

MONSIF UR REHMAN



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Personal Detail:

- ❖ Father's Name: Fazal Ur Rehman
- ❖ Date of Birth: 18-04-1987
- ❖ Domicile: Peshawar (KPK) Pakistan.

Highest Education:

The University of Agriculture, Peshawar

Ph.D. in Plant Breeding & Genetics (2019).

Distinction/award:

The University of Agriculture, Peshawar

- Certificate of Merit for 3rd position in the Department in M.Sc. (Hons) Plant Breeding & Genetics (2013).
- Recommended/selected as Research Officer (BPS-17), by KPPSC. RESEARCH OFFICER (CEREAL CROPS / PLANT BREEDING and GENETICS / AGRONOMY / MISCELLANEOUS) (05/2018, No. 5).
- Member of the team in releasing Wheat Variety "Subhani-21" year 2021. WRI-AARI Faisalabad in collaboration with CIMMYT-INT. Pakistan Office.

Experience:

- Six months' experience as a surveyor in a project at Nuclear Institute for Food and Agriculture (NIFA), Peshawar) during 2011-2012.
- Worked as a Research Associate in CIMMYT International (2014-2020), Pakistan. The main duties included but not limited to: Survey, Data collection on crop situation across Pakistan, Trials evaluation and selection, Data analysis, Report writing, Organizing trainings/Meetings, National/International coordination etc.
- **Current position:** Lecturer (BPS-18). Department of Agric. Hazara University, Mansehra.
 - ❖ Efficient in working on M.S Excel, M.S Word and statistical software for data analysis
 - ❖ Proven experience in presentations and trainings
 - ❖ Can work independently and as team and can adopt to various groups/areas.

Formal trainings/Conferences/Seminars/Workshops attended:

1. Advanced Wheat Improvement Course- Pathology, Breeding and Biotechnology modules. CIMMYT-Int. Elbatan, Texcoco, Mexico. August 01 to September 29, 2017.
2. Travelling Wheat Seminar-2017. Wheat Crop Assessment, Disease Monitoring and Data Recording on NUWYT Trials. *Plant Science Division, PARC Islamabad-Pakistan.*
3. Breeding Program Management and Statistical Data Analysis Training. CIMMYT-Int. in partnership with NARC, Islamabad-Pakistan. May 23-27, 2016.
4. 7th Annual Training Course on Standardization of Stem Rust Note-taking and Evaluation of Germplasm. CIMMYT-Int. KALRO, Njoro, Kenya. 12-18th October 2015.
5. Scientific Writing and Publication in Journals. *Climate Change Center, University of Agriculture, Peshawar Pakistan.* 14th May 2014.
6. Diagnosis and Research Methodology of Wheat Rusts. *Nuclear Institute for Food and Agriculture (NIFA), Tarnab, Peshawar-Pakistan.* 22nd March 2012.
7. International conference on Climate Change: a Challenge for Agriculturists. International Linkages of Pakistani Universities with Foreign Universities. *The University of Agriculture Peshawar.* May 28-30, 2012.
8. Field Layout and statistical Data Analysis Techniques. *Nuclear Institute for Food and Agriculture (NIFA), Tarnab, Peshawar-Pakistan.* September 25-27, 2012.

Trainings/Workshops organized:

1. Training workshop on “Biotic and Abiotic Stresses in Wheat”. *Wheat Research Institute, Ayub Agric. Research Institute (AARI), Faisalabad-Pakistan.* February 27, 2018- **Completed**
2. Wheat Improvement Training Course. CIMMYT-int. in partnership with Ayub Agric. Research Institute (AARI), Faisalabad-Pakistan. May 01 – April 24, 2015- **Completed**
3. 2nd Wheat Improvement Training Course. *Wheat Research Institute, Ayub Agric. Research Institute (AARI), Faisalabad-Pakistan.* November 25, 2019 to April 24, 2020.
4. Training workshop on Genetic and Genomic Approaches for Wheat Production Enhancement. *Department of Agriculture, Hazara University Mansehra.* March 2-3, 2022.

