

Dr. Nadia Sharif

HEC Approved Supervisor

PROFESSIONAL EXPERIENCE

Assistant Professor/Head of Zoology Department, Women University Mardan, KPK (November 2018 – Present).

Additional Director Admission- (WUM, Mardan, November 2020 – Present).

Deputy Director ORIC – (WUM, Mardan – March 2019- November 2020).

Visiting Lecturer - (LCWU, Lahore March 2016 to May- 2018).

Research Assistant – (LCWU, Lahore- July-2016 to July 2017).

CONTACT

✉ nadiasharif.s7@gmail.com

✉ dnadiasharif@wumardan.edu.pk

🌐 [Nadia Sharif \(researchgate.net\)](https://www.researchgate.net)

EDUCATION

Ph.D. 2017

LAHORE COLLEGE FOR WOMEN UNIVERSITY (LCWU),
LAHORE, PAKISTAN.

ACHIEVEMENTS

- 🏆 SRGP Research Grant from HEC Pakistan (2019).
- 🏆 HEC IRSIP AWARD FOR PH.D. RESEARCH AT JOHN HOPKINS UNIVERSITY, USA (2015).
- 🏆 INDIGENOUS FELLOWSHIP AWARD FOR PH.D. FROM HEC PAKISTAN (2012-2015).

REFERENCES

Prof. Dr. Michael J. Betenbaugh

Chairperson, Department of Chemical and Biomolecular Engineering,
The Johns Hopkins University, Baltimore, MD, USA

Prof. Dr. Shagufta Naz

Chairperson Department of Biotechnology,
Lahore College for Women University, Lahore, Pakistan

Dr. Neelma Munir

Associate Professor, Department of Biotechnology,
Lahore College for Women University, Lahore, Pakistan

PUBLICATIONS (RESEARCH ARTICLES)

1. Zainul Abideen, Hans-Werner Koyro, Faisal Zulfiqar, Anam Moosa, Sarwat Ghulam Rasool, Muhammad Zaheer Ahmad, Muhammad Ahsan Altaf, **Nadia Sharif**, Ali El-Keblawy. (2023). Impact of biochar amendments on copper mobility, phytotoxicity, photosynthesis and mineral fluxes on (*Zea mays* L.) in contaminated soils. 158:469-478.
2. Munir, N., M. Samad, **Nadia Sharif**, R. Haq, and S. Naz. "EFFECT OF MUTAGENS ON BIOMASS AND LIPID CONTENT OF ULOTHRUX SP. AND OSCILLATORIA SP. FOR IMPROVED BIODIESEL PRODUCTION." *JAPS: Journal of Animal & Plant Sciences* 33, no. 1 (2023).
3. A Mujeeb, Z Abideen, I Aziz, **Nadia Sharif**, MI Hussain, AS Qureshi, HH Yang. (2023) Phytoremediation of Potentially Toxic Elements from Contaminated Saline Soils Using *Salvadora persica* L.: Seasonal Evaluation *Plants* 12 (3), 598.
4. **Nadia Sharif**, Hina Zahir, Hoor Shumail, Syeda Asma Taskeen, Nabila Shah Jilani, Syed Inzimum Ul Haq, Shah Khalid. (2021). Antimicrobial activity of *Parthenium hysterophorus* against five bacterial strains.
5. Kiran Zubair, Inamullah, Ayesha Bibi, Arooj Javed, Kehkashan Akbar, **Nadia Sharif** and Naila Zubair. (2021). Genetic Diversity Associated with agronomic traits using microsatellite markers in Pakistani wheat varieties.
6. Fawad Ali, Farhad Ali, Muhammad Shakeel, Muhammad Junaid Yousaf, Salma Noreen, Kaleem Ahmad, Rakhshinda Sadiq, **Nadia Sharif**, Saeeda Saeeda and Asma Shah (2021). Detection of Dengue virus in suspected patients of 2013-2014. Dengue outbreak in Swat, khyber pakhtunkhwa, Pakistan.
7. Muhammad Aamir, Muhammad Noman Khan, Shah Khalid, Mifta-huddin, Imranuddin, Mujeeb ur Rahman, **Nadia Sharif**, Nasar Khan, Hazrat Bilal, Shabirullah. (2021). Influence of various commercial amino acid containing plant tonics on the quality of peach cultivars.
8. Neelma Munir, Maria Rafique, Imran Altaf, **Nadia Sharif** and Shagufta Naz (2018). Antioxidant and Antimicrobial Activities of Extracts from selected Algal Species.
9. Yuting Tang, Yue Zhang, Julian N. Rosenberg, **Nadia Sharif**, Michael J Betenbaugh and Fei Wang (2016). Efficient lipid extraction and quantification of fatty acids from algal biomass using accelerated solvent extraction (ASE).
10. **Nadia Sharif**, Neelma Munir, Faiza Saleem and Shagufta Naz (2015). Factors Affecting Agrobacterium mediated Transformation of Indigenous *Chlorella vulgaris* Bayerinck.
11. Neelma Munir, Ayesha Imtiaz, **Nadia Sharif** and Shagufta Naz (2015). Optimization of Growth Conditions of Different Algal Strains and Determination of Their Lipid Contents.
12. Neelma Munir, Ayesha Imtiaz, **Nadia Sharif**, Rukhama Haq and Shagufta Naz (2015). Screening of lipid contents of Microalgae by optimization of oil extraction processes.
13. Neelma Munir, Ayesha Saleha Iqbal, Imran Altaf, Rasheeda Bashir, **Nadia Sharif**, Faiza Saleem and Shagufta Naz (2014). Evaluation of Antioxidant and Antimicrobial Potential of Two Endangered Plant Species *Atropa belladonna* and *Matricaria chamomila*.

