

## Asst. Prof. SUNA ÖZBAŞ

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-1704-2020

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### Education Information

Doctorate, Marmara University, Faculty of Pharmacy, Pharmaceutical Technology, Turkey 1999 - 2006

Postgraduate, Istanbul University, Faculty Of Science, Department Of Biology, Turkey 1991 - 1994

Undergraduate, Istanbul University, Faculty Of Science, Department Of Biology, Turkey 1985 - 1991

### Research Areas

Health Sciences, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Pharmacy, Pharmaceutical Technology, 2009 - Continues

Assistant Professor, Marmara University, Faculty of Pharmacy, Pharmaceutical Technology, 2007 - 2009

Research Assistant, Marmara University, Faculty of Pharmacy, Pharmaceutical Technology, 1996 - 2006

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Alginate-Chitosan Hydrogels Containing shRNA Plasmid for Inhibition of CTNNB1 Expression in Breast Cancer Cells**  
CÖMEZ B., ÖZBAŞ S.  
Gels, vol.9, no.7, 2023 (SCI-Expanded)
- II. **Investigation of therapeutic effects in the wound healing of chitosan/pGM-CSF complexes**  
ŞALVA E., ALAN S., Karakoyun B., Cakalagaoglu F., ÖZBAŞ S., Akbuga J.  
BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.58, 2022 (SCI-Expanded)

### Articles Published in Other Journals

- I. **A New Gene Therapy Approach by Tenascin-C Genome Editing Induces Apoptosis and Cell Cycle Arrest in Triple- Negative Breast Cancer Cells**  
Bareke H., ŞALVA E., ÖZBAŞ S.  
CYPRUS JOURNAL OF MEDICAL SCIENCES, vol.8, no.1, pp.20-26, 2023 (ESCI)

- II. **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)
- III. **In vitro characterization of alginate-chitosan hydrogels prepared with pH modification**  
CÖMEZ B., ŞAHBAZ S., ÖZBAŞ S.  
Journal of Research in Pharmacy, vol.27, no.6, pp.2405-2415, 2023 (ESCI)
- IV. **Synthesis, structure elucidation and cytotoxic activities of 2,5-disubstituted-1,3,4-thiadiazole and 1,2,4-triazole-3-thione derivatives**  
Kandemir L., KARAKUŞ S., ÖZBAŞ S., Rollas S., Akbuga J.  
JOURNAL OF RESEARCH IN PHARMACY, vol.26, no.4, pp.941-953, 2022 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Sodium alginate-Chitosan Hydrogels for Gene Delivery**  
CÖMEZ B., ÖZBAŞ S.  
20th International Pharmaceutical Technology Symposium, Turkey, 21 - 23 February 2022
- II. **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
- III. **Investigation Of Antineoplastic Activity Of Achillea Nobilis Subsp. Neilreichii Plant In Experimental Breast Cancer.**  
Sehlan S. S., HAZAR YAVUZ A. N., EKENTOK C., TAŞKIN T., ALAN S., ÖZBAŞ TURAN S., KABASAKAL L.  
International multidisciplinary symposium on drug research development. 01-03 June 2019, Malatya-Turkey, 01 July 2019
- IV. **Selection of mammaglobin aptamerselection for targeting breast cancer treatment**  
İpek T. Ç., ŞALVA E., Adalı M. A., ÖZBAŞ S.  
International multidisciplinary symposium on drug research development, Malatya, Turkey, 1 - 03 July 2019
- V. **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
- VI. **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
- VII. **The silencing of PDGF B pathway by Chitosan siRNA nanoplexes in therapy of the experimental mesangial proliferative glomerulonephritis**  
ŞALVA E., ALAN S., YILMAZ İ., TURAN S., AKBUĞA F. J.  
ESGCT XXIVth Annual Congress "Changing The Face of Modern Medicine: Stem Cells and Gene Therapy", 18 - 21 October 2016
- VIII. **The investigation of effects to cell proliferation and adsorption of new ternary and binary scaffolds**  
SİRKEÇİ A., ŞALVA E., TURAN S., AKBUĞA F. J.  
Conference on Changing the Face of Modern Medicine - Stem Cells and Gene Therapy, 18 - 21 October 2016
- IX. **Tumor Inhibition by Using Chitosan: siRNA PDGFR-beta in Breast Cancer Model of Rat**  
Akbuga J., Turan S., ŞALVA E., ÖZKAN N., KABASAKAL L., Alan S.  
19th Annual Meeting of the American-Society-of-Gene-and-Cell-Therapy (ASGCT), Washington, Kiribati, 4 - 07 May 2016, vol.24
- X. **The in vitro Investigation of PAI 1 Containing Chitosan Nanoplexes in Hepatocellular Carcinoma**  
AKBUĞA F. J., NAZİKTER BETÜL B., AĞIRBAŞLI M. A., ŞALVA E., TURAN S.

