

Ishfaq Ahmad

Full name: Ishfaq Ahmad

Position/Title: Assistant Professor

Institution: CCRD, COMSATS University Islamabad

Professional Training/Education:

- 2014-2018 Ph.D. Agronomy, Dept. of Agronomy, University of Agriculture, Faisalabad-Pakistan
Thesis Title: Yield Forecasting of Maize for Different Agronomic Practices under Climate Change and Variability Using Simulations and Remote Sensing.
- 2012-2014 M.Sc.(Hons.) Agronomy, Dept. of Agronomy, University of Agriculture, Faisalabad-Pakistan
Thesis Title: Use of Optical Remote Sensing and DSSAT to Assess the Response of Wheat (*Triticum aestivum* L.) Yield for Irrigation and Nitrogen Regimes.
- 2008-2012 B.Sc. (Hons.) Agriculture, Agronomy, University of Agriculture, Faisalabad-Pakistan

Chronological List of Positions

- Assistant professor at Center for Climate Research & Development (CCRD), COMSATS University Islamabad, Pakistan (20 May, 2019 to-date)
- Research Assistant at Agro-climatology Lab, Department of Agronomy University of Agriculture Faisalabad (UAF) (October, 2018- 28 February 2019)
- Support Consultant at Hussain Chaudhry Consultancy (HCC), Lahore (1st March, 2018-31 October, 2018)
- Research Fellowship at Center for Remote Sensing, Department of Agriculture and Biological Engineering, University of Florida, USA (6 April-30 September 2017)
- Research Officer at AgMIP (Agricultural Model Intercomparison and Improvement Project) Phase-II, UAF (21 September 2015 to 28 February 2017)
- Research Assistant at AgMIP (Agricultural Model Intercomparison and Improvement Project) Phase-I (4 April 2013 to 20 September 2015)
- Research Officer at Pakistan Agricultural Information System Lab, UAF (15 May, 2015 to 10 January, 2016)

List of up to five publications related to project

1. Fahad. M. **I. Ahmad***, A. Hussain. 2020. Implications of 1.5 and 2.0°C addition warming on Wheat using gridded modeling approach. *Atmósfera*, Accepted
2. Fahad. M, I. Ahmad*, M. Rehman, M.M. Waqas, F. Gul. 2019. Regional Wheat Yield Estimation by Integration of Remotely Sensed Soil Moisture into a Crop Model" *Canadian Journal of Remote Sensing*. <https://doi.org/10.1080/07038992.2019.1692651>
3. Waqas, M. M, U.K. Awan, M.J.M. Cheema, **I. Ahmad***, M. Ahmad, S. Ali, S.H.H. Shah, A. Baksh, M. Iqbal. 2019. Estimation of Canal Water Deficit using satellite Remote Sensing and GIS: A Case Study in Lower Chenab Canal System, Pakistan. *Indian Society of Remote Sensing*. DOI: 10.1007/s12524-019-00977-9

4. **Ahmed, I***, U. Saeed, M. Fahad, A. Ullah, M.H. Rehman, and J. Judge. 2018. Yield forecasting of Spring Maize using Remote Sensing and Crop Modeling in Faisalabad-Punjab Pakistan. *Indian society of Remote Sensing*. 46: 1701-1711)
5. **Ahmed, I***, M.H. ur. Rahman, A. Ashfaq, A. Shakeel, and J. Jasmeet. 2018. Assessing the Impact of Climate Variability on Maize using Simulation Modeling under Semi-Arid Environment of Punjab-Pakistan. *Environment Science and Pollution Research*. 25: 28413-28430

List of up to five activities related to the proposed Project activities. These activities may include: current or previous grants; teaching; collaborations; leading workshops/conferences; community outreach or engagement;

- 1- Project: Identification and up-scaling of climate-smart agriculture (CSA) practices for sustainable food security in high altitude farming regions of Himalaya (Research activities at Pakistan, Bhutan and Nepal)
Funding agency: Asia Pacific Network on Global Change Research (APN-GCR), Japan
Amount: 9.00 millions
Duration: September, 2019 to September, 2021
Role As: CO-PI
- 2- Project: Impact of 2°C additional warming on agronomic crops by using Half a degree Additional warming, Prognosis and Projected Impacts' (HAPPI) scenarios and crop modeling approach
Funding agency: Global Change Impact Study Center (GCISC), Pakistan
Amount: 1.2 millions
Duration: October, 2018 to 28 February 2019
Role As: Research Assistant
- 3- Consultancy: Development of Climate Smart Agriculture Practices for Punjab Pakistan
Funding agency: The World Bank and The International Center for Tropical Agriculture
Duration: 1st March, 2018 to 31 October, 2018
Role As: Support Consultant
- 4- Consultancy: Capacity building of agriculture department in climate change adaptation using Decision Support System for Agro-technology Transfer (DSSAT)
Funding agency: Oxford Policy Management (OPM)
Duration: 1st March, 2018 to 31 October, 2018
Role As: Resource person/Trainer
- 5- Consultancy: Establishment of Agro-ecological Zones of Punjab Pakistan
Funding agency: The Food and Agriculture Organization (FAO)
Duration: 26 December, 2017 to April, 2018