Publications:

1. Javed, R. M. Iqbal, S. Ullah, M.R. Khan, A. Iqbal, M.S. Ullah, **M.U. Rehman**, M. Fahim, M.S. Saqib and S. Ali. 2021. Phenotypic and molecular divergence in maize (*Zea mays* L.) ecotypes. *Pak. J. Agri. Sci.* 58(6):1783-1793.
2. Javed A. M.I. Tabassum, N. Ahmad, M. Nadeem, A. Rehman, M. Saleem, M. Zulkiffal, Addullah, S. Shamim, S. Asghar, S. Ajmal, A. Ahsan, M. Sarwar, H. Shair, **M.U. Rehman**, Y. Ramzan and M.H. Tanveer. 2021. Subhani-21: A Tower Yielding and Rust Resistant Wheat Variety for Irrigated Areas of Punjab – Pakistan. *J Agric. Res.* 59(4): 335-345.
3. **Rehman**, M.U., S. Gale, G. Brown-Guedira, Y. Jin, D. Marshall, L.W. Whitcher, S. Williamson, M. Rouse, J. Ahmad, G. Ahmad, I. A. Shah, M.A. Sial, Y. Rauf, A.R. Rattu, R. Ward, M. Nadeem, Ghulam Ullah and M. Imtiaz. Identification of seedling resistance to

stem rust in advanced wheat lines and varieties from Pakistan. 2020. Crop Science 60:804–811.

4. **Rehman**, M.U., S. Gale, G. Brown-Guedira, Y. Jin, D. Marshall, L.W. Whitcher, S. Williamson, M. Rouse, S. Bahavni, M. Hussain, G. Ahmad, M. Hussain, M.A. Sial, J.I. Mirza¹, Y. Rauf¹, A.R. Rattu, M. Qamar, K.A. Khanzada, A. Munir, R. Ward, R. Singh, H. Braun and M. Imtiaz. 2018. Adult plant resistance to stem rust (*Puccinia graminis* f. sp. *tritici*) in Pakistani advanced lines and wheat varieties. *AJCS* 12(10):1633-1639.
5. **Rehman**, M., H. Rahman, M. Iqbal, I.H. Khalil and Z. Shah. 2018. Line × Tester analysis of early generation inbred lines for some agronomic traits in maize. *Sarhad Journal of Agriculture*, 34(4): 932-940.
6. Matthew P. Reynolds. Alistair J. D. Pask. William J. E. Hoppitt. Kai Sonder. Sivakumar Sukumaran. Gemma Molero. Carolina Saint Pierre. Thomas Payne. Ravi P. Singh. Hans J. Braun. Fernanda G. Gonzalez. Ignacio I. Terrile. Naresh C. D. Barma. Abdul Hakim. Zhonghu He. Zheru Fan. Dario Novoselovic. Maher Maghraby. Khaled I. M. Gad. ElHusseiny G. Galal. Adel Hagra. Mohamed M. Mohamed. Abdul Fatah A. Morad. Uttam Kumar. Gyanendra P. Singh. Rudra Naik. Ishwar K. Kalappanavar. Suma Biradar. Sakuru V. Sai Prasad. Ravish Chatrath. Indu Sharma. Kishor Panchabhai. Virinder S. Sohu. Gurvinder S. Mavi. Vinod K. Mishra. Arun Balasubramaniam. Mohammad R. Jalal-Kamali. Manoochehr Khodarahmi. Manoochehr Dastfal. Seyed M. Tabib-Ghaffari. Jabbar Jafarby. Ahmad R. Nikzad Hossein Akbari Moghaddam. Hassan Ghogh. Asghar Mehraban. Ernesto Solís-Moya. Miguel A. Camacho-Casas. Pedro Figueroa-Lo´pez. Javier Ireta-Moreno. Jorge I. Alvarado-Padilla. Alberto Borbo´n-Gracia. Araceli Torres. Yei Nayeli Quiche. Shesh R. Upadhyay. Deepak Pandey. Muhammad Imtiaz. **Monsif U. Rehman**. Manzoor Hussain. Makhdoom Hussain. Riaz Ud-Din. Maqsood Qamar. Muhammad Kundi. Muhammad Y. Mujahid. Gulzar Ahmad. Abdul J. Khan. Mahboob A. Sial. Pompiliu Mustatea. Eben von Well. Moses Ncala. Stephan de Groot. Abdelraheem H. A. Hussein. Izzat S. A. Tahir. Amani A. M. Idris. Hala M. M. Elamein. Yann Manes. Arun K. Joshi. 2017. Strategic crossing of biomass and harvest index-source and sink-achieves genetic gains in wheat. *Euphytica* 213:257.
7. Muhammad Ali, Raziuddin, Iftikhar Hussain Khalil, Ibni Amin Khalil, Anwar-ul-Haq, Rafiullah Khan, Ghulamullah, **Monsif Ur Rehman** and Sanaullah Khan. 2016. Genetics of seed quality attributes in *Brassica napus* L. *Pure and Applied Biology*. 5(4):1230-1244.
8. Khan S.U., H.U. Rahman, M. Iqbal, G. Ullah, I.A. Khalil, M. Ali, I.M. Zaid, and **M.U. Rehman**. 2014. Combining ability studies in Maize (*Zea mays* L.) using populations diallel. *International J. Basic & Appl. Sci.* 14(1): 17-23.
9. Zaid I.M., H.U. Rahman, S. Khan, S.U. Khan, G. Ullah, **M.U. Rehman**, R. Ullah and N. Ahmad. 2014. Heterotic response of three-way cross maize hybrid for grain yield and yield components. *J. Agric. Sci. Appl.* 3(1): 24-29.

