

Khurram Yousaf

Associate Professor

Atta-Ur-Rahman School of Applied Biosciences

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About

Dr. Khurram Yousaf is working as Associate Professor in the Atta-Ur-Rahman School of Applied Biosciences. Dr. Khurram Yousaf has a PhD in Postharvest Processing. Dr. Khurram Yousaf has published 39 research articles & conference papers having a citation count of 364, carried out 2 projects and filed 2 intellectual property.

Qualifications

PhD in Postharvest Processing	2014 - 2018
Nanjing Agricultural University , China	
MS in Agricultural Engineering	2009 - 2011
University of Agriculture Faisalabad , Pakistan	
BS in Agricultural Engineering	2005 - 2009
University of Agriculture Faisalabad , Pakistan	

Experience

Associate Professor	2023- Present
Atta-Ur-Rahman School of Applied Biosciences	
Assistant Professor	2020 - 2023
Atta-Ur-Rahman School of Applied Biosciences	
Post-Doc	2018 - 2020
Nanjing Agricultural University, China , College of Engineering, Nanjing Agricultural University, China	
Research Assistant	2013 - 2014
innovative development strategies pvt ltd , G-14 Islamabad	

Professional Memberships

PEC	Since 2010
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Research Projects

National Projects	
Capacity Building on New Technologies to Reduce Post-Harvest Losses	2022
Funding Agency: COMCEC	
Amount: PKR 2,011,517.00	
Status: Approved_inprocess	
CROP RESIDUE TO REVENUE AT THE FARM (R2R)	2022
Funding Agency: The swiss global network for education, research and innovation	
Amount: PKR 1,105,000.00	
Status: Completed	

International Projects

Research Articles

An enhancement algorithm for head characteristics of caged chickens detection based on cyclic consistent migration neural network	2024
Zhenwei Yu Liqing Wan Khurram Yousaf Hai Lin Ji Zhang Hongchao Jiao Geqi Yan Zhanhua Song Fuyang Tian	
Poultry Science , Volume 103, Issue 6, Article Number 103663	

