

Dr. Akash Jamil s/o Stephen Jamil

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Education:

- **PhD Forestry (2018-2023) (CGPA 3.79.)**
Bahauddin Zakariya University Multan (Faculty of Agricultural Sciences and Technology)
- **M.Sc. (Hons) Forestry (2016-2018) CGPA 3.99 (Gold Medalist)**
Bahauddin Zakariya University Multan (Faculty of Agricultural Sciences and Technology)
- **B.Sc. (Hons.) Agriculture–Forestry, Range land and Wildlife Management (2012-16) CGPA 3.90**
Bahauddin Zakariya University Multan (Faculty of Agricultural Sciences and Technology)
- **F.sc. - Pre Medical (2011) (80%)**
- **Matriculation (2009) - Science (91.4%)**

Professional Experience:

1. Serving as a Lecturer in Cholistan University of Veterinary and Animal Sciences Bahawalpur from 14-04-2024 till Present
2. Served as a Scientific Officer in Natural Resources Division Pakistan Agricultural Research Council from 12-03-23-01-04-2024
3. Served as Visiting faculty in the Department of Forestry and Rangeland Management BZU from 16-01-2019 to 09-12-2022
4. Served as research Coordinator in EQUIP (Registered NGO) from July 2021 to July 2022.
5. Worked as a Research Associate from August, 2018- July, 2021 in an HEC Project “Extraction and Potential of NWFPs in Earth quake devastated areas: A rare opportunity for improving livelihoods of the poor”

Research work /Conferences /Trainings:

1. **Determining the drivers of deforestation and its linkage with the climate change.** Using the data from 4 districts of south Punjab, involving communities near the riverine forests we determine which factors are leading towards deforestation. (2015)
2. **Climate change Perceptions in Urban and Suburban communities of South Punjab.**
Survey in 5 districts was conducted aiming to check out the factors on which the perceptions of people were dependent regarding climate change and its impacts.(2016)
3. **Investigating the correlation and predictive roles of a wide range of climate change related concepts.**
We studied that is Subjective wellbeing the scientific name given to what lay people refer to as happiness. We established that climate change, social change, environmental change, general sustainability and other constructs affect happiness or not? We also researched that either levels of income, religion and other variables also affect happiness or not? (2016-2017)
4. **Extraction and Potential of NWFPs in Earth quake devastated areas: A rare opportunity for improving livelihoods of the poor.**
An HEC project in which 4 districts of AJK were selected involving Vegetation inventory and role of NWFPs in subsistence and supporting of livelihood of the people involved in collection. (2018- 2020)
5. **Developed Nursery of Local/Indigenous Cholistan grasses for germplasm conservation and Identification purpose (2023-Continued)**
The Nursery is under 5 kanals having 20 Indigenous grass species, 10 Multipurpose trees species and 5 Medicinal shrub species
6. **Consultation on Rangeland & Animal Inventory in Sheikh Muhammad bin Zayed Al- Nehran Conservation and Breeding centre Lal Sohanra (2024)**

7. Participated in **Leadership training** by Peace and Development Foundation at National council Churches- Ecumenical Centre, Lahore. 26th- 28th Mach 2014
8. Seminar on **“Rangelands in Pakistan: Status, Potential, Opportunities & Tools/Measures for its Improvement”** at BahauddinZakariya University Multan. 28-29 April, 2015.
9. Training on **Grant Proposal Writing** by The Doer Trust at Boland Hall- Caritas Multan28-30May, 2015.
10. Participation in International conference on **Climate Change and Biodiversity(IC³B-2017)** at The Islamia University of Bahawalpur, Pakistan 2-4 May, 2017
11. Participation in National Symposium on **Moringaoleifera: Recent Trends and Challenges in Processing and Product Developments** at University of Sargodha, Pakistan on 9-10 April 2018.
12. Participation in National Training Course on **Watershed Management and Soil Conservation** at Pakistan Forest Institute, Peshawar, Pakistan on 9 -12 April, 2018
13. Participation in training on Climate and Hydrological Modelling for Climate change impact assessment at KIU Gilgit on July 22 till August 30, 2019
14. Presented paper entitled as ‘Role of nonwood forest products in food and livelihood security: An empirical evidence from the earthquake effected forest communities of Balakot, KPK, Pakistan in 4th International conference Food and Nutritional security in changing climate in BZU Multan on Jan 2019
15. Presented paper entitled as Importance of NWFPs among Mountainious Children in counteracting poverty and food security in Earthquake effected forest communities of Azad Kashmir Pakistan in 1st International Conference on Sustainable Agriculture: Food Security Under Changing Climate Scenarios. 2019, April 3-5, Ghazi University
16. Attended Rangeland Monitoring & Assessment Training Workshop in Islamabad on March 2021
17. Attended Three day workshop on Scientific writing and Statistical analysi for NASCENT Researchers in BZU Multan on FEB-2022
18. Participated in Review of Progress on Pakistan food system transformation pathway for UN food system Summit +2 in Islamabad on June 2023
19. Attended Seminar on productivity Enhancement of Marginal lands of Cholistan Through Drought Mitigaion and Innovative Agricultural Interventions in AZRI PARC Bahawalpur on july 2024

Publications

- Jamil. A.**, Zubair. M, Yongheng. G, Hassan F.U, Younas. U, Haseeb. A, Qadir. N, Islam. M (2026) Native Shrub Morphology and Identity as Drivers of Microhabitat Heterogeneity and Plant Recruitment in Degraded Arid Rangelands. Applied vegetation science (Accepted)
- Majeed.M., **Jamil. A.**, Yongheng. G., Yasin.G., Younas.U., Pismennaya.E., Myachina.K., Qadir.N (2026) Beyond Richness: Influence of Functional Diversity on Above ground accumulation in subtropical sub montane forests. Journal of Mountain Science 23(2)
- Hussain,D.,Yasin,G., **Jamil, A.**, Hussain, G., Azhar, M.F., Alarfaj, A.A., Shrahil, Mansour, Ansari, M.J., Rehman, S.U. (2025) Community Urban Parks as Carbon Sinks: Evaluating the role of Urban parks in Carbon Sequestration and Environmental Sustainability under Arid Conditions GLOBAL NEST JOURNAL, 36(2)..
- Yasin, G., **Jamil, A.**, Zubair, M., Imtiaz, M. T., Shrahili, M., Alharbi, S. A., & Rahman, S. U. (2025). Public awareness, behavior and preventive practices of the rural people in the adaptation to smog episodes. GLOBAL NEST JOURNAL, 27(3).
- Azhar, M.F., **Jamil, A.**, Ali, E., & Aziz, A. (2023). GHG Management Implications for Developed and Developing Nations. In Climate Change Impacts on Agriculture: Concepts, Issues and Policies for Developing Countries (pp. 135-157). Cham: Springer International Publishing.
- Jamil, A.**, Zubair, M., & Endress, B. A. (2023). Influence of Pastoral Settlements Gradient on Vegetation Dynamics and Nutritional Characteristics in Arid Rangelands. Sustainability, 15(6), 4849.
- Jamil, A.**, Zubair, M., Manzoor, S. A., Wali Muhammad, M., Yasin, G., Ur Rahman, S., ... & Abd_Allah, E. F. (2022).

Impact of Human Settlements on Diversity of Range Vegetation. *Sustainability*, 14(1), 519.

Jamil, A., Zubair, M., & Manzoor, S. A. (2022). A Herder's eye view: Traditional ecological knowledge based indicators for monitoring rangeland conditions in Thal, Pakistan. *Environmental Development*, 42, 100699.

Zubair, M., Yasin, G., Qazlbash, S. K., Ul Haq, A., **Jamil, A.**, Yaseen, M., ... & Guo, W. (2022). Carbon Sequestration by Native Tree Species around the Industrial Areas of Southern Punjab, Pakistan. *Land*, 11(9), 1577.

Azhar, M. F., Qadir, I., Shehzad, M. M., & **Jamil, A.** (2022). Changing Climate Impacts on Forest Resources. Building Climate Resilience in Agriculture: Theory, Practice and Future Perspective, 111-130.

Zubair, M., **Jamil, A.**, Hussain, S. B., Ul Haq, A., Hussain, A., Zahid, D. M., ... & Abd_Allah, E. F. (2021). Diversity of Medicinal Plants among Different Tree Canopies. *Sustainability*, 13(5), 2640.

Zubair, M., Mohsin Ijaz, R., Bilal Hussain, S., **Jamil, A.**, & Khan, I. (2021). Understanding NWFPs Utilization, Marketing and Transportation in AJK, Pakistan.

Zubair, M., Imran, M. S., Hussain, S. B., & **Jamil, A.** (2020). Perceptions of the Impact of Biogas: A Case Study from Pakistan's Southern District Muzaffargarh. *Journal of Energy Research and Reviews*, 17-24.

Zubair, M., **Jamil, A.**, Lukac, M., & Manzoor, S. A. (2019). Non-Timber Forest Products Collection Affects Education of Children in Forest Proximate Communities in Northeastern Pakistan. *Forests*, 10(9), 813.

Muhammad, Z., **Akash, J.**, Din, M. Z., Syed, B. H., & Kashif, A. (2019). Vegetation resource inventory of NWFPs in the state of Azad Jammu and Kashmir. *Fresenius Environmental Bulletin*, 28(11A), 8591-8600.

Zubair, M., Khan, S., Hussain, S. B., Haq, A. U., & **Jamil, A.** (2019). Ethnobotanical Study Of Pakistan's Southern Punjab Tehsil Of Duniyapur. *International Journal of Multidisciplinary Research and Studies*, 2(09), 40-52.

Manzoor, S. A., **Jamil, A.**, Ansari, A. N., Siddique, S., Javed, J., Khan, Z., & Ijaz, M. (2016). How do we perceive climate change? Digging deep in to the public climate change awareness and beliefs in the urban community of Southern Punjab, Pakistan. *Russian Journal of Agricultural and Socio-Economic Sciences*, 53(5).

Scientific Skills:

Review paper writing

Scientific paper writing

Designing Questionnaires

Conducting Rangeland

Inventories

Digital Vegetation

Charting

Conducting surveys

Conducting workshops

Conducting Focal

group discussions

Grant Proposal Writing

Research Planning/ Designing

Report Writing

Handling Statistical Software's

(Statistix 8.1, Mendley, SPSS,

Statistica & JASP)

ARC GIS, Veg Measure