜTÜNER B., KANTARCI A. G.
Uluslararası Bio Türkiye kKongresi 2020, 5 - 07 March 2020
- II. **Development of SIRT1 siRNA-carrying liposomes for treatment of prostate cancer**
DEBELEÇ BÜTÜNER B., ÖNER E., KOTMAKÇI M., KANTARCI A. G.
Uluslararası Bio Türkiye Kongresi 2020, 5 - 07 March 2020
- III. **Evaluation of the cationic solid lipid nanoparticles carrying siRNA against EphA2 receptor as non-viral delivery systems**
ÖNER E., KOTMAKÇI M., Gray S., Baird A., DEBELEÇ BÜTÜNER B., KANTARCI A. G. , Finn S.
ESGCT 27th Annual Congress In collaboration with SETGyC, 22 - 25 October 2019, vol.30, pp.200-201
- IV. **Solid Lipid Nanoparticle complexes with plasmid or oligonucleotide for miR-34a delivery**
KOTMAKÇI M., DÜZGÜN Z., BOZOK ÇETİNTAŞ V., KANTARCI A. G.
Uluslararası İVEK-BIO Kongresi, İstanbul, Turkey, 26 November 2018, pp.1
- V. **Solid Lipid Nanoparticle (SLN) Complexes with Plasmid or Oligonucleotide for miR-34a Delivery**
KOTMAKÇI M., DÜZGÜN Z., BOZOK ÇETİNTAŞ V., Karagoz U., KANTARCI A. G.
Uluslararası İVEK-BIO kongresi, 26 - 28 November 2018
- VI. **Nanoparticle systems for the delivery of recombinant proteins and nucleic acids**
KANTARCI A. G.
Uluslararası İVEK BİO Kongresi 2018, 26 - 28 November 2018
- VII. **Radiation-Induced Targeted Nanoparticle Based Gene Delivery For Brain Tumors**
EREL AKBABA G., AKBABA H., KANTARCI A. G. , TANNOUS B. A.
23rd Annual Meeting of Neuro-Oncology, United States Of America, 15 - 18 November 2018
- VIII. **Ege Üniversitesi Eczacılık Fakültesi Lisans Eğitimi Programı'nın EczÇEP'le ve Ulusal Standartlarla Uyumunu Geliştirme, Öğretim ve Değerlendirme Süreçlerini İyileştirme Projesi**
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. II. Ulusal Eczacılık Eğitimi ve Akreditasyon Kongresi, Eskişehir, Turkey, 10 May 2018, pp.13
- IX. **Ege Üniversitesi Eczacılık Fakültesi Eğitim Programı İyileştirme ve Geliştirme Projesi Kapsamında Yapılan Eczacılık Mesleği Görev Analizi Çalışması**
ALPTÜZÜN V., AŞIKOĞLU M., BALOĞLU E., BAŞPINAR Y., BOZKURT B., ÇETİN UYANIKGİL E. Ö. , DEMİRAL YILMAZ N., DURAK H. İ. , ELGİN CEBE G., ERAÇ B., et al.
. II. Ulusal Eczacılık Eğitimi ve Akreditasyon Kongresi, Eskişehir, Turkey, 10 May 2018, pp.16
- X. **shRNA-encoding plasmid loaded solid lipid nanoparticles against 5- α reductase activity for the treatment of androgenic alopecia: Topical delivery and in vitro evaluation**
AKBABA H., EREL AKBABA G., KANTARCI A. G.
11th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, 19 - 22 March 2018
- XI. **Development and Evaluation of Monoclonal Antibody Fragment-attached Solid Lipid Nanoparticles for Targeted Delivery to Cancer Cells**
KOTMAKÇI M., KARAGOZ U., KANTARCI A. G.

