

CURRICULUM VITAE



PROFESSIONAL INFORMATION

Name	Dr. Shakeel Hussain Chattha
Postal Address	Assistant Professor, Department of Farm Structures, Faculty of Agricultural Engineering, Sindh Agriculture University, Tandojam, Pakistan.
Date of Birth	March 1, 1984
Cell Phone	+923183066322
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N.I.C.No.	41308-7029841-7
Passport No.	CD4178411
Nationality	Pakistani
Religion	Islam
Domicile	Hyderabad
Marital Status	Married
Language Proficiency	English, Urdu, Sindhi
Computer Skills	Microsoft Office & AutoCAD

EDUCATION

Degree/certificate	Year of Passing	Grade/ Division	% of Marks	Board/University
Metric	1999	2 nd division	54.82	B.I.S.E, Hyderabad
Inter	2001	2 nd division	59.91	B.I.S.E, Hyderabad
B.E (Agriculture)	2007	1 st division First Position	82.58	Sindh Agriculture University Tandojam
M.E (Farm Structures)	2011	1 st division First Position	87.10	Sindh Agriculture University Tandojam
PhD (Farm Structures)	2015	1 st division	--	Universiti Putra

AWARDS/RECOGNITION

No.	Name of awards	Title	Award Authority	Year
1.	Gold Medal	1 st position in B.E (Agriculture)	Sindh Agriculture University Tandojam	2007
2.	Silver Medal	1 st position in M.E (Farm Structures)	Sindh Agriculture University Tandojam	2011

AREAS OF INTEREST

1. Postharvest quality and handling of agricultural commodities
2. Agricultural process engineering
3. Referegeration and thermal process engineering
4. Design of grain storage structures and livestock sheds
5. Food packaging

APPOINTMENTS

1. **Lecturer** (BPS-18), Department of Farm Structure, Sindh Agriculture University, Tandojam, 1 July, 2008 to 30 November, 2015.
2. **Assistant Professor** (BPS-19), Department of Farm Structure, Sindh Agriculture University, Tandojam, 1 December, 2015 to date.

PROFESSIONAL MEMBERSHIP

1. Pakistan Engineering Council, AGRI/2699, Aug.1, 2008.

TRAINING AND CERTIFICATES

1. Training on the application of Modern Statistical Techniques in Agriculture and Animal Sciences sponsored by Higher Education Commission Pakistan Learning Innovation Division held at Sindh Agriculture University, Tandojam, March 9-14, 2009.
2. Two days training Workshop on Statistical Programming with R Organized by Laboratory of Statistical Services and Computing Institute for Mathematical Research (INSPEM) Held at Computer Laboratory, Faculty of Medicine & Health Science, University Putra Malaysia, 31 January- 1 February 2013.
3. Five days training on Application of GIS / RS for Agro Ecological Zones (AEZ) Formation organized by Food and Agriculture Organization (FAO) of United Nations and Sindh Agriculture University Tandojam, 2-6 July, 2018.
4. Two days training of Presiding Officers & Senior Assistant Presiding Officers General Elections- 2018 organize by the Election Commission of Pakistan.

5. One day Training workshop on HEC Plagiarism Policy and Effective Usage of Turnitin Service organized by PASTIC, PSF and SAU, held at Computer Laboratory, Faculty of Agricultural Engineering, Sindh Agriculture University, Tandojam, 16 April, 2019

