

## PERSONAL PROFILE

**Dr. Atul Kumar Bhardwaj**  
**Assistant Professor (Forestry)**  
**Department of Forestry, Wildlife &  
Environmental Sciences,**  
**GGV, Bilaspur (CG).**  
**Email: [akbkrb@gmail.com](mailto:akbkrb@gmail.com)**  
**Mobile: +91-9770149409**



## ACADEMIC QUALIFICATIONS

| S.No | Degree          | Institution  | Year |
|------|-----------------|--|------|
| 01   | Ph.D.(Forestry) | Guru Ghasidas Central University, Bilaspur,<br>Chhattisgarh. | 2019 |
| 02   | M.Sc.(Forestry) | Guru Ghasidas Central University, Bilaspur,<br>Chhattisgarh. | 2013 |

## AREA/ GROUP OF SPECIALIZATION

Forest Management

Eco-restoration and wasteland development

Mycorrhizae and Nursery Production

## RESEARCH EXPERIENCE

- Project fellow in UGC Major Research project entitled “**Vesicular Arbuscular Mycorrhizal fungi in important forest species planted in Entisol soil of Eastern Chhattisgarh and its exploitation for the production of quality nursery stocks.**” During 10/02/2014 to 09/02/2016.
- Senior Research Fellow in the project Entitled “**Vesicular Arbuscular Mycorrhizal fungi in important forest species planted in Entisol soil of Eastern Chhattisgarh and its exploitation for the production of quality nursery stocks**” From 10/02/2016 to 31/03/2017.
- Worked as a Project Fellow in CCOST Minor Research Project Entitled “**Study of structure and function of different agro-forestry practices existing in Chhattisgarh plain zone**” From 03/04/2017 to 31/03/2018.

## PUBLICATIONS

- Chandra, K.K. and Bhardwaj, A.K. **2015**. Incidence of Forest Fire in India and Its Effect on Terrestrial Ecosystem Dynamics, Nutrient and Microbial. *International Journal of Agriculture and Forestry*, 5(2): 69-78.
- Bhardwaj A.K. and Chandra, K.K. **2016**. Biomass and Carbon Stocks of Different Tree Plantations in Entisol Soil of Eastern Chhattisgarh India. *Current World Environment*. 11(3), 819-824 (2016).  
Doi:<http://dx.doi.org/10.12944/CWE.11.3.17>.
- Atul Kumar Bhardwaj and Chandra KK. **2017**. AMF symbiosis in forest species plantations and its relationship with major soil nutrients in entisol soil of Bilaspur, (C.G.). *Life science bulletin* – June, vol 14(1), 27-32.
- Chandra K K and AtulkumarBhardwaj. **2018**. Growth, Biomass and Carbon Sequestration by Trees in Nutrient-Deficient Bhata Land Soil of Bilaspur, Chhattisgarh, India. **Springer Nature Singapore** Pvt Ltd. 2018 (eds.) V.P. Singh et al., Energy and Environment, Water Science and Technology Library 80, Doi: [https://doi.org/10.1007/978-981-10-5798-4\\_4](https://doi.org/10.1007/978-981-10-5798-4_4) p 39-45.
- Bhardwarj AK and Chandra K K. **2018**. Soil moisture fluctuation influences AMF root colonization and spore population in tree species planted in degraded entisol soil. *International Journal of Biosciences*, Vol. 13, No. 3, p. 229-243, 2018.Doi:<http://dx.doi.org/10/12692/ijb/13.3.229-243>
- Atul Kumar Bhardwaj and Chandra K K **2018**. Micronutrients Status Under Different Tree Species Plantations In Entisol Soil And Its Relationship With AMF Root Colonization. *International Journal of Agriculture, Environment and Biotechnology*, October, 2018.. DOI: [10.30954/0974-1712.10.2018.6](https://doi.org/10.30954/0974-1712.10.2018.6)

