

# MD ÖZGECAN ŞAVLUĞ İPEK

## Personal Information

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Publons / Web Of Science ResearcherID: ISB-5235-2023

## Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Chemistry, Turkey 2017 - 2023

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Chemistry, Turkey 2014 - 2016

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, Turkey 2009 - 2013

## Dissertations

Doctorate, Synthesis of New Drug Candidate That May Have a Therapeutic Effect on Cancer Metabolism and Determination of Their Biological Activities, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Chemistry, 2023

Postgraduate, Investigation of the properties of thienothiophene and dithienothiophene derivatives which functionalised with bulky groups for effective aggregation induced emission, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Chemistry, 2016

## Research Areas

Health Sciences, Organic Chemistry, Chemistry of Heterocyclic Compounds, Organometallics, Natural Sciences

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

- I. TW68, cryptochromes stabilizer, regulates fasting blood glucose levels in diabetic ob/ob and high fat-diet-induced obese mice**  
Surme S., Ergun C., Gul S., Akyel Y. K., Gul Z. M., Ozcan O., Ipek Ö., Akarlar B. A., Ozlu N., Taşkın A. C., et al.  
Biochemical Pharmacology, vol.218, 2023 (SCI-Expanded)
- II. Synthesis of Novel Hybrid Lonidamine-Coumarin Derivatives and Their Anticancer Activities**  
Ipek Ö., Sucu B. O., Gül Ş., Yolaçan Ç., Güzel M.  
Journal of Molecular Structure, vol.1281, 2023 (SCI-Expanded)
- III. Discovery of a small molecule that selectively destabilizes Cryptochrome 1 and enhances life span in p53 knockout mice**  
Gul S., Akyel Y. K., Gul Z. M., Isin S., Ozcan O., Korkmaz T., Selvi S., Danis I., Ipek Ö., Aygenli F., et al.  
Nature Communications, vol.13, no.1, 2022 (SCI-Expanded)
- IV. Design and synthesis of novel caffeic acid phenethyl ester (CAPE) derivatives and their biological activity studies in glioblastoma multiforme (GBM) cancer cell lines**

SUCU B. O., Koc E. B., Savlug Ipek Ö., Mirat A., Almas F., Guzel M. A., Doğan B., Uludag D., KARAKAŞ N., Durdagi S., et al.

Journal of Molecular Graphics and Modelling, vol.113, 2022 (SCI-Expanded)

- V. **Potential of Novel Methyl Jasmonate Analogs as Anticancer Agents to Metabolically Target HK-2 Activity in Glioblastoma Cells**  
Uludağ D., Bay S., SUCU B. O., Şavluğ İpek Ö., Mohr T., GÜZEL M., KARAKAŞ N.  
Frontiers in Pharmacology, vol.13, 2022 (SCI-Expanded)
- VI. **Electrochromic-Hybrid energy storage material consisting of triphenylamine and dithienothiophene**  
Topal S., Savlug Ipek Ö., Sezer E., Öztürk T.  
Chemical Engineering Journal, vol.434, 2022 (SCI-Expanded)
- VII. **Synthesis, characterization and sensing properties of donor-acceptor systems based Dithieno[3,2-b;2',3'-d]thiophene and boron**  
Ipek Ö., Topal S., Öztürk T.  
Dyes and Pigments, vol.192, 2021 (SCI-Expanded)
- VIII. **Design and synthesis of novel cylopentapyrazoles bearing 1,2,3-thiadiazole moiety as potent antifungal agents**  
Giray B., KARADAĞ A. E., İpek Ö., PEKEL H., GÜZEL M., BAŞPINAR KÜÇÜK H.  
Bioorganic Chemistry, vol.95, 2020 (SCI-Expanded)
- IX. **Synthesis of novel methyl jasmonate derivatives and evaluation of their biological activity in various cancer cell lines**  
SUCU B. O., Ipek Ö., Kurtulus S. O., Yazici B. E., KARAKAŞ N., GÜZEL M.  
Bioorganic Chemistry, vol.91, 2019 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis and Biological Evaluation of Novel Lonidamine Derivatives as Potential Antitumor Agents**  
ŞAVLUĞ İPEK Ö., SUCU B. O.  
11th International Drug Chemistry Congress, Antalya, Turkey, 9 - 12 March 2023
- II. **SYNTHESIS OF NEW DUAL DRUG CANDIDATES THAT MAY HAVE THERAPEUTIC EFFECT AND DETERMINATION OF THEIR BIOLOGICAL ACTIVITIES**  
Şavluğ İpek Ö., SUCU B. O., GÜZEL M., YOLAÇAN Ç.  
10th International Drug Chemistry Congress, Antalya, Turkey, 10 - 12 March 2022

## Supported Projects

Sucu B. O., Güzeldemirci N., Güzel M., Öztürk N., Durdağı S., ŞAVLUĞ İPEK Ö., TUBITAK Project, Synthesis and Biological Activity Studies of Novel Hexokinase-2 Inhibitors Against Cancer Metabolism, 2021 - 2023

## Metrics

Publication: 11

Citation (Scopus): 91

H-Index (Scopus): 6