



## Nayab Naeem

MSc Botany

[nayab.naeem@griffithuni.edu.au](mailto:nayab.naeem@griffithuni.edu.au)

[orcid.org/0009-0006-9938-9379](https://orcid.org/0009-0006-9938-9379)

<https://www.researchgate.net/profile/Nayab-Naeem-2>

[https://scholar.google.com/citations?view\\_op=list\\_works&hl=id&user=3XzriYMAAAAJ](https://scholar.google.com/citations?view_op=list_works&hl=id&user=3XzriYMAAAAJ)

### Summary

Ms Nayab Naeem is pursuing a PhD under the supervision of Professor Chengrong Chen (Principal Supervisor) and Dr Xiangyu Liu (Associate Supervisor) in the School of Environment and Science at Griffith University. She has completed her Masters in Botany, focusing on phytoremediation, specifically exploring the relationship between environmental pollution and its impact on plants and soil. As a proactive visiting lecturer and researcher, she has gained over three years of teaching experience in different educational institutions and contributed to multiple research publications.

Currently, her PhD research is centered around microplastics in soil and cropping systems, investigating their sources, such as plastic debris breakdown and the use of plastic-based products. Another angle could be investigating the potential impact of microplastics on soil physiochemical and biological properties. Additionally, the transport and fate of microplastics in soil, looking at how they move through different soil layers and their potential to reach the cropping systems. The findings from her research will provide valuable insights for developing strategies to mitigate microplastic pollution and promote sustainable agricultural practices in Australia.

### Research Expertise

- Phytoremediation
- Soil contamination assessment
- Environmental biology
- Ecotoxicology