

# Curriculum vitae

**Dr. AMINA KANWL**  
Assistant Professor  
Botany Department,  
GCWU, Sialkot

Topic of PhD Thesis: Heavy Metal Phytoextraction Potential Of Indigenous Tree Species Of Family Fabaceae

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Profile

- Working as Assistant Professor (BS-19) at Department of Botany, GCWU, Sialkot, since 15<sup>th</sup> March, 2019.
- Worked as Assistant Professor (IPFP) at University of Veterinary & Animal Sciences, Lahore, from 3<sup>rd</sup> December 2019 to 14<sup>th</sup> March, 2019.
- Worked as visiting faculty at University of Education, Bank Road Campus, from October, 2017 to July, 2018.
- Worked as “PhD scholar” at GC University, Lahore

Teaching interests

- Ecotoxicology,
- Phytoremediation,
- Bioremediation,
- Plant physiology
- Applied Ethnobotany

Qualification	PhD	Botany	GC University, Lahore
	M.phil	Botany	GC University, Lahore
	M.Sc	Botany	FC College (A Chartered University)
	B.Sc	Botany, Zoology, Chemistry	University of the Punjab

Research publications

- Farhan, M., Ahmad, M., **Kanwal, A.**, Butt, Z. A., Khan, Q. F., Raza, S. A., ... & Wahid, A. (2021). Biodegradation of chlorpyrifos using isolates from contaminated agricultural soil, its kinetic studies. *Scientific reports*, 11(1), 1-14.
- **Kanwal, A.**, Farhan, M., Sharif, F., Hayyat, M. U., Shahzad, L., & Ghafoor, G. Z. (2020). Effect of industrial wastewater on wheat germination, growth, yield, nutrients and bioaccumulation of lead. *Scientific reports*, 10(1), 1-9.
- Maqsood Ahmad, Zahid Ali Butt, Muhammad Farhan, Ali Raza, **Amina Kanwal**, Abdul Wahid. 2020. Assessment of Ground water and surface water quality with respect to antibiotics and antibiotics resistant bacteria in Rawalpindi, Punjab, Pakistan. *Applied Ecology and Environmental Research*. **Accepted**
- Zafar Iqbal, Ahmad, M., Farhan, M., Butt, Z.A., **Amina Kanwal**. 2020. Phytoremediation potential of native plant species for gaseous pollution from brick kiln. *Journal of Biodiversity and environmental Sciences*. 16(2): 9-16
- **Amina Kanwal**, Safdar Ali Mirza, Muhammad Farhan. 2019. Phytoremediation of industrial wastewater through indigenous tree

species. *International Journal of Phytoremediation*. Available online. In-press.

- **Amina Kanwal** and Safdar Ali Mirza. **2017**. Germination response of five tree species on hospital wastewater. *International Journal of Biosciences*. 10(1); 81-90.
- Muhammad Farhan, Amin U Khan, Abdul Wahid, Maqsood Ahmad, Farooq Ahmad, Zahid Ali Butt and **Amina Kanwal**. **2017**. Restoration of pesticide contaminated agricultural soil through bio-augmentation and its kinetics. *Pakistan Journal of agriculture sciences*. 54(3): 547-551.
- **Amina Kanwal**, Safdar Ali Mirza And Muhammad Farhan. **2017**. Natural plant based solution for industrial wastewater. *Journal of Biodiversity and environmental science*, 10(6): 83-91.
- **Amina Kanwal**, Safdar Ali Mirza And Muhammad Farhan. **2015**. Exploring Germination Potential of tree species in domestic wastewater for use in urban Forestry. *Pakistan Journal of Botany*, 47(SI): 275-280
- Muhammad Farhan, Zahid Ali Butt, Amin U Khan, Abdul Wahid, Maqsood Ahmad, Farooq Ahmad, and **Amina Kanwal**. **2014**. Enhanced Biodegradation of Chlorpyrifos by Agricultural Soil Isolate. *Asian Journal of Chemistry*; Vol. 26, No. 10 (2014), 3013-3017
- Muhammad Farhan, Amin U Khan, Abdul Wahid, Maqsood Ahmad, Farooq Ahmad, Zahid Ali Butt and **Amina Kanwal**. **2013**. Chlorpyrifos Biodegradation in Laboratory Soil Through Bio-Augmentation and Its Kinetics. *Asian Journal of Chemistry*; Vol. 25, No. 17 (2013), 9994-9998
- **Amina Kanwal**, Amir Ali And Kunwar Shoaib. **2006**. *Invitro* Microtuberization of Potato(*Solanum tuberosum* L.) Cultivar Kuroda- A New Variety in Pakistan. *International Journal of Agriculture & Biology*. 8(3): 337-340

### Awards/Honors/Distinctions

1. Incharge BS Semester 4- section A (2019-2023)
2. Ex-member of Plantation Committee (2019-2020)
3. Member Departmental Examination Committee (2019-onward)
4. Member Departmental Admission Committee (2020-2024)
5. Focal Person of HEC Ehsaas Scholarship (2021-onward)

### Details about Conferences/Symposiums/Workshops/Hands-on Trainings/Webinars

1. 2<sup>nd</sup> International Conference on **Emerging Trends in Earth and Environmental Sciences** – March 4-6-2020.
2. An International Conference of **Smart Plantation, An Ultimate Solution to Climate Change ICSP 2020** - March 2-4-2020.
3. Online training programme (OTP) entitled "**Agri-Tech Solutions and Approaches to Sustainable Rural Development**", scheduled to be held by IIT-Delhi during **21-25 June 2021**