10. Muhammad Ali, Raziuddin, Ibni Amin Khalil, Naqib Ullah Khan, Sana Ullah Khan, Monsif Ur Rahman, Gul Ghani Afridi and Ghulamullah. 2014. Genetic analysis of yield and yield related attributes in Brassica napus. Pure and Applied Biology. 3(4): 175-187.
11. Ullah K., H.U. Rahman, M. Noor, **M.U. Rehman**, M. Iqbal and Sanaullah. 2013. Heritability estimates and yield performance of half sib families derived from maize variety sarhad white. Sarhad J. Agric. 29(1):29-32.

Poster/Abstracts/Short articles Published

1. **M.U Rehman**, M. Imtiaz, S. Asad, A. Munir and A.U.R Rattu. The status of Karnal bunt in Pakistani wheat seed. Annual Wheat Newsletter Vol. 63. Contribution no. 18-097-B from the Kansas Agricultural Experiment Station, Kansas State University, Manhattan.
2. M. Imtiaz, D. Marshall, Y. Jin, X. Chen, **M.U Rehman**, A.U.R Rattu et al. Enhancing and Protecting Wheat Productivity in Pakistan through National and International Collaboration. Poster publication. 13th International Wheat Genetics Symposium 23-28 April 2017, Tulln / Austria.
3. Asad S., **M.U. Rehman**, A. Munir, A.R. Rattu and M. Imtiaz. Wheat Karnal Bunt (*Tilletia indica*) in Pakistan and its implications for export. Poster publication, XIX International Workshop on Smuts and Bunts Izmir, Turkey-2016.
4. Khan F.U, F. Mohammad, **M.U. Rehman** and M. Imtiaz. Current and Future Prospects of Karnal Bunt in Pakistan. Poster publication, XIX International Workshop on Smuts and Bunts Izmir, Turkey-2016.
5. **M.U. Rehman**, S. Gale, M. Rouse, Y. Jin, Y. Rauf, A.R. Rattu, J.I. Mirza, R.Ward and M. Imtiaz. Seedling resistance to stem rust in Pakistani wheat landraces. Poster publication, BGRI 2015.
6. **M.U. Rehman**, M. Hussain, J. Ahmad, G. Ahmad, I.A. Shah, Y. Rauf, J.I. Mirza, M.M. Javaid, S. Masood and M. Imtiaz. Adult plant resistance to leaf rust and stripe rust in landraces. Poster publication, BGRI 2015.
7. A. Hussain, M. Imtiaz, R.U. Din, M. Qamar, G. Ahmad, **M.U. Rehman** and A. Ali. Scaling out seed of Ug99 resistant Wheat varieties to protect against stem rust in Pakistan. Poster publication, BGRI 2015.
8. A. Ali, M. Imtiaz, A. Hussain and **M.U. Rehman**. Comparative analysis of the rust resistant and rust susceptible wheat varieties in Pakistan. Poster publication, BGRI 2015.
9. Muhammad Abrar, Anjum Javed, Sadaf Shamim, Hira Shair, Javed Ahmed, Makhdoom Hussain, **M. U. Rehman** and Muhammad Imtiaz. Assessment of elite Pakistan Wheat lines for quality parameters. Poster publication, IWC 2015.
10. M. Noor, M. Imtiaz, M. Hussain, M. Nadeem, **M.U Rehman**, M. Reynolds, R.P Singh and J Poland. Evaluation and Selection of Wheat Lines for Biotic and Abiotic Stresses in Pakistan. Abstract Submitted to BGRI 2018.

