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About me:

Associate Professor,
Department of Agronomy, University of Agriculture Faisalabad
Specialization: Agriculture and Rural development

● EDUCATION AND TRAINING

01/01/2007 – 01/01/2009 Guangzhou, China

DOCTOR OF PHILOSOPHY (PH. D) South China Agricultural University,

Address South China Agricultural University, Guangzhou, Guangzhou, China

01/01/2003 – 01/01/2006 Faisalabad, Pakistan

M.SC. (HONS.) AGRONOMY University of Agriculture Faisalabad, Pakistan.

Address University of Agriculture Faisalabad, Pakistan., Faisalabad, Pakistan

01/01/2012 – 01/01/2014 Islamabad, Pakistan

MBA (MARKETING) Allamma Iqbal open university

Address Allamma Iqbal open university, Islamabad, Islamabad, Pakistan

01/01/1999 – 01/01/2003 Multan, Pakistan

B.SC. (HONS.) AGRICULTURE University College of Agriculture, Bahaudin Zakariya University, Multan. Pakistan.

Address University College of Agriculture, Bahaudin Zakariya University, Multan. Pakistan., Multan, Pakistan

01/01/1995 – 01/01/1997 Pakpattan, Pakistan

FSC Govt. Faridia Degree College

Address Govt. Faridia Degree College Pakpattan, Pakistan., Pakpattan, Pakistan

01/01/1995 – 01/01/1997 Pakpattan, Pakistan

SSC Govt. Fazilka Islamia High School, Pakpattan, Pakistan

Address Govt. Fazilka Islamia High School, Pakpattan, Pakistan, Pakpattan, Pakistan

● ADDITIONAL INFORMATION

PUBLICATIONS

Mudassir, M.A., Rasul, F., Khaliq, T. and Yaseen, M., 2021. Conformance of sowing dates for maximizing heat use efficiency and seed cotton yield in arid to semi-arid cotton zone of Pakistan. *Environmental Science and Pollution Research*, pp.1-15.

2

Amin, Asad & Jatoi, Wajid & Mubeen, Muhammad & Sarwar, Saleem & Urich, Peter & Ahmad, Ashfaq & Wajid, Aftab & Khaliq, Tasneem & Rasul, Fahd & Hammad, Hafiz & Rehmani, M.I.A. & Mubarak, Hussani & Mirza, Nosheen & Wahid, Abdul & Ahmad, Shakeel & Fahad, Shah & Ullah, Abid & Khan, Mohammad & Ameen, Asif & Shoaib, Qazi. (2018). *Regional Climate Assessment for Temperature and Precipitation in Southern Punjab (Pakistan) using SimCLIM Climate Model for Different Temporal Scales*. Theoretical and Applied Climatology. 131. 121-131. 10.1007/s00704-016-1960-1.

3

Hafeez, Yousara & Iqbal, Sumera & Jabeen, Khajista & Shahzad, Sobia & Jahan, Summera & Rasul, Fahd. (2017). *Effect of biochar on seed germination and seedling growth of Glycine max (L.) MERR. Under drought stress*. Pakistan Journal of Botany. 49. 7-13.

4

Rasul, Fahd & Ahmad, Ashfaq & Arif, Muhammad & Mian, Ishaq Ahmad & Ali, Kawsar & Qayyum, Muhammad & Hussain, Qaiser & Aon, Muhammad & Latif, Shahzad & Sakrabani, Ruben & Saghir, Muhammad & Pan, Gen-Xing & Shackley, Simon. (2017). Biochar for Agriculture in Pakistan. 22. 57-114

5

Rahman, Muhammad & Ahmad, Ashfaq & Wajid, Aftab & Hussain, Manzoor & Rasul, Fahd & Ishaque, Wajid & Islam, Md & Shelia, Vakhtang & Awais, Muhammad & Ullah, Asmat & Wahid, Abdul & Sultana, Syeda & Saud, Shah & Baloch, Shahbaz & Fahad, Shah & Hussain, Saddam & Jatoi, Wajid. (2017). *Application of CSM-CROPGRO-Cotton Model for Cultivars and Optimum Planting Dates: Evaluation in Changing Semi-Arid Climate*. Field Crops Research. 10.1016/j.fcr.2017.07.007.

