

# Curriculum Vitae



**BILAL AHMAD**  
S/O  
**FAZAL SATTAR**

**D.O.B:** 25-Nov-1989  
**Religion** Islam  
**Nationality** Pakistani

✉ **Postal and Permanent Address:**

Mohallah Muslimabad,  
Village & Post Office Thana,  
Distt: Malakand, KPK,  
Pakistan

**Institutional Address:**

**Dr. Bilal Ahmad**  
**Assistant Professor**  
Institute of Agriculture  
Sciences and Forestry,  
University of Swat, Pakistan

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**LANGUAGES**

	READ	WRITE	SPEAK
ENGLISH	✓	✓	✓
URDU	✓	✓	✓
PASHTO	✓	✓	✓
CHINESE			✓

**PERSONAL STATEMENT**

To gain a position that utilizes my skills and enhances my qualification in order to cope with the upcoming century's challenges in my particular area of interest.

**DISTINCTION: Higher Education Commission (HEC) Islamabad Approved Supervisor**

**ACADEMIC QUALIFICATION**

**Ph.D. in Forestry (Agriculture Sciences)**

Forestry/Soil and Water Conservation and Desertification Combating,  
Beijing Forestry University 2014-2018 (1<sup>st</sup> Division)  
(Research Specialty: **Forest Ecosystems Management/Forestry**)

**M.Phil. Forestry & Range Management**

PMAS-Arid Agriculture University Rawalpindi, Pakistan  
2012-2014, (1<sup>st</sup> Division)

**BS (4 years) Forestry**

Shaheed Benazir Bhutto University Sheringal Dir Upper, KPK, Pakistan  
2007-2011, (1<sup>st</sup> Division)

**Intermediate HSSC (F.Sc Pre-Medical)**

Govt. Degree College Thana, BISE Malakand, KPK, Pakistan.  
2005-2007, (1<sup>st</sup> Division)

**Matriculation SSC (Science)**

Govt. Higher Secondary School Palai, BISE Malakand, NWFP, Pakistan  
2003-2005, (1<sup>st</sup> Division)

**MAJOR SUBJECT:**

★ **Forestry**

**WORK EXPERIENCE**

- During Ph.D. study at Beijing Forestry University, China, Three years contract agreement (jointly) with Chinese Academy of Forestry, Beijing, China for Ph.D. Research Project from September 2015 to August 2018.
- Currently working as **Assistant Professor in Institute of Agriculture Sciences and Forestry**, University of Swat, Swat, Pakistan, from 18<sup>th</sup> January 2019.

**Academic Thesis**

- ☞ **PhD Thesis** "Stand Structure Optimization through Tradeoffs between Overstory and Understory Layers of Larch Plantations in Liupan Mountains, Ningxia, Northwestern China".
- ☞ **M.Phil./Master Thesis** "Estimation of Growing Stock of Chir Pine Forest in Malakand Top Hill".
- ☞ **BS (4-years) Forestry Thesis** "Habitat study of Chukar in District Malakand (Case study of Town Thana)".

