

CURRICULUM VITAE



Dr. SHOAIB UR REHMAN
ASSISTANT PROFESSOR,
Institute of Horticultural Sciences,
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Academic education

2009 -2014	Ph.D Organic Agriculture, University of Kassel, Germany
Title	Nutrient fluxes and resource use efficiency in urban and peri-urban agriculture of Faisalabad, Pakistan
1996 -1998	M. Sc. (Hons) Horticulture, University of Agriculture, Faisalabad, Pakistan
1991-1996	B. Sc. (Hons) Agriculture, University of Agriculture, Faisalabad, Pakistan
1989-1991	Intermediate (Pre-medical), Board of Intermediate & Secondary Education, Faisalabad, Pakistan
1986-1988	Secondary school (Matriculation in science) Board of Intermediate & Secondary Education, Sargodha, Pakistan

Professional career

Sept 06, 2023	Assistant Professor UAF Sub-Campus Okara
Since May 2004	Lecturer (Institute of Horticultural Sciences), University of Agriculture, Faisalabad, Pakistan
From Jan 2000 to April 2004	Farm Manager (Haji Sons Chiniot) Pakistan

Consultancy Services

Consultant Tunnel Technology, Government of the Punjab (Khadme-i- Alla, Punjab, Kissan Package 2018-2020)

“Promotion of High Value Agriculture through Provision of Climate Smart Technology Package”, (Solar, Drip irrigation and Tunnel Technology)

In-charge Orchard PARS
Professional interest

2004 to 2010 and 2014 to 2017

My primary research interests encompass identifying different production technologies to mitigate ongoing climate changes in various agro-eco systems for a sustainable vegetable production especially through **tunnel farming system**, nutrient use management in rhizosphere and resource use efficiency in urban and peri-urban agriculture (UPA) systems.

Distinctions

- ✓ PhD Scholarship under Faculty Development Programme, University of Agriculture, Pakistan with collaboration DAAD, at University of Kassel, Germany
- ✓ Establishment of Landscape designs at UAF Constituent College Okara

Certificates of Honour / Appreciation

- ✓ Certificate of Honour (Agrarian Society, UAF)
- ✓ Certificate of Appreciation (Flower show UAF 2008, 2009, 2010, 2015)
- ✓ Letter of appreciation for joint farmer seminar on Potato on Sept 21, 2014, 2022, 2023 at Okara, Pakistan

Research paper published (last six years)

1. Anjum, S., Tabassam, I., Sarwar, M., Hussain, T., **Rehman, S.U.**, Maqsood, S., Ashraf, M.I., Ashfaq, M. and Ali, Q. **2026**. Sustainable approaches to alleviate salinity stress in two fenugreek cultivars through moringa leaf extract and salicylic acid. Plant Biosystem. 160:185.
Access on line 20-07-2026 (Impact factor 1.9)
2. Jianhui, Li., Hanif, M., Azam, M., Khan, M. A., Umar, M. A., Chaudhary, B., Hussain, I., Khan, T. A., **Rehman, S.U.**, Awais, M., Ilay, R., Liu and Lyu, Y. **2025**. Effects of neem leaf extract on physiochemical traits and antioxidant activity of peach fruit during storage. Journal of Stored Products Research. 111 102555.
Access online <https://doi.org/10.1016/j.jspr.2025.102555> (2.4 impact Factor)
3. Ullah, R., Siddique, A., **Rehman, S.U.**, Kamran, M., Abbas, H.T., Khalid, M.A., Afzal, M.R., Jabbar, E., Sohail, M.I. **2024**. Mitigation of drought stress in Zea mays L. through plant growth-promoting rhizobacteria assisted by foliar sorghum water extract. Acta Physiologiae Plantarum. 46(65) 1-14.
Access online <https://doi.org/10.1007/s11738-024-03690-4> (2.4 impact factor)
4. Li, J., Azam, M., Noreen, A., Umer, M.A., Ilahy, R., Akram, M.T., Qadri, R., Khan, M.A.; **Rehman, S.U.** and Hussain, I. **2023**. Application of Methyl Jasmonate to Papaya Fruit

Stored at Lower Temperature Attenuates Chilling Injury and Enhances the Antioxidant System to Maintain Quality. *Foods* 2023, 12, 2743.

Access on line <https://doi.org/10.3390/foods12142743> (5.2 impact factor)