Impact Factor: 4.400 Quartile: 1 Citations: 8 DOI: 10.1016/j.psj.2024.103663	
Assessing the factors of economic and environmental inefficiency of sunflower production in Pakistan: an epsilon-based measure model <i>Adnan Abbas Amir Ikram Zulqarnain Mushtaq Khurram Yousaf Chengyi Zhao</i> <i>Frontiers in Environmental Science</i> , Volume 115, Article Number: 1186328 Impact Factor: 4.6 Quartile: 2 DOI: 10.3389/fenvs.2023.1186328	2023
On-line weight estimation of broiler carcass and cuts by a computer vision system <i>Innocent Nyalala Cedric Okinda Nelson Makange Tchalla Korohou Qi Chao Luke Nyalala Zhang Jiayu Zuo Yi Khurram Yousaf Liu Chao Kunjie Chen</i> <i>Poultry Science</i> , Volume 100, Issue 12, Article Number 101474 Impact Factor: 3.352 Quartile: 1 Citations: 16 DOI: 10.1016/j.psj.2021.101474	2021
Drying process optimization of garlic slices in closed-loop heat pump drying system by Box-Behnken design <i>Haolu Liu Khurram Yousaf Zhenwei Yu Asad Riaz Innocent Nyalala Muhammad Waqas Alam Chattha Kunjie Chen</i> <i>Journal of Food Processing and Preservation</i> , Pages 1-9, Article Number e16190 Impact Factor: 2.190 Quartile: 3 Citations: 5 DOI: 10.1111/jfpp.16190	2021
Effect of moisture on physico-engineering properties of two husked and de-husked Chinese rice varieties <i>Shakeel Ahmed Soomro Kunjie Chen Naimatullah Leghari Nelson Richard Makange Mecha Peter Khurram Yousaf Aasia Panhwar Sikandar Almani Zubair Ahmed Soomro</i> <i>International Agricultural Engineering Journal</i> , Volume 30(2), Pages 67-74 Impact Factor: N/A DOI: 114.255.9.31/iaej/EN/Y2021/V30/I2/67	2021
Pyrolysis Kinetics and Thermodynamic Parameters of Ginkgo Biloba Residues using Thermogravimetric Analysis <i>Yali Fang Khurram Yousaf Jing Liang Qi Gao Kunjie Chen</i> <i>Interiencia</i> , Volume 45(5), Pages 74-96 Impact Factor: 0.396 Quartile: 4 DOI: https://intercienciajournal.com/search.html	2020
Study on Detection Method of Vomitoxin in Flour Based on Enrichment Treatment <i>Guangpeng Zu Khurram Yousaf Wei Wu Kunjie Chen Haiming Yu</i> <i>Interiencia</i> , Volume 45(3), Pages 274-297 Impact Factor: 0.396 Quartile: 4 DOI: https://intercienciajournal.com	2020
Influence of environmental conditions on drying efficiency and heat pump performance in closed and open loop drying of paddy <i>Khurram Yousaf Haolu Liu Xu Gao Chao Liu Adnan Abbas Innocent Nyalala Muhammad Ahmad Muhammad Ameen Kunjie Chen</i> <i>Drying Technology</i> , Volume 38, Issue 16, Pages 2217-2230 Impact Factor: 4.452 Quartile: 2 Citations: 11 DOI: 10.1080/07373937.2019.1691011	2020
Extraction Optimization, Purification and Immunostimulatory Activity in vitro of Polyphenols from Apple (<i>Malus domestica</i>) Peel <i>Asad Riaz Khurram Yousaf Saqib Jabbar Muhammad Abid Malik Muhammad Hashim Mohamed Abdin Sains Malaysiana</i> , Volume 49(7), Pages 1553-1566 Impact Factor: 1.009 Quartile: 4 Citations: 5 DOI: 10.17576/jsm-2020-4907-08	2020
Efficient pyrolysis of ginkgo biloba leaf residue and pharmaceutical sludge (mixture) with high production of clean energy: Process optimization by particle swarm optimization and gradient boosting decision tree algorithm <i>Zhenwei Yu Khurram Yousaf Muhammad Ahmad Maryam Yousaf Qi Gao Kunjie Chen</i> <i>Bioresource Technology</i> , Volume 304, Article Number 123020 Impact Factor: 9.642 Quartile: 1 Citations: 40 DOI: 10.1016/j.biortech.2020.123020	2020