11. **M.U Rehman**, Y. Jin, S. Bhavani, M. Imtiaz. Adult Plant Resistance to Stem Rust Race TTKSK (Ug99) in Pakistan Bread Wheat Genotypes. Abstract publication. 1st Aus-Pak International Conference on Wheat for Food Security, MNS-University of Agriculture, Multan, Pakistan, March 24-25, 2019.
12. **M.U. Rehman**, X.M. Chen, J.I. Mirza J. Ahmad, A.R. Rattu and M. Imtiaz. Pre-varietal -Release Testing of Pakistani Wheat Advanced Lines for Stripe Rust Resistance. Poster accepted in "1st International Wheat Congress (IWC-2019)", Canada.

CIMMYT Informas

1. **Monsif Ur Rehman**, Mohammad Noor, Amina Nasim Khan and Imtiaz Muhammad. Traveling Wheat Seminar Builds Farmer Capacity in Pakistan. **Informa No. 1931**. 20-24 April 2015.
 2. **Monsif Ur Rehman**, Amina Nasim Khan and Imtiaz Muhammad. First wheat improvement training course for young scientists held in Pakistan. June 24, 2015. [http://blog.cimmyt.org/first -wheat-improvement-training](http://blog.cimmyt.org/first-wheat-improvement-training).
 3. **Monsif Ur Rehman**, Amina Nasim Khan and Imtiaz Muhammad. Wheat Rust Expert Contributes to Resistance in Pakistan. **Informa No. 1942**. 13-17 July 2015
 4. Monsif-ur-Rehman, Imtiaz Muhammad, Amina Nasim Khan. WPEP's 2015 Annual Planning Meeting. **Informa No. 1952**. 19-23 October 2015.
 5. **Monsif Ur Rehman**, Imtiaz Mohammad, Amina Nasim Khan. WPEP Helps Farmers Produce Wheat Seed for a Food-Secure Future. **Informa No. 1955**. 09-13 November 2015.
 6. Monsif Ur Rehman, Attiq Ur Rehman, Krishna Dev Joshi, Imtiaz Muhammad, Amina Nasim Khan. CIMMYT Encourages Women Farmers in Pakistan to Grow Their Own Wheat. **Informa No. 1956**. 16-20 November 2015.
 7. **Monsif Ur Rehman**, Imtiaz Mohammad, Amina Nasim Khan. CIMMYT Upgrades Pakistan's National Germplasm Collection and Distribution Facility. **Informa No. 1959**. December 07 - 11, 2015.
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