



Nosheen Siddique

Nationality: Pakistani

CONTACT

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ABOUT ME

My aim is to deepen the scientific understanding of microbial pathogens and their impact on plant and human health. Through my research on controlling *Verticillium dahliae* using chitosan, I explored effective, eco-friendly solutions in microbiology. I strive to contribute meaningful research in the fields of biology and chemistry, particularly in disease prevention and sustainable practices. My objective is to bring this research-driven approach into the classroom to enhance students' learning experiences. I seek an academic role where I can integrate teaching and research across biology, microbiology, and chemistry to develop well-rounded future scientists.

WORK EXPERIENCE

Quaid-e-Azam University Islamabad

Visiting Faculty – Plant Diversity and Microbiology

06/01/2025 – 10/06/2025

- Delivered undergraduate and postgraduate lectures on Plant Diversity and Microbiology, aligning content with current scientific research and curriculum standards.
- Designed and supervised laboratory practicals, focusing on microbial techniques, plant taxonomy, and ecological interactions.
- Developed course materials, including syllabi, assignments, and assessment tools, to enhance student learning outcomes.
- Collaborated with department faculty in curriculum review and interdisciplinary teaching initiatives.
- Maintained accurate records of student performance, providing feedback and academic support as required.

Find tutor Pakistan

Part-time Tutor

03/2023 – 11/11/2024

- Tutored Biology to students at IGCSE, O-Level, A-Level, and AP Biology levels.
- Addressing student questions and concerns, offering clear explanations, and ensuring a thorough understanding of biological topics.
- Assigning and Reviewing Assignments.
- Assisting students in preparing for exams, quizzes, and assessments by reviewing key concepts and providing effective study strategies.

Quaid-e-Azam University Islamabad

Teacher Assistant – Microbiology Laboratory

04/2024 – 07/2024

- Assisted in preparing and organizing laboratory materials, reagents, and microbial cultures for practical sessions.
- Supported students during lab exercises by demonstrating microbiological techniques such as staining, culturing, and microscopy.
- Ensured compliance with laboratory safety protocols and proper handling of biological specimens and hazardous materials.
- Monitored and maintained laboratory equipment to ensure proper functionality and cleanliness.
- Collaborated with faculty to develop and revise lab manuals and instructional materials.
- Maintained accurate records of attendance, performance, and lab activity outcomes.

YC solution (nsol) Rawalpindi, Pakistan

Online Biology, Chemistry and English Teacher

01/04/2022 – 11/2022

- Tutoring AP Biology, IGCSE Biology and Chemistry, A-Level Biology, and O-Level Biology and Chemistry. Also assisting students of Grades 4, 5, and 6 with English assignments and grammar improvement.
- My responsibility is to deliver lectures along with performing activities and preparing some knowledge and conceptual-based questions from topics that help students better understand of the subject knowledge and prepare them for exams.
- Preparing lesson plans on a daily basis.
- Prepare a weekly report of students and take feedback from parents.
- Assessing activities.
- Daily Evaluation.

Kashmir Education foundation Rawalpindi, Pakistan

Business or Sector Education | **Website** <https://kef.education/joan-atkinson-college/>

Professional trainer of Post Graduate Diploma Course

01/2021 – 04/2022

- Observes classroom teaching to evaluate strengths and areas for improvement, providing constructive feedback and one-on-one training.
- Organizes workshops, training events, and collaborates on enhancing curricula, lesson plans, and classroom management.
- Sets clear goals for teachers and students, offering guidance to support achievement and reassessing progress post-training.
- Develops innovative strategies to enhance learning experiences and fosters teacher collaboration through professional networks.

Government college for women Pakistan

Business or Sector Education | **Website** <https://hed.punjab.gov.pk/colleges>

Biology lecturer

09/2019 – 05/2020

- Planned and delivered engaging biology lessons, assessed student performance, and adapted teaching methods to enhance learning outcomes.
- Maintained classroom discipline, ensured a safe learning environment, and followed district policies and academic standards.
- Participated in educator meetings and training, and communicated regularly with students and parents regarding progress and concerns.

