

Curriculum Vitae

Name: Adnan Mukhtar

Date of birth: November 11, 1985

Place of birth: Gujranwala, Pakistan

Present address: House no 9, HEC Colony, UAF Constituent College, Depalpur- Okara

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Education

University of Hohenheim

Oct 2016 – Jan 2023

Stuttgart, Germany

PhD studies on investigating the effect of convective air drying on the enzymatic activity of dried mango at the Institute of Agricultural Engineering, Tropics and Subtropics Group.

University of Bonn

April 2011 – May 2014

Bonn, Germany

Degree: Master of Science (M.Sc.) in Agriculture Sciences and Resource Management in the Tropics and Subtropics

Master's thesis on non-invasive assessment of glossiness and polishing of the wax bloom of European plum.

University of Agriculture, Faisalabad

April 2006 – June 2010

Faisalabad, Pakistan

Degree: B.Sc. (Hons) in Agricultural Sciences with major Food Technology

Work experience, Certifications, and Trainings

Work Experience:

- Assistant Professor, Department of Food Science and Technology, University of Agriculture, Faisalabad, Constituent College, Depalpur Okara, April 2023 – Present
- Student Assistant, Campus Klein Altendorf, Bonn, Germany, March 2014 – December 2014
- Internship, Pepsi Cola International, Gujranwala, Pakistan, September 2009 – February 2010

Online Certifications and Trainings:

- Certificate in 'Everyday Chinese Medicine' by The Chinese University of Hong Kong, January 2025
- Certificate in 'Stanford Introduction to Food and Health' by Stanford University, January 2025
- Certificate in 'Transformation of the Global Food System' by the University of Copenhagen, November 2024
- Certificate in 'Sustainable Diet' by the United Nations Institute for Training and Research, October 2024
- Certificate in 'Confectionery for Beginners,' October 2024
- Certificate in specialized module on 'Human Health and Climate Change' by the United Nations Institute for Training and Research, September 2024
- Certificate in 'Food Waste Prevention' by the United Nations Institute for Training and Research, September 2024
- Post-Induction Training and Professional Development for Young Faculty, University of Agriculture, Faisalabad, August 7 – 21, 2024
- Certificate in 'Unlocking Grant Success with Funding Institutional' from Elsevier, July 2024
- Certificate in 'Food Safety: Good Manufacturing Practices (GMP) in the Food Industry,' July 2024
- Certificate in 'Leading Healthcare Quality and Safety' by The George Washington University, July 2024
- Certificate in 'Child Nutrition and Cooking' by Stanford University, July 2024
- Certificate in 'Hazard Analysis and Critical Control Points (HACCP),' July 2024
- Certificate in 'From Article to Art: Creating Visual Abstracts' from Elsevier, August 2023
- Certificate in 'Rejected Manuscripts: Next Steps and Finding the Right Fit' from Elsevier, July 2023
- Certificate in 'How to Write a Helpful Peer Review Report' from Elsevier, July 2023
- Certificate in 'Agrifood System Pathways to Healthy Diets: A Stepwise Approach' by FAO, July 2023
- Certificate in 'Introduction to Trade, Food Security, and Nutrition' by FAO, July 2023
- Certificate in 'Full Text or Abstract Database? Find Out What Scopus and Science Direct Are All About,' July 2023
- Training in Food Safety certified by EHA (Environmental Health Australia) and CSIRO Food and Nutritional Sciences, 2013

- Mushroom Cultivation Short Course: December 16 – 30, 2008
- Allelopathy for Crops Short Course: December 16 – 30, 2008

Courses Taught

▪ FST-301	Essentials of Food Science and Technology	3(3-0)
▪ FST-302	Fruits and Vegetables Processing	3(3-0)
▪ FST-304	Food Hygiene and Public Health	3(3-0)
▪ FST-306	Global Food Issues	3(3-0)
▪ FST-303	Fundamentals of Human Nutrition	3(3-0)
▪ Hort-415	Post-Harvest Handling of Fruits and Vegetables	3(3-0)
▪ FST-401	Fundamentals of Halal Foods	2(2-0)
▪ FST-407	Confectionery and Snack Foods	3(2-1)
▪ FST-714	Food Industrial Waste Management	3(3-0)

Short Courses or Training Programs Conducted 2023 – ongoing

- Food Processing and Preservation (2 Months)
 - Offered at least twice a year to university students, farmers, and the local community

Abstracts Published

- Sadaf Shakoor, Seerat Saleem, Inam ur Raheem, Adnan Mukhtar et al. 2024. ‘Exploring the Efficacy of Various Preservative Methods in Extending the Shelf Life of Sugarcane Juice’, in Proceedings of the 5th International Electronic Conference on Applied Sciences, 4–6 December 2024, MDPI: Basel, Switzerland.
- Ali Husnain, Amina Ayub, Adnan Mukhtar, Saeed Akram Khan, Kashif Ali, and Farhan Nasir, 2023. ‘Role of Indispensable Amino Acids on Growth Performance of Common Carp (*Cