

## Res. Asst. BİRNUR CÖMEZ

### 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 2017 - 2023

Postgraduate, Marmara University, Institute of Health Sciences, Farmasötik Biyoteknoloji (YI) (Tezli), Turkey 2014 - 2017

Postgraduate, Ataturk University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya (YI) (Tezli) (Eczacılık), Turkey 2013 - 2016

Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 2007 - 2012

### Dissertations

Postgraduate, Uzun siRNA içeren kitozan nanopartikülleri ile meme kanseri hücrelerinde vasküler endotelial büyüme faktörü geninin susturulması, Marmara Üniversitesi, Institute of Health Sciences, Farmasötik Biyoteknoloji (YI) (Tezli), 2017

Postgraduate, 1-(4-aminosülfonilfenil)-3-(4-süstitüefenil)-5-(tiyofen-2-il)-2-pirazolin bileşiklerinin sentezi ve karbonik anhidraz inhibe edici etkilerinin araştırılması, Atatürk Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya (YI) (Tezli) (Eczacılık), 2016

### Research Areas

Pharmaceutical Biotechnology

### Academic Titles / Tasks

Research Assistant PhD, Marmara University, Institute Of Health Sciences, Department Of Pharmaceutics Biotechnology, 2015 - Continues

Research Assistant, Zonguldak Bülent Ecevit University, Faculty Of Pharmacy, 2014 - Continues

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

- 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. Effects of Chitosan Nanoparticles with Long Synthetic siRNAs Targeting VEGF in Triple-Negative Breast Cancer Cells**

CÖMEZ B., Akbuğa J.

Brazilian Journal of Pharmaceutical Sciences, vol.59, 2023 (SCI-Expanded)

**III. Synthesis and carbonic anhydrase inhibitory activities of new thienyl-substituted pyrazoline benzenesulfonamides**

METE E., Comez B., GÜL H. İ., GÜLÇİN İ., Supuran C. T.

Journal of Enzyme Inhibition and Medicinal Chemistry, vol.31, pp.1-5, 2016 (SCI-Expanded)

## Articles Published in Other Journals

**I. 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)

**II. Preparation and in vitro characterization of laminarin based hydrogels**

Tümen Erden S., Ekentok Atıcı C., Cömez B., Sezer A. D.

Journal of Research in Pharmacy, vol.25, no.2, pp.164-172, 2021 (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. Characterization and Stability of Long Sirna Loaded-Chitosan Nanoparticles**

CÖMEZ B., AKBUĞA F. J.

3rd World Congress on Recent Advances in Nanotechnology, 10 - 12 April 2018

**IV. Comparison of short and long siVEGF Encapsulating Chitosan Nanoparticles in Breast Cancer Cell Lines**

CÖMEZ B., AKBUĞA F. J., ŞALVA E.

ESGCT XXIVth Annual Congress, 18 - 21 October 2016, vol.27, pp.1-185

## Supported Projects

Cömez B., Project Supported by Higher Education Institutions, siRNA ve shRNAların Farklı Polimerler ile Hazırlanan Nanoplekslerinin İn Vitro Gen Susturma, Hücresel Alım ve Endozomal Kaçış Etkinliklerinin Karşılaştırılması, 2019 - 2021

Cömez B., Project Supported by Higher Education Institutions, Uzun Küçük İnterferaz RNA siRNA İçeren Kitozan Nanopartikülleri ile Meme Kanseri Hücrelerinde Vasküler Endotelial Büyüme Faktörü VEGF Geninin Susturulması, 2015 - 2017

## Metrics

Publication: 9

Citation (Scopus): 48

H-Index (Scopus): 1