2017 CRS Annual Meeting and Exposition, 16 - 19 July 2017

- XII. **Development of positive-charged solid lipid nanoparticles as siRNA delivery systems for treatment of glioblastoma**
EREL AKBABA G., AKBABA H., KOTMAKÇI M., KANTARCI A. G.
2017 CRS Annual Meeting and Exposition, 16 - 19 July 2017
- XIII. **Development of a device for regulating magnetic field with electromagnets for the in-vitro delivery of nucleic acid- associated magnetic nanoparticles**
AKBABA H., BAŞTÜRK O., KANTARCI A. G.
2017 CRS Annual Meeting and Exposition, 16 - 19 July 2017
- XIV. **An optimized procedure to obtain extracellular vesicles for delivering STAT3-suppressing short RNA molecules to NSCLC cells**
EREL AKBABA G., AKBABA H., KOTMAKÇI M., KANTARCI A. G.
2017 CRS Annual Meeting and Exposition, 16 - 19 July 2017
- XV. **Biyobenzer ve Biyoüstün İlaç Kavramları, Kabul Kriterleri Arasındaki Farklar**
KANTARCI A. G.
IVEK-BİO 2017, 26 April 2017 - 29 January 2018
- XVI. **A Novel Synthesis Method of Cationic Lipid Coated Magnetic Nanoparticles MNPs Characterization and Magnetofection**
AKBABA H., SELAMET Y., KANTARCI A. G.
1st International Symposium; Functional Nanomaterials in Industrial Applications: Academic – Industry Meet, 29 - 31 March 2016
- XVII. **A novel synthesis metho of cationic lipid coated magnetic nanoparticles MNPs Characterization and Magnetofection**
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Functional nanomaterials in industrial applications, 29 - 31 March 2016
- XVIII. **Solid lipid nanoparticle mediated gene silencing of 5 alpha reductase 2 for the treatment of androgenic alopecia**
AKBABA H., EREL G., KANTARCI A. G.
International Multidisciplinary Symposium on drug research and development, Turkey, 15 - 17 October 2014
- XIX. **CYTOTOXICITY EVALUATION of MICROEMULSION FORMULATIONS for ORAL INSULIN DELIVERY**
EREL G., AKBABA H., KANTARCI A. G.
International Multidisciplinary Symposium on Drug Research and Development, Eskişehir, Turkey, 15 - 17 October 2015
- XX. **Non-viral shRNA delivery system; Gene silencing of 5 alpha-Reductase 2 for the treatment of androgenic alopecia**
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- XXI. **Solid lipid nanoparticles for gene silencing in chemoresistant cancer cells**
KOTMAKÇI M., BOZOK ÇETİNTAŞ V., ERTAN G., KANTARCI A. G.
ESGCT and FSGT Collaborative Congress, Helsinki, 17 - 21 September 2015
- XXII. **Multiple emulsion can be used as microreactors for synthesizing cationic lipid coated magnetic nanoparticles for gene targeting**
AKBABA H., SELAMET Y., KANTARCI A. G.
ESGCT and FSGT Colloborative Congress Helsinki, Finland, 17 - 20 September 2015
- XXIII. **Development of non toxic cationic lipid coated magnetic nanoparticles MNP s for gene delivery with a novel method**
AKBABA H., UĞUR K., SELAMET Y., KANTARCI A. G.
1'st European Conference of Pharmaceutics Fransa, Reims, 13 - 14 April 2015
- XXIV. **In vivo evaluation of rh insulin loaded microemulsion as oral delivery system**
EREL G., KOTMAKÇI M., SÖZER KARADAĞLI L. S. , KANTARCI A. G.

