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Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Biyoloji Anabilim Dalı, Turkey 2007 - 2013

Postgraduate, Bolu Abant İzzet Baysal University, Graduate School Of Natural And Applied Sciences, Biology Education, Turkey 2005 - 2006

Undergraduate, Karadeniz Technical University, Fen Fakültesi, Biyoloji, Turkey 1999 - 2003

Research Areas

Environmental Microbiology, Biotechnology, Bioreactor, Biosensor, Environmental Biotechnology, Industrial Biotechnology, Microbial Biotechnology, Environmental Biology, Microbiology

Academic Titles / Tasks

Lecturer PhD, Marmara University, Ataturk Faculty Of Education, 2016 - Continues

Researcher, Istanbul Technical University, İnşaat, Çevre Mühendisliği, 2013 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Determination of the effect of proteoliposome concentration on Aquaporin Z incorporated nanofiltration membranes**
Sengur-Tasdemir R., Pekgenc E., Urper-Bayram G., Ergon-Can T., Tutuncu H., Zeytuncu B., Gul-Karaguler N., Ates-Genceli E., Koyuncu İ.
ENVIRONMENTAL TECHNOLOGY, vol.41, no.17, pp.2229-2239, 2020 (SCI-Expanded)
- II. **The Use of the New Quorum Quenching Isolate of Bordetella hinzii S3 to Prevent Biofouling in Membrane Bioreactor Systems**
Ergön-Can T., Köse-Mutlu B., Koyuncu İ., Lee C.
Waste and Biomass Valorization, vol.11, no.7, pp.3513-3523, 2020 (SCI-Expanded)
- III. **Thermodynamically designed target-specific DNA probe as an electrochemical hybridization biosensor.**
Can F., Ökten H., Ergön-Can T., Ergenekon P., Özkan M., Erhan E.
Bioelectrochemistry (Amsterdam, Netherlands), vol.135, pp.107553, 2020 (SCI-Expanded)
- IV. **Quorum quenching for effective control of biofouling in membrane bioreactor: A comprehensive review of approaches, applications, and challenges**
Kose-Mutlu B., Ergon-Can T., Koyuncu İ., Lee C.
ENVIRONMENTAL ENGINEERING RESEARCH, vol.24, no.4, pp.543-558, 2019 (SCI-Expanded)
- V. **Characterization of aquaporin Z-incorporated proteoliposomes with QCM-D**

Sengur-Tasdemir R., Kılıç A., Tutuncu H. E., Ergon-Can T., Gul-Karaguler N., Ates-Genceli E., Kök F. N., Koyuncu İ.
SURFACE INNOVATIONS, vol.7, no.2, pp.133-142, 2019 (SCI-Expanded)

- VI. **Nanomaterials and the Microbial Sphere**
Solak K., MAVİ A., Ergon T., Sezen A., ALGUR Ö. F.
NANOSCIENCE AND NANOTECHNOLOGY LETTERS, vol.9, no.5, pp.609-623, 2017 (SCI-Expanded)
- VII. **Biofouling control based on bacterial quorum quenching with a new application: Rotary microbial carrier frame**
Ergon-Can T., KOSE-MUTLU B., Koyuncu I. I., Lee C.
Journal of Membrane Science, vol.525, pp.116-124, 2017 (SCI-Expanded)
- VIII. **Effect of Different Nanomaterials on the Metabolic Activity and Bacterial Flora of Activated Sludge Medium**
Ergon-Can T., KOSEOGLU-IMER D. Y., ALGUR Ö. F., Koyuncu İ.
CLEAN-SOIL AIR WATER, vol.44, no.11, pp.1508-1515, 2016 (SCI-Expanded)
- IX. **Quorum quenching MBR operations for biofouling control under different operation conditions and using different immobilization media**
Kose-Mutlu B., ERGON-CAN T., Koyuncu İ., Lee C.
Desalination and Water Treatment, vol.57, no.38, pp.17696-17706, 2016 (SCI-Expanded)
- X. **Poly(glycidyl methacrylate-co-3-thienylmethacrylate) as an immobilization matrix for microbial glycerol biosensing based on Gluconobacter oxydans**
Ergon-Can T., Erhan E., ALGUR Ö. F.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.56, pp.432-437, 2015 (SCI-Expanded)
- XI. **Single-cell protein as an alternative food for zebrafish, Danio rerio: a toxicological assessment**
ŞİŞMAN T., Gur O., Dogan N., ÖZDAL M., ALGUR Ö. F., Ergon T.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.29, no.9, pp.792-799, 2013 (SCI-Expanded)

Metrics

Publication: 12

Citation (WoS): 86

Citation (Scopus): 112

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H-Index (Scopus): 5