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Publons / Web Of Science ResearcherID: AAA-8410-2020

ScopusID: 57191221798

Yoksis Araştırmacı ID: 336024

Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Nanoteknoloji ve Nanotıp A.B.D., Türkiye 2013 - 2018

Yüksek Lisans, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Nanoteknoloji ve Nanotıp A.B.D., Türkiye 2010 - 2013

Lisans, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, Türkiye 2005 - 2010

Araştırma Alanları

Sağlık Bilimleri

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Hacettepe Üniversitesi, Aşı Enstitüsü, 2021 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- Optimization and characterization of Rituximab targeted multidrug loaded cyclodextrin nanoparticles against Non-Hodgkin Lymphoma**
Demirturk N., VARAN G., KAĞA S., Malanga M., BİLENSOY E.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, 2024 (SCI-Expanded)
- Synergistic Antitumor Potency of a Self-Assembling Cyclodextrin Nanoplex for the Co-Delivery of 5-Fluorouracil and Interleukin-2 in the Treatment of Colorectal Cancer**
Akkn S., Varan G., Işık A., Gökşen S., Karakoç E., Malanga M., Esendağlı G., Korkusuz P., Bilensoy E.
PHARMACEUTICS, cilt.15, sa.2, ss.1-23, 2023 (SCI-Expanded)
- Insight into oral amphiphilic cyclodextrin nanoparticles for colorectal cancer: comprehensive mathematical model of drug release kinetic studies and antitumoral efficacy in 3D spheroid colon tumors**
ÜNAL S., VARAN G., Benito J. M., AKTAŞ Y., BİLENSOY E.
Beilstein Journal of Organic Chemistry, cilt.19, ss.139-157, 2023 (SCI-Expanded)

- IV. **A different approach to immunochemotherapy for colon Cancer: Development of nanoplexes of cyclodextrins and Interleukin-2 loaded with 5-FU**
Akkin S, VARAN G., AKSÜT D., Malanga M., ERCAN A., ŞEN M., BİLENSOY E.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, cilt.623, 2022 (SCI-Expanded)
- V. **A Review on Cancer Immunotherapy and Applications of Nanotechnology to Chemoimmunotherapy of Different Cancers**
Akkin S, VARAN G., BİLENSOY E.
MOLECULES, cilt.26, sa.11, 2021 (SCI-Expanded)
- VI. **Polycationic cyclodextrin nanoparticles induce apoptosis and affect antitumoral activity in HepG2 cell line: An evaluation at the molecular level**
ERCAN A., ÇELEBİER M., ÖNCÜL S., VARAN G., KOÇAK E., Benito J. M., BİLENSOY E.
International Journal of Pharmaceutics, cilt.598, 2021 (SCI-Expanded)
- VII. **Erlotinib entrapped in cholesterol-depleting cyclodextrin nanoparticles shows improved antitumoral efficacy in 3D spheroid tumors of the lung and the liver**
Varan G., Demirturk N., Benito J. M., BİLENSOY E.
Journal of Drug Targeting, cilt.29, sa.4, ss.439-453, 2021 (SCI-Expanded)
- VIII. **Therapeutic efficacy and biodistribution of paclitaxel-bound amphiphilic cyclodextrin nanoparticles: Analyses in 3D tumor culture and tumor-bearing animals in vivo**
Varan G., Varan C., Öztürk S. C., Benito J. M., Esendağlı G., Bilensoy E.
Nanomaterials, cilt.11, sa.2, ss.1-18, 2021 (SCI-Expanded)
- IX. **Erlotinib complexation with randomly methylated beta-cyclodextrin improves drug solubility, intestinal permeability, and therapeutic efficacy in non-small cell lung cancer**
Erdogar N., Akkin S., VARAN G., BİLENSOY E.
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, cilt.26, ss.797-806, 2021 (SCI-Expanded)
- X. **Cyclodextrin-Based Nanosystems: Current Status and Future Prospects**
VARAN C., Varan G., Erdogar N., BİLENSOY E.
DRUG DELIVERY NANOSYSTEMS: FROM BIOINSPIRATION AND BIOMIMETICS TO CLINICAL APPLICATIONS, ss.29-58, 2019 (SCI-Expanded)
- XI. **Plant-Based Natural Polymeric Nanoparticles as Promising Carriers for Anticancer Therapeutics**
Varan G., VARAN C., BİLENSOY E.
POLYMERIC NANOPARTICLES AS A PROMISING TOOL FOR ANTI-CANCER THERAPEUTICS, ss.293-318, 2019 (SCI-Expanded)
- XII. **Global omics strategies to investigate the effect of cyclodextrin nanoparticles on MCF-7 breast cancer cells**
ERCAN A., ÇELEBİER M., VARAN G., ÖNCÜL S., Nenni M., KAPLAN O., BİLENSOY E.
European Journal of Pharmaceutical Sciences, cilt.123, ss.377-386, 2018 (SCI-Expanded)
- XIII. **Cellular interaction and tumoral penetration properties of cyclodextrin nanoparticles on 3D breast tumor model**
Varan G., Patrulea V., Borchard G., BİLENSOY E.
Nanomaterials, cilt.8, sa.2, 2018 (SCI-Expanded)
- XIV. **Cyclodextrin-based polymeric nanosystems**
Erdogar N., Varan G., VARAN C., BİLENSOY E.
DRUG TARGETING AND STIMULI SENSITIVE DRUG DELIVERY SYSTEMS, ss.715-748, 2018 (SCI-Expanded)
- XV. **Amphiphilic cyclodextrin nanoparticles**
VARAN G., VARAN C., ERDOĞAR N., Hincal A. A., BİLENSOY E.
International Journal of Pharmaceutics, cilt.531, sa.2, ss.457-469, 2017 (SCI-Expanded)
- XVI. **Amphiphilic cyclodextrin derivatives for targeted drug delivery to tumors**
ERDOĞAR N., VARAN G., BİLENSOY E.
Current Topics in Medicinal Chemistry, cilt.17, sa.13, ss.1521-1528, 2017 (SCI-Expanded)
- XVII. **Development of polycationic amphiphilic cyclodextrin nanoparticles for anticancer drug delivery**
Varan G., Benito J. M., Mellet C. O., BİLENSOY E.