6

Muhammad Naveed Arshad, Ashfaq Ahmad, Aftab Wajid, Fahd Rasul, Tasneem Khaliq, Muhammad Awais, Hafiza Naheed Fatima: *Quantification of growth, yield and radiation use efficiency of sunflower at different irrigation and nitrogen levels under semi-arid conditions of Faisalabad*. Journal of agricultural research 12/2016; 54(4):647-656.

7

Fahd Rasul, Umair Gull, Muhammad Habib Ur Rehman, Qaiser Hussain, Hassan Javed Chaudhary, Amar Matloob, Sobia Shahzad, Sumera Iqbal, Vakhtang Shelia, Sanwal Masood, Hassan Munir Bajwa. 2016. Biochar an emerging technology for climate change mitigation. *Journal of Environmental & Agricultural Sciences*. 9: 37-43.

8

Amer Habib, Athar Mahmood, Waqas Raza Arshad, Muhammad Umer, Muhammad Bilal, Fand Rasul, Imran-ul-Haq, Muhammad Usman: *Crop losses and varietal response of sugarcane against red rot disease in Pakistan's Punjab province*. International Sugar Journal 07/2016; 118(1411):522-526.

9

Wajid Nasim, Hatem Belhouchette, Muhammad Tariq, Shah Fahad, Hafiz Mohkum Hammad, Muhammad Mubeen, Muhammad Farooq Hussain Munis, Hassan Javed Chaudhary, Imran Khan, Faisal Mahmood, Tauqeer Abbas, Fahd Rasul, Muhammad Nadeem, Ali Ahsan Bajwa, Najeeb Ullah, Fahad Alghabari, Shah Saud, Hussani Mubarak, Rafiq Ahmadshow Less: *Correlation studies on nitrogen for sunflower crop across the agroclimatic variability*. Environmental Science and Pollution Research 02/2016; 23(4):3658-3670., DOI: 10.1007/s11356-015-5613-1/fulltext.html

10

Muhammad Asif Kamal, Fahd Rasul, Ali Zohaib, Khalil Ahmad, Tasawer Abbas, Tassadduq Rasool, Muhammad Nawaz. (2016). Effect of NPK application at various levels on yield and quality of two rice hybrids. *Scientific Journal of Seoul Sciences*. 4. 14-19.

Muhammad Asif Kamal, Fahd Rasool, Ali Zohaib, Khalil Ahmed, Muhammad Nawaz. (2015). GROWTH RESPONSE OF RICE HYBRIDS TO DIFFERENT LEVELS OF NPK. International Journal of Modern Agriculture. 4.

A Matloob, A Khaliq, A Tanveer, F Rasul, A Wahid: *Thermal time accumulation and heat use efficiency of direct seeded fine aromatic rice*. Journal of Animal and Plant Sciences 04/2015; 25(3):755-762.

Mubbashar Shahbaz, Fahd Rasul, Aqeela Saghir, M Bilawal Junaid, Aqib Mahmood, Munir Ahmad. (2015). Bio-Economics and Radiation Use Efficiency of Basmati, Hybrid and Coarse Rice (*Oryza Sativa* L.) Varieties. International Journal of Research in Agriculture and Forestry. 2. 6-13.

Rahman, Muhammad & Ahmad, A & Khaliq, T & Mahmood, Nadeem & Rasul, Fahd & U Bashir, M & Awais, M & Wajid, Aftab & Habib, M & Rahman, Ur & Ahmad, Ashfaq & Khaliq, Tasneem & Mahmood, Nasir & Rasul, Fahd & Bashir, Muhammad & Awais, Muhammad & Hussain, Jamshad & Hooageboom, Gerrit. (2013). Simulating the Interactive Impact of Nitrogen and Promising Cultivars on Yield of Lentil (*Lens culinaris*) Using CROPGRO-legume Model. International Journal of Agriculture and Biology. 15. 1560-8530.

