

## Faculty Member's Profile

	<b>Dr. Shakeel Hussain Chattha</b>	
	<b>Assistant Professor</b>	
	<b>PhD. (Farm Structures) University Putra Malaysia, 2015</b>	
	<b><u><a href="#">Department of Farm Structures</a></u>, <u><a href="#">Faculty of Agricultural Engineering</a></u></b>	
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<b>HEC Approved Supervisor</b>	--	

### **Description:**

Self-motivated individual with strong interpersonal and problem solving skills seeking a position that allows me to utilize my creative skills and board technical capabilities to design and develop cutting edge product.

### **Research Profile**

#### **Research Interests:**

- Agricultural Process Engineering
- Grain Storage Techniques
- Farm Structures
- Food Engineering
- Post-Harvest Technology

## Research Publications

1.	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 Sciences13:426- 430.
2.	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.
3.	A.Shaikh, 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
4.	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.
5.	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.
6.	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.
7.	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.
8.	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.
9.	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.
10.	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 ( <i>Triticum aestivum</i> ) in Sindh, Pakistan. Journal of Biodiversity and Environmental Sciences 5 (4): 378-392.
11.	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.
12.	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.
13.	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.
14.	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.
15.	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
16.	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.
17.	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.
18.	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.
19.	S.H.Chattha, B.N.Mirani, H.R.Mangio, G.M.Khushk. (2017). Comparative study of different storage methods for postharvest preservation of wheat grain. Science, Technology and Development (submitted).
20.	S.H.Chattha, B.N.Mirani, H.R.Mangio, G.M.Khushk. (2017). Storage performance of forced ventilated, natural ventilated and traditional methods on the quality of onion bulbs. Technical Journal UET Taxila (submitted).
21.	N.H. Walhari, S.A. Soomro, S.H.Chattha, K.A.Ibupoto, L.A.Jamali, N.A.Abbasi. (2017). Post-harvest losses and control of unprocessed sugarcane. Journal of Agricultural Research (submitted).

### **Teaching Profile**

#### **Courses**

- Agricultural Process Engineering
- Food Process Engineering-II
- Farm Structures
- Livestock & Dairy Sheds
- Heat & Mass Transfers

#### **Students Projects:**

- Project 1, Undergraduate
- Project 2, Masters Project
- Project 3, PhD Project