**Nida Munir**

**Education**.

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**University of Peshawar** Pakistan.

*Masters of Philosophy, Biotechnology. 2009-2011*

*Centre of Biotechnology and Microbiology.*

* Relevant courses: Advance Cellular Biology, Plant Tissue Culture and Applications, Pollution Control Technology, Environmental Biotechnology, Protein Chemistry, Recent Trends and Development in Biotechnology.

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**University of Peshawar** Pakistan.

*Bachelors of Science, Biotechnology. 2003-2007*

*Centre of Biotechnology and Microbiology.*

* Relevant courses: Cellular Signaling, Industrial Microbiology, Plant Pathology, DNA Recombinant Technology, DNA Forensics, Bio-Ethics, Food Biotechnology, Environmental Biotechnology, Medical Biotechnology, Bio-informatics, Biochemistry, Biochemical Engineering, Immunology, Research Methodology, Business and Economics in Biotechnology, Plant Conservation, Genomics and Proteomics, Renewable Resource Technology, Advances in Molecular Biology.

**Work Experience**

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**University of Peshawar.** *Centre of Biotechnology and Microbiology, Peshawar, Pakistan.*

*Lecturer. Sept. 2008 – Till Date.*

* Teaching undergraduate courses at *Centre of Biotechnology and Microbiology.*
* Taught semester courses a vast variety of subjects namely; Bioethics, Microbial Physiology, Microbial Diversity, Genetics, Nucleic Acids, Cell Biology, Plant Biotechnology and Industrial Biotechnology.
* Supervised thesis as part of fulfillment for undergraduate students in Biotechnology.
* Represented *Centre of Biotechnology and Microbiology* at different platforms around the country in the field of Biotechnology.
* Delivered guest lectures at different institutes around the country in the field of Biotechnology.
* Arranged conferences and guest lectures in the field of Biotechnology for *Centre of Biotechnology and Microbiology.*

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**Beaconhouse School System.** *Science Campus Jamrud, Peshawar, Pakistan.*

*Science Coordinator and Tutor. Mar. 2008 – Mar 2009.*

* Managed Senior O and A-Levels science classes.
* Taught science subjects and coordinates lesson plans for the science staff for the study calendar.

**Published Research Work**

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*Biological screening of Hedera Nepalensis.*

**Journal of Medicinal Plants Research** Vol. 6(39), pp. 5250-5257, October 2012

ISSN 1996-0875 ©2012 Academic Journals

* **Abstract:** *The aim of the current work was to screen the crude methanolic extract (Cr. MeOH Ext.) and various fractions of Hedera Nepalensis for antibacterial, antifungal, brine-shrimp lethality, phytotoxicity, heamagglutination, insecticidal and nitric oxide free radical scavenging assay.*

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*Biological Potential and Isolation of Active Secondary Metabolites from Hedera Nepalensis.*

Dissertation for fulfillment of ***Masters in Philosophy***degree in***Biotechnology****.*

* **Abstract:** The M. Phil dissertation comprised of extraction, isolation, Pharmacological/ Biological screening of crude methanolic extract, different fractions and structure elucidation of isolated compounds from Hedera Nepalensis.

**Supervised Research Work**

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*Screening of Leaf Extracts of Stevia Rebaudiana for Antibacterial, Antifungal, Phytotoxic and Haemagglutination Activities*

Dissertation for fulfillment of ***Bachelors in Science***degree in***Biotechnology****.*

*Centre of Biotechnology and Microbiology.*

* Abstract: *The research work comprised of extraction and biological screening of crude methanolic extract and different fractions of Stevia rebaudiana. The crude methanolic extract and various fractions of the plant were investigated for antibacterial, antifungal, phytotoxic and Haemagglutination activities.*

**Research Work**

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Worked on the following research techniques while being a faculty member of *Centre of Biotechnology and Microbiology.*

* Antibacterial activities (zone of inhibition, MICs, MIC50, MIC90 and MBCs measurements).
* Antifungal screening (zone of inhibition, MICs, MIC50 and MIC90 calculation).
* Heam-agglutination screening of the plant extracts.
* Phytotoxic bioassay of the medicinal plants.
* Anti-Oxidant activity of Natural and synthetic compounds.

**Trainings/Workshops Conducted**

* *Organized 1st National Conference on Biotechnology and Microbiology*

**Baragali Campus, University of Peshawar**

Dates: 4th Jul - 7th Jul 2010

* *Organized 2nd National Conference on Biotechnology and Microbiology*

**Baragali Campus, University of Peshawar**

Dates: 3rd Jul – 7th Jul 2012

* *Lecture Series on Chromosomal Abberations and Mutations*

**SARHAD University Peshawar**

Dates: 10th Sep – 13th Sep 2012

* *Lectures Series on Preservation of Endangered Species and Ecosystem*

***SARHAD University Peshawar***

Dates: 18th Oct - 19th Oct 2012

**Trainings Attended**

* *Induction Programme Courses*

**Beaconhouse School System Nowshera Campus**

*Dates: 15th & 17th Sep 2007*

* *Lecture series on Survey of Mass Spectrometry by Dr.David Smith USA*

**University of Karachi, HEJ**

Dates: 2nd Mar- 26th Mar 2009

* *3 day training workshop on Research and Proposal Writing*

**University of Peshawar**

Dates: 9th Feb - 11th Feb 2010

* *Training course on the Safety Measures in the use of Radiation in Agriculture and Biology.*

**NIAB Faisalabad**

Date: 8th Mar- 12th Mar 2010

* *International Conference on Biotechnology and Applied Genetics*

**University of Agriculture Faisalabad**

Dates: 8th Dec -10th Dec 2011

* *Bird Flu Vaccines by Dr. Ijaz Ali*

**University of Peshawar**

Dates: 7th- 9th 2013