



Shima Siadohoni

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EDUCATION AND TRAINING

PhD in Chemical Science

University of Florence [01/11/2024 - Current]

City: Florence | Country: Italy | Website: www.unifi.it | Thesis: Design and synthesis of modified peptides of SARS CoV-2 Spike protein to characterize the immune response.

winner of a scholarship for The PhD Programme in the CHEMICAL SCIENCES XL cycle, with administrative headquarters at the University of Florence - Department of Chemistry "Ugo Schiff".

M.Sc. in Nano Chemistry

Iran University of Science and Technology [20/10/2020 - 13/03/2023]

City: Tehran | Country: Iran | Website: www.iust.ac.ir | Final grade: 19.50 out of 20 | Thesis: Simulation, synthesis and identification of Mn/Mg/Zn metal nanooxides and raffinose-based hydrogels to investigate pharmaceutical and environmental applications.

B.Sc. in Pure Chemistry

Al-Zahra University [22/09/2016 - 21/07/2020]

Address: Vanak Village Street Chemistry department, Tehran (Iran) | Website: www.alzahra.ac.ir | Final grade: 16.04 out of 20

WORK EXPERIENCE

Supervisor of the research team

Iran University of Science and Technology [06/09/2021 - 20/09/2022]

City: Tehran | Country: Iran | Name of unit/department: Chemistry

During my master's degree, I was responsible for supervising the research team in the bioinorganic chemistry laboratory in the chemistry department of Iran University of Science and Technology (IUST).

University teaching assistant in "Advanced Inorganic Chemistry"

Iran University of Science and Technology [10/2021 - 02/2022]

City: Tehran | Country: Iran | Name of unit/department: Chemistry/Inorganic Chemistry

Assistant lecturer in "Physical Chemistry II" laboratory

Al-Zahra University [01/2019 - 01/2020]

City: Tehran | Country: Iran | Name of unit/department: Chemistry/Physical Chemistry - Business/sector: Education

Chemistry Teacher

Self employ [2017 - Current]

City: Tehran and Qazvin | Country: Iran

Private tutoring of chemistry to high school learners

PUBLICATIONS

[2021]

Green Synthesis of Fe₃O₄/Ag nanocomposites by Saponins Tri Pterpenoid Extract and Evaluation of its application for drug delivery

PROJECTS

[02/2021 – 10/2022]

Developing a new drug to treat Alzheimer's disease using simulation and modeling

Based upon simulation and modeling, it is proposed that a novel drug will be developed for the treatment of Alzheimer's disease. This drug inhibits Acetylcholinesterase and Butyrylcholinesterase.

[08/2019 – 09/2019]

Modeling the rate of plastic decomposition in a multifactorial environment

We presented a mathematical model of plastic decomposition rates in multi-factor environments in the second problem-based learning workshop (PBL) in cooperation with Al-Zahra University and Khajeh Nasir Toosi University of Technology, together with undergraduate and graduate students in chemistry, microbiology, mathematics, and statistics.

HONOURS AND AWARDS

[05/2022] Iran University of Science and Technology

Brilliant talents

Achieved the top spot among distinguished master's degree students in chemistry for 2021-2022

Cultural and Social Vice-Chancellor of the Ministry of Science, Research and Technology of Iran

The 11th national festival of student publications

Awarded third place in the selected works section of the 11th National Festival of Student Publications

DIGITAL SKILLS

Specialized Chemistry Software

HyperChem / Chem Office / Material Studio / Gaussian / Molegro Virtual Docker / ChemDoodle / ChemCraft / Origin

Microsoft Office

Microsoft Excel / Microsoft Word / Microsoft Powerpoint

Adobe

Adobe Photoshop / Adobe InDesign

Other

LaTeX / EndNote

LANGUAGE SKILLS

Mother tongue(s): Persian

Other language(s):

English

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Turkish

LISTENING A2 READING A2 WRITING A1

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user