An experimental study of stunned state detection for broiler chickens using an improved convolution neural network algorithm <i>Chang-wen Ye Zhen-wei Yu Rui Kang Khurram Yousaf Chao Qi Kunjie Chen Yu-ping Huang</i> <i>Computers and Electronics in Agriculture</i> , Volume 170, Article Number 105284 Impact Factor: 5.565 Quartile: 1 Citations: 28 DOI: 10.1016/j.compag.2020.105284	2020
Broiler stunned state detection based on an improved fast region-based convolutional neural network algorithm <i>Chang-wen Ye Khurram Yousaf Chao Qi Chao Liu Kun-jie Chen</i> <i>Poultry Science</i> , Volume 99, Issue 1, Pages 637-646 Impact Factor: 3.352 Quartile: 1 Citations: 17 DOI: 10.3382/ps/pez564	2020
Tomato volume and mass estimation using computer vision and machine learning algorithms: Cherry tomato model <i>Innocent Nyalala Cedric Okinda Luke Nyalala Nelson Makangea Qi Chao Liu Chao Khurram Yousaf Kunjie Chen</i> <i>Journal of Food Engineering</i> , Volume 263, Pages 288-298 Impact Factor: 4.499 Quartile: 1 Citations: 118 DOI: 10.1016/j.jfoodeng.2019.07.012	2019
Experimental Study of Drying Characteristics and Mathematical Modeling for Air Drying of Germinated Brown Rice <i>Zhenwei Yu Khurram Yousaf YU WANG Kunjie Chen</i> <i>Sains Malaysiana</i> , Volume 48, No.10, Pages 2093-2101 Impact Factor: 0.643 Quartile: 4 Citations: 6 DOI: 10.17576/jsm-2019-4810-04	2019
The optimization of starch gelatinization and quality attributes under hydrothermal treatment of paddy by response surface method <i>Khurram Yousaf Adnan Abbas Xuejin Zhang Rui kang Eisa Belal Fiaz Ahmad Kunjie Chen</i> <i>Fresenius Environmental Bulletin</i> , Volume 28, No. 4, Pages 2771-2779 Impact Factor: 0.553 Quartile: 4 DOI: 20193515739	2019
An Investigation of a Root Zone Heating System and Its Effects on the Morphology of Winter-Grown Green Peppers <i>Muhammad Ameen Zhuo Zhang Xiaochan Wang Muhammad Yaseen Muhammad Umair Rana Shahzad Noor Wei Lu Khurram Yousaf Fahim Ullah Muhammad Sohail Memon</i> <i>Energies</i> , Volume 12(5), Article Number 933 Impact Factor: 2.702 Quartile: 3 Citations: 8 DOI: 10.3390/en12050933	2019
Response surface methodology for optimisation and mathematical modelling of physico-engineering properties of paddy rice <i>Shakeel Ahmed soomro Kunjie Chen Leghari Naimatullah Khurram Yousaf Dahri IA Ibrahim IE Idris SI Soomro SA</i> <i>Fresenius Environmental Bulletin</i> , Vol. 28, 11, Pages:7787-7794 Impact Factor: 0.553 Quartile: 4 DOI: 20219911169	2019
Automatic measurement method of volume and surface area of jujube based on laser point cloud <i>Mingqing Wu Huapin Luo Chuanfeng Li Xiaokang Yi Khurram Yousaf Shakeel Ahmed Soomro Kunjie Chen</i> <i>International Agricultural Engineering Journal</i> , Volume 28, No. 1, Pages 259-268 Impact Factor: N/A DOI: 114.255.9.31/iaej/EN/Y2019/V28/I1/29	2019
Short-term responses of soil Cone Index and Biopore with different rates of straw incorporation in Rice-Wheat cropping system <i>Eisa Belal Ding Qishuo He Ruiyin Li Yinian Khurram Yousaf John Fielke</i> <i>Fresenius Environmental Bulletin</i> , Vol. 27, 5A, Pages:3452-3461 Impact Factor: 0.691 Quartile: 4 DOI: 20183253213	2018
Implementation of a novel approach for the evaluation of energy efficiency, management needs and sustainability of wheat production	2018

Adnan Abbas Tahir Iqbal Muhammad Ahmad Khurram Yousaf Ehsan Elahi Minli Yang
Fresenius Environmental Bulletin , Vol. 27, 10, Pages:6695-6703

Impact Factor: 0.691 | **Quartile:** 4

DOI:

https://www.researchgate.net/publication/328448720_Implementation_of_a_novel_approach_for_the_evaluation_of_energy_efficiency_management_needs_and_sustainability_of_wheat_production/stats

Fracture resistance of paddy as influenced by moisture, variety, orientation and loading rate under quasi-static compressive load

2018

Shakeel Ahmed Soomro Kunjie Chen Khurram Yousaf Khalil Ahmed Ibupoto Muhammad Ameen Muhammad Sohail Memon Wu Mingqing Ibrahim Eltayeb
Ibrahim Sohail Ahmed Soomro

International Agricultural Engineering Journal , Volume 27, No. 4, Pages 364-370

Impact Factor: N/A

DOI: 114.255.9.31/iaej/EN/Y2018/V27/I4/40

Improving energy use efficiency of corn production by using data envelopment analysis (a non-parametric approach)

2018

Adnan Abbas Yang Minli Khurram Yousaf Muhammad Ahmad Ehsan Elahi Tahir Iqbal

Fresenius Environmental Bulletin , Volume 27, No. 7, Pages 2725-2733

Impact Factor: 0.691 | **Quartile:** 4

DOI: <https://www.cabdirect.org/cabdirect/abstract/20193018001>

Effect of multi-stage drying on energy consumption, the rate of drying, rice quality and its optimization during parboiling process