EDUCATION AND TRAINING

01/10/2022 – 12/09/2024 Islamabad, Pakistan

MS Molecular Plant Pathology Quaid-e-Azam University, Islamabad

Address Quaid-e-Azam University, Islamabad, Islamabad, Pakistan | **Website** <https://qau.edu.pk> | **Field of study** Molecular plant pathology | **Thesis** Control of Root rot disease in Solanum lycopersicum caused by Verticillium dahliae through Chitosan.

10/2019 – 01/2022 Pakistan

B.ed Allama Iqbal open university

Field(s) of study: Education: Teacher training with subject specialization Education science School Organization, Evaluation, Guidance, and Research, Islam, Pakistan and Modern World, Perspectives of Education, Education Psychology and Curriculum, Workshop and Teaching Practice, Teaching of Chemistry, The teaching of Biology, Teaching of English

Website <https://aiou.edu.pk/> | **Final grade** 80%

10/2017 – 06/2019 Rawalpindi, Pakistan

Ms.c Botany Arid Agriculture university

plant physiology, taxonomy, ecology, plant pathology, Ecotoxicology, environmental pollution, Biodiversity and Conservation, Cell Biology, Biotechnology, Environmental Biology

Website <https://www.uaar.edu.pk/index.php> | **Final grade** 3.54/4.00 85%

10/2015 – 05/2017 Pakistan

B.Sc University of the Punjab

Botany, Chemistry, Zoology, English Language

Website <http://pu.edu.pk/> | **Final grade** 65%

2013 – 2015 Pakistan

F.Sc Punjab Group of Colleges

Biology, Chemistry, Physics, English

Website <https://pgc.edu/> | **Final grade** 85%

LANGUAGE SKILLS

Other language(s):

English

Listening C1

Spoken production C1

Reading C1

Spoken interaction C2

Writing C2

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

SKILLS

Organization planning and punctuality | Collaboration & Teamwork | PCR for DNA Extraction | Unit operating- Spectrophotometer, Flame photometer, Distillation unit, etc. | Pinnacle- Supply Chain Software | centrifugation | Microsoft Powerpoint | Microsoft Office | Team-work oriented | Microsoft Excel | Coraldraw design | Interactive online canvases

LABORATORY SKILLS OF MOLECULAR BIOLOGY

DNA RNA extraction | Gel Electrophoresis | Restriction enzyme digestion | Microsoft Office: proficient user of Word, Excel and Powerpoint | Spectrophotometry

CONFERENCES AND SEMINARS

22/04/2016 – 27/05/2016 Arid Agriculture University, Rawalpindi

Seminar on Dissemination of Technology of Value Addition of Food

06/05/2017 – 09/05/2017 Arid Agriculture University, Rawalpindi

Seminar on Training youth to become leaders through Peace and Human Rights

04/04/2016 – 10/04/2016 Agricultural Engineering & Technology, Arid Agriculture University, Rawalpindi

Training Workshop on Prospects of Modern Beekeeping

10/05/2018 – 15/05/2018 Faculty of Agricultural Engineering & Technology , Arid Agriculture University, Rawalpindi

Training Workshop on WRM (On-Farm Water Management, Conservation, Harvesting and Irrigation Systems

09/09/2019 – 16/09/2019 Arid Agriculture University, Rawalpindi

Control of Transboundary Animal Diseases in Pakistan

Faculty of Veterinary and Animal Sciences (FV&AS) in collaboration with the Food and Agriculture Organization (FAO) of the United Nations

PROJECTS

10/2018 – 06/2019

Biological Resources of Pakistan

My main goal was to investigate and interpret information on forests and wildlife in Pakistan by examining key details such as how they have been considered the main biological resources, benefit production, why they're being destroyed by human activities and strategies to minimize and restore valuable resources.

HONOURS AND AWARDS

2019 <http://www.peef.org.pk>

Shahbaz sharif merit scholarship