RESEARCH PUBLICATIONS

1. S.A. Soomro, Almani, S. , Bux L., K. A.Ibupoto, M. S. Memon , F.A. Chandio, **S.H. Chattha**,. (2021). Mathematical Modeling and Optimization of Physical Properties of Paddy as Influenced by Drying. *Pakistan Journal of Agricultural Research*, 34 (2): 337-345
2. Syed A.A., Z.A. Khan, **S. H. Chattha**, I.A. Shaikh, M. N. H.A. Ali, Z.R. Bughio, S. H. Dahri and G.B. Buriro. (2021). Comparative Assessment of Hydroponic and Geoponic Cultivation Systems for Sustainable Spinach Cultivation. *Pakistan Journal of Agricultural Research*, 34(4): 678-688.
3. **S.H.Chattha**, B.N.Mirani, S.A. Soomro, K.A. Ibupoto & Z.A. Khan. (2020). Storage performance of forced ventilated, natural ventilated and traditional methods on the quality of onion bulbs. *Journal of Pure and Applied Agriculture* 5(2): 34-41.
4. Z.A. Khan, **S.H. Chattha**, K.A. Ibupoto, S. A. Soomro and I. Arshad. (2019). Thermal treatments for enhancing the dormancy of cotton seed. *Pure and Applied Biology* 8(3): 1999 – 2006
5. Ajeet K. K., K.A. Ibupoto, **S. H. Chattha**, S.A. Soomro & H.R. Mangio. (2019). Effect of hot water treatments and storage period on the quality attributes of banana (*Musa sp.*) fruit. *Pure and Applied Biology* 8(1): 363-371
6. Abro T.F., M.R. Yousop, Z.A. Soomro., A. W. Baloch, **S.H. Chattha**. (2018). Genome wide analysis of recurrent parent genome recovery in different backcross populations for blast resistance through SSR markers in rice. *Pakistan Journal of Botany* 51(6): 1-10
7. Ali, M.N.H.A., L.A. Jamali, S. A. Soomro, **S.H. Chattha** & K.A. Ibupoto. (2018). Post-Harvest Losses and Control of Unprocessed Sugarcane. *Pakistan Journal of Agricultural Research* 31(4): 355- 360
8. **S.H.Chattha**, B.N.Mirani, H.R.Mangio, G.M.Khushk. (2018). Comparative study of different storage methods for postharvest preservation of wheat grain. *Science, Technology and Development*. 37 (1): 1-5.
9. **S.H.Chattha**, B.N.Mirani, S.A.Soomro, K.A.Ibupoto, I.A.Shaikh, H.R.Mangio, G.M.Khushk. (2017). Study on Cultivators Associating Post Harvest Losses of Onion Vegetable in Sindh's Mirpurkhas District. *Journal of Basic and Applied Sciences*13:426- 430.
10. **Chattha, S.H.**, Hasfalina, C.M., Mirani, B.N., Mahadi, M.R. Lee, T.S. (2017). Food grain losses associated with indigenous storage methods and development of storage facilities for food security. *International Food Research Journal* 23:57-63.

11. Shaikh A, M.A. Mangrio, M.S.Mirjat, **S.H.Chattha**, S.A.Memon & G.M.Khuskh. (2016). Computation of reference evapotranspiration for arid region through mass transfer. *International Journal of Agriculture and Applied Sciences*. 8 (1): 35- 41
12. **Chattha, S.H.**, Hasfalina, C.M., Mahadi, M.R., Mirani, B.N. and Lee, T.S. (2015). Quality change of wheat grain during storage in a ferrocement bin. *ARPN Journal of Agricultural and Biological Science* 10 (8): 313- 323.
13. **Chattha, S.H.**, Hasfalina, C.M., Lee, T.S., Mirani, B.N. and Mahadi, M.R. (2015). A study on the quality of wheat grain stored in straw-clay bin. *Journal of Biodiversity and Environmental Sciences* 6 (1): 428- 437.
14. **Chattha, S.H.**, Hasfalina, C.M., Mahadi, M.R., Mirani, B.N. and Lee, T.S. (2015). Traditional storage methods and their effect on quality characteristics of wheat grain in Sindh, Pakistan. *CIGR Journal Agricultural Engineering International*. 17(4): 364-370.
15. **Chattha, S.H.**, Hasfalina, C.M., Lee, T.S., Mirani, B.N. and Mahadi, M.R. (2015). Effective and economic storage of wheat seed in straw-clay bin. *International Journal of Biosciences* 6 (3): 83- 93.
16. **Chattha, S.H.**, Hasfalina, C.M., Mahadi, M.R., Mirani, B.N. and Lee, T.S. (2015). A comparative study of the quality of wheat grain stored in straw-clay, concrete block and ferrocement bins. *Journal of Biodiversity and Environmental Sciences* 6 (3): 73-83.
17. **Chattha, S.H.** and Lee, T.S. (2014). Storage methods and problems of wheat grain at Sindh, Pakistan. *International Journal of Biosciences* 5 (7): 260- 274.
18. **Chattha, S.H.**, Lee, T.S., Mirani, B.N. and Hasfalina, C.M. (2014). Effects of storage methods, storage duration and different geographical locations on quality of stored wheat (*Triticum aestivum*) in Sindh, Pakistan. *Journal of Biodiversity and Environmental Sciences* 5 (4): 378- 392.
19. **Chattha, S.H.**, K.A. Ibupoto, M.H. Laghari, L.A. Jamali and A.A.K. Baraich. (2014). Effect of different packing materials and storage conditions on the quality of wheat grain. *Pakistan Journal of Agriculture, Agricultural Engineering, Veterinary Sciences*. 30 (2): 195- 204.
20. **Chattha, S.H.**, Hasfalina, C.M., Lee, T.S., Mirani, B.N. and Mahadi, M.R. (2014). Impact of concrete block bin on wheat storage losses and food security. *Journal of Biodiversity and Environmental Sciences* 5 (6): 248- 257.
21. **Chattha, S.H.**, L.A. Jamali, K.A. Ibupoto and H.R. Mangio. (2012). Effect of different packing materials and storage conditions on the viability of wheat seed (TD-1 Variety). *Jr. of Sci., Tech. and Dev.*, 31 (1): 10-18.
22. L.A. Jamali, K.A. Ibupoto, **S.H. Chattha** and R.B. Laghari. (2012). Study on physiological weight loss in onion varieties during storage. *Pakistan Journal of Agriculture, Agricultural Engineering, Veterinary Sciences*. 28 (1): 1-7.

