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International Researcher IDs

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Education Information

Doctorate, Marmara University, Institute of Health Sciences, Department of Pharmaceutics Biotechnology, Turkey 2013 - 2022

Undergraduate, Marmara University, Faculty of Pharmacy, Eczacılık Pr., Turkey 2007 - 2012

Dissertations

Doctorate, Investigation of Therapeutic Efficiency of Ad5/Chitosan-PEG-Aptamer Nanocomplexes Delivering shPDGF-D in Breast Cancer Rat Model, Marmara University, Faculty of Pharmacy, Pharmaceutical Technology, 2022

Research Areas

Pharmaceutical Biotechnology

Academic Titles / Tasks

Research Assistant, Marmara University, Faculty of Pharmacy, Pharmaceutical Technology, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Sublingual β -Glucan/Vitamin C-loaded nanoparticle-embedded polyethylene oxide nanofibrous mats**
GÜLER E., Yekeler H. B., Tekinalp S. G., Parviz G., DOĞAN M., EKENTOK ATICI C., ÇAM M. E.
Journal of Drug Delivery Science and Technology, vol.102, 2024 (SCI-Expanded)
- II. **Chemical Composition, in Vitro Bioactivity Evaluation, in Silico Molecular Docking and ADMET Study of Hypericum scabrum and Hypericum triquetrifolium**
TAŞKIN T., Ermanoğlu M., RAYAMAN E., Taşkın D., Atici C., ACAR A. G., TATAR E., Gürdal B., DOĞAN A.
Brazilian Archives of Biology and Technology, vol.67, 2024 (SCI-Expanded)
- III. **Combination therapy with chitosan/siRNA nanoplexes targeting PDGF-D and PDGFR- β reveals anticancer effect in breast cancer**
Şalva E., Özbaş S., Alan S., Özkan N., Ekentok-Atıcı C., Kabasakal L., Akbuğa J.
Journal of Gene Medicine, vol.25, no.2, 2023 (SCI-Expanded)

- IV. **Chitosan Modification-Enhanced Silencing Effect of Ad5-shPDGF-D Vector in Breast Cancer Cell Line MDA-MB-231.**
Ekentok-Atıcı C., Akbuğa J.
Current drug delivery, vol.20, pp.1176-1187, 2023 (SCI-Expanded)
- V. **A Comparison Study of Fiber Diameter's Effect on Characteristic Features of Donepezil/Curcumin-Loaded Polycaprolactone/Poly(lactic Acid) Nanofibers**
Aydin S., Kabaoglu I., Guler E., Topal F., YAVUZ A. N., EKENTOK ATICI C., TATAR E., Gurbuz F., GÜNDÜZ O., ÇAM M. E.
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.307, no.5, 2022 (SCI-Expanded)
- VI. **Administration of Ad5/chitosan/PEG-aptamer vector delivering PDGF-D shRNA decreases tumor growth in rat breast cancer model**
Ekentok-Atıcı C., Akbuğa J.
HUMAN GENE THERAPY, vol.32, no.19-20, 2021 (SCI-Expanded)
- VII. **Accelerated diabetic wound healing by topical application of combination oral antidiabetic agents-loaded nanofibrous scaffolds: An in vitro and in vivo evaluation study**
Cam M. E., ERTAŞ B., Alenezi H., Hazar-Yavuz A. N., Cesur S., Ozcan G. S., Ekentok C., Guler E., Katsakouli C., Demirbas Z., et al.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.119, 2021 (SCI-Expanded)
- VIII. **The comparison of glybenclamide and metformin-loaded bacterial cellulose/gelatin nanofibres produced by a portable electrohydrodynamic gun for diabetic wound healing**
Cam M. E., Crabbe-Mann M., Alenezi H., Hazar-Yavuz A. N., ERTAŞ B., Ekentok C., Ozcan G. S., Topal F., Guler E., YAZIR Y., et al.
EUROPEAN POLYMER JOURNAL, vol.134, 2020 (SCI-Expanded)
- IX. **Mesenchymal stem cell therapy improves erectile dysfunction in experimental spinal cord injury**
Albayrak Ö., Şener T. E., Erşahin M., Özbaş-Turan S., Ekentok C., Tavukçu H., Çevik Ö., Çetinel Ş., Ertaş B., Şener G.
INTERNATIONAL JOURNAL OF IMPOTENCE RESEARCH, vol.32, no.3, pp.308-316, 2020 (SCI-Expanded)
- X. **Generation of stable cell line by using chitosan as gene delivery system**
ŞALVA E., Turan S., EKENTOK ATICI C., Akbuğa J.
CYTOTECHNOLOGY, vol.68, no.4, pp.1033-1038, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **Chitosan-based delivery of CRISPR-Cas9 plasmid in breast cancer stem cells**
Canak-Ipek T., Avci-Adali M., EKENTOK ATICI C., ŞALVA E., ÖZBAŞ S.
Journal of Research in Pharmacy, vol.27, no.1, pp.86-96, 2023 (Scopus)
- II. **VIRAL DELIVERY SYSTEMS WITHIN THE GENE THERAPY LANDSCAPE**
EKENTOK ATICI C.
Journal of Research in Pharmacy, vol.27, pp.7-9, 2023 (ESCI)
- III. **In vitro gene silencing effect of chitosan/shRNA PDGF-D nanoparticles in breast cancer**
EKENTOK ATICI C., Turan S., Akbuğa J.
MARMARA PHARMACEUTICAL JOURNAL, vol.21, no.4, pp.793-803, 2017 (ESCI)
- IV. **Non viral siRNA and shRNA delivery systems in cancer therapy**
ŞALVA E., EKENTOK C., ÖZBAŞ S., AKBUĞA F. J.
RNA interference, pp.201-202, 2016 (Peer-Reviewed Journal)