- Beilstein Journal of Nanotechnology, cilt.8, sa.1, ss.1457-1468, 2017 (SCI-Expanded)
- XVIII. **Cholesterol-Targeted Anticancer and Apoptotic Effects of Anionic and Polycationic Amphiphilic Cyclodextrin Nanoparticles**
VARAN G., ÖNCÜL S., ERCAN A., BENITO J. M., MELLET C. O., BİLENSOY E.
Journal of Pharmaceutical Sciences, cilt.105, sa.10, ss.3172-3182, 2016 (SCI-Expanded)
- XIX. **Cationic polymer nanoparticles for drug and gene delivery**
BİLENSOY E., IŞIK G., VARAN C.
RSC Polymer Chemistry Series, sa.13, ss.268-295, 2015 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Influenza/B Yamagata Strain and Influenza Vaccines**
SOYDAM S., VARAN G., ÜNAL S.
FLORA INFEKSİYON HASTALIKLARI VE KLİNİK MİKROBİYOLOJİ DERGİSİ, cilt.29, sa.2, ss.165-171, 2024 (ESCI)
- II. **Cyclodextrin in Vaccines: Enhancing Efficacy and Stability**
VARAN G.
FUTURE PHARMACOLOGY, sa.3, ss.597-611, 2023 (ESCI)
- III. **Three-Dimensional Cell Culture Methods in Infectious Diseases and Vaccine Research**
Varan G., Unal S.
Future Pharmacology, cilt.3, sa.1, ss.48-60, 2023 (Hakemli Dergi)
- IV. **Peptide Based Vaccine Strategies**
AYDIN S., VARAN G., ÜNAL S.
FLORA INFEKSİYON HASTALIKLARI VE KLİNİK MİKROBİYOLOJİ DERGİSİ, cilt.27, sa.2, ss.189-195, 2022 (ESCI)

