

List of Publications of Dr. Habib ur Rahman, Lecturer

1. Ishfaq Ahmed, **M. Habib ur Rahman**, Ashfaq Ahmad, Shakeel Ahmed and Jasmeet Judge. 2018. Assessing the Impact of Climate Variability on Maize using Simulation Modeling under Semi-Arid Environment of Punjab-Pakistan. *Environ Sci. Pollut. Res.* (I.F. 2.8).
<https://link.springer.com/article/10.1007%2Fs11356-018-2884-3>
2. Ishfaq Ahmed, Umer Saeed, M. Fahad, Asmat Ullah, **M. Habib ur Rahman**, and Jasmeet Judge. 2018. Yield forecasting of Spring Maize using Remote Sensing and Crop Modeling in Faisalabad-Punjab Pakistan. *Indian society of remote sensing.* (I.F. 0.81).
<https://link.springer.com/article/10.1007%2Fs12524-018-0825-8>
3. Wajid Nasima, Asad Amin, Shah Fahade, M. Awais, Naeem Khan, M. Mubeen, Abdul Wahid, **M. Habib ur Rahman**, et al., 2018. Future risk assessment by estimating historical heat wave trends with projected heat accumulation using SimCLIM climate model in Pakistan. *Atmospheric Research.* (I.F. 3.8).
<https://www.sciencedirect.com/science/article/pii/S0169809517310992>
4. **Muhammad Habib ur Rahman**, Ashfaq Ahmad, Xuechun Wang, Aftab Wajid, Wajid Nasime, Manzoor Hussain, Burhan Ahmad, Zulfiqar Ali, Vakhtang Shelia, Shakeel Ahmad, Shah Fahd and Gerrit Hoogenboom. 2018. Multi-model projections of future climate and climate change impacts uncertainty assessment for cotton production in Pakistan. *Agricultural and Forest Meteorology.* (I.F. 4.03).
<https://www.sciencedirect.com/science/article/pii/S0168192318300455>
5. Muhammad Afzal, Salem Safer Alghamdi, **Muhammad Habib ur Rahman**, Awais Ahmad, Tahir Farooq, Mukhtar Alam, Imtiaz Ali Khan, Hidayat Ullah, Wajid Nasim and Shah Fahad. 2018. Current status and future possibilities of molecular genetics techniques in Brassica napus. *Biotechnol. Lett.* (I.F. 1.77).
<https://link.springer.com/article/10.1007%2Fs10529-018-2510-y>
6. Muhammad Tariq, Shakeel Ahmad, Shah Fahad, Ghulam Abbasa, Sajjad Hussaina Zartash Fatima, Wajid Nasimd, Muhammad Mubeen, **M. Habib ur Rehman**, Muhammad Azam Khan, Muhammad Adnan, Carol Jo Wilkerson and Gerrit Hoogenboom. 2018. The impact of climate warming and crop management on phenology of sunflower-based cropping systems in Punjab, Pakistan. *Agricultural and Forest Meteorology* (I.F. 4.03).
https://www.researchgate.net/publication/323905731_The_impact_of_climate_warming_and_crop_management_on_phenology_of_sunflower-based_cropping_systems_in_Punjab_Pakistan
7. Wajid Nasim, A. Amin, S. Fahad, M. Awais, N. Khan, M. Mubeen, A. Wahid, V. Turan, **M. H. Rahman**, M. Z. Ihsan, S. Ahmad, S. Hussain, I. A. Mian, B. Khan, Y. Jamal. 2018. Future risk assessment by estimating historical heat wave trends with projected heat accumulation using

SimCLIM climate model in Pakistan. **Atmospheric research. (I.F. 3.8).**
<https://www.sciencedirect.com/science/article/pii/S0169809517310992>

