

# Maaz Maqsood Hashmi

*Endeavoring to pursue a resourceful professional career by combining the technical skills and academic knowledge; augmenting them by working in a challenging environment equipped with competitive resources.*

## Qualifications

- **M.S Forestry and Environmental Sciences,**  
*Tuscia University of Viterbo and University of Molise, Italy, 2015- 2017*
- **B.Sc (Hons.) Agriculture with major in Forestry and Range Management,**  
*University of Arid Agriculture Rawalpindi, Pakistan, 2008-12*

## Awards & Achievements

- **National Internship Programme at Ministry of National Food Security & Research, Pakistan, (2012-13)**
- **International Scholarship for M.S. in Forestry and Environmental Sciences in Italy, (2015-17)**
- **Regional Scholarship of Lazio region, Italy. (2016-17)**
- **Erasmus Traineeship in Dendrochronology Laboratory at Nicolaus Copernicus University, Torun, Poland. (2017)**

## Publications

- **M.M.Hashmi,** Frate, L., Nizami, S. M., & Carranza, M. L. (2017). Assessing transhumance corridors on high mountain environments by least cost path analysis: the case of yak herds in Gilgit-Baltistan, Pakistan. *Environmental Monitoring and Assessment*, 189(10), 488. <https://doi.org/10.1007/s10661-017-6189-7>
- Habib. M., **M.M. Hashmi,** U.A. Abbasi. 2015. Proficient physiognomies and herbage of blue panic grass (*Panicum antidotale*) at variable clipping intensities. *Basic Research Journal of Agricultural Science and Review* ISSN 2315-6880. Vol. 4(1) pp. 001-004. <http://basicresearchjournals.org/agric/pdf/Habib%20et%20al.pdf>.
- **M.M. Hashmi,** K. Sumble. 2015. Estimation of Wood Volumes in Karore Forest, Pakistan. *European Academic Research*. Vol: 2. Issue 10. PP: 13107-13112. <http://euacademic.org/UploadArticle/1268.pdf>
- **M.M. Hashmi,** K. Waqar., S.S. Abbasi., U.A. Abbasi., K. Gul. 2014. Impact of pretreatments and magnetized water application on seeds of *Acacia nilotica* and *Albizia saman*. *Basic Research Journal of Agricultural Science and Review* ISSN 2315-6880. Vol. 3(10) pp. 90-92. <http://basicresearchjournals.org/agric/abstract/Hashmi%20et%20al.html>
- **M.M. Hashmi,** M. Habib., U.A. Abbasi., R.S. Tariq. 2014. Assessment of Carbon Stocks and Biodiversity in Karore Forest, Rawalpindi-North, Pakistan. *European Academic Research*. Vol: 2. Issue 6. PP: 7490-7498. <http://euacademic.org/UploadArticle/897.pdf>
- **M.M. Hashmi,** K. Waqar. 2014. Assessment of highest germination rate of native legume tree species. *European Academic Research*. Vol: 2. Issue: 4. PP: 5058-5063. <http://euacademic.org/UploadArticle/738.pdf>
- **M.M. Hashmi,** K. Waqar., S.S.Abbasi. 2014. Nutritional evaluation of *Grewia optiva* and *Grewia populifolia* in different seasons and sites of Chakwal district in Pakistan. *European Academic Research*. Vol: 2. Issue: 4. PP: 5047-5057. <http://euacademic.org/UploadArticle/737.pdf>

## Conference Papers/Abstracts

- A.W. Jasra., **M.M. Hashmi,** K. Waqar., M. Ali. 2015. Climate Smart Yak Farming in High Altitudes of Gilgit Baltistan. *International Conference on Scientists for Sustainability*, Islamabad, Pakistan, 1-2 April 2015.

- A.W. Jasra., **M.M. Hashmi.**, K. Waqar., M. Ali. 2014. Traditional Yak herding in Gilgit-Baltistan high altitudes of Pakistan: Trans-boundary and biodiversity conservation challenges. *International Yak Conference*. Lanzhou, China, August 2014.

## Research & Professional Experience

- **Researcher** at University of Molise, Italy (January 2018 till date)
  - Italian land use inventory
- **REDD+ Associate** at World Wide Fund for Nature, Pakistan (August'15- September'15)
  - Organizing the National Forest Inventory Training on REDD+ in collaboration with UN-FAO and Ministry of Climate Change (MoCC), Government of Pakistan.
  - Liaison between WWF-Pakistan, MoCC and World Bank Pakistan for REDD+ implementation phase.
  - Translation of National Forest Monitoring System journal from English to Urdu for MoCC.
- **Research Associate** at International Centre for Integrated Mountain Development (ICIMOD) Pakistan (Jan'14-July'15)
  - Conduct survey in Gilgit Baltistan regarding Yak conservation
  - Development of Research reports and Research papers in context of Yak herding
  - Support country office staff in research activities
  - Develop concept notes and Organize events of ICIMOD in Pakistan
  - Support Upper Indus Basin (UIB) network meetings and develop reports
- **Research Internee** at National Agricultural Research Centre, Ministry of National Food Security, Government of Pakistan (Dec'12-Dec'13)
  - Forest Nursery Management
  - Biomass estimation of Range Grasses
  - Seed Germination Improvement
- **Volunteer at World Wide Fund for Nature (WWF) Pakistan** (Aug'12 - Dec'12)
  - Basic map digitization using Arc GIS and Global Mapper
  - Prepared background documents and Website material regarding Clearing House Mechanism (CHM) programme.
- **Research Associate (Part time)** (July'10- August'12)
  - Soil sampling and analyses
  - Forest inventory using GPS
  - Biomass estimation