F Aslam, A Khaliq, A Matloob, R N Abbas, S Hussain, F Rasul. (2014). Differential allelopathic activity of *Parthenium hysterophorus* L. against canary grass and wild oat. Journal of Animal and Plant Sciences. 24. 2014-234.

Muzammal, Rehman & Khaliq, Tasneem & Ahmad, Ashfaq & aftab wajid, syed & Rasul, Fahd & Hussain, Jamshad & Hussain, Saddam. (2014). Effect of Planting Time and Cultivar on Soybean Performance in Semi-Arid Punjab, Pakistan.

Mehmood Zaffar, Muhammad Farooq Hussain Munis, Fahd Rasul, Sajid Masood, Syed Waqas Hassan, Muhammad Imran, Wajid Nasim, Ali Zakir, Umar Masood Quraishi, Hassan Javed Chaudhary. (2014). Biological Assays of plant extract from *Araucaria columnaris* and *Cycas revoluta*. Journal of Food Agriculture and Environment. 12.

Shenggang Pan, Fahd Rasul, Wu Li, Hua Tian, Zhaowen Mo, Meiyang Duan, Xiangru Tang: *Roles of plant growth regulators on yield, grain qualities and antioxidant enzyme activities in super hybrid rice (Oryza sativa L.)*. Rice 11/2013; 6(1):9., DOI:10.1186/1939-8433-6-9

M H U Rahman, A Ahmad, T Khaliq, N Mahmood, F Rasul, M U Bashir, M Awais, J Hussain, G Hooageboom, Aftab Wajid, M Habib, Ur Rahman, Ashfaq Ahmad, Tasneem Khaliq, Nasir Mahmood, Fahd Rasul, M Usman Bashir, Muhammad Awais, Jamshad Hussain, Gerrit Hooageboom: *Simulating the Interactive Impact of Nitrogen and Promising Cultivars on Yield of Lentil (Lens culinaris) Using CROPGRO-legume Model*. International Journal of Agriculture and Biology 11/2013; 15(1331-1336):1560-8530.

Abdul Khaliq, Amar Matloob, Muhammad Zahid Ihsan, Rana Nadeem Abbas, Zubair Aslam, Fahd Rasool: *Supplementing Herbicides with Manual Weeding Improves Weed Control Efficiency, Growth and Yield of Direct Seeded Rice*. International Journal of Agriculture and Biology 08/2013; 15(02):191-199.

Fahd Rasul: *Effect of different Fungicides on the incidence of Maize pathogen Helminthosporium maydis*. Jokull 06/2013; 2013(63)(6):qFU6k.

Salman Hafiz, Saeed, Fahd Rasul, Muhammad Sarfaraz, Muhammad Mubeen, Wajid Nasim. (2013). Allelopathic Potential Assessment of Jaman (*Syzygium cumini* L.) on Wheat. 3. 2224-5618.

23

Tasneem Khaliq, Muhammad Mubeen, Amjed Ali, Ashfaq Ahmad, Aftab Wajid, Fahd Rasul, Wajid Nasim. (2012). Effect of Diverse Irrigation Regimes on Growth Parameters and Yield of Cotton under Faisalabad Conditions. international poster journal of science and technology 2224-5618. 2. 81-85.

24

Mumtaz A. Cheema, M.A. Wahid, Abdul Sattar, F. Rasul, M.F. Saleem: *Influence of different levels of potassium on growth, yield and quality of canola (Brassica napus L.) cultivars*. Pakistan Journal of Agricultural Sciences 06/2012; 49(2):163-168.