8. Wajid Nasim, Ashfaq Ahmad, Asad Amin, M. Tariq, M. Awais, M. Saqib, Khawar Jabran, Ghulam Mustafa Shah, Refat Sultana, Mohkum Hammad, M. Ishaq Asif Rehmani, Zaffar Hashmi, **M. Habib ur Rahman**, Veysel Turan, Shah Fahad, Shah Suad, Aziz Khan. **2018.** Radiation efficiency and nitrogen fertilizer impacts on sunflower crop in contrasting environments of Punjab, Pakistan. *Environ Sci. Pollut. Res. (I.F. 2.8)*
9. Muhammad Awais, Aftab Wajid, Muhammad Usman Bashir, **Muhammad Habib-ur-Rahman**, et al. **2018.** Potential impacts of climate change Climate change impact assessment and adaptation strategies for sunflower in Pakistan. *Environ Sci. Pollut. Res. (I.F. 2.8).*
<https://link.springer.com/article/10.1007%2Fs11356-017-0592-z>
10. **Muhammad Habib ur Rahman**, Ashfaq Ahmad, Aftab Wajid, Manzoor Hussain, Javaid Akhta and Gerrit Hoogenboom. **2017.** Application of CSM- CROPGRO-Cotton Model for Cultivars and Economical Optimum Planting Dates: Evaluation in Changing Semi-Arid Climate. **Field Crops Research. (I.F. 3.13).**
<https://www.sciencedirect.com/science/article/pii/S0378429017311395>
11. Ghulam Abbas, Shakeel Ahmad, Ashfaq Ahmad, Wajid Nasim, Zartash Fatima, Sajjad Hussain, **Muhammad Habib ur Rahman** et al., 2017. Quantification the impacts of climate change and crop management on phenology of maize-based cropping system in Punjab, Pakistan. **Agricultural and Forest Meteorology. (I.F. 4.03)**
<https://www.sciencedirect.com/science/article/pii/S0168192317302289?via%3Dihub>
12. Wajid Nasim, A. Ahmad, A. Amin, M. Tariq, M. Awais, M. Saqib, K. Jabran, G. Shah, S. R. Sultana, H. M. Hammad, M. I. A. Rehmani, M. Z. Hashmi, **M. H. Rahman**, V. Turan, S. Fahad, S. Suad, A. Khan, and S. Ali. 2017. Radiation efficiency and nitrogen fertilizer impacts on sunflower crop in contrasting environments of Punjab, Pakistan. *Environ Sci. Pollut. Res. (I.F. 2.8).*
<https://link.springer.com/article/10.1007%2Fs11356-017-0592-z>
13. Muhammad Awais, Aftab Wajid, Muhammad Usman Bashir, **Muhammad Habib-ur-Rahman**, et al. 2017. Nitrogen and plant population change radiation capture and utilization capacity of sunflower in semi-arid environment. *Environ Sci. Pollut. Res. (I.F. 2.76).*
<https://link.springer.com/article/10.1007%2Fs11356-017-9308-7>
14. Muhammad Awais, Aftab Wajid, Wajid Nasim, Ashfaq Ahmad, **M. Habib ur Rahman** et al. 2017. Modeling the water and nitrogen productivity of sunflower using OILCROP-SUN model in Pakistan. *F. crops research. 205; 67-77. (I.F. 3.13).*
<https://www.sciencedirect.com/science/article/pii/S0378429017301284?via%3Dihub>