## WORKSHOP, NATIONAL & INTERNATIONAL SEMINAR

- Two days national workshop attended on the topic of “**Particle accelerator for interdisciplinary research**” dated: 18-19/02/2014. Organized by the department of pure and applied physics GurughasidasVishwavidhyalaya Bilaspur, Koni.
- Two days national workshop attended on the topic of “**Intellectual Property Rights, IP Commercialization and Preservation of Plagiarism**” dated: 27-28/02/2016.Jointlyorganized by Chhattisgarh Council of Science & Technology and GurughasidasVishwavidhyalaya Bilaspur, Koni.
- Two days national workshop attended on the topic of “**Isolation and Staining Techniques of Mycorrhizal Fungi**” dated: 30-31/10/2015. Organized by

the Department of Rural Technology & social development, Gurughasidas Vishwavidhyalaya Bilaspur, Koni.

- Poster presented in the Two days National Seminar on the topic of **“Ethno-medicine and New Drug Discovery: Opportunities and Challenges”** Organized by the S.L.T. institute of Pharmaceutical sciences Gurughasidas Vishwavidhyalaya Bilaspur, Koni. Dated: 10-11/04/2015.
- Poster presented in the Two days National Seminar on the topic of **“Innovation and entrepreneurship in Biotechnology”** Organized by the Department of Biotechnology, Gurughasidas Vishwavidhyalaya Bilaspur, Koni. Dated: 26-27/12/2016.
- Poster presented in the Two days National Seminar on the topic of **“Environment and conservation of Biodiversity”** Organized by the Government Madan Lal Shukla Collage, Seepat, Dist. Bilaspur (C.G.). Dated: 29-30/01/2015. Sponsored by University Grant commission, Central Regional Office, Bhopal.
- Paper presented in the Two days National Seminar on the topic of **“Climate Change and its impact on agriculture in Chhattisgarh”** Organized by the Department of Geography, Chaitanya Collage, Pamgarh, Dist. Janjgir- Champa (C.G.). Dated: 23-24/01/2016. Sponsored By Chhattisgarh Council of Science & Technology.
- Paper presented in the Two days National Seminar on the topic of **“Recent advances in Biotechnology & Bio-fuels”** Organized by the Department Microbiology and Bioinformatics, Bilaspur University (C.G.). Dated: 12-13/09/2016. Sponsored By Department of biotechnology (DBT), Govt. Of India, New Delhi.
- Paper presented in the international seminar on the topic of **“Seasonal dynamics of AMF colonization and spore population in the *Albizia lebbeck* and *Terminalia arjuna* species planted on entisol soil at Bilaspur.”** Organized by the Gurughasidas Vishwavidyalaya Bilaspur, Koni. Dated: 15-17/10/2017.
- Poster presented in the national seminar on the topic of **“To produce a quality nursery stock by AMF inoculation”** Organized by the Department of Botany, Gurughasidas Vishwavidhyalaya Bilaspur, Koni. Dated: 21-23/03/2017.
- Paper presented in the national seminar on the topic of **“*Terminalia arjuna* responses better during the association of AMF in the form of growth photosynthesis”** Organized by the Department of Botany, Gurughasidas Vishwavidyalaya Bilaspur, Koni. Dated: 7-9/02/2018.

- Paper presented in the national seminar on the topic of “**Role of AMF on water conservation in trees planted in entisol soil of C.G. India.**” Combined oorganized by the Pt. Sundarlal Sharma Open University Bilaspur, Bilaspur University, Bilaspur, Dr. C.V. Raman University Kota Bilaspur and Guru Ghasidas Vishwavidyalaya Bilaspur, Koni. Dated: 29-30/03/2018.
- Poster presented in the international seminar on the topic of “**Arbuscular mycorrhizal fungi change the photosynthesis, stomatal conductance & transpiration rates in *Terminalia arjuna* seedling under water stress condition.**”Organized by the Gurughasidas Vishwavidyalaya Bilaspur, Koni. Dated: 28-30/10/2018.