

Curriculum Vitae

SYEDA AMNA BATOOL

01-04-2026



**Lecturer
Department of Botany,
University of Narowal, Pakistan.**

PERSONAL INFORMATION

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SERVICE RECORD

October 31, 2016 to date: Lecturer, Department of Botany, University of Narowal.

May 2016 to October 2016: Lecturer Botany Punjab Group of Colleges, Chichawatni.

August 2014 to August 2015: Lecturer Biology, Divisional Public School and Inter College Sahiwal (Chichawatni Campus)

ADDITIONAL CHARGES

Advisor UON Botanist Club: 01-04-2026 till date.

Member Inquiry Committee (Anti- Harassment Committee) (University of Narowal): 22-08-2023 To till date

Member Discipline Committee (University of Narowal): 30-08-2023 To till date

Member University Admission Quota Committee (University of Narowal): 29-08-2024 To till date

Deputy Director Horticulture and Landscaping (University of Narowal): 17-10-2019 To 20-05-2020

Incharge Grounds and Gardens (University of Narowal): 28-06-2018 To 17-10-2019

Coordinator, Department of Botany (University of Narowal): Academic and administrative responsibilities of the Department of Botany from 01-03-2019 to 30-06-2019

Coordinator, Department of Botany (University of Narowal): Academic and administrative responsibilities of the Department of Botany from 19-12-2019 to 25-01-2021

Member University Degree Printing Committee (University of Narowal): 24-02-2021 To 24-02-2022

Member Departmental Quality Review Committee (University of Narowal): 28-04-2020 To 28-04-2021

Member Interdepartmental Board of Studies (Zoology and Chemistry) (University of Narowal): 21-04-2020 To 21-04-2021

Convener Go Green Pakistan (University of Narowal): 02-03-2020 To 28-11-2023

Member Committee Self Assessment Report, Department of Botany (University of Narowal): 20-03-2017 To 20-03-2018

Controller Examination Punjab Group of Colleges (Chichawatni): 27-10-2016 To 18-10-2016

M.PHIL STUDENTS IN PROGRESS

1. **Maleeha Butt:** Taxonomical study of freshwater algae from some villages of Narowal

M. PHIL STUDENT SUPERVISED (09)

1. **Afzoon Arbab 2022-2024:** Monoculture of some freshwater algae from Zafarwal on Chu # 10 medium. *Department of Botany, University of Narowal, Pakistan.*
2. **Alia Sanim 2022-2024:** Taxonomical study of algal flora of village Heerajhun Tehsil Shakargarh, Pakistan. *Department of Botany, University of Narowal, Pakistan.*
3. **Areej Sajjad 2022-2024:** Monoculture of some freshwater algae from faiz ahmad faiz park on bold's basal medium. *Department of Botany, University of Narowal, Pakistan.*
4. **Raheel Ahmad 2022-2024:** Taxonomical study of algal flora of village Sankhatara Tehsil Zafarwal, Pakistan. *Department of Botany, University of Narowal, Pakistan.*
5. **Tarum Nayyab 2022-2024:** Monoculture of some freshwater algae from Narang Mandi on BG-11 medium. *Department of Botany, University of Narowal, Pakistan.*
6. **Filza Imtiaz 2023-2025:** Evaluating the role of potassium nanoparticles on the growth and physiological attributes of *Lycopersicon esculentum* (L.) exposed to cadmium stress
7. **Tarifa Mushtaq 2023-2025:** Deciphering the role of zinc oxide nanoparticles in mitigation of cadmium stress in *Spinacia oleracea* (L.) seedlings.
8. **Rimsha Iqbal 2023-2025:** Foliar application of zinc oxide nanoparticles on growth and antioxidant potential of *Cucumis sativus* (L.) grown in alkaline soil.
9. **Saman Shahzadi 2023-2025:** Effect of copper nanoparticles on the growth and physiology of *Coriandrum sativum* (L.) exposed to chromium stress