25

M Farooq, Hussain Munis, Asghari Bano, Muhammad Aslam Chowdhry, Ashfaq Ahmad, Hassan Javed Chaudhary, Muhammadi, Fahad Rasul, Shakeel Ahmad, Tasneem Khaliq, Wajid Nasim: *Inheritance pattern of vital post-emergence morphometric and meristic traits of spring wheat*. Journal of medicinal plant research 05/2012; 6:3246-3253., DOI:10.5897/JMPR12.112

26

M T H Shahid, F A Khan, A Saeed, M Aslam, F Rasul: *Development of somaclones in sugarcane genotype BF-162 and assessment of variability by random amplified polymorphic DNA (RAPD) and simple sequence repeats (SSR) markers in selected red rot resistant somaclones*. AFRICAN JOURNAL OF BIOTECHNOLOGY 03/2012; 11(15): 3502-3513., DOI:10.5897/AJB11.2729

27

Amjed Ali, Tasneem Khaliq, Ashfaq Ahmad, Salman Ahmad, Asmat Ullah Malik, Fahd Rasul. (2012). Review Article How wheat responses to nitrogen in the field? A review. crop and environment 2221-0245. 2012.

28

Fahd Rasul. (2012). INFLUENCE OF DIFFERENT LEVELS OF POTASSIUM on growth and yield of canola. Pakistan Journal of Agricultural Sciences 2076-0906.

29

Muhammad Mubeen, Tasneem Khaliq, Ashfaq Ahmad, Amjed Ali, Fahd Rasul, Jamshad Hussain. (2012). Quantification of seed cotton yield and water use efficiency of cotton under variable irrigation schedules. crop and environment. 2012.

30

A Khaliq, A Matloob, N Ahmad, F Rasul, I U Awan: *Post emergence chemical weed control in direct seeded fine rice*. Journal of Animal and Plant Sciences 01/2012; 22(4).

31

F Rasul, M A Cheema, A Sattar, M F Saleem, M A Wahid: *Evaluating the performance of three mungbean varieties grown under varying inter-row spacing*. Journal of Animal and Plant Sciences 01/2012; 22(4).

32

Hassan Javed Chaudhary, Asma Zeb, Asghari Bano, Fahd Rasul, M Farooq, Hussain Munis, Shah Fahad, Wajid Naseem: *Antimicrobial activities of Sapium sebiferum L. belonging to family Euphorbiaceae*. Journal of medicinal plant research 11/2011; 5(24):5916-5919.

33

Cheema, W. Farhad, M. F. Saleem, H.Z. Khan, A. Munir, M.A Wahid, F. Rasul, H.M. Hammad. (2010). Nitrogen management strategies for sustainable maize production. Crop & Environment. 1. 49-52.

34

M F Saleem, M A Cheema, F Rasul, M F Bilal, S A Anjum, M A Wahid. (2010). Effect of Phosphorus on growth and yield of cotton. *crop and environment* 2221-0245.

35

M A Cheema, W Farhad, M F Saleem, H Z Khan, A Munir, M A Wahid, F Rasul, H M Hammad. (2010). Nitrogen management strategies for sustainable maize production. *Crop & Environment*. 1. 49-52.

36

Wang, X., Qadir, M., Rasul, F., Yang, G., & Hu, Y. 2018. Response of Soil Water and Wheat Yield to Rainfall and Temperature Change on the Loess Plateau, China. *Agronomy*, 8(7), 101.

37

Yang, G., Wang, X., Peng, Y., Rasul, F., Hu, Y., & Zou, T. 2018. Different micro-climate response of indica rice population to nitrogen fertilizer. *Plant, Soil and Environment*, 64(9), 407-412.

38

Wang, X., Yang, G., Qadir, M., Rasul, F., Peng, Y., & Hu, Y. 2018. Effects of Magnaporthe oryzae on Photosynthesis and Yield of Different Rice Genotypes. *INTERNATIONAL JOURNAL OF AGRICULTURE AND BIOLOGY*, 20(8), 1732-1740.

39

Arshad, M. N., Wajid, S. A., Ahmad, A., Rasul, F., Ahmad, H. R., Awais, M., & ur Rahman, M. H. 2018. Yield Forecasting and Spatial Analysis of Sunflower Productivity Using Geographic Information System. *Asian Journal of Geoinformatics*, 18(1).