5. Ul-Allah, S., Hussain, S., Mumtaz, R., Naeem, M., Sattar, A., Sher, A., Ijaz, M., Azeem, A., Hasan, Z., Ahmad, K., Rehman, A., Hussain, I., Abass, N., **Rehman, S.U.**, Alharbi, S.A., Alfaraj, S., Ansari, S. **2023**. Phenotypic characterization of wheat germplasm for heritability and dissection of association among post anthesis traits under variable sowing dates. *Journal of King Saud University – Science* 35, 102578. (<http://creativecommons.org/licenses/by-nc-nd/4.0/>).
6. Siddiqui, Z.M., Ali, M., **Rehman, S.U.**, Iqbal, S., Rehman, M.R., Khan, M.T., Ali, M., Nawaz, A and Ayyub, A. **2023**. Exploring the genetic diversity of *Citrullus vulgaris* L. against salinity stress. *Journal of Innovative Sciences*. Accepted id no: MH 20211211081218-R2. (Y category)
7. Mumtaz, A., Sammad, A., Farooq, A., Samiullah, K., Khan, S., Gulshan, A.B., Istiaq, I., Atta, I.M and **Rehman, S.U.** **2023**. Impact of In-Ovo inoculation of Aloe Vera (L.) Burm. f Medicinal Plants leaf extracts on Pre-hatching Growth Responses of Embryo of Broiler Chickens. *G U journal of phytosciences*. 3 (3). 000-000. Available online at <https://jphytosci.com/index.php/GUJP>.
8. Nazar, M., Ayyub, C.M., Rehman, M.A., **Rehman, S.U** and Ayyub, Saqib. **2020**. Amelioration of Thermo-Tolerance Ability in *Spinacia oleracea* L. Cultivars by Foliar Application of Chitosan. *Journal of Innovative Sciences*. 6(2): 197-205. Open access at <http://dx.doi.org/10.17582/journal.jis/2020/6.2.197.205>.
9. **Rehman, S.U.** **2019**. Major nutrient fluxes and water use efficiency of winter vegetables under peri-urban farming of north-western Punjab, Pakistan. *Pakistan Journal of Botany*. 51(5) 1-7.
10. Noor, R.S., Wang, Z., Umair, M., Yaseen, M., Ameen, M., **Rehman, S.U.**, Khan, M.U., Imran, M., Ahmad, W. And Sun, Y. **2019**. Interactive effects of grafting techniques and scion-rootstock combination on vegetative growth, yield and quality of Cucumber (*Cucumis sativus*, L.). *Agronomy*, 9(1) 288.

Research projects.

No.	Project title		Funding agency	Amount (Rs.	Status	Position
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				millions)		
1	Establishment of Farming Facility for Vegetables, at Proka Farms of University of Agriculture, Faisalabad”	2010 To 2013	EFS UAF	3.0	Completed	Co PI
2	Documenting and mitigating the impact of pesticides and heavy metal residues on vegetables	2010 to 2013	PARB	19.5	Completed	Co PI
3	Kitchen Gardening For Flood Affected People	2010	EFS under Outreach Programme	1.5	Completed	PI
4	Promotion of High Value Agriculture through Provision of Climate Smart Technology Package (Solar, Drip and Tunnels)	2017-2020	Punjab government through Water Management Department	90	Completed	Consultant
5	Introduction of nutrient efficient approach in tunnel farming system equipped with solar powered drip fertigation	2023	NRPU Under HEC	6.312	In Progress	PI

TEACHING COURSES

1-Hort-403	Home Gardening	3(2-1)	Major
2-Hort-503	Principles of Vegetable Production	3(2-1)	Major
3-Hort-504	Vegetable Production	3(2-1)	Major
4-Hort-505	Ornamental Horticulture	3(2-1)	Major
5-Hort-506	Landscape Plants	3(2-1)	Major
6-Hort-607	Propagation and Nursery Management	3(2-1)	Major
7-Hort-517	Innovative technologies for Vegetable Production	2(1-1)	Elective
8-Hort-706	Mineral Nutrition of Horticultural Crops	3(2-1)	Major
9-Hort-713	Advances in Vegetable Science	3(2-1)	Major
10-Hort-717	Environmental Horticulture	3(2-1)	Major

Trainings participation

- 1- Coordinator and resource person, Training of Trainer's Programme for Agri. Experts Network. Organized by SMEDA 18th to 20th July, 2008.
- 2- Research Methodology and analytical Techniques held on August 13th to 27th 2007.
- 3- One day workshop on Supercritical Fluid Extraction Technology for High Value Non-traditional Crops held on Oct 21, 2008.
- 4- Coordinator and resource person for one day seminar on productivity enhancement in Tunnel Farming through High Efficiency Irrigation System Sponsored by Dadex drip irrigation system Karachi on Oct 22.2008
- 5- Coordinator for Training course on Poly tunnel Farming a joint venture by Agribusiness Support Fund and UAF on Feb,02 to 07,2009,
- 6- Training course on the safety measures in the use of radiation in agriculture & biology at NIAB Faisalabad. [Vide letter no. PS-7(24)2003/2145 DATED 24-02-2006]
- 7- Training course on "Experimental Design and Data Analysis Using SAS" at University of Veterinary and Animal Sciences, Lahore on 18-23, 2011.
- 8- Organizer, Training course on Poly-tunnel Farming for Baluchistan Chapter, Organized by Office of Research, Innovation and Commercialization (ORIC) on March, 2016. University of Agriculture, Faisalabad.
- 9- Organizer, Training course on Off-Season vegetable production through Tunnel Technology, Organized by Office of Research, Innovation and Commercialization (ORIC) on April, 2017. University of Agriculture, Faisalabad.
- 10- Organizer, Training course on Off-Season vegetable production through Tunnel Technology, Organized by Office of Research, Innovation and Commercialization (ORIC) on March, 2018. University of Agriculture, Faisalabad.
- 11- Popular talk and farmer training through project "Strengthening vegetable value chain in Pakistan for better livelihood benefits" sponsored by Australian Center for international Agriculture Research on Oct 2018 to Feb, 2019 at 24 L Depalpur Okara.
- 12- Resource person at one week training course on "Vegetable Cultivation under Tunnel and HEIS" organized at Water Management Training Institute, Thokar Nia Baig on October 29, 2018.
- 13- Resource person at one day training of trainers (TOT) under the project titled "Establishment of model farms linked with improved supply chain and value addition" at UAF Sub-Campus Depalpur, Okara on 10-10-2018.

Country visit

Germany, United Kingdom, Switzerland, France