

## Asst. Prof. Şerife YERLİKAYA

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-2146-9495

Yoksis Researcher ID: 327759

### Education Information

Post Doctorate, University of York, Institute of Biomedical Sciences, Department of Biology, England 2022 - 2023

Doctorate, Kastamonu University, Institute Of Science, Genetics and Bioengineering, Turkey 2016 - 2019

Postgraduate, Kütahya Dumlupınar University, Institute of Science, Biochemistry, Turkey 2014 - 2016

Undergraduate, Bolu Abant İzzet Baysal University, Faculty Of Arts And Sciences, Turkey 2008 - 2013

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Taçlı fiğ (Coronilla varia) ve gazelboynuzu (Lotus corniculatus) bitki ekstraktlarının meme kanseri hücrelerinde *in vitro* sitotoksik etkilerinin moleküler seviyede incelenmesi, Kastamonu University, Institute Of Science, 2019

Postgraduate, Bortezomib ve BAPTA kombinasyonun 4T1 fare meme kanseri hücrelerinde çeşitli sinyal iletim yolları üzerindeki etkisi, 2016

### Research Areas

Health Sciences, Natural Sciences

### Academic and Administrative Experience

Head of Department, Istanbul Medipol University, Sağlık Hizmetleri Meslek Yüksekokulu, 2020 - Continues

### Courses

Red Biotechnology, Undergraduate, 2020 - 2021

Basic Cell Culture Techniques, Undergraduate, 2020 - 2021

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

- I. **Novel  $\beta$ -hydroxy ketones: Synthesis, spectroscopic characterization, molecular docking, and anticancer activity studies**  
BAŞPINAR KÜÇÜK H., Kanturk G., YERLİKAYA Ş., YILDIZ T., Senturk A. M., GÜZEL M.  
Journal of Molecular Structure, vol.1250, 2022 (SCI-Expanded)
- II. **Exploring of *Coronilla varia* L. extracts as a source of high-value natural agents: Chemical profiles and biological connections**  
Yerlikaya Ş., Baloglu M. C., Altunoglu Y. C., Diuzheva A., Jekó J., Cziáky Z., Zengin G.  
South African Journal of Botany, vol.143, pp.382-392, 2021 (SCI-Expanded)
- III. **Antiproliferative properties and structural analysis of newly synthesized Schiff bases bearing pyrazole derivatives and molecular docking studies**  
Şener N., Özkınalı S., Altunoglu Y. C., Yerlikaya Ş., Gökçe H., Zurnaci M., Gür M., Baloglu M. C., Şener İ.  
Journal of Molecular Structure, vol.1241, 2021 (SCI-Expanded)
- IV. **Antiproliferative-antimicrobial properties and structural analysis of newly synthesized Schiff bases derived from some 1,3,4-thiadiazole compounds**  
Gür M., Yerlikaya Ş., Şener N., Özkınalı S., Baloglu M. C., Gökçe H., Altunoglu Y. C., Demir S., Şener İ.  
Journal of Molecular Structure, vol.1219, 2020 (SCI-Expanded)
- V. **Exploring the nutraceutical potential of dried pepper *capsicum annum* L. on market from altino in abruzzo region**  
Valle A. D., Dimmito M. P., Zengin G., Pieretti S., Mollica A., Locatelli M., Cichelli A., Novellino E., Ak G., Yerlikaya Ş., et al.  
Antioxidants, vol.9, no.5, 2020 (SCI-Expanded)
- VI. **Utilisation of *Rhododendron luteum* Sweet bioactive compounds as valuable source of enzymes inhibitors, antioxidant, and anticancer agents**  
Mahomoodally M. F., Sieniawska E., Sinan K. I., Nancy Picot-Allain M. C., Yerlikaya Ş., Cengiz Baloglu M., Altunoglu Y. C., ŞENKARDEŞ İ., Rengasamy K. R., Zengin G.  
Food and Chemical Toxicology, vol.135, 2020 (SCI-Expanded)
- VII. **Investigation of chemical profile, biological properties of *Lotus corniculatus* L. extracts and their apoptotic-autophagic effects on breast cancer cells**  
Yerlikaya Ş., Baloglu M. C., Diuzheva A., Jekó J., Cziáky Z., Zengin G.  
Journal of Pharmaceutical and Biomedical Analysis, vol.174, pp.286-299, 2019 (SCI-Expanded)
- VIII. **Pharmacological and polyphenolic profiles of *Phyllanthus phillyreifolius* var. *commersonii* Müll. Arg: An unexplored endemic species from Mauritius**  
Mahomoodally M. F., Yerlikaya Ş., Llorent-Martínez E. J., Uğurlu A., Baloglu M. C., Altunoglu Y. C., Mollica A., Dardenne K. K., Aumeeruddy M. Z., Puchooa D., et al.  
Food Research International, vol.115, pp.425-438, 2019 (SCI-Expanded)
- IX. **Investigations into the therapeutic potential of *Asphodeline liburnica* roots: In vitro and in silico biochemical and toxicological perspectives**  
Locatelli M., Yerlikaya Ş., Baloglu M. C., Zengin G., Altunoglu Y. C., Cacciagrano F., Campestre C., Mahomoodally M. F., Mollica A.  
Food and Chemical Toxicology, vol.120, pp.172-182, 2018 (SCI-Expanded)
- X. **Anticancer, antimicrobial, and DNA protection analysis of novel 2,4-dihydroxyquinoline dyes**  
Şener N., Mohammed H. J. A., Yerlikaya Ş., Celik Altunoglu Y., Gür M., Baloglu M. C., Şener İ.  
Dyes and Pigments, vol.157, pp.11-19, 2018 (SCI-Expanded)
- XI. **A multidirectional perspective for novel functional products: In vitro pharmacological activities and in silico studies on *Ononis natrix* subsp. *hispanica***  
Yerlikaya Ş., Zengin G., Mollica A., Baloglu M. C., Altunoglu Y. C., Aktumsek A.  
Frontiers in Pharmacology, vol.8, no.SEP, 2017 (SCI-Expanded)
- XII. **A novel combination treatment for breast cancer cells involving BAPTA-AM and proteasome inhibitor bortezomib**

YERLİKAYA A., Erdoğan E., Okur E., Yerlikaya Ş., Savran B.  
Oncology Letters, vol.12, no.1, pp.323-330, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Ion Channel Modulation Symposium (Sophion Bioscience) June 22nd-23rd, 2022, Clare College, Cambridge, United Kingdom**  
YERLİKAYA Ş., Allen R. B.  
Bioelectricity, vol.4, no.4, pp.274-278, 2022 (Scopus)
- II. **Oleamide, a Sleep-Inducing Compound: Effects on Ion Channels and Cancer**  
YERLİKAYA Ş., Djamgoz M. B.  
Bioelectricity, vol.4, no.3, pp.136-144, 2022 (Scopus)

## Scientific Refereeing

SCIENTIFIC REPORTS, SCI Journal, June 2023  
FRONTIERS IN PHARMACOLOGY, SCI Journal, April 2023

## Metrics

Publication: 14  
Citation (Scopus): 165  
H-Index (Scopus): 9

## Scholarships

1001 araştırma projesi yüksek lisans bursiyeri, TÜBİTAK, 2014 - 2016

## Awards

Yerlikaya Ş., 2022 ION CHANNEL MODULATION SYMPOSIUM FIRST TRAVEL GRANT AWARD, Sophion Bioscience, June 2022  
Yerlikaya Ş., Okur E., Yerlikaya A., 2015 EACR Sponsored Anticancer Agent Development Congress Special Research Award, Moleküler Kanser Araştırma Derneği, May 2015