1'st European Conference of Pharmaceutics, Fransa, Reims, 13 - 14 April 2015

- XXV. **Size variation of solid lipid nanoparticles prepared from various points of hot microemulsion phase diagrams**
KOTMAKÇI M., KANTARCI A. G.
2014 FIP World Congress, Bangkok, Thailand, 31 August 2014, pp.1
- XXVI. **Preparation of dna delivery systems for dermal gene delivery**
Karagöz U., KOTMAKÇI M., AKBABA H., KANTARCI A. G.
2014 FIP World Congress, Bangkok, Thailand, 31 August 2014, pp.1
- XXVII. **Determining antimicrobial potential of novel mitomycin C-loaded microemulsion systems**
KOTMAKÇI M., Öztürk İ., KANTARCI A. G. , ERMERTCAN Ş.
24th European Congress of Clinical Microbiology and Infectious Diseases, Barcelona, Spain, 10 May 2014, pp.1-2
- XXVIII. **Cytotoxicity Study on Cationic Solid Lipid Nanoparticles as DNA Delivery System**
AKBABA H., KOTMAKÇI M., Demir Dora D., KORKMAZ C., KANTARCI A. G.
8. Uluslararası Katılımlı Türk Toksikoloji Derneği Kongresi, Antalya, Turkey, 15 November 2012, pp.33
- XXIX. **Preparation of microemulsion systems for carbamazepine delivery**
KOTMAKÇI M., KANTARCI A. G.
AAPS Annual Meeting and Exposition 2012, Chicago, United States Of America, 14 October 2012, pp.1
- XXX. **Solid Lipid Nanoparticles from Hot Microemulsions: a Method to Screen Hot Pseudoternary Phase Diagram, and Size Quality of Selected Formulations**
KOTMAKÇI M., KANTARCI A. G.
16th International Pharmaceutical Technology Symposium 2012, Antalya, Turkey, 10 September 2012, pp.186-189
- XXXI. **Development of novel cationic solid lipid nanoparticles as gene delivery system: Characterization and transfection ability**
AKBABA H., Kotmakchiev M., Dora D. D. , KORKMAZ C., Kantarci G.
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, vol.22
- XXXII. **Development of novel precirol based cationic solid lipid nanoparticles by microemulsion dilution method as DNA delivery system**
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European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, vol.22
- XXXIII. **Determining in vitro anticancer activity of mitomycin C loaded microemulsion**
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- XXXIV. **In vitro Study of Hemolytic Potential of Microemulsion Formulation for Intravenous Delivery**
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- XXXV. **IN VITRO RELEASE AND IN VIVO GAMMA CAMERA IMAGING OF MITOMYCIN C- LOADED SOYBEAN OIL MICROEMULSION**
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KANTARCI A. G. , KOTMAKÇI M., Ertan G., Güneri T.
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2nd PharmSciFair 2009, Nice, France, 08 June 2009, pp.191
- XXXVIII. **Recombinational telomere elongation in telomerase deletion mutant of Kluyveromyces lactis**
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30th FEBS congress and 9th IUMB conference, 1 - 08 July 2005
- XXXIX. **Anew microcapsule form of ampicilin and amoxycilin**
AŞIKOĞLU M., ertan g., ÖZGÜNEY I., KARASULU H. Y. , KANTARCI A. G.

Supported Projects

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- KOTMAKÇI M., KANTARCI A. G. , AKBABA H., EREL AKBABA G., Project Supported by Higher Education Institutions, JEL FİLTREASYON KROMATOĞRAFİSİ YÖNTEMİYLE HÜCRE KÜLTÜRÜNDEN EKSTRASELÜLER VEZİKÜL İZOLASYONUNUN GELİŞTİRİLMESİ, 2016 - 2019
- KANTARCI A. G. , Project Supported by Higher Education Institutions, ANDROJENİK ALOPESİNİN ÖNLENMESİ AMACIYLA 5-? REDÜKTAZ ENZİMİNİN SHRNA KODLAYAN PLAZMİD DNA YÜKLÜ KATI LİPİD NANOPARTİKÜLLER ARACILIĞIYLA GEN İFADESİNİN BASKILANMASI, 2014 - 2016
- KANTARCI A. G. , Project Supported by Higher Education Institutions, DNA TAŞIYICI SİSTEMLERE BİYOFİZİKSEL BİR YAKLAŞIM YENİ BİR MANYETİK NANOPARTEKÜL ÜRETİM YÖNTEMİ VE MANYETİK ALAN DÜZENLEMELERİ ALTINDA MANYETOFEKSİYON, 2013 - 2016
- KANTARCI A. G. , Project Supported by Higher Education Institutions, DERMAL YOLLA DNA AKTARIMI AMACIYLA DNA TAŞIYICI SİSTEMLERİN HAZIRLANMASI, 2013 - 2015
- KANTARCI A. G. , Project Supported by Higher Education Institutions, DNA TAŞIYICI SİSTEMLER OLARAK LİPİD YAPIDA MANYETİK NANOPARTİKÜLFORMÜLASYONLARIN HAZIRLANMASI VE KARAKTERİZASYONU, 2011 - 2014
- KANTARCI A. G. , Project Supported by Higher Education Institutions, MİKROEMÜLSİYON TEKNİĞİYLE KATI LİPİD NANOPARTİKÜLLERİN HAZIRLANMASI, KAREKTERİZASYONU VE MODEL İLAÇ YÜKLEME ÇALIŞMALARI, 2011 - 2013
- KANTARCI A. G. , Project Supported by Higher Education Institutions, GEN TEDAVİSİ AMACIYLA DNA YÜKLÜ KATI LİPİT NANOPARTİKÜL FORMÜLASYONLARININ HAZIRLANMASI, 2009 - 2010
- KANTARCI A. G. , Project Supported by Higher Education Institutions, VÜCUT ORGANLARINA HEDEFLEME AMACIYLA HAZIRLANAN MITOMİSİN-C YÜKLÜ TAŞIYICI SİSTEMLERİN ORGANİZMADA BİYODAĞILIMININ İNCELENMESİ, 2008 - 2010
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Citations

Total Citations (WOS):188

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