## Conferences / Workshops

- ☞ Training Workshop on **Carbon Stock Assessment and REDD+**, December 9<sup>th</sup>-20<sup>th</sup>, 2013, Carbon Stock Assessment of Forest, KP Project, Pakistan Forest Institute Peshawar.
- ☞ International Workshop on **Risk and Uncertainty in Forest Ecosystem Dynamics**, October 13<sup>th</sup>-17<sup>th</sup>, 2014.
- ☞ The 5<sup>th</sup> Asia Pacific Forestry Education Conference Beijing Forestry University, March 28<sup>th</sup> 2018.
- ☞ Training Course on “Biomass and Carbon Estimation through Geographical Information System (GIS) and Remote Sensing (RS)” 17<sup>th</sup> -21<sup>th</sup> June 2019. Under The Project “Carbon Stock Assessment of Forest of Khyber Pakhtunkhwa (CSAFKP) Pakistan Forest Institute Peshawar”.
- ☞ Fourth International Conference of Biosciences (ICBS-2021). Organized by Biological Society of Pakistan (BSP) in collaboration with Department of Plant Sciences, Quaid-i-Azam University Islamabad on 15<sup>th</sup> June 2021.
- ☞ One day Seminar on Community Awareness on Conservation of Forest Resources, 6<sup>th</sup> Aug. 2021. Organized by Institute of Agriculture Sciences and Forestry, University of Swat.
- ☞ Two days Workshop on “Advanced Techniques in Forests” Organized by Department of Forestry and Range Management at PMAS-Arid Agriculture University Rawalpindi on Nov 30- Dec 1<sup>st</sup> 2021.
- ☞ 1<sup>st</sup> International Conference on Climate Change and Environment, held on Feb. 2-3, 2022 at Quaid-i-Azam University, Islamabad.
- ☞ 1-Day International Seminar on “Importance of Biodiversity Conservation in Rapidly Changing World” on 12<sup>th</sup> May 2022. Organized by University of Agriculture, Faisalabad Pakistan, Sub-Campus Burewala.
- ☞ 5<sup>th</sup> International Conference “Advances in Biosciences: Bridging the Gap Between Research and Sustainable Development Goal, May 24- 26. 2022. Organized by Center for Plant Sciences & Biodiversity, University of Swat with Biological Society of Pakistan, Pakistan Science Foundation, Higher Education of Pakistan.

## INTERNATIONAL PROCEEDINGS/CONFERENCE PAPER

1. Naveed Alam, Ahmad Ali, Bilal Ahmad, Kashmala Syed. 1st International Conference on Climate Change and Environment, held on **Feb. 2-3, 2022** at Quaid-i-Azam University, Islamabad.
2. Kashmala Syed, Naveed Alam, Bilal Ahmad, Sher Shah. Environmental Risk Assessment of Genetically Modified Canola and its Impact on *Rumex dentatus* L. (Toothed dock). 4<sup>th</sup> International Symposium on Advances in Molecular Biology of Plants and Health Sciences. **December 23-24, 2021**.
3. Asfandyar Shahab, Bilal Ahmad, Audil Rashid, Eve Bohnett, Naveed Alam. 5th International Conference “Advances in Biosciences: Bridging the Gap Between Research and Sustainable Development Goal, **May 24- 26. 2022**. Organized by Center for Plant Sciences & Biodiversity, University of Swat with Biological Society of Pakistan, Pakistan Science Foundation, Higher Education of Pakistan.
4. Naveed Alam, Hassan Sher, Zahidullah, Ahmad Ali, Bilal Ahmad, Kashmala Syed. 5th International Conference “Advances in Biosciences: Bridging the Gap Between Research and Sustainable Development Goal, **May 24- 26. 2022**. Organized by Center for Plant Sciences & Biodiversity, University of Swat with Biological Society of Pakistan, Pakistan Science Foundation, Higher Education of Pakistan

