

Amanatidou Dionysia

Email: damanatidou@ihu.gr,
dionusiaam@gmail.com

ORCID: 0000-0002-5849-4192



Amanatidou Dionysia graduated as a Biomedical Scientist from the Alexander Technological Education Institute of Thessaloniki in 2017. She completed her Master's degree in "Biomedical and Molecular Sciences – Diagnosis and Treatment of human diseases" in 2020 and began her PhD in the Department of Biomedical Sciences at International Hellenic University in 2021, which is ongoing till now.

Her research involves evaluation of novel enzyme inhibitors with pharmaceutical interest using *in vitro* and *in silico* methods. She is interested in Computer-Aided Rational Design of selective enzyme inhibitors and has focused in effective application of Docking analysis by applying and developing novel prediction models for accurate identification of potent enzyme inhibitors.

In parallel, she has worked on the immunologic responses to food-derived antigens and infectious factors and their correlation with several diseases, with her research also encompassing exploitation of molecular mechanisms based on bioinformatics.

In addition, she is interested in the impact of diet, lifestyle, and environmental factors on biological markers in healthy individuals, correlating biochemical signatures with disease pathophysiology.

She has 6 publications in peer-reviewed scientific journals with an average impact factor of 3.8, along with 6 published conference abstracts in scientific journal supplements, with an average impact factor of 11.1 and 21 abstracts in Conference Proceedings.