

Dear Sir

I'm writing in response to your recently advertised ESiWACE Summer School. I am very interested in this opportunity and believe that my qualifications, education and professional experience would make me a strong candidate.

I am working as assistant professor at "Centre for Climate Research and Development (CCRD), COMSATS University Islamabad, Pakistan. I expertise are in disaster risks, Climate change and variability assessment using crop modeling and Remote Sensing. I have also expertise in remote sensing for Land Cover classification, area estimation and development of yield forecasting model using Machine Learning Algorithms

During my PhD I have worked on "Yield forecasting of maize at different agronomic practices under climate change and climate variability using remote sensing and crop Modeling". I remained visiting scientist at Centre for Remote Sensing, University of Florida, USA for 6 months, Where I worked on use of machine learning algorithms for assessing the spatial variability of maize and yield forecasting. Currently I have worked on climate variability assessment using Machine Learning.

I remained resource person for hands on training using climate/ crop modeling and remote sensing using geo-spatial data. The problem that I'm currently facing is that I have expertise in machine learning and I run using my laptop which took lot of time for commuting and waste my time. We have HPC server at our university, but no one know how to use it for geo-spatial analysis and for other computing using machine learning. We used that server only for website hosting. It would be great if I got training of HPC during summer schooling and I can work on climate variability assessment using machine learning algorithms at larger scale in Pakistan

Enclosed is my resume that more fully details my background and work experience, and how they relate to your position. I firmly believe that I can be a valuable asset to your team. I welcome the opportunity to speak with you about this position

Thank you in advance for your consideration.

Kind regards,

Dr. ISHFAQ AHMAD

Assistant professor

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