23. Baraich, A.A.K., A.H.K. Baraich, **S.H. Chattha** and A.U. Salarzi. (2012). Impact of Phosphorus and Potassium on the Growth and Yield of Wheat Cv. Mehran-89. *Pakistan Journal of Agriculture, Agricultural Engineering, Veterinary Sciences*. 28 (1): 8-14
24. L.A. Jamali, M.K. Khattak, M.B. Jamali, **S.H. Chattha** and G.S. Bughio. (2011). Technology and Its Impact on Agriculture Production. *Int. Jr. Life Sciences*. 5(2): 2022-2025.
25. **Chattha, S.H.**, L.A. Jamali, S. Kumar and K.A. Ibupoto. (2010). A Comparative Study of Seepage Losses and Conveyance Efficiencies between Selected Unlined and Lined Water Courses. *Int. Jr. Life Sciences*. 4(4): 1874-1877.
26. L.A. Jamali, S. Kumar, **S.H. Chattha** and M.H. Khan. (2010). Study of the Physical Properties of Wheat Seeds. *Int. Jr. Life Sciences*. 4(4):1966-1968.

CONFERENCE PROCEEDINGS

1. Jamali, L.A, K.A.Ibupoto and **S.H .Chattha**. (2012). Effects of Salt Leaching on Soil under Different Irrigation Amounts & Intervals. Sixteenth International Water Technology Conference, IWTC 16 2012, Istanbul, Turkey.
2. **Chattha, S.H.**, Hasfalina, C.M., Mahadi, M.R., Mirani, B.N. and Lee, T.S. (2015). Food grain losses associated with indigenous storage methods and development of storage facilities for food security. *7th International Conference on Sustainable Agriculture for Food, Energy and Industry in Regional and Global Context*.

STUDENT SUPERVISION

M.E

No.	Name	Title	Status
1.	Abid Ali	Effect of bio-preservative and storage conditions on post harvest quality of mango	Completed
2.	Ejaz Ahmed	Effect of storage methods, storage periods and bulb size on quality of stored onion	completed
3.	Ajeet Kumar	Effect of post harvest treatments and storage period on the physico-chemical properties, quality and shelf life of banana	Completed
4.	Rafique Ahmed	Effect of storage time, storage methods and post harvest treatments on quality of tomato fruits	Ongoing
5.	Sadam Hussain	Design, construction and performance testing of a solar dryer for drying maize cobs	Completed
6.	Ali Hassan	Experimental study on drying of red chillies in	Completed

solar and open sun drying methods

7.	Sajjad Ali	Development and evaluation of a zero energy cold storage structure for tomato storage	Ongoing
8.	Shoeb Ahmed	Effects of expanded polystyrene (EPS) particles on physico-mechanical properties of lightweight concrete	Ongoing
9.	Fahad Raza	Construction and evaluation of a grey water treatment filter	Ongoing
10.	Nisar Ahmed	Development and evaluation of bio sand filter for the canal water treatment	Ongoing

PhD

No.	Name	Title	Status
1.	Zaheer Ahmed	Development of storage structures and assessment of their influence on wheat grain quality	Ongoing
