

Res. Asst. GÜLŞEN BAYRAK

Personal Information

Email: gulsen.bayrak@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/D7019>

International Researcher IDs

ORCID: 0000-0003-4567-8053

Research Areas

Biochemistry, Molecular Biology and Genetics, Biochemistry, Health Sciences, Natural Sciences

Academic Titles / Tasks

Research Assistant, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, 2023 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **ZnO nanoparticle-embedded Gellan Gum Based Sponge for Accelerated Wound Healing: An in vitro Study on Physicochemical, Antibacterial and Hemostatic Properties**
Atasoyu B. K., BAYRAK G., Ozturk S., KILIÇ SÜLOĞLU A., ÖZKAHRAMAN B., PERÇİN DEMİRÇELİK I.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, 2024 (SCI-Expanded)
- II. **PHEMA-based cryogels as 3D placental scaffolds**
Demir M., Öztürk S., Bayrak G., PERÇİN DEMİRÇELİK I., KILIÇ SÜLOĞLU A.
Process Biochemistry, vol.133, pp.85-98, 2023 (SCI-Expanded)
- III. **Gelatin cryogels enriched with tea tree oil (Melaleuca alternifolia): characterization, antibacterial properties**
Varlık S., Bayrak G., Öztürk S., KILIÇ SÜLOĞLU A., Perçin I., DENİZLİ A.
Chemical Papers, vol.77, no.10, pp.5671-5685, 2023 (SCI-Expanded)
- IV. **Penicillium chrysogenum-loaded hybrid cryogel discs for heavy metal removal**
Bayrak G., İDİL N., Perçin I.
Chemical Papers, vol.77, no.7, pp.3921-3936, 2023 (SCI-Expanded)
- V. **Characterization and antibacterial activity of gelatin-gellan gum bilayer wound dressing**
ÖZKAHRAMAN B., ÖZBAŞ Z., Bayrak G., Tamahkar E., PERÇİN DEMİRÇELİK I., KILIÇ SÜLOĞLU A., Bor F.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.71, no.16, pp.1240-1251, 2022 (SCI-Expanded)
- VI. **Evaluation of kappa carrageenan and gelatin based sponges for dental applications**
KILIÇ SÜLOĞLU A., ÖZKAHRAMAN B., ÖZBAŞ Z., Bayrak G., PERÇİN DEMİRÇELİK I., Kanca Y., BORAN F., Tamahkar E.
CHEMICAL PAPERS, vol.76, no.7, pp.4005-4015, 2022 (SCI-Expanded)
- VII. **Poly(vinyl alcohol)/(hyaluronic acid-g-kappa-carrageenan) hydrogel as antibiotic-releasing wound dressing**
ÖZBAŞ Z., ÖZKAHRAMAN B., Bayrak G., KILIÇ SÜLOĞLU A., PERÇİN DEMİRÇELİK I., BORAN F., Tamahkar E.
CHEMICAL PAPERS, vol.75, no.12, pp.6591-6600, 2021 (SCI-Expanded)
- VIII. **Amino acid functionalized macroporous gelatin cryogels: Characterization and effects on cell**

proliferation

Bayrak G., PERÇİN DEMİRÇELİK I., KILIÇ SÜLOĞLU A., DENİZLİ A.

PROCESS BIOCHEMISTRY, vol.110, pp.100-109, 2021 (SCI-Expanded)

Articles Published in Other Journals

I. Headspace Gas Chromatography-Mass Spectroscopy Analysis and Antibacterial Tests of Commercial Hand Sanitizers

VARLIK S., BAYRAK G., PERÇİN DEMİRÇELİK I., İşbir Turan A.

Hitit University, vol.9, 2022 (Peer-Reviewed Journal)

Metrics

Publication: 9

Citation (WoS): 3

Citation (Scopus): 56

H-Index (WoS): 1

H-Index (Scopus): 4