Books

- I. **Gene Suppression with Chitosan Nanoparticles**
AKBUĞA F. J., TURAN S., EKENTOK C.

in: Percutaneous Penetration Enhancers Chemical Methods in Penetration Enhancement Nanocarriers, Dragicevic Nina, Maibach Howard I, Editor, Springer, pp.353-359, 2016

II. Chitosan Nanoparticles in Gene Delivery

AKBUĞA F. J., TURAN S., EKENTOK C.

in: Percutaneous Penetration Enhancers Chemical Methods in Penetration Enhancement Nanocarriers, Dragicevic Nina, Maibach Howard I, Editor, Springer, pp.337-349, 2016

III. Non-viral siRNA and shRNA Delivery Systems in Cancer Therapy

ŞALVA E., EKENTOK C., TURAN S., AKBUĞA F. J.

in: RNA Interference, Abdurakhmonov Ibrokhim Y, Editor, ExLi4EvA, pp.201-222, 2016

Papers Published in Refereed Scientific Meetings

- I. **The cellular uptake and endosomal escape mechanisms of chitosan-protamine-siRNA nanoplexes for efficient gene transfection and silencing**
ŞALVA E., EKENTOK C., CÖMEZ B., ÖZBAŞ S., AKBUĞA F. J.
BioTürkiye International Biotechnology Congress, İstanbul, Turkey, 9 - 11 September 2021
- II. **Investigation of Antineoplastic Activity of Achillea Nobilis subsp. Neilreichii Plant in Experimental Breast Cancer**
Sehlan S. S., Yavuz A. N., Ekentok Atıcı C., Taşkın T., Alan S., Özbaş S., Kabasakal L.
International Multidisciplinary Symposium on Drug Research & Development (DRD 2019), Malatya, Turkey, 1 - 03 July 2019, pp.420-423
- III. **The Effects of Some Traditional Medical Plants and Beta Amyloid Protein in Cell Viability**
Saleh Al-Rabeei M. A., Yavuz A. N., Ekentok Atıcı C., Taşkın T., Özbaş S., Kabasakal L.
International Multidisciplinary Symposium on Drug Research & Development (DRD 2019), Malatya, Turkey, 1 - 03 July 2019, pp.424-426
- IV. **In vitro studies on inhibition of mammaglobin gene expression with chitosan/shRNAnanoplexes in breast cancer cell lines**
ÖZBAŞ TURAN S., ŞALVA E., EKENTOK C., ÖZKAN A.
International IVEC BIO Congress, 26 - 28 November 2018
- V. **In Vitro Studies on Inhibition of Chitosan / siRNA Nanoplexes and Mammaglobin GeneExpression in Breast Cancer Cell Lines**
ÖZBAŞ TURAN S., ŞALVA E., EKENTOK C., ÖZKAVAK Ş. B.
International IVEC BIO Congress, 26 - 28 November 2018
- VI. **Kitozan/mammaglobin shRNA nanoplekslerinin hazırlanması ve in vitro karakterizasyonu**
Özkan A., Ekentok Atıcı C., Şalva E., Özbaş S.
2. Ulusal Marmara Eczacılık Kongresi, İstanbul, Turkey, 14 - 16 November 2018, pp.189
- VII. **Mammaglobin gen ekspresyonunun kitozan/siRNA nanopleksleri ile baskılanması ve in vitro karakterizasyonu**
Özkavak Ş. B., Ekentok Atıcı C., Şalva E., Özbaş S.
2. Ulusal Marmara Eczacılık Kongresi, İstanbul, Turkey, 14 - 16 November 2018, pp.190
- VIII. **Investigation of gene silencing effect of chitosan nanoparticles containing shRNA PDGF-D in breast cancer cell lines**
Akbuga J., ÖZBAŞ TURAN S., EKENTOK ATICI C.
ESGCT and NVGCT Collaborative Congress, The Hague, Netherlands, 23 - 26 October 2014, vol.25

Metrics

Publication: 28

Citation (WoS): 70

Citation (Scopus): 158

H-Index (WoS): 3

H-Index (Scopus): 4