



# Roja Rahmani

COMPUTATIONAL CHEMIST

No. 1208, Professorsslingan 53, Stockholm, Sweden

☎ (+46) 766-044955 | ✉ roja.rahmani@mmk.su.se | 🌐 rojarahmani

## Education

### Ph.D. Student in Physical Chemistry

STOCKHOLM UNIVERSITY

• **Supervisor:** Prof. Alexander Lyubartsev

Stockholm, Sweden

October 2020-now

### Master of Science in Physical Chemistry

K. N. TOOSI UNIVERSITY OF TECHNOLOGY

Tehran, Iran

2016-2019

### Bachelor of Science in Applied Chemistry

UNIVERSITY OF TABRIZ

Tabriz, Iran

2013-2016

## Publications

1. **Rahmani, Roja**, Alexander P. Lyubartsev. Biomolecular Adsorption at ZnS Nanomaterials: A Molecular Dynamics Simulation Study of the Adsorption Preferences, Effects of the Surface Curvature and Coating. *Nanomaterials* 13, no. 15: 2239.
2. Saeedimasine, Marzieh, **Roja Rahmani**, and Alexander P. Lyubartsev. Biomolecular Adsorption on Nanomaterials: Combining Molecular Simulations with Machine Learning. *Journal of Chemical Information and Modeling* 64.9 (2024): 3799-3811.

## Experience

### Teaching Assistant

CHEMICAL BONDING, STOCKHOLM UNIVERSITY

2022-2024

PHYSICAL CHEMISTRY: QUANTUM MECHANICS AND SPECTROSCOPY, STOCKHOLM UNIVERSITY

2022-2023

PHYSICAL CHEMISTRY II LAB, K. N. TOOSI UNIVERSITY OF TECHNOLOGY

2018

## Presentation

### Poster Presentation

37<sup>th</sup> EUROPEAN AND 14<sup>th</sup> INTERNATIONAL PEPTIDE SYMPOSIUM

Florence, Italy

August 2024

### Oral Presentation

CECAM WORKSHOP

Florence, Italy

August 2024

### Oral Presentation

NANOSOLVEIT CONFERENCE

Piraeus, Greece

August 2023

### Poster Presentation

CECAM-GGMM 2023 – YOUNG MODELLER CONFERENCE

Toulouse, France

May 2023

ESSENCE-EMMC MEETING-MULTISCALE MODELLING OF MATERIALS AND MOLECULES 2022

Uppsala, Sweden

June 2022