

CHAUDHRY ARSLAN

ASSISTANT PROFESSOR

Department of Structures and Environmental Engineering, University of Agriculture, Faisalabad, Pakistan
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EDUCATION

Nanjing Agricultural University, Nanjing, China

- PhD Agricultural Bio-Environmental and Energy Engineering 9/2012- 6/2016

University of Agriculture, Faisalabad, Pakistan

- Ph.D Agricultural Engineering part time student, 3.57/4.00 (freeze) 09/2008 -08/2012
- M.Sc (Hons) Agricultural Engineering, 3.76/4.00, 2nd in 2008 session 09/2005-08/2008
- Title: Study of Spatial and Temporal Variability of Arsenic in Groundwater due to Drain by using GIS
- B.Sc Agricultural Engineering, 3.62/4.00, Achieve merit scholarship throughout 10/2001-08/2005

DISTINCTIONS

- Excellent Student Award , 2015 by Nanjing Agricultural University, Nanjing China (2015)
- Won HEC scholarship under USETPS/UET program (2012)
- Achieved merit Scholarship throughout undergraduate degree program (2002-2005)

EMPLOYMENT HISTORY

- University of Agriculture, Faisalabad, Pakistan – Assistant Professor 8/2019 till date
- University of Agriculture, Faisalabad, Pakistan – Lecturer 03/2006 – 8/2019
- Bahaudin Zakriya University, Multan, Pakistan – Visiting Lecturer 02/2006 – 03/2006

RESEARCH ACTIVITIES

- Development of environmental friendly vehicle for farm purpose.
- Development of Self Sustainable Bio Reactor for Biogas Production
- Bio-hydrogen production from food waste
- Development and testing of Anaerobic bio reactor for bio-hydrogen production from pre-treated rice straw
- Agricultural tillage tools testing in soil bin in comparison with field

SELECTED PUBLICATIONS (42 :IF 52.954)

1. Synthesis and applications of graphene and graphene-based nanocomposites: Conventional to artificial intelligence approaches by Waheed Tariq, Faizan Ali, **Chaudhry Arslan**, Abdul Nasir, Syed Hamza Gillani and Abdul Rehman. *Frontiers in Environmental Chemistry*. 2022
2. Photocatalytic Removal of Azo Dyes Using a CNT Doped ZnO/Fe₂O₃ Catalyst by Waheed Tariq, **Ch. Arslan**, Sohali Ali Naqvi, Muhammad Abdullah, Abdul Nasir, Syed Hamza Gillani, Abdul Ghafoor, Asma Sattar, Haroon Rashid, Muhammad Yamin. *Pol. J. Environ. Stud.* Vol. 31, No. 5 (2022), 1-11 (**IF. 1.699**)
3. Investigating the effect of temperature gradient on biogas production from pretreated maize straw and rice husk using multistage anaerobic bioreactor. Syed Zeeshan Haider, Abdul Nasir, **Chaudry Arslan** and Haroon Zaman Khan. *Pak. J. Agri. Sci., Vol. 58(4), 1339-1348; 2021 (IF 0.856)*
4. Experimental testing of an indigenous solar driven desiccant cooling system for local conditions of Pakistan. Arshad, S., M. Umair, R.S. Noor, **C. Arslan**, A. Afzal and Z. Islam. 2021 *Pakistan Journal of Agricultural Research*, 34(3): 400-404.
5. A feasibility study: off-grid photovoltaic solar power supply to the remote areas of Pakistan. Muhammad Azhar Ali, Muhammad Yamin, **Ch. Arslan**, Usman Farid and Abdul Nasir. *Pak. J. Agri. Sci., Vol. 57(5), 1313-1316 (IF 0.856)*
6. Techno-economic Feasibility of Solar based Desalination through Reverse Osmosis. Abdul Ghafoor, Tauseef
7. Stress and Displacement Analyses of Rice and Wheat Straws in Rotary Tillage Process (in Chinese) by Guo Jin, Ji Changying, **Chaudhry Arslan**, Fang Huimin, Zhang Qingyi. *Transition of Chinese Society for Agricultural Machinery*. DOI : [10.6041/j.issn.1000-1298.2016.10.002](https://doi.org/10.6041/j.issn.1000-1298.2016.10.002)
8. The optimization and mathematical modeling of quality attributes of parboiled rice using a response surface method. Khurram Yousaf, Chen Kunjie, Chen Cairong, Adnan Abbas, Yuping Huang, **Chaudhry Arslan**, and Zhang Xuejin. *J. food quality*. doi.org/10.1155/2017/5960743 (**IF 3.2**)
9. Comparing the effect of total solids concentration on bio-hydrogen production potential of food waste and its derivatives under mesophilic thermophilic conditions. **Chaudhry Arslan**, Asma Sattar, Ji Changying, Abdul Nasir, Irshad Ali Mari, Fang Huimin, Huang Yu Ping. *Pak. J. Agri. Sci., Vol 53(3). (IF 0.856)*
10. Quantification of temperature effect on batch production of bio-hydrogen from rice crop wastes in an anaerobic bio reactor. Asma Sattar, **Chaudhry Arslan**, Changying Ji, Saba Sattar, Muhammad Umair, Sumiyya Sattar, Muhammad Zia Bakht, *International Journal of Hydrogen Energy*. (**IF 7.139**)
11. Comparing the Bio-Hydrogen Production Potential of Pretreated Rice Straw Co-Digested with Seeded Sludge Using an Anaerobic Bioreactor under Mesophilic Thermophilic Conditions. Asma Sattar, **Chaudhry Arslan**, Changying Ji, Sumiyya Sattar, Irshad Ali Mari, Haroon Rashid, Fariha Ilyas. *Energies*, 2016, 9, 198 (**IF 3.252**)
12. Optimizing the physical parameters for bio-hydrogen production from food waste co-digested with mixed consortia of Clostridium By Asma Sattar, **Chaudhry Arslan**, Ji Changying, Chen Kunjie, Abdul Nasir, Fang Huimin, Muhammad Umair, *J. Renewable Sustainable Energy* , 8, 013107 (2016) (**IF 2.847**)

POST GRADUATE RESEARCH WORK SUPERVISED

28 students

Language skills: Fluent in English (IELTS 6.5), Chines (Basic spoken) , Urdu, Punjabi, Saraiki