


Faculty Member's Profile

	Dr. Bakhtawar Wagan	
	Associate Professor	
	PhD. (Agriculture Soil and Water Engineering) University of Hohai China, 2015	
	<u>Department of Farm Structures</u>, <u>Faculty of Agricultural Engineering</u>	
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HEC Approved Supervisor	No	

Description:

Pursuing a career building as well as the challenging opportunity in a dynamic, progressive and result oriented organization that seeks an ambitious, conspicuous and Profession conscious person.

Research Profile

Research Interests:

- Climate change
- Post Harvest Technology
- Soil and Water engineering

TRAININGS:

- Two week computer course of "Office Automation" at IT Center S.A.U.
- One month training on Staff Development through S.A.U Tando Jam.

AWARDS

- Youth Gold Medal Award.
- Certificate and Medal of Excellence.
- Certificate of Excellence award.

MEMBER

- Member as Lady Field Assistant with “Sindh Board of Technical Education”.

Research Publications

RESEARCH PAPERS

1. **Bakhtawar Wagan**, Zhang Zhanyu, Feng Baoping, Si Han, Amos T. Kabo-bah, “Using SPI to interpret the spatial and temporal conditions of drought in (Zhanghe River Basin) China”. (Outlook on AGRICULTURE Vol 44, No 3, 2015, pp. 235–241 doi: 10.5367/oa.2015.0217).
2. **Bakhtawar Wagan**, Hakimzadi, Zulfiqar Ali, “Variability of trends in precipitation trends from 1980 to 2010 In the Zhanghe River basin, China”. Journal of Biodiversity and Environmental Sciences (Vol. 7, No. 3, pp. 76-86, 2015, <http://www.innspub.net>).
3. Zhanyu Zhang, Han SI, Baoping Feng, YongWang, Mengxing Lv, **Bakhtawar Wagan**, “Research of Hydrological Responses to Land-use Variability in a semiarid Watershed Based on SWAT Model”. Fresenius Environmental Bulletin, (Vol. 23, no.5, pp. 1190-1197, (2014).
4. **Bakhtawar Wagan**, Hakimzadi, Zulfiqar Ali. “Trends in Temperature Extreme during 1980-2010 in Zhanghe River basin, China”. (Sci.Int. (Lahore), 27(5), 4211-4217, 2015).
5. **Bakhtawar Wagan**, Zhang Zhanyu, Feng Baoping, Si Han, Amos T. Kabo-bah. “Drought trends and temperature influence on droughts in Zhanghe River Basin: An application of the Standardized Precipitation Evapotranspiration index (SPEI). Journal of meteorology, (Volume 2015, Article ID 160953, 9 pages, <http://dx.doi.org/10.1155/2015/160953>).

6. Ijaz Ahmad, Deshan Tang, Tian Fang Wang, Mei Wang and **Bakhtawar Wagan** "Trend Detection in Precipitation Time Series Using Mann-Kendall and Spearman's rho Tests in Swat River Basin, Pakistan". Journal of meteorology, (Volume 2015, Article ID 431860, 15 pages, <http://dx.doi.org/10.1155/2015/431860>).
7. Zhanyu Zhang, Liting Sheng, Jie Yang , Xiao-an Chen , Lili Kong and **Bakhtawar Wagan**," Effects of Land Use and Slope Gradient on Soil Erosion in a Red Soil Hilly Watershed of Southern China.(*Sustainability* **2015**, 7, 14309-14325; doi:10.3390/su71014309).
8. A. Tagar, F. A. Chandio, I. A Mari, **B. Wagan** "Comparative Study of Drip and Furrow Irrigation Methods at Farmers Field in Umarkot. (World Academy of Science, Engineering and Technology 69, pp. 863-867, 2012).
9. Nguyen Cong Thanh, **Bakhtawar Wagan**."Physical and Numerical Models in Calculation free flow over Spill way. (HHIS Journal of Science and Technology, vol.04, pp. 39-45, (2012).
10. **Bakhtawar Wagan**, Zhang Zhanyu, Feng Baoping, Shabana Memon, "Meteorological evaluation and drought effects occurred at different locations of China over the period 1980-2010". The Journal of Animal & Plant Sciences, 26(1): 2016, Page: 217-224.
11. Solangi, M., V. Suthar, **B. Wagan**, A. G. Siyal, A. Sarki and R. K. Soothar." EVALUATE THE EFFECT OF NITROGEN AND PHOSPHORUS FERTILIZER DOSES ON GROWTH AND YIELD OF SPINACH", Sci.Int. (Lahore, 28(1), 379-383, **2015**.
12. Solangi, M., Q. Jogi, A. R. Shah, V. Suthar, **B. Wagan** and R. K. Soothar." RESPONSE OF POTATO (SOLANUM TUBEROSUM L.) IN TERMS OF GROWTH AND TUBER YIELD TO VARYING NPK DOSES", Sci.Int. (Lahore, 28(1), 385-389, **2015**.
13. **Bakhtawar Wagan**, M. Saffar Mirjat, Hakimzadi, Majeeduddin Solangi, Ali Raza Shah, Mehmood Laghari, Rani Wagan, Shahid Abro. "Calibration of sluice gate under free flow and submerged condition". (**Submitted**).
14. **Bakhtawar Wagan**, M. Saffar Mirjat, Hakimzadi, S. H. Chattha, Irfan Ahmed Shaikh and Majeeduddin Solangi. "Calibration of Broad crested and Crump Weirs under Undrowned and Drowned Condition, Pakistan". (**Submitted**).
15. S. H. Chattha, K. A. Ibutoto, B. N. Mirani, **B. Wagan** and I. A. Shaikh." COMPARATIVE STUDY OF DIFFERENT STORAGE METHODS FOR POSTHARVEST PRESERVATION OF WHEAT GRAIN". (**Submitted**).