40

Imran, M., Sun, X., Hussain, S., Ali, U., Rana, M.S., Rasul, F., Saleem, M.H., Moussa, M.G., Bhandana, P., Afzal, J. and Elyamine, A.M., 2019. Molybdenum-Induced Effects on Nitrogen Metabolism Enzymes and Elemental Profile of Winter Wheat (*Triticum aestivum* L.) Under Different Nitrogen Sources. *International journal of molecular sciences*, 20(12), p.3009.

41

ur Rahman, M.H., Ahmad, A., Wajid, A., Hussain, M., Rasul, F., Ishaque, W., Islam, M.A., Shelia, V., Awais, M., Ullah, A. and Wahid, A., 2019. Application of CSM-CROPGRO-Cotton model for cultivars and optimum planting dates: Evaluation in changing semi-arid climate. *Field Crops Research*, 238, pp.139-152.

42

Arif, M., Jan, T., Riaz, M., Fahad, S., Arif, M.S., Shakoor, M.B. and Rasul, F., 2019. Advances in Rice Research for Abiotic Stress Tolerance: Agronomic Approaches to Improve Rice Production Under Abiotic Stress. In *Advances in Rice Research for Abiotic Stress Tolerance* (pp. 585-614). Woodhead Publishing.

43

RAO, G.S., Ashraf, U., KONG, L.L., MO, Z.W., XIAO, L.Z., ZHONG, K.Y., Rasul, F. and TANG, X.R., 2019. Low soil temperature and drought stress conditions at flowering stage affect physiology and pollen traits of rice. *Journal of Integrative Agriculture*, 18(8), pp.1859-1870.

44

Jahan, S., Iqbal, S., Rasul, F. and Jabeen, K., 2019. Structural characterization of soil biochar amendments and their comparative performance under moisture deficit regimes. *Arabian Journal of Geosciences*, 12(6), p. 203.

45

Wang, X., Samo, N., Li, L., Wang, M., Qadir, M., Jiang, K., Qin, J., Rasul, F., Yang, G. and Hu, Y., 2019. Root Distribution and Its Impacts on the Drought Tolerance Capacity of Hybrid Rice in the Sichuan Basin Area of China. *Agronomy*, 9(2), p.79.

47

Wang, X., Samo, N., Zhao, C., Wang, H., Yang, G., Hu, Y., Peng, Y. and Rasul, F., 2019. Negative and Positive Impacts of Rape Straw Returning on the Roots Growth of Hybrid Rice in the Sichuan Basin Area. *Agronomy*, 9(11), p.690.

48

Chen, D., Huang, Y., Shen, D., Zhou, W., Ao, J., Jiang, Y., Huang, Z., Munir, H. and Fahd, R., 2019. Effects of Seaweed Extracts on Promoting Growth and Improving Stress Resistance in Sugarcane. *Asian Agricultural Research*, 11(1812-2019-3316), pp.69-76.

49

Yousaf, M.T.B., Nawaz, M.F., Khawaja, H.F., Gul, S., Ali, S., Ahmad, I., Rasul, F. and Rizwan, M., 2019. Ecophysiological response of early stage Albizia lebbeck to cadmium toxicity and biochar addition. *Arabian Journal of Geosciences*, 12(4), p.134.

50

Bilal, A., Ahmad, A., Rasul, F. and Murtaza, G., 2019. Optimization of the sowing time for Bt cotton production in Punjab, Pakistan. *Pakistan Journal of Agricultural Sciences*, 56(1).

51

Ramay, A.F., Khalid, M.Z., Rasul, F., Jie, G., Afzal, M.U. and Aslam, M.M., 2020. Influence of Seedling Age and Nitrogen Rates on Productivity of Hybrid Rice (*Oryza sativa* L.). *Agriculture, Forestry and Fisheries*, 9(1), p.22.

52

Arif, M., Jan, T., Munir, H., Rasul, F., Riaz, M., Fahad, S., Adnan, M. and Mian, I.A., 2020. Climate-Smart Agriculture: Assessment and Adaptation Strategies in Changing Climate. In *Global Climate Change and Environmental Policy* (pp. 351-377). Springer, Singapore.

