

## Asst. Prof. CEYDA EKENTOK ATICI

### Personal Information

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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  $\beta$ -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. **Combination therapy with chitosan/siRNA nanoplexes targeting PDGF-D and PDGFR- $\beta$  reveals anticancer effect in breast cancer.**  
Şalva E., Özbaş S., Alan S., Özkan N., Ekentok-Atıcı C., Kabasakal L., Akbuğa J.  
The journal of gene medicine, vol.25, 2023 (SCI-Expanded)
- III. **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)

- IV. **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)
- V. **Administration of Ad5/chitosan/PEG-aptamer vector delivering PDGF-D shRNA decreases tumor growth in rat breast cancer model**  
Ekentok-Atici C., Akbuga J. *HUMAN GENE THERAPY*, vol.32, no.19-20, 2021 (SCI-Expanded)
- VI. **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)
- VII. **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)
- VIII. **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., Ertas B., Şener G. *INTERNATIONAL JOURNAL OF IMPOTENCE RESEARCH*, vol.32, no.3, pp.308-316, 2020 (SCI-Expanded)
- IX. **Generation of stable cell line by using chitosan as gene delivery system**  
ŞALVA E., Turan S., EKENTOK ATICI C., Akbuga 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., Akbuga J. *MARMARA PHARMACEUTICAL JOURNAL*, vol.21, no.4, pp.793-803, 2017 (ESCI)

## Books & Book Chapters

- 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**

## Refereed Congress / Symposium Publications in Proceedings

- 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: 26

Citation (WoS): 70

Citation (Scopus): 150

H-Index (WoS): 3

H-Index (Scopus): 4