



Gülnihal Bozdağ

Contact

Email:

gulnihalbozdag@gmail.com

Website:

www.linkedin.com/in/gulnihalbozdag

Address:

Ataşehir - Istanbul

Telephone:

+905342967487

Languages Spoken

Turkish - Mother Language

English - Advanced

German - Beginner

Awards

5th International Inventions Fair, ISIF'20

Bronze Medal to the invention "a Biobased Material and its Production Method"

ÜSIMP, National Patent Fair and University-Industry Cooperation National Congress 2020

Grand Prize to the patent "a Biobased Material and its Production Method"

References

Prof. Dr. Dilek KAZAN

e-mail: dkazan@marmara.edu.tr

Prof. Dr. Berna SARIYAR AKBULUT

e-mail: berna.akbulut@marmara.edu.tr

Prof. Dr. Elif Damla ARISAN

e-mail: d.arisan@gtu.edu.tr

Work Experience

R&D Engineer

BacPolyZyme Bioengineering | June 2019 - April 2020

Projects

TUBITAK 1007 KAMAG Project

Atabay Pharmaceuticals and Fine Chemicals Inc. Biotechnology Department, Marmara University Bioengineering Department, Istanbul Technical University MOBGAM (May 2016-June 2019)
Production of Bio-similar Pharmaceuticals

Master of Science Thesis Project

Marmara University, Bioengineering Department (2017-2019)

Development of Cellulose and Polyhydroxybutyrate Based Materials and Tissue Engineering Applications

TUBITAK 2209 Project

Istanbul Kültür University, Molecular Biology and Genetics Department (2013-2014)

Understanding the therapeutic effect of NSAIDs on colon cancer cells with apoptotic parameters

Education

Yeditepe University, Biotechnology Doctoral Program (2021-Currently)

PHD Student

Marmara University, Bioengineering Master Program (2016-2019)

Master Degree

Istanbul Kültür University, Faculty of Science and Literature, Department of Molecular Biology and Genetics (2011-2015)

Bachelor Degree

Skills

- Fermentation Technologies
- Cell Culture Techniques
- Recombinant DNA Technology
- Immunoblotting
- Spectrophotometric Techniques
- Cell Imaging Techniques
- Biopolymer Production & Extraction
- Bioprocess Design



Contact

Email:

gulnihalbozdag@gmail.com

Website:

www.linkedin.com/in/gulnihalbozdağ

Address:

Ataşehir - Istanbul

Telephone:

+905342967487

Courses

Proteomics Bioinformatics Workshop

Sample Preparation Using Nanoparticles for Proteomics Course

Pharmaceutical Patents and Patent Research Techniques

Computational Methods for Engineering Applications

Certificates

Animal Use in Experimental Research Certificate

Publications

- **Bozdağ, G.**, Pinar, O., Gündüz, O. and Kazan, D., 2021. Valorization of pea pod, celery root peel, and mixed-vegetable peel as a feedstock for biocellulose production from *Komagataeibacter hansenii* DSM 5602. *Biomass Conversion and Biorefinery*, pp.1-12.
- Pinar, O., **Bozdağ, G.**, Yemişer, İ., Büyük, E., & Kazan, D. (2020). Complete Genome Sequence of a cellulose-producing bacteria *Komagataeibacter oboediens* BPZTR01. *Genetics & Applications*, 4(1), pp.38-40.
- Isikci Koca, E., **Bozdağ, G.**, Cayli, G., Kazan, D., & Cakir Hatir, P. (2020). Thermoresponsive hydrogels based on renewable resources. *Journal of Applied Polymer Science*, 137(28), pp.48861
- Özgören, T., Pinar, O., **Bozdağ, G.**, Denizci, A.A., Gündüz, O., Hatir, P.Ç. and Kazan, D., (2018). Assessment of poly (3-hydroxybutyrate) synthesis from a novel obligate alkaliphilic *Bacillus marmarensis* and generation of its composite scaffold via electrospinning. *International journal of biological macromolecules*, 119, pp.982-991.
- Arisan, E.D., Ergül, Z., **Bozdağ, G.**, Rencüzoğulları, Ö., Çoker-Gürkan, A., Obakan-Yerlikaya, P., Coşkun, D. and Palavan-Ünsal, N., (2018). Diclofenac induced apoptosis via altering PI3K/Akt/MAPK signaling axis in HCT 116 more efficiently compared to SW480 colon cancer cells. *Molecular biology reports*, 45(6), pp.2175-2184.

Conference Proceedings

- **Bozdağ, G.**, Özgören, T., Pinar, O., Gündüz, O., Kazan, D., "Development of a promising electrospun bacterial cellulose-PHB scaffold for tissue engineering", 18th European Congress On Biotechnology, 1-4 July 2018, Geneva, Switzerland.
- **Bozdağ, G.**, Özgören, T., Kazan, D., "Investigation of the Relevant Medium Components for Bacterial Cellulose Production from *Komagataeibacter hansenii* DSM 5602 and PHB Production from *Bacillus marmarensis* GMBE 72T". *International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018)*, April 2018 Ankara, Turkey.
- **Bozdağ, G.**, Arisan, E.D., Obakan, P., Çoker-Gürkan, A., Palavan-Ünsal, N., "NSAIDs, ibuprofen, and diclofenac induced apoptosis via altering MAPKs and de novo protein synthesis regardless of COX-2 expression in SW480 colon cancer cells". 3rd EACR-Sponsored Anticancer Agent Development Congress, May 2015 İzmir, Turkey.