16. Ali Mujtaba Shah, Ali Raza Shah, Khalid Hussain Mirbahar, Muhammad Naeem, Ahmed Sultan Jatoi, **Bakhtawar Wagan.**” Virulence of new Castle dieses virus in different species through various dilutions”. *Sci.Int.(Lahore)*,28(2),1255-1258 ,2016.
17. R. Abro, Z.A.Sahito, N. Rajput, S. H. Abro, H. Wagan and **B.Wagan.** 2016. Feeding yacca extract diets influence the live body weight, carcass characteristics, feed and water intake in broiler chickens. *Sindh University Research Journal.* Volume 48, (1): 145-148 (2016) **HEC category X**
18. S. H. Abro, R. Abro, R. Rind, A. A.Kamboh, A. A. Memon, A. A. Channa, H.Wagan, H. Baloch and **B. Wagan.** 2016. Antibiogram of the *Micrococcus luteus*, *Pseudomonas aeruginosa*, *Staphylococcus epidermidis* and *Staphylococcus intermedius* isolated from the bovine frozen semen. *Pure and Applied Biology*, Volume 5(2), 204-212. 6. 2016.
19. R. Abro, A. Ghaffar, S. H. Abro, H. Wagan, **B. Wagan** , A.N. Tunio , J.A. Gandahi and M.U. Goraya, H. Rizwana. 2016. Inclusion of Blend of L-lysine, DL-methionine and Vitamins D3, E in Diets for Broiler; Effects on Growth Performance, Feed intake and Conversion and Water Intake. *Journal of Basic and Applied Sciences.* 12 (1) 185-191, **HEC category X**
20. Hakimzadi Wagan, Aijaz Ali Khuharo, Zulfiqar Ali, Shahid Hussain Abro, Rani Abro, **Bakhtawar.** IDENTIFYING COMOVEMENTS AMONG INTERNATIONAL FINANCIAL MARKETS DURING GLOBAL FINANCIAL CRISIS 2008-2009. *Sci.Int.(Lahore)*,28(2),2105-2112,2016.
21. Raheel laghari, Rani Abro, Shahid Hussain Abro, Hakimzadi Wagan, Bakhtawar Wagan, Mazhar ul Haq and Mohsan Ullah Goraya.. Organic Acids Supplements: Influence on Live Body Weight, Feed Consumption and Conversion of Broiler. *Sci.Int.(Lahore)*,28(3),2707-2710,2016.
22. S. A. LAKHO, S. H. ABRO, R. ABRO, A. YASMIN, H. WAGAN, B. WAGAN, R. A. LEGHARI, A. A. KAMBOH . 2016. *Clostridium chauvoei* infections: Occurrence of blackleg in cattle population in district Shaheed Benazirabad. *Sindh University Research Journal HEC Recognized X-Category Journal (Sindh Univ. Res. Jour. (Sci. Ser.) Vol. 48 (3) 585-588 (2016).*
23. Hakimzadi Wagan, Aijaz Ali Khuharo, Zulfiqar Ali, Rani Abro, Bakhtawar, Shahid Hussain Abro. Assessing the Effects of Climate Change on Crop Production, Food Production and Crop Yield. *Journal of Biodiversity and Environmental Sciences.* Vol. 8, No. 6, p. 223-231, 2016.
24. Hakimzadi Wagan, Mansoor Ahmed Golo, Rani Abro, Bakhtawar, Shahid Hussain Abro, Zulfiqar Ali. Corporate Bankruptcy Prediction In Pakistan By Employing Multiple Discriminant Analysis Technique. *Developing Country Studies*, Vol.6, No.2, 2016.

25. Hakimzadi Wagan, Rani Abro, Bakhtawar, Sanaullah Noonari, Zulfiqar Ali. Analyzing Monetary Policy Transmission Mechanism Using Factor Augmented Vector Auto Regression. European Journal of Business and Management, Vol.8, No.4, 2016.

Teaching Profile

Courses

- Engineering Materials
- Post Harvest Technology
- Applied Electricity
- Fumigation of Grains
- Marketing of Farm Products
- Crop Drying and Storage

Students Projects:

- Project 1, Undergraduate
- Project 2, Masters Project