

MAHIMA DEVI

M. Sc. (Bioinformatics), UoA



SKILLS

CADD (Molecular docking and Simulation)

Pymol, VMD, AutoDock tool, UCSF Chimera, Avogadro

Autodock VINA, GROMACS

Bimolecular modeling

Basic Programming language R, Perl, java

CONTACT

Prayagraj
SG colony Teliyarjang

+91 89 60 31 08 29

mahimatri755@gmail.com



PROFILE

Student of bioinformatics with a modicum of experience, with a focus on R, Perl, and Java. Expertise in computer-aided drug design (CADD), which includes molecular docking and simulation, molecular modeling, and molecular phylogeny. competent with advanced simulation software such as Autodock VINA and GROMACS, and with tools like PyMOL, VMD, AutoDock, UCSF Chimera, and Avogadro. comfortable with MySQL database management and queries. I'm excited to use my abilities in cutting-edge bioinformatics initiatives for businesses or research.

WORK EXPERIENCE

MSc Thesis

1

Molecular docking and simulation study of cannabinoids drugs in SARS-CoV-2 and Cannabinoid type-2 receptor

Thesis Supervisor: Dr Vivek Kumar Yadav (Ph.D. IIT Kanpur), Department of Chemistry, University of Allahabad, Prayagraj.

EDUCATION

M. Sc. Bio-informatics (CPI: 7.3)
University of Allahabad

2021 - 2023

B. Sc. Physics (59.85 %)
State University of Allahabad

2017 - 2020

PUBLICATIONS

2. Screening and Simulation Study of Efficacious Antiviral Cannabinoid Compounds as Potential Agents Against SARS-CoV-2
Mahima Devi and Vivek Kumar Yadav*

Under Review

1. Design, Synthesis, and Computational Studies of Novel -Ketophosphonates as Antiviral Agents
Aman, Mahima Devi, Vivek Kumar Yadav* and Deepti Verma*

Under Review

CERTIFICATIONS

From 12th to 18th April

Attended workshop on Computational Chemistry and Molecular Design

2024

Veer Bahadur Singh Purvanchal University, Jaunpur, UP

From 4th to 10th January

Karyashaala Event on Quantum Chemical Calculations and Molecular Dynamics Simulations Department

2024

Department of Chemical Engineering, IIT Guwahati.

From 13th to March 17th,

Short-Term Course on Computer-aided drug designing and structural bioinformatics (CADD SB 2023) Indian Institute of Technology

2023

Indian Institute of Technology (IIT), Banaras Hindu University (BHU)

From 2nd to 4th March,

Attended Workshop on Advanced Theoretical and Experimental Research tools (WATER-2023)

2023

University of Allahabad, Prayagraj

From 10th to 11th September

Hands-on training program on the application of high-performance computing drug design.

2022

Department of Biotechnology, MNNIT Allahabad. (SERB New Delhi)

DECLARATION

I, Mahima Devi, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

15 August 2024

Mahima