## Major Projects

- **Pasture Management at National Agricultural Research Centre, Pakistan**
  - Develop and manage forest plants nursery
  - Erosion and vegetation management at Rangelands
  - Seed germination improvement of forest species.
- **Assessment of Carbon Stocks and Biodiversity in Karore Forest, Rawalpindi-North, Pakistan**
  - Forest Inventory
  - Preparing Volume Tables
  - Carbon stock estimation
  - Biodiversity conservation and Pastoralism

## Technical Experience

- **Member of Organizing Committee at International Centre for Integrated Mountain Development (ICIMOD)** (March'13- April'15)
  - Organized the Board of Governors Meeting of ICIMOD, at Serena Hotel Islamabad.
    - Provided Support (security clearance, visas, accommodation, travel, etc.) to the participants from Afghanistan, Austria, Bangladesh, Bhutan, Canada China, Denmark, Germany, India, Myanmar, Nepal, Sweden, Switzerland, Norway, and United States of America. Including the **Former Prime Minister of Bhutan**.

- *Organized nine back to back events in different areas of Pakistan.*
  - *ISG meeting, Workshop on Gender empowerment in Himalayan Region etc. at Serena Hotel, Islamabad.*
  - *Field visit to PARC Water conservation model site at Fateh Jung.*
  - *Field Visit of Chitral.*
  - *Field Visit to Murree Hills and demonstration of PARC research sites.*
- *Organized the Upper Indus Basin- Experts Field Visit, Gilgit- Baltistan, Pakistan.*
  - *Provided Support (security clearance, visas, logistical support etc.) to the participants from Bangladesh, China, India and Nepal.*
  - *Organized the Debriefing Session on UIB-Experts Field Visit at Marriott Hotel, Islamabad.*
- *Organized a Three Days National Youth Forum on Mountain Agenda 2013 at Islamabad, Pakistan.*
  - *Provided Support to the participants all provinces and regions of Pakistan.*
- *Organized the ICIMOD Calendar events in Pakistan*
  - *International Women's Day.*
  - *World Water Day.*
  - *International Biodiversity Day.*
  - *World Environment Day.*
  - *International Mountain Day.*
- ***Member of Event Organizing Committee at Pakistan Agricultural Research Council (PARC)***  
*(August'13-November'13)*
  - *Organized three back to back events at Best Western Motel and NARC, Islamabad;*
    - *NARS-CGIAR Interactive session for strengthening partnership in South Asia.*
    - *AAPARI Regional Workshop on "Youth and Agriculture: Challenges and Opportunities"*
    - *AAPARI Executive Committee Meeting*
- ***Team Member at International Centre for Agricultural Research In Dry Areas (ICARDA)****(April'13-July'13)*
  - *Part of NARC Scientist team for Development of CRP 1.1 Project Framework in Pakistan.*
  - *Organized the Inception workshop on Soil conservation and Improvement at NARC, Islamabad.*
- ***Team Member at Food & Agriculture Organization of United Nations*** *(Jan'12-April'13)*
  - *Worked as a Team member (Representative from RRI, NARC) for development of the very first book on Current Status of Rangelands of Pakistan.*
  - *Supported the Provincial Consultants with Literature review and Document formatting.*

## Technical Skills

- Biomass estimation of vegetation.
- Seed Germination improvement techniques and nursery management.
- Surveys and field inventories.
- Livelihood and conservation.
- Event Management.
- Working knowledge of QGIS & ArcGIS.
- Good command on MS Office. (upto package 2016)
- Dendrochronology. (R studio, TSAPWin, Lintab, CDendro, Coorecorder)

## Personal Skills

- Strong interpersonal & presentation skills,
- Experienced in technical writing & formal reporting,
- Goal-oriented, optimistic and team-player,
- Spoken languages: English, Urdu, Punjabi, Hindi, Italian.

## Activities & Interests

- Travelling, sight-seeing & hiking,

- Leisure reading & natural photography,
- Badminton, cricket, cycling, swimming, cooking and driving.

## References

### **Prof. Dr. Roberto Tognetti**

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