TRAININGS/CONFERENCE/ SEMINAR ATTENDED

1. **December 2024 to January 2025:** One month "National Outreach Program for Higher Education Faculty" by NAHE, HEC, Pakistan.
2. **November 2022:** One week (21-25th November 2022) International Phycological Training Workshop "Algal Ecology and Biotechnology" organized by Institute of Botany, University of the Punjab.
3. **May 2022:** Two days (18-19th May 2022) workshop on "Algal Collection Techniques and Their Economic Uses" organized by Institute of Botany, University of the Punjab.
4. **March 2018:** 4th International Conference "Role of Botanic Gardens in Climate Change Adaptation and Mitigation" organized by Pakistan Botanic Garden Network Secretariat, Botanic Garden, Government College University, Lahore, Pakistan.
5. **April 2020:** Training on "An editor's guide to write a review article" by Research Academy, Elsevier
6. **April 2020:** Training on "How to prepare your manuscript?" by Research Academy, Elsevier
7. **April 2020:** Training on "Using proper manuscript language" by Research Academy, Elsevier
8. **April 2020:** Training on "Guide to reference managers: How to effectively manage your references" by Research Academy, Elsevier
9. **April 2020:** Training on "Structuring your article correctly" by Research Academy, Elsevier
10. **April 2020:** Training on "How to turn your thesis into an article" by Research Academy, Elsevier
11. **April 2020:** Training on "10 tips of writing a truly terrible journal article" by Research Academy, Elsevier
12. **May 2017:** Quality Enhancement Cell Training at University of Gujrat, Sub-Campus, Narowal.
13. **March 2014:** One-day training on Conservation Agriculture Technology at CIMMYT office, Pakistan at Regional Agricultural Research Institute Bahawalpur.

14. **November 2007:** Training of civil defense by Civil Defense Department, Government of Punjab, Pakistan.

CONFERENCE, SEMINARS AND WORKSHOPS ORGANIZED

1. **October 2017:** “Wheat: Golden Basket” at University of Gujrat, Sub-Campus Narowal with collaboration of Botanical Society.

RESEARCH PUBLICATIONS

2021

- 1 Khalid, Z., Yasin, G., Altaf, A., **Batool, S. A.**, Kanwal, A., & Sohail, S. (2021). Phytopharmacological assessment of some medicinal plants of Thal desert of Pakistan. *J. Pharm. Res. Int*, 33(31A), 217-226.
- 2 Khalid, Z., Yasin, G., Altaf, A., **Batool, S. A.**, Kanwal, A., & Sohail, S. (2021). Phytopharmacological assessment of some medicinal plants of Thal desert of Pakistan. *J. Pharm. Res. Int*, 33(31A), 217-226.
- 3 Yasin, G., Altaf, A., **Batool, S. A.**, Noman, A., & Hussain, K. (2021). Efficacy of exogenous spermidine and kinetin in altering the macronutrients accumulation in mash (*Vigna mungo* (L.) Hepper) genotypes under lead (Pb) stress. *Sindh Univ. Res. Jour.* 53(02): 143-154.

2025

- 4 Bashir, T., Alamgir, ., **Batool, S. A.**, Hussain, T., Washdev, ., & Rafique, I. (2025). Exploring thermostable lipases: molecular innovations and expanding industrial horizons: exploring thermostable lipases: molecular innovations. *Futuristic Biotechnology*, 5(2): 28-35. <https://doi.org/10.54393/fbt.v5i2.183>.
- 5 Asad, H., **Batool, S. A.**, Shahzadi, R., Farooq, S., Bukhari, S. M. A., & Akhter, S. U. (2025). Remote Sensing Insights into Neotectonics and Climate-Driven Hazards in the Hindu Kush-Himalayan Region. *Frontiers in Computational Spatial Intelligence*, 3(4): 241-254.
- 6 Ullah, S. S., Iqbal, R., Ghafoor, A., **Batool, S. A.**, Bashir, T., & Mehmood, A. (2025). Next-generation CRISPR biotechnology for Pakistan: AI-driven, climate- resilient super crops and the future of food security: next-generation CRISPR biotechnology for Pakistan: AI-driven super crops. *Futuristic Biotechnology*, 5(3): 33-40. <https://doi.org/10.54393/fbt.v5i3.189>.
- 7 **Batool, S.A.** and G.Y. Butt. 2025. Biomass analysis of commercially important *Euglena gracilis* cultivated on BBM, BG-11, and Chu #10 growth media. *J. Anim. Plant Sci.*, 35(6): 1734-1741.

