

Shoruq Naji

Gender: Female | Email address: shoruq.naji@iusspavia.it | Website: <https://scholar.google.com/citations?user=e0hTN8EAAAAJ&hl=en&authuser=1> | Address: 27100, pavia, Italy (Home)

About myself

As a PhD student with hands-on experience in computational chemistry and structural biology, I have worked extensively on protein engineering, enzyme modifications, and drug design. My research has given me practical experience in utilizing molecular dynamics simulations, ligand-protein interactions, and structure-based drug design to address complex scientific problems. Alongside my academic work, I've cultivated skills in data analysis and predictive modeling, often leveraging Python to build and optimize workflows for experimental validation.

Work experience

Assistant lecturer | Al-azhar university | 01/09/2019 - 18/07/2020 | gaza, Autonomous Palestinian Territories

Business or sector Education | Department: pharmacy department | Website: <http://www.alazhar.edu.ps/eng/>

Hospital pharmacy specialist | Al-aqsa hospital | 20/07/2020 - 01/11/2020 | gaza, Autonomous Palestinian Territories

Research assistant | TRUSTLIFELABS | 01/06/2023 - 01/12/2023 | Istanbul , Türkiye

Education & Training

5 years University Degree at Pharmacy department | Al-Azhar university | 01/09/2014 - 01/07/2019 | gaza, Autonomous Palestinian Territories

supervisor: Usama abu mohsin

Field(s) of study: Pharmacy | Final grade: 90.22% | Type of credits: ECTS | Number of credits: 170 | Thesis: The relation between hormone replacement therapies and cancer among women | Address: Palestine, Gaza00970

Master Diploma in pharmaceutical chemistry | Anadolu university | 01/10/2021 - 29/05/2023 | eskisehir, Türkiye

supervisor: Ahmet Ç a r l Karaburun

Field(s) of study: Health and welfare | Final grade: 3.96 | Type of credits: ECTS | Number of credits: 120 | Thesis: The design, synthesis and biological activity evaluation of novel pyrrole derivatives as selective COX-2 inhibitors

Erasmus Exchange Program | Università degli Studi "G. d'Annunzio"Chieti – Pescara | 01/09/2022 - 15/02/2023 | Chieti, Italy

supervisor: Mariangela Agamennone

Type of credits: ECTS | Number of credits: 30 | Thesis: docking studies of synthesized compounds work on cox-2 enzyme | Address: Province of Chieti, italy65127

PhD | IUSS PAVIA | IUSS - Istituto Universitario di Studi Superiori | 01/09/2023 - Current | Pavia, Italy

Language Skills

Mother tongue(s): Arabic

	Understanding		Speaking		Writing
	Listening	Reading	Spoken production	Spoken interaction	
English	C1	C1	C1	C1	C1
Turkish	C1	C1	C1	C1	C1
Italian	A2	A2	A2	A2	A2

Skills

Homology Modelling, Docking, Molecular Dynamic Simulations | Pharmacophore modeling | Computational PBK Modelling, ADMET & Nano-QSAR Modelling | Schrodinger Maestro (Intermediate) | Computational Modeling tools: molecular dynamics, MAESTRO, VMD, PYMOL | Modelling- Ligplus | Protein-Protein Docking | QSAR Toolbox | Matlab (beginner) | QSAR models | Molecular dynamic simulation | Desmond Molecular Dynamics Simulation

Publications

[Awareness of colorectal cancer signs and symptoms: a national cross-sectional study from Palestine](#)

2022.

[Awareness of Colorectal Cancer Risk Factors in Palestine: Where Do We Stand?](#)

2022.

[Perceived barriers to early presentation and symptom-specific time to seek medical advice for possible colorectal cancer symptoms among Palestinians](#)

2023.

[Design and Evaluation of Synthesized Pyrrole Derivatives as Dual COX-1 and COX-2 Inhibitors Using FB-QSAR Approach](#)

2023.

[Screening Perspectives: The Role of Colorectal Cancer Awareness in Shaping Attitudes Toward Colonoscopy in Palestine](#)

2024.

[Myths and Common Misbeliefs About Colorectal Cancer Causation in Palestine: A National Cross-Sectional Study](#)

2024.

[Differences in Colorectal Cancer Awareness Between Vegetarians and Nonvegetarians: A National Cross-Sectional Study From Palestine](#)

2024.

Conferences & Seminars

National Congress in pharmaceutical chemistry | 26/08/2022 - 29/08/2022 | Fenerbahçe üniversite, Istanbul, Turkey

U D E F International Student Symposium, Kahramanmaraş Sultanzade Üsküdar Üniversitesi, Kahramanmaraş, TURKEY | 23/09/2022 - 25/09/2022

Recording of Advancing a Pipeline of Drug Discovery Programs Using Diverse Machine Learning Strategies Coupled with Physics-Based Simulations | 27/04/2023 - 27/04/2023 | Schrödinger Webinars

Prof. Di Pizio's seminar series (online seminars) | 26/01/2022 - 02/02/2022 | Università degli Studi "G. d'Annunzio"Chieti – Pescara :

1.Lucie Delemotte – Enhancing sampling methods (January 26, 2022)

2.Noelia Ferruz – Protein design (February 2, 2022).

Advances in Physics and AI Methods for Drug Discovery - MolSoft ICM UGM 2023 | 01/03/2023 - 03/03/2023 | Online Seminar

Computational approaches to understanding and engineering enzyme catalysis | 29/09/2025 - 03/10/2025 | stockholm, sweden

<https://computationalenzymeengineering2025.febsevents.org/>

Solution scattering from biological macromolecules (EMBL) | 06/10/2025 - 21/11/2025 | Hamburg, Germany

<https://www.embl.org/about/info/course-and-conference-office/events/sbm25-01/>

Recommendations

Prof. Ahmet Çarlı | karakulu@amadol.edu.tr

master degree supervisor

Prof.Federico Forneris | federico.forneris@unipv.it

Current PhD supervisor

Projects

The design, synthesis and biological activity evaluation of novel thiazolidine derivatives as selective COX-2 inhibitors | 01/12/2021 - 01/04/2022

Electrophysiological effects of oxcarbazepine in a peripheral neuropathy model: Nociceptin-related mechanisms | 01/11/2021 - 01/08/2022

Fragment-Based Discovery of thiazolidine-Based Inhibitors of Cyclo-oxygenase 1 and 2 | 15/09/2022 - 01/06/2023

Dataset of Cox Inhibitors and QSAR Design: Chemical Synthesis and Biological Activity Evaluation of Novel Pyrrole Carboxylic Acid Derivatives as Analgesic and Anti-inflammatory Agents | 01/10/2022 - 29/05/2023

9th International BAU Drug Design confernace | 23/11/2023 - 29/11/2023

Honours and Awards

Master's Scholarship by the Turkish Government (YTB), 2021, Turkey. | 01/11/2021

As a research intern, D'Annunzio University of Chieti | Erasmus+ Study by EU National Agency | 01/09/2022

Reach Education Fund grant | Reach Education Organization | 02/10/2018

Research Grant | Ilim Yayma Vakfi, Turkey | 01/11/2021

• **Excellent with 2nd Honor degree, Pharmacy department, Al-azhar university** | 01/07/2019