53

Imran, M., Sun, X., Hussain, S., Ali, U., Rana, M.S., Rasul, F., Shaukat, S. and Hu, C., 2020. Molybdenum application regulates oxidative stress tolerance in winter wheat under different nitrogen sources. *Journal of Soil Science and Plant Nutrition*, 20(4), pp.1827-1837.

54

Arif, M., Jan, T., Riaz, M., Fahad, S., Adnan, M., Ali, K., Mian, I.A., Khan, B. and Rasul, F., 2020. Biochar; a Remedy for Climate Change. In *Environment, Climate, Plant and Vegetation Growth* (pp. 151-171). Springer, Cham.

BOOKS

Super Hybrid Rice

Fahd Rasul, tang xiang ru, li wu: *super hybrid rice*. 1ST edited by ALINA, 01/2012; <http://www.amazon.co.uk/Super-Hybrid-rice-Cultivation-regulations/dp/3659192058>, ISBN: 978-3-659-19205-0

BOOKS CHAPTERS

1

Fahd Rasul, Ashfaq Ahmad, Muhammad Arif, Ishaq Ahmad Mian, Kawsar Ali, Muhammad Farooq Qayyum, Qaiser Hussain, Muhammad Aon, Shahzad Latif, Ruben Sakrabani, Muhammad Saghir, Genxing Pan, and Simon Shackley. *Biochar for Agriculture in Pakistan. 2017. Sustainable Agriculture Reviews 22, Chapter 4, Pages57-114, Springer International Publishing*. ISBN: 978-3-319-48005-3, DOI:10.1007/978-3-319-48006-0_4

2

Ashfaq Ahmad, Muhammad Ashfaq, Ghulam Rasul, Syed Aftab Wajid, Tasneem Khaliq, **Fahd Rasul**, Umer Saeed, Muhammad Habib ur Rahman, Jamshad Hussain, Irfan Ahmad Baig, Syed Asif Ali Naqvi, Syed Ahsan Ali Bokhari, Shakeel Ahmad, Wajid Naseem, Gerrit Hoogenboom, Roberto O. Valdivia: *Impact of Climate Change on the Rice-Wheat Cropping System of Pakistan*. Handbook of Climate Change and Agroecosystems, Edited by Cynthia Rosenzweig (Columbia University, Daniel Hillel (Columbia University, 04/2015: chapter 7: pages 219-258; World Scientific., ISBN: 978-1-78326-563-3, DOI:10.1142/9781783265640_0019

3

Arif, M., Jan, T., Munir, H., **Rasul, F.**, Riaz, M., Fahad, S., Adnan, M. and Mian, I.A., 2020. Climate-Smart Agriculture: Assessment and Adaptation Strategies in Changing Climate. In *Global Climate Change and Environmental Policy* (pp. 351-377). Springer, Singapore.

4

Munir, H., **Rasul, F.**, Ahmad, A., Sajid, M., Ayub, S., Arif, M., Iqbal, P., Khan, A., Fatima, Z., Ahmad, S. and Khan, M.A., 2020. Diverse uses of cotton: From products to byproducts. *Cotton Production and Uses*, pp. 629-41

FOREIGN VISITS

1

Visited Hunan hybrid rice research Institute, Changsha, **CHINA** for a 20 days training for “**2012**-Hybrid rice technology training course”, established relationship for future hybrid rice research collaborations.

2

Attended the training course at IARTC, IZMIR, **TURKEY** from 13-17 May, **2013** for a training course on “Agricultural mechanization and information technologies”.

3

Participated in “South Asian regional workshop on AgMIP (Agricultural model inter-comparison and improvement project) held at Kathmandu, **NEPAL** in July, **2013**.”

4

Presented in the Workshop on “Climate change mitigation and Agricultural productivity” hosted by APO, JAPAN and ADBI(Asian development bank institute), held at Colombo, **SRILANKA**, from 24th August to 1st September, **2013**.

5

1- Selected for the 5th SCO National Academies of Sciences Summer School for Young Scientists on Remote Sensing Technology and Applications in Kashgar, **China** from 20 July - 6 August, **2014**.