2018

Khurram Yousaf Adnan Abbas Xuejin Zhang Shakeel Ahmed Soomro Muhammad Ameen Kunjie Chen

Fresenius Environmental Bulletin , Volume 27, No.12, Pages 8270-8279

Impact Factor: 0.691 | **Quartile:** 4

DOI: <https://www.cabdirect.org/cabdirect/abstract/20193230362>

Performance Evaluation of Root Zone Heating System Developed with Sustainable Materials for Application in Low Temperatures

2018

Muhammad Ameen Wang Xiaochan Muhammad Yaseen Muhammad Umair Khurram Yousaf Zhenjie Yang Shakeel Ahmed Soomro

Sustainability , Volume 10(11), Article Number 4130

Impact Factor: 2.592 | **Quartile:** 2 | **Citations:** 8

DOI: 10.3390/su10114130

Effects of Different Drying Methods on Some Physical and Chemical Properties of Loquat (Eriobotrya japonica) Fruits

2018

Fahim Ullaha, Kang Min Mansoor Khan Khattak, Said Wahab Nauman Wahabe, Muhammad Ameen Muhammad Sohail Memon Xingsheng Wang Shakeel Ahmed Soomro khurram yousaf Ninghui Li Jun Yang

International Journal of Fruit Science , Volume 18, Issue 4, Pages 345-354

Impact Factor: N/A | **Citations:** 14

DOI: 10.1080/15538362.2018.1435330

Design and Thermal Analysis of an Air Source Heat Pump Dryer for Food Drying

2018

Haolu Liu Khurram Yousaf Kunjie Chen Rui Fan Jiaxin Liu Shakeel Ahmed Soomro

Sustainability , Volume 10(9), Article Number 3216

Impact Factor: 2.592 | **Quartile:** 2 | **Citations:** 36

DOI: 10.3390/su10093216

Comparative analysis of energy use efficiency in food grain production systems of pakistan

2018

Adnan Abbas Minli Yang Khurram Yousaf Khurshied Ahmed Khan Tahir Iqbal Shahbaz Gul hassan

Fresenius Environmental Bulletin , Volume 27(2), Pages 1053-1059

Impact Factor: 0.691 | **Quartile:** 4

DOI: 20183156786

Hydrothermal treatment under pressure on head rice yield and other quality attributes of Indica and Japonica rice cultivars

2018

Khurram Yousaf Xuejing Zhang Adnan Abbas Tahir Iqbal Kunjie Chen Kang Rui

International Agricultural Engineering Journal , Volume 27(1), Pages 188-197

Impact Factor: N/A

DOI: 114.255.9.31/iaej/EN/Y2018/V27/I1/188

Effectiveness of computer vision system and back propagation neural network in poultry stunning prediction

2018

Changwen Ye Khurram Yousaf Xiao Sun Rui Kang Bin Pang Kunjie Chen
International Agricultural Engineering Journal, Volume 27, No.1, Pages 289-297

Impact Factor: N/A

DOI: 114.255.9.31/iaej/EN/Y2018/V27/I1/289

Contextual evaluation of a corn sheller and its vulnerability to different cultivars

2017

Adnan Abbas Minli Yang Muhammad Iqbal Khurram Yousaf Shahbaz Gul Hassan Tahir Iqbal
International Agricultural Engineering Journal, Volume 27(1), Pages 1-16

Impact Factor: N/A

DOI: 114.255.9.31/iaej/EN/Y2018/V27/I1/74

The Optimization and Mathematical Modeling of Quality Attributes of Parboiled Rice Using a Response Surface Method

2017

Khurram Yousaf Kunjie Chen Chen Cairong Adnan Abbas Yuping Huang Chaudhry Arslan Zhang Xuejin
Journal of Food Quality, Volume 2017, Article ID 5960743, 13 pages

