

# Lect. ŞEYMA DADI

## Personal Information

Email: seyma.dadi@agu.edu.tr  
Web: <https://avesis.agu.edu.tr/seyma.dadi>

## Education Information

2019 - 2023	Doctorate, Erciyes University, Sağlık Bilimleri Enstitüsü, Turkey
2010 - 2012	Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Turkey
2006 - 2010	Undergraduate, Gazi University, Fen Fakültesi, Kimya, Turkey

## Research Areas

Chemistry, Natural Sciences

## Academic Titles / Tasks

2014 - Continues	Lecturer, Abdullah Gul University, Mühendislik Fakültesi, Nanoteknoloji Mühendisliği
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## Published journal articles indexed by SCI, SSCI, and AHCI

- I. Rational design of EDTA-incorporated nanoflowers as novel and effective endodontic disinfection against biofilms  
ASLAN T., DADI Ş., Kafdag O., Temur N., Ildiz N., ÖÇSOY İ., ÜSTÜN Y.  
Odontology, vol.112, no.2, pp.444-452, 2024 (SCI-Expanded)
- II. Production of flower-shaped nanobiocatalysts from green tea and investigation of their peroxidase mimicking activity on the polymerization of phenol derivatives  
Kalayci B., Kaplan N., DADI Ş., ÖÇSOY İ., Gokturk E.  
Polymers for Advanced Technologies, vol.35, no.1, 2024 (SCI-Expanded)
- III. Formation of Umbilicaria decussata (Antarctic and Turkey) Extracts Based Nanoflowers with Their Peroxidase Mimic, Dye Degradation and Antimicrobial Properties  
DEMİRBAŞ A., KARSLI B., Dadi Ş., ARABACI N., KOCA F. D., HALICI M., ÖÇSOY İ.  
Chemistry and Biodiversity, vol.20, no.8, 2023 (SCI-Expanded)
- IV. Natural Molecule-Incorporated Magnetic Organic-Inorganic Nanoflower: Investigation of Its Dual Fenton Reaction-Dependent Enzyme-Like Catalytic Activities with Cyclic Use  
Dadi Ş., Cardoso M. H., Mandal A. K., Franco O. L., Ildiz N., ÖÇSOY İ.  
ChemistrySelect, vol.8, no.13, 2023 (SCI-Expanded)
- V. In Situ Synthesis of Horseradish Peroxidase Nanoflower@Carbon Nanotube Hybrid Nanobiocatalysts with Greatly Enhanced Catalytic Activity  
Dadi Ş., Temur N., GÜL O. T., Yilmaz V., ÖÇSOY İ.  
Langmuir, vol.39, no.13, pp.4819-4828, 2023 (SCI-Expanded)
- VI. Usnea antarctica (James Ross Island, Antarctica) and Usnea subfloridana (Uludağ, Turkey) Incorporated Hybrid Nanoflowers with Their Intrinsic Catalytic and Antimicrobial Activities  
DEMİRBAŞ A., KARSLI B., Dadi Ş., KOCA F. D., HALICI M., ÖÇSOY İ.  
ChemistrySelect, vol.7, no.43, 2022 (SCI-Expanded)
- VII. Synthesis of taurine-Cu<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub> hybrid nanoflower and their peroxidase-mimic and antimicrobial properties

- Yilmaz S. G., DEMİRBAŞ A., Karaagac Z., Dadi Ş., Celik C., Yusufbeyoglu S., Ildiz N., Mandal A. K., ÇİMEN B., ÖÇSOY İ.  
Journal of Biotechnology, vol.343, pp.96-101, 2022 (SCI-Expanded)
- VIII. **Dopamine and norepinephrine assistant-synthesized nanoflowers immobilized membrane with peroxidase mimic activity for efficient detection of model substrates**  
Dadi Ş., Celik C., Mandal A. K., ÖÇSOY İ.  
Applied Nanoscience (Switzerland), vol.11, no.1, pp.117-125, 2021 (SCI-Expanded)
- IX. **Gallic acid nanoflower immobilized membrane with peroxidase-like activity for m-cresol detection**  
Dadi Ş., Celik C., ÖÇSOY İ.  
Scientific Reports, vol.10, no.1, 2020 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Plasmon Enhanced Emission of Perovskite Quantum Dot Films**  
DADI Ş., ALTINTAS Y., Beskazak E., MUTLUGÜN E.  
MRS ADVANCES, vol.3, no.14, pp.733-739, 2018 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Plasmon Enhanced Emission of Perovskite Quantum Dot Films**  
MUTLUGÜN E., DADI Ş., ALTINTAS Y., BEŞKAZAK E.  
2017 MRS Fall Meeting, 26 November - 01 December 2017
- II. **High Proton Conductive PVA/PAMPS/Triazole Composite Membranes for PEMFC**  
ERKARTAL M., DADI Ş., USTA H., ÇITIR M., ŞEN Ü.  
International Symposium on Materials for Energy Storage and Conversion, Ankara, Turkey, 7 - 09 September 2015,  
pp.34
- III. **High Proton Conductive PVA PAMPS Triazole Composite Membranes for PEMFC PEM Membrane**  
ERKARTAL M., DADI Ş., USTA H., ÇITIR M., ŞEN Ü.  
International Symposium on Materials for Energy Storage and Conversion, Ankara, Turkey, 7 - 09 September 2015,  
pp.34

## Metrics

Publication: 15  
Citation (WoS): 21  
Citation (Scopus): 116  
H-Index (WoS): 3  
H-Index (Scopus): 5