PROJECTS

1 Principal investigator of Project “Quantifying the transmission routes of gastroenteritis in Pakistan and developing targeted interventions” sponsored by UK Research and innovation (UKRI), Worth 393000 British Pound for three years project.

2 Principal investigator of “Rezoning the agro-ecological zones for sustainable sugarcane production in Punjab”, sponsored by Sugarcane research and development board (SRDB) worth 6.99 million PKR

3 A British council grant for project titled “**Biochar** for climate friendly Agriculture: Shifting paradigms towards higher precision and accuracy” as Principal investigator, worth 5.63 million PKR was executed. **Two international workshops** were conducted under this project **1st**- 24-27 march, 2014 and **2nd** on 12th May, 2014.

4 Agricultural models inter-comparison and improvement project (AgMIP) “Assessing climatic vulnerability and projecting crop productivity using integrated crop and economic modeling techniques”. Working as “Outreach Organizer”. This involves event management and I have organized an international workshop in June 4-6, 2013 and 2nd Workshop was organized from 16-17, January 2014.

5 Climate smart agriculture for steering food security by fostering cropping intensity in seasonal gaps”. Approved for funding by USPCAS, USA. Pk. RS 3.2 million.(Co-PI)

PROFESSIONAL CERTIFICATIONS AND TRAININGS

1

Global GAP (Good Agricultural practices) certification training by Bureau Veritas. One week, Training of trainers under supply chain improvement project govt. of Punjab.

2

International Featured standards(IFS) modules on food, logistics, Broker standards by Bureau Veritas from 7-11 January 2013.

3

Integrated food security Phase Classification(IPC) Training By UN-FAO at PC Bhurban from 26 feb-3march 2013.

4

Water Policy modeling training. By IFPRI (International food policy research institute) Washington D.C. held at University of Agriculture Faisalabad. 5 days training.

5

Remote Sensing and Digital Image Processing. Organized by Directorate of Research/Department of Irrigation and Drainage University of Agriculture Faisalabad. Funded by Endowment fund, UAF and USDA. From 29 November to 26th December, 2010.

6

EU-Asia Link Project in Collaboration with Humboldt Universitat Zu Berlin, Germany and University of Agriculture Faisalabad.

7

Livestock Ecology, Sustainable Land Use and Livestock systems. From January 12 to January 24, 2004.

8

Remote sensing training held at SUPARCO, Islamabad, from 9-14 June, 2013.

9

Summer school training on "Remote Sensing Technology and Applications" in Kashgar, **China** from 20 July - 6 August, **2014**

PROFESSIONAL MEMBERSHIP

1

Lifetime member of Pakistan Society of Agronomy. Member of Soil science society of Pakistan. Member of Pakistan botanical society. Member of editorial board Journal of Environmental Agricultural Sciences (JEAS), Serving as LR (Local representative) of YPARD Pakistan (Young professionals in agricultural research and development) subsidiary of FAO, Rome, Italy, Member of Global DSSAT community.

2

Chairperson Pakistan Biochar Initiative, Member Pakistan Science Club. <https://paksc.org/our-members/166-fahd-rasul>

POPULAR ARTICLES

20 articles on the latest agricultural technologies published for farmers

<https://www.technologytimes.pk/2018/07/23/sugarcane-yield-forecasting-in-pakistan-with-models-and-remote-sensing/>

<https://www.technologytimes.pk/2017/11/27/turn-challenges-opportunities/>

<https://www.technologytimes.pk/2014/03/20/cotton-yield-enhancement-by-application-of-growth-promoters/>
<https://www.technologytimes.pk/2014/07/06/biochar-an-option-to-mitigate-climate-change/>
<https://www.dawn.com/news/1100990/adb-assistance-for-greenhouse-gas-reduction> (Comment)
<http://edgegroup.com.pk/sugarcane-future-in-pakistan/>
<https://www.technologytimes.pk/2020/06/27/no-silver-bullet-to-climate-crisis/>

REFERENCES

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