15. Muhammad Usman Bashir, Aftab Wajid, Ashfaq Ahmad, Muhammad Awais, Muhammad Aown Sammar Raza, Ghulam Mustafa Tahir, Umer Saeed, **Muhammad Habib ur Rahman**, Muhammad Waqas, Shahid Abbas. 2017. Irrigation scheduling of wheat at different nitrogen levels in semi- arid region. Turk J. Field Crops, 22(1), 63-70. (I.F. 0.42).
<http://www.field-crops.org/assets/pdf/product58eb5b8424c22.pdf>
16. Asad Amin, Wajid Nasim, Muhammad Mubeen, Muhammad Nadeem, Liaqat Ali, Hafiz Mohkum Hammad, Syeda Refat Sultana, Khawar Jabran, **M. Habib ur Rehman** et al. 2017. Optimizing the phosphorus use in cotton by using CSM-CROPGRO-cotton model for semi-arid climate of Vehari-Punjab, Pakistan. 2017. Environ Sci. Pollut. Res. (I.F. 2.8)
<https://link.springer.com/article/10.1007%2Fs11356-016-8311-8>
17. Shakeel Ahmad, Qaiser Abbas, Ghulam Abbas, Zartash Fatima, Atique-ur- Rehman, Sahrish Naz, Haseeb Younis, Rana Jahanzeb Khan, Wajid Nasim, **Muhammad Habib ur Rahman**, Ashfaq Ahmad, Ghulam Rasul et al. 2017. Quantification of Climate Warming and Crop Management Impacts on Cotton Phenology. Plants. 2017, 6.7. (ISI rated).
<https://www.mdpi.com/2223-7747/6/1/7>
18. Aftab Wajid, Ashfaq Ahmad, Muhammad Awais, **Muhammad Habib-ur- Rahman**, Aown Sammar, Usman Bashir, Muhammad Naveed Arshad, Sana Ullah, Muhammad Irfan and Umair Gull. Nitrogen Requirements of Promising Cotton Cultivars in Arid Climate of Multan. 2017. Sarhad Journal of Agriculture. (HEC recognized).
<http://researcherslinks.com/current-issues/Nitrogen-Requirements-of-Promising-Cotton-Cultivars-in-Arid-Climate-of-Multan/14/1/717/html>
19. **Muhammad Habib ur Rahman**, Ashfaq Ahmad, Aftab Wajid, Manzoor Hussain, Javaid Akhtar, Gerrit Hoogenboom. 2016. Estimation of temporal variation resilience in cotton varieties using statistical models. Pak. J. Agri. Sci., Vol. 53(3), 2016. (I.F. 0.70).
<https://www.pakjas.com.pk/papers/2639.pdf>
20. Fahd Rasul, Umair Gul, **Muhammad Habib ur Rahman**, Qaiser Hussain, Hassan Javed Chaudhary, Amar Matloob, Sobia Shahzad, Sumera Iqbal, Vakhtang Shelia, Sanwal Masood, Hassan Munir Bajwa. Biochar: An Emerging Technology for Climate Change Mitigation. 2016. J. Environ. Agric. Sci. 9; 37-43. (HEC recognized)
https://www.researchgate.net/publication/309565297_Biochar_An_Emerging_Technology_for_Climate_Change_Mitigation
21. Nasim W., H. Belhouchette, A Ahmad, **MH Rahman**, K Jabran, K Ullah, S Fahad, M Shakeel and G Hoogenboom. 2016. Modelling climate change impacts and adaptation strategies for sunflower in Punjab-Pakistan. Outlook on Agriculture, 45 (1): 39-45. (I.F. 0.65)

22. M. Awais, Aftab Wajid, Ashfaq Ahmad, Usman Bashir, **Muhammad Habib ur Rahman**, Jamshad Hussain and Umer Saeed. "Nitrogen fertilization and narrow plant spacing stimulates sunflower productivity". Turk J. Field Crops, 2015, 20(1), 99-108. **(I.F. 0.62)**.
<http://journals.sagepub.com/doi/abs/10.5367/oa.2015.0226?journalCode=oaga>
23. Aftab Wajid, Ashfaq Ahmad, Manzoor Hussain, **Muhammad Habib ur Rahman**, Tasneem Khaliq, Muhammad Mubeen, Fahd Rasul, Usman Bashir, Muhammad Awais, Javed Iqbal, Syeda Refat Sultana and Gerrit Hoogenboom. 2014. Modelling growth, development and seed-cotton yield for varying nitrogen increments and planting dates under DSSAT. Pak. J. Agri. Sci., Vol. 51(3), 641-649. **(I.F. 0.70)**.
https://www.researchgate.net/publication/266393893_MODELING_GROWTH_DEVELOPMENT_AND_SEED-COTTON_YIELD_FOR_VARYING_NITROGEN_INCREMENTS_AND_PLANTING_DATES_USING_DSSAT
24. Wajid, A., **M.H. Rahman**, A. Ahmad, T. Khaliq, N. Mahmood, F. Rasul, M.U. Bashir, M. Awais, J. Hussain and G. Hoogeboom, 2013. Simulating the interactive impact of nitrogen and promising cultivars on yield of lentil (*Lens culinaris*) using CROPGRO-legume model. Int. J. Agric. Biol., 15: 1331–1336. **(I.F 0.90)**.
http://www.fspublishers.org/published_papers/24358...pdf
25. **Rahman, M. H.**, Syed Aftab Wajid, Ashfaq Ahmad, Tasneem Khaliq, Asmat Ullah Malik, M. Awais, M.Talha, F. Hussain and G. Abbas. Performance of promising lentil cultivars at different nitrogen rates under irrigated conditions. Sci. Int., 25(4), 905-909, 2013. (ISI rated)
<http://www.sci-int.com/pdf/128139843344-905-909-Rehman%20-Agri-%20%20composed%2025-4-13.pdf>