XV th International Workshop Molecular and Cellular Biology of Plasminogen Activation, 22 - 26 September 2015

- XI. **Synthesis cytotoxic and antiproliferative activity of sulphonylamide substituted urea derivatives**  
TÜRK S., KARAKUŞ S., TURAN S., AKBUĞA F. J.  
ISOPS 11th International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015
- XII. **PDGF-D Inhibition by Using Chitosan: siRNA Complexes in Breast Cancer Model of Rat**  
Akbuga J., ÖZBAŞ TURAN S., KABASAKAL L., Salva E., ÖZKAN N.  
18th Annual Meeting of the American-Society-of-Gene-and-Cell-Therapy (ASGCT), Louisiana, United States Of America, 13 - 16 May 2015, vol.23
- XIII. **The Silencing by Chitosan PDGF B Nanoplexes of Mesangial Cell Proliferation in Renal Disease**  
ŞALVA E., TURAN S., ALAN S., AKBUĞA F. J.  
XXI. Annual Meeting German Society for Gene Therapy, Vienna, Austria, 26 - 28 February 2015, pp.84-85
- XIV. **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
- XV. **Co-Delivery of VEGF siRNA and IL-4 into Chitosan Nanoparticles in Breast Tumor Model of Rat**  
ŞALVA E., ÖZBAŞ TURAN S., KABASAKAL L., EREN F., Alan S., ÖZKAN N., Akbuga J.  
16th Annual Meeting of the American-Society-of-Gene-and-Cell-Therapy (ASGCT), Utah, United States Of America, 15 - 18 May 2013, vol.21
- XVI. **Discovery of a potent apoptosis inducer in K 562 cancer cell line**  
MEGA TİBER P., ORUN O., Aydın S., TURAN S., AKBUĞA F. J., KÜÇÜKGÜZEL Ş. G.  
10th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2012, pp.345
- XVII. **Synthesis Biological Activitiy of Hydrazide Hydrazones And 4 Thiazolidinones Derived From Etodolac**  
ÇIKLA SÜZGÜN P., ÖZSAVCI D., BİNGÖL ÖZAKPINAR Ö., ÇEVİK Ö., ŞENER A., TURAN S., AKBUĞA J., KÜÇÜKGÜZEL Ş. G.  
International Science & Technolocy Conference ISTEC, 7 - 09 December 2011
- XVIII. **Synthesis and cytotoxic activity of some new substituted 4(3H)-quinazolinone derivatives**  
URAZ M., KARAKUŞ S., TURAN S., AKBUĞA J.  
IMMPC-ISPC JOINT MEETING, Ankara, Turkey, 30 September - 02 October 2010
- XIX. **Chitosan nanoparticles containing shRNA targeting VEGF as cancer therapeutic**  
Salva E., Ozbas-Turan S., Akbuga J.  
18th Annual Congress of the European-Society-of-Gene-and-Cell-Therapy, Milan, Italy, 22 - 25 October 2010, vol.21, pp.1412-1413
- XX. **Intramuscular Delivery of Antisense Oligonucleotides by Chitosan Nanoparticles**  
Ozbas-Turan S., Akbuga J., Sezer A. D., Salva E.  
18th Annual Congress of the European-Society-of-Gene-and-Cell-Therapy, Milan, Italy, 22 - 25 October 2010, vol.21, pp.1452-1453
- XXI. **Topical delivery of antisense oligonucleotide using chitosan nanoparticles**  
ÖZBAŞ TURAN S., Akbuga J., SEZER A. D.  
16th Annual Congress of the European-Society-of-Gene-and-Cell-Therapy, Brugge, Belgium, 13 - 16 November 2008, vol.19, pp.1167

## Supported Projects

Sezer A. D., Akbuğa J., Özbaş S., Enneli B., Project Supported by Higher Education Institutions, Developing Chitosan Base Carrier Systems Containing Antisense Oligonucleotides In vivo Studies, 2007 - 2009

## **Patent**

ÖZBAŞ TURAN S., Antikanser aktiviteye sahip pirano [3,4-/r] indol türevleri, Patent, CHAPTER C Chemistry; Metallurgy, Standard Registration, 2012

## **Metrics**

Publication: 64

Citation (WoS): 430

Citation (Scopus): 546

H-Index (WoS): 11

H-Index (Scopus): 12