

## Res. Asst. FURKAN MELETLİ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: HHZ-5061-2022

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### Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Chemistry, Turkey 2023 - Continues

Postgraduate, İstanbul University-Cerrahpaşa, Institute Of Graduate Education, Department Of Biochemistry, Turkey 2020 - 2023

Undergraduate, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Chemistry, Turkey 2014 - 2018

### Research Areas

Chemistry, Biochemistry, Enzyme Kinetics, Protein Chemistry, Natural Sciences

### Academic Titles / Tasks

Research Assistant, Marmara University, Faculty of Arts and Sciences, Chemistry, 2021 - Continues

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

- I. **DNA and hemoglobin binding activities: Investigation of coumarin-thiosemicarbazone hybrids**  
Çelik E., Meletli F., Özdemir M., Köksoy B., Daniş Ö., Yalçın B.  
Bioorganic Chemistry, vol.153, 2024 (SCI-Expanded)
- II. **Design, synthesis and biological evaluation of novel benzocoumarin derivatives as potent inhibitors of MAO-B activity**  
MELETLİ F., Gündüz C., Alparslan M. M., ATTAR A., DEMİR S., İskit E., DANIŞ Ö.  
Bioorganic and Medicinal Chemistry Letters, vol.113, 2024 (SCI-Expanded)
- III. **Arylcoumarin and novel biscoumarin derivatives as potent inhibitors of human glutathione S-transferase**  
Ozalp L., Orhan B., Alparslan M. M., Meletli F., Çakmakçı E., Daniş Ö.  
Journal of Biomolecular Structure and Dynamics, vol.42, no.21, pp.11456-11470, 2024 (SCI-Expanded)
- IV. **Investigation of the Interaction of Monoamine Oxidase (MAO) Inhibitor Biscoumarins with Hemoglobin and Albumin Using Multi-Spectroscopic Techniques and Molecular Docking**  
Mutafoğlu B. S., MELETLİ F., DANIŞ Ö.  
Analytical Letters, 2024 (SCI-Expanded)

## Papers Published in Refereed Scientific Meetings

- I. **Investigation of Binding Interactions Between Novel Pyrazole Derivatives and Bovine Hemoglobin by Spectroscopic and Molecular Docking Studies**  
Meletli F., Akın N., Yapar S., Ogan A.  
9th International Conference on Materials Science and Nanotechnology for Next Generation, Ankara, Turkey, 22 - 24 September 2022, pp.172
- II. **Investigation of Relation Diverse Coumarin Compounds with Nitric Oxide Synthase Isoenzymes by In Silico**  
Meletli F., Ergüven B., Danış Ö., Erdem S.  
34. Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022, pp.318-319
- III. **Investigation of Binding of Coumarin Derivatives to Bovine Serum Albumin at Physiological pH by Spectral and Molecular Docking**  
Meletli F., Kazancıçok Z., Akın N., Danış Ö., Ogan A.  
34. Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022, pp.311-312

## Supported Projects

Görgülü A. O., Danış Ö., Koran K., Çalışkan E., Meletli F., Dicle C., Kapdan S., Project Supported by Higher Education Institutions, Investigation of New Drug Active Substances for the Symptomatic Treatment of Parkinson's Disease, 2024 - 2026

Demir Kanmazalp S., Yalçın B., Danış Ö., Meletli F., Özdemir M., TÜBİTAK Project, Synthesis and In Vitro/In Silico Investigation of New Iminocoumarin Derivatives with Anti-Urease Potential, 2024 - 2025

Demir S., Yalçın B., Meletli F., Özdemir M., Project Supported by Higher Education Institutions, In Vitro and In Silico Investigation of the Effects of Coumarin-Phthalonitrile Derivatives on Coagulation Factor Xa Activity and Their Binding to Serum Albumin, 2023 - 2025

## Metrics

Publication: 7

Citation (Scopus): 1

H-Index (Scopus): 1