PUBLICATIONS (BOOKS / BOOK CHAPTERS)

1. Biochemical and pharmacotherapeutic potentials of lycopene in drug discovery. In Book: Preparation of Phytopharmaceuticals for the Management of Disorders.
2. Environmental Impacts of Ethanol Production System - In: Sustainable Ethanol and Climate Change: Sustainability Assessment for Ethanol Distilleries,
3. Phytochemistry, Vol 2: Pharmacognosy, Nanomedicine, and Contemporary Issues Pharmacognosy: Definition, Scope, and History'.
Co- Editor: Phytochemistry, Vol 3: Marine, Industrial, And Advances.
Chapter 1: Phytochemicals of Marine Origin
Chapter 2: Extraction of Marine Phytochemicals
4. Algae Based Polymers, Blends, and Composites, Origin of algae and their Plastids,
5. Sensors for Sorting and Grading of Fruits and Vegetables. -In: Sensor-Based Quality Assessment Systems for Fruits and Vegetables.

14. Farzana Rashid, **Nadia Sharif**, Ijaz Ali, Shagufta Naz, Saima Sharif, and Fakhar - un - Nisa (2013). Antimicrobial potential of *Lactococcus lactis* bacteriocin against *Salmonella typhi*.

15. Farzana Rashid, **Nadia Sharif**, Ijaz Ali, Saima Sharif, Fakhar Un Nisa and Shagufta Naz (2013). Phytochemical analysis and inhibitory activity of Ornamental Plant (*Bougainvillea spectabilis*).

PUBLICATIONS (REVIEW ARTICLES)

1. Neelma Munir, Zainul Abideen, **Nadia Sharif**. (2019). Development of halophytes as energy feedstock by applying genetic manipulations. *Frontiers in Life Science*, 2155-3777.
2. **Nadia Sharif**, Neelma Munir and Shagufta Naz (2018). Microbial Production of Alginate.
3. **Nadia Sharif**, Neelma Munir, Faiza Saleem, Farheen Aslam and Shagufta Naz (2014). Prolific Anticancer Bioactivity of Algal Extracts.
4. Neelma Munir, **Nadia Sharif**, Shagufta Naz and Farkhanda Manzoor (2013). Algae: A potent antioxidant source.
5. Neelma Munir, **Nadia Sharif**, Shagufta Naz, Faiza Saleem and Farkhanda Manzoor (2013). Harvesting and Processing of Microalgae Biomass Fractions for Biodiesel Production.

PUBLICATIONS (SHORT COMMUNICATION)

1. Farzana Rashid, Hira Fatima, Ijaz Ali, **Nadia Sharif**, Husna Malik and Sumera Sajjad (2014). Heavy Metal Contamination of Drinking Water nearby Hadiara Drain.
2. **Nadia Sharif**, Neelma Munir, Faiza Saleem, Farheen Aslam and Shagufta Naz (2015). Mass cultivation of various algal species and their evaluation as a potential candidate for lipid production.