Kitap & Kitap Bölümleri

- I. **Folate receptor-mediated targeted breast cancer nanomedicine**
Varan G., Varan C., Erdoğdu N., Bilensoy E.
Targeted Nanomedicine for Breast Cancer Therapy, Shivani Rai Paliwal, Rishi Paliwal, Editör, Academic Press , London, ss.153-169, 2022
- II. **Biodistribution of polymeric, polysaccharide and metallic nanoparticles**
Erdoğdu N., Varan G., Varan C., Bilensoy E.
Characterization of Pharmaceutical Nano- and Microsystems, Peltonen Leena, Douroumis Dennis, Fahr Alfred, Siepmann Jürgen, Snowden Martin J., Editör, John Wiley & Sons, West Sussex, UK , Cambridge, ss.275-290, 2020
- III. **Cyclodextrin Based Nano-Systems: Current Status and Future Prospects**
VARAN C., VARAN G., ERDOĞAR N., BİLENSOY E.
Drug Delivery Nanosystems: From Bioinspiration and Biomimetics to Clinical Applications, Pippa Natassa, Demetzos Costas, Pispas Stergios, Editör, Pan Stanford, ss.29-49, 2019
- IV. **Plant based natural polymer (Guar gum, pectin, starch, cellulose, cyclodextrins) nanoparticles as promising tool for anticancer therapeutics**
VARAN G., VARAN C., BİLENSOY E.
Polymeric Nanoparticles as a Promising Tool for Anti-cancer Therapeutics, Prashant Kesharwani, Kishore M. Paknikar, Virendra Gajbhiye, Editör, Academic Press, 2019
- V. **Cyclodextrin-based polymeric nanosystems**
ERDOĞAR N., VARAN G., VARAN C., BİLENSOY E.
Drug Targeting and Stimuli Sensitive Drug Delivery Systems, Alina M. Holban, Editör, William Andrew, ss.715-748, 2018

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Development and Characterization of Erlotinib-Randomly Methylated- β -cyclodextrin Complex for the Treatment of Non-small Lung Cancer**
ERDOĞDU N., Akkın S., VARAN G., BİLENSOY E.
13th International symposium of Pharmaceutical Science, Ankara, Türkiye, 22 - 25 Haziran 2021
- II. **A Metabolomic Study to Investigate the Effect of Folate Conjugated Nanoparticles on Triple Negative Breast Cancer Cells**
ERCAN A., ÇELEBİER M., varol ı., KAPLAN O., Varan G., ÖNCÜL S., KOÇAK E., BİLENSOY E.
EUFEPS Annual Meeting 2019 PERSONALIZED MEDICINES,TARGETED THERAPIES,PRECISION DRUG DELIVERY, 6 - 08 Mart 2019
- III. **The effect of polycationic amphiphilic cyclodextrin nanoparticles on mda-mb cancer cells: A metabolomic approach to understand the mechanism**
ÇELEBİER M., KAPLAN O., VARAN G., ÖNCÜL S., KOÇAK E., ERCAN A., BİLENSOY E.
12 th International symposium on pharmaceutical sciences, 26 Haziran 2018
- IV. **GENOMIC AND METABOLOMIC STUDIES OF POLYCATIONIC AMPHIPHILIC CYCLODEXTRIN NANOPARTICLES ON HEPG2 CELL LINE**
ERCAN A., ÇELEBİER M., Varan G., ÖNCÜL S., KOÇAK E., KAPLAN O., BİLENSOY E.
EUFEPS Annual Meeting 2018 Crossing Barriers for Future Medicines, 24 - 26 Mayıs 2018
- V. **Evaluation of Cholesterol-Targeted Amphiphilic Cyclodextrin Nanoparticles for Cancer Therapy**
VARAN G., ÖNCÜL S., ERCAN A., BENİTO J., MELLET C. O., BİLENSOY E.
Innovation in Medicine Meetings III Congress, 11 - 13 Mayıs 2017

Desteklenen Projeler

Aydın S., Ünal S., Tatar Yılmaz G., Özçubukçu S., Özkul A., Esendağlı G., Varan G., Türkiye Sağlık Enstitüleri Başkanlığı (TÜSEB) Araştırma Projesi, Covid 19'a Karşı Multiepitop (Wuhan, Delta, Omicron B.A/5) Sentetik Peptit Aşısı Araştırma Geliştirme Çalışması, 2023 - 2025

Aydın S., Varan G., Ünal S., Türkiye Sağlık Enstitüleri Başkanlığı (TÜSEB) Araştırma Projesi, Alt Birim Monkeypox Aşısı Araştırma ve Geliştirme Çalışması, 2023 - 2024

Metrikler

Yayın: 34

Atıf (WoS): 203

Atıf (Scopus): 225

H-İndeks (WoS): 7

H-İndeks (Scopus): 8

Akademi Dışı Deneyim

Cenevre Üniversitesi, Biyofarmasötik Bilimler Bölümü