## PUBLICATIONS

1. **Ahmad, B.** Ali, A. Rabbi, F. Alam, N. Siraj, M. Mehmood, K. Mamoona W.M. and Ullah, S. (2022). Estimation of Wood Volume, Carbon Stock And Rotation Age In Subtropical Pine Forests of Malakand, Khyber Pakhtunkhwa. Pakistan Journal of Botany. 54(5). [http://dx.doi.org/10.30848/PJB2022-5\(33\)](http://dx.doi.org/10.30848/PJB2022-5(33)). IF = 0.972.
2. Rahman, M., Wang, Y., Zhang, K., **Ahmad, B.**, Ali, A., Ahamd, A., Muhammad, D., Afzaal, M., Zhang, Z., and Bohnett, E. 2022. Variations in Soil C, N, P Stocks and Stoichiometry With Soil Depth and Forest Types in Qilian Mountains of Northwest China. Frontiers in Environmental Science. 10:882842. DOI: 10.3389/fenvs.2022.882842
3. Bohnett, E., Goossens, B., Bakar, M.S.A., Abidin, T.R., Lim, H.Y., Hulse, D., **Ahmad, B.**, Hoctor, T. and Gardner, P., 2022. Examining diversity of terrestrial mammal communities across forest reserves in Sabah, Borneo. Biodiversity and Conservation, pp.1-26. <https://doi.org/10.1007/s10531-022-02423-8>
4. Ali, A., Hussain, M., Ali, S., Akhtar, K., Muhammad, M.W., Zamir, A., Ali, A., Nizami, S.M., **Ahmad, B.**, Harrison, M.T. and Fahad, S., 2022. Ecological Stoichiometry in Pinus massoniana L. Plantation: Increasing Nutrient Limitation in a 48-Year Chronosequence. Forests, 13(3), p.469. <https://doi.org/10.3390/f13030469>
5. Rahman, M., Zhang, K., Wang, Y., **Ahmad, B.**, Ahmad, A., Zhang, Z., Khan, D., Muhammad, D. and Ali, A., (2022). Variations in soil physico-chemical properties, soil stocks, and soil stoichiometry under different soil layers, the major forest region Liupan Mountains of Northwest China. Brazilian Journal of Biology, 84. <https://doi.org/10.1590/1519-6984.256565>. IF = 1.651.
6. Bohnett, E., Coulibaly, A., Hulse, D., Hoctor, T., **Ahmad, B.**, An, L., & Lewison, R. (2022). Corporate responsibility and biodiversity conservation: challenges and opportunities for companies participating in China's Belt and Road Initiative. Environmental Conservation, 1-11. DOI: 10.1017/S0376892921000436. IF = 3.012.
7. Rashid, W.; Shi, J.; Rahim, I.u.; Qasim, M.; Baloch, M.N.; Bohnett, E.; Yang, F.; Khan, I.; **Ahmad, B.** (2021). Modelling Potential Distribution of Snow Leopards in Pamir, Northern Pakistan: Implications for Human–Snow Leopard Conflicts. Sustainability 2021, 13, 13229. <https://doi.org/10.3390/su132313229>. IF = 3.251.
8. Deng, L., Shahab, A., Xiao, H., Li, J., Rad, S., Jiang, J., Yu, G., Jiang, P., Huang, H., Li, X. & **Ahmad, B.** & Siddique, J. (2021). Spatial and temporal variation of dissolved heavy metals in the Lijiang River China: Implication of rainstorm on drinking water quality. Environmental Science and Pollution Research. <https://doi.org/10.1007/s11356-021-15383-3>. IF = 4.223.
9. **Ahmad, B.**, Wang, Y.H., Hao, J., Liu, Y.H., Bohnett, E. & Zhang, K.B. (2021). Variation of Carbon Density Components with Overstory Structure of Larch Plantations in Northwest China and its Implication for Optimal Forest Management. Forest Ecology and Management, <https://doi.org/10.1016/j.foreco.2021.119399>. IF = 3.558