Research Supervision (M. Sc & BS)

S.No	Name of Student	Title	Year
1.	Kiran, Ishrat	Gut content analysis of <i>Clupisoma naziri</i> in District Mardan, Pakistan	2021
2.	Aleena Ihsan, Bushra	Factors affecting Polio eradication in Pakistan	2021
3.	Munazza Kainat, Aneela Azeem, Sumbal Amir	Prevalence of Pneumonia under five years age in District Mardan	2021
4.	Hufsa Jani, Ayesha Khan Kainat Wajid	Effects of Micronutrients deficiencies on Immune System, Cardiovascular System and on Pregnancy	2021
5.	Nida Gul	Prevalence of hepatitis - C infection in Mardan, Khyber Pakhtunkhwa: a hospital-based study	2020
6.	Uzma Jamshid	Prevalence report on the enteric fever or typhoid caused by (<i>Salmonella typhi</i> and para typhi) in Mardan	2020
7.	Uzma Nihar	Extraction of casein protein from milk and its applications (Review)	2020
8.	Qurat ul Ain	Comprehensive Review on Novel Corona Virus_Covid-19	2020
9.	Hanifa Tufail	Prevalence of tuberculosis in District Mardan, Khyber-Pakhtunkhwa	2020
10.	Iqra	Effect of whey protein under influence of heat and cold in cow and buffalo milk as well as on human health (Review)	2020
11.	Sidra Hussain Zarqa Sabeen	Pytochemical screening, scavenging activity and lipid profiling of <i>Spirogyra</i> and <i>Oscillatoria</i> microalga strains	2019
12.	Hina Zahir	Antimicrobial activity of <i>Parthenium hysterophorous</i> against potential microbes	2019
13.	Amina Ikram	Extraction of pigments from Microalgae strains and evaluation of their potential antioxidant activity	2019
14.	Asma Alam	Antimicrobial activity of <i>Tamarix aphylla</i>	2019
15.	Sara Hussain	Antimicrobial activity of <i>Spirogyra</i> sp. and <i>Oedogonium</i> sp. microalgae	2019

CONFERENCES AND WORKSHOPS

Organized a valuable activity on “Clean and Green Revolution Society” at Women University Mardan on 11th March 2020.

Actively Participated, and showed excellent management and organizational skills in “WOMEN EMPLOYABILITY SUMMIT 2019” Organized by CATD (Centre for Awareness Training & Development and Women University Mardan on 20th to 21st February 2019.

Actively participated and made an *oral Presentation* in “39th Pakistan Congress of Zoology (International), Organized by Islamia College University, Peshawar on 4-6th March 2019.

Participated and made an *oral presentation* on “Bioprocess Engineering Aspects of Biodiesel production from Microalgae” in “3rd International Conference, Empowering nation through Sciences Organized by Women University Mardan on 24-25th April 2019 in Islamabad, Pakistan.

Participated and made a *poster presentation* in “6th Invention to Innovation Summit” Organized by University of Punjab on 08-09th March 2017.

Participated and made *Oral Presentation* on “Biodiesel Potential of Microalgae *Ulothrix zonata*” in Research Colloquium, a four days’ event, Organized by Directorate of Faculty development and Internationalization of Lahore College for Women University, Lahore (16th - 19th January 2017).

Participated and made *Oral Presentation* on “Screening and Processing of microalga strains for prospective biodiesel Fabrication”, in “1st International Conference on Advancements in Biotechnology” a two days’ event, Organized and Hosted by GC Women University and Akhuwat FIRST, Faisalabad (30th - 31th March, 2016).

Attended “Algae Biomass Summit” Algal largest conference of the world, Organized by “ABO (Algae Biomass Organization) Washington, D.C., USA. (29th – 2nd October, 2015).

Participated and made *Oral Presentation* on “Algae Biofuel Challenges and Potentials in Pakistan” in 1st International Conference on Bioenergy, a two days’ event, Organized and Hosted by University of South Asia, Lahore (20th - 21th November, 2014).

Participated and made *Oral Presentation* “Optimization of Conditions for *Chlorella vulgaris* transformation” in the “34th Pakistan Congress of Zoology (International)” Organized by Bahauddin Zakariya University, Multan (25th - 27th February, 2014).

Participated in Two Days Phycological Workshop on “Algal Collection & Culturing Techniques” Organized by Department of Botany, GCU Lahore, Pakistan in Collaboration with HEC & Pakistan Science Foundation (19th – 20th February, 2014).

Participated in Workshop on “Molecular Diagnostics for Robust Disease Detection “Conducted by Lahore College for Women University & Ministry of Education, Training & Standards in Higher Education Government of Pakistan (7th – 24th October, 2013).

Participated in Training Workshop on “IPR, Patents and Patenting” conducted by Barisstor Ahmad Farooq Malik in Lahore College for Women University, Office of Research, Innovation & Commercialization - ORIC (22nd February, 2013).

Participated in International Work Shop on “Principles of Plant Breeding and Advancement of Molecular Techniques to Breeding of Bioscience”. Organized by the Department of Biotechnology and Microbiology, Lahore College for Women University, Lahore (21st May – 7th June, 2012).

Intellectual growth should commence at birth & cease only at death.

Albert Einstein