Impact Factor: 0.841 | Quartile: 4 | Citations: 19

DOI: 10.1155/2017/5960743

Energy Use Efficiency in Wheat Production, A Case Study of Paunjab Pakistan

2017

Adnan Abbas Yang Minli Riaz Ahmad Khurram Yousaf Tahir Iqbal
Fresenius Environmental Bulletin, Volume 26, No. 11, pages 6773-6779

Impact Factor: 0.673 | Quartile: 4

DOI: 20173382610

Quantification of mechanization index and its impact on crop productivity and socio-economic factors

2017

Adnan Abbas Yang Minli Ehsan Elahi Khurram Yousaf Riaz Ahmad Tahir Iqbal
International Agricultural Engineering Journal, Volume 26(3), Pages 59-64

Impact Factor: N/A

DOI: 114.255.9.31/iaej/EN/Y2017/V26/I3/59

Optimizing the impact of temperature on bio-hydrogen production from food waste and its derivatives under no pH control using statistical modelling

2015

C. Arslan A. Sattar C Ji S. Sattar Khurram Yousaf S. Hashim
Biogeosciences, Volume 12, issue 21, Pages 6503–6514

Impact Factor: 3.700 | Quartile: 1 | Citations: 23

DOI: 10.5194/bg-12-6503-2015

Effect of Field Plot Design on the Efficacy of Boom Sprayer

2014

Khurram Yousaf Tahir Iqbal Muhammad Iqbal Muhammad Hanif
Universal Journal of Agricultural Research, Volume 2(7), Pages 236-241

Impact Factor: N/A

DOI: 10.13189/ujar.2014.020702

Conference Proceedings

Effect of Drying Methods and Parboiling Conditions on Amylose Content and Parboiled Rice Quality

2022

khurram yousaf Kunjie Chen Zhenwei Yu
2022 ASABE Annual International Meeting, res.country(233,)

Citations: N/A

DOI: 10.13031/aim.202200217

Heterojunction Silicon Photoconverters Obtained By The Evaporation Method in A Vacuum

2019

Shoirbek Olimov Chen Nuo-fu A.M. Kasimakhunova Syed Jawad Ali Shah khurram yousaf Numan Abbas Tao Quan-li Yang Xiu-Yu
2019 2nd International Conference on Computing, Mathematics and Engineering Technologies, iCoMET, res.country(177,)

Citations: 2

DOI: 10.1109/ICOMET.2019.8673499

Experiment and Amount Optimization Analysis of Oil-Water Mixture Frying Machine Based on FLUENT

2016

Xuejing Zhang Zhenwei Yu khurram yousaf Kunjie Chen
2016 International Conference on Modeling, Simulation and Optimization Technologies and Applications (MSOTA 2016), res.country(48,)

Citations: N/A

DOI: 10.2991/msota-16.2016.56

Book Chapters

An Introduction of Biomimetic System and Heat Pump Technology in Food Drying Industry	2021
<i>khurram yousaf Kunjie Chen Muhammad Azam Khan</i>	
In: <i>Book on Biomimetics</i> , Chapter 7, Pages 1-16	
Citations: N/A	
DOI: 10.5772/intechopen.93386	

Editorial Activities

CyTA - Journal of Food	2021
Reviewed Papers for Journals	
Impact Factor: 2.25	

Intellectual Property

Copyrights

Patents

Curcumin solution prep ration for copying black text on to various surfaces	2021
Status: Filed	
Manufacturing of TabCoal, long lasting charcoal combustible tablets	2021
Status: Licensed Filed	

Industrial Designs

Trademarks

Trainings

Food Safety Management System	2021
Partner: 0	
Duration: 31-Dec-2021 to 31-Dec-2021	
Conference on Enabling Regulations to Accelerate Agricultural Innovations	2021
Partner: 0	
Duration: 22-Jul-2021 to 22-Jul-2021	
Agri-Tech Solutions and Approaches to Sustainable Rural Development	2021
Partner: 0	
Duration: 21-Jun-2021 to 26-Jun-2021	