10. Shu-Qin, L., Zhen, B., Chao-Zong, X., **Ahmad, B.**, Ming, Z., Jian, C., Tian-Yu, A. and Ke-Bin, Z., (2021). Forest biomass carbon pool dynamics in Tibet Autonomous Region of China: Inventory data 1999-2019. *Plos one*, 16(5), p.e0250073. 496 (2021) 119399. <https://doi.org/10.1371/journal.pone.0250073>. **IF= 3.240**
11. Bohnett, E., Fandjinou, K., **Ahmad, B.**, Mammo, S., Hulse, D., Hocht, T. (2021). Determining Community-level Carnivore Response to Landscape Factors in Bukit Barisan Selatan National Park, Sumatra, Indonesia. *Journal of Wildlife and Biodiversity*. 5(3), 68-88. **DOI:** [10.22120/jwb.2021.139653.1198](https://doi.org/10.22120/jwb.2021.139653.1198)
12. Bohnett, E, Hocht, T, Hulse, D, **Ahmad, B.**, Niebuhr, B, Morato, R. (2020). Multi-Level, Multi-Scale Modeling and Predictive Mapping for Jaguars in the Brazilian Pantanal. *Ecological Modelling*. 10, 243-263. **DOI:** [10.21203/rs.2.23193/v1](https://doi.org/10.21203/rs.2.23193/v1). **IF = 2.974**
13. Iqbal, S., Zha, T. S., Hayat, M., Khan, A., Ashraf, M., **Ahmad, B.**, Saba, N. U. and Jan, S. A. (2020). Spatiotemporal Variation and Climate Change Impact on Radial Growth of Chir Pine (*Pinus Roxburghii*) In A Subtropical Pine Forest In Pakistan. *Applied Ecology and Environmental Research*, 18(4) (1993), 4839-4855. **DOI:** [http://dx.doi.org/10.15666/aecer/1804\\_48394855](http://dx.doi.org/10.15666/aecer/1804_48394855). **IF = 0.74**
14. Ali, A., Ashraf, M. I., Gulzar, S., Akmal, M., & **Ahmad, B.** (2019). Estimation of soil carbon pools in the forests of Khyber Pakhtunkhwa Province, Pakistan. *Journal of Forestry Research*, 19:1-9. **DOI** [10.1007/s11676-019-01059-9](https://doi.org/10.1007/s11676-019-01059-9). **IF = 2.149**
15. **Ahmad, B.**, Wang, Y.H., Hao, J., Liu, Y.H., Bohnett, E. & Zhang, K.B. (2019). Optimizing Stand Structure for Tradeoffs between Overstory and Understory Vegetation Biomass in a Larch Plantation of Liupan Mountains, Northwest China. *Forest Ecology and Management*, 443, 43-50. <https://doi.org/10.1016/j.foreco.2019.04.001>. **IF= 3.558**
16. Liu, J., Bian, Z., Zhang, K., **Ahmad, B.**, & Khan, A. (2019). Effects of different fencing regimes on community structure of degraded desert grasslands on Mu Us desert, China. *Ecology and Evolution*, 9(6), 3367-3377. **DOI:** [10.1002/ece3.4958](https://doi.org/10.1002/ece3.4958). **IF= 2.912**
17. **Ahmad, B.**, Wang, Y.H., Hao, J., Liu, Y.H., Bohnett, E. & Zhang, K.B. (2018). Optimizing Stand Structure for Tradeoffs between Overstory Timber Production and Understory Plant Diversity: A Case Study of a Larch Plantation in Northwest China. *Land Degradation and Development*, 29(9), 2998-3008. <https://doi.org/10.1002/ldr.3070>. **IF = 4.977**
18. Siraj, M., Zhang, K., Xiao, W., **Bilal, A.**, Gemechu, S., Geda, K., Yonas, T., & Xiaodan, L. (2018). Does participatory forest management save the remnant forest in Ethiopia?. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, 88(1), 1-14. **DOI:**[10.1007/s40011-016-0712-4](https://doi.org/10.1007/s40011-016-0712-4). **IF=0.95**
19. **Ahmad, B.**, Nabi, G., Hayat, M., & Muhammad, J. (2017). Habitat study of Chukar partridge (*Alectoris chukar*) in district Malakand: A case study of town Thana, Pakistan. *J. Bio. Env. Sci.* Vol. 11, No. 4, p. 11-17.
20. Wang, X., Zhang, B., Zhang, K., Zhou, J., & **Ahmad, B.** (2015). The Spatial Pattern and Interactions of Woody Plants on the Temperate Savanna of Inner Mongolia, China: The Effects of Alternating Seasonal

Grazing-Mowing Regimes. PloS one, 10(7), e0133277. <https://doi.org/10.1371/journal.pone.0133277>. **IF= 3.240**

21. Liu, X., Zhang, K., & **Ahmad, B.** (2015). Influence of Fencing Time on Vegetation Community Structure and Species Diversity in Sandy Grassland of Ningxia in China. *Nature Environment and Pollution Technology*, 14(3), 703-708. **IF= 0.84**
22. Hou, R., Zhang, K., **Ahmad, B.**, Wang, L., & Wang, X. (2015). Hydrological Effects of Forest Litter and Soil on Different Density Plantations of *Pinus sylvestris* L. Var. *mongolica* Litv. in Mu Us Sandland, Northwest China. *Nature Environment and Pollution Technology*, 14(2), 243-250. **IF= 0.84**
23. Liu, X. D., Li, R., Zhang, K. B., & **Bilal, A.** (2014). Diversity of plant species and communities complexity in artificial fencing region of semi-arid area: A case study of Yanchi County of Ningxia. *Ecology and Environmental Sciences*, 23(7), 1093-1101.