

# MUHAMMAD MATLOOB

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Age: 25



- Objective

As an experienced individual, I would like to devise captivating, fascinating, and unique practices of teaching that creates interest in the students. With the help of my cordial nature, I would like to build good rapport with students as well as with colleagues.

- Education

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY (NUST)**

MS Biomedical Sciences (3.65/4.0)

Islamabad, Pakistan

2016-2019

**UNIVERSITY OF GUJRAT**

BS Biochemistry and Molecular Biology (3.05/4.0)

Gujrat, Pakistan

2011-2015

**BOARD OF INTERMEDIATE AND SECONDARY EDUCATION**

F.Sc (secured A Grade in Pre-Medical)

Gujranwala, Pakistan

2009-2011

**BOARD OF INTERMEDIATE AND SECONDRY EDUCATION**

Matric (secured A+ Grade in Science-Bio)

Gujranwala, Pakistan

2007-2009

- Experience

**ILM Group of Colleges (2019-Present)**

- Teaching Biology & Biochemistry to Intermediate and Bachelor level.

**High Aim Foundation School (2018-2019)**

- Teacher of Science subjects in high section. Design and develop classroom assignments and programs. Conduct Examination and Develop Report Cards. Arrange parents' teacher meeting.

**Lecturer in Academy (2018-Present)**

- Teaching Biology to College students.

**Noor International (March-July 2018)**

- Working as Sale Executive for Company that deals in biomedical equipment and provide service.

**Medical Device Development Centre (NUST) (Dec 2017-Feb 2018)**

- Internship in MDDC, first company in Pakistan to begin with the production of cardiac stents.

**MS Final Year Dissertation (2017-2018)**

- **Title** "Computational analysis for the prediction of potential inhibitors of lactate dehydrogenase enzyme of Enterococcus faecalis"
- **Description**
  - Modelled the protein structure of LDH enzyme by Modeller.
  - Validated the modelled structure by different bioinformatics tools.
  - Searched the libraries and literature for potential inhibitors.
  - Docked modelled protein with these ligand through AutoDock Vina
- **Results** -Docking result identified different potential inhibitors that could be used along with antibiotics to kill infections of enterococcus faecalis.

- Academic Activities

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**Workshop on Flow cytometry-2017** Islamabad, Pakistan

I have attended a workshop conducted by Alpha Genomics (Pvt) Ltd, which is the organization working in life sciences research, on flow cytometer principles, applications and data analysis (14<sup>th</sup> Nov.2017).

**INSN-2017** Islamabad, Pakistan

I have attended 3<sup>rd</sup> International nanomedicine Symposium on Nanotheranostics 'The Power of Nanomedicine' conducted by NILOP Islamabad on importance of nanomedicine in treatment of cancer (21<sup>st</sup> Nov. 2017).

**ARTID-2017** Islamabad, Pakistan

I have attended a workshop on application of robotics technology for industrial development in Pakistan conducted by Robotics' Dept. NUST (10<sup>th</sup> Apr. 2017).

**ICBBB-2016:** Faisalabad, Pakistan.

I have attended the International conference of Biochemistry, Biotechnology and Biomaterials (Feb 22-24, 2016)

**UOG HAYATIAN BOOK SOCIETY:** Gujrat, Pakistan

Initiate society of university of Gujrat to support students in providing minor subjects books.

Core society member: 2013-2015.

- Project

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- Computer Aided Drug Designing of pathogenic Bacteria 'Enterococcus Faecalis' that is 2nd most dangerous bacteria causing nosocomial and UTI infections.

- Publication

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- Published a research paper on In-silico structural and functional characterization of hypothetical protein; A new therapeutically target for S. Pyrogenes in ICBBB (FEB 2016).

- Honors and Awards

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**MEMBER OF NATIONAL YOUTH ASSEMBLY (2017-PRESENT)**

- Membership No. 4129

**ACADEMIC SCHOLARSHIP** Islamabad, Pakistan

- Received full merit based scholarship from Punjab Educational Endowment Fund (2016-2018).

**ACADEMIC SCHOLASHIP** Gujrat, Pakistan

- Received full merit based scholarship from Punjab Educational Endowment Fund (2011-2015).

**CHIEF MINISTER'S AWARD**

- Received merit-based Laptop Award from Chief Minister Punjab (2011)

- Extracurricular Activities & Additional Skills

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- Interpersonal Skills: adaptable and sustainable ,collaborative and focused
- Strength: stress management , positive thinking attitude, cooperative
- Soft skills: Microsoft office , operating systems and software installation
- Interests: Reading books and novels, Reading newspaper, Attending events and sessions, welfare works
- Problem solver, decision maker, honest, creative, assertive and accountable.
- Entrepreneurial worker: driven to succeed, able to motivate others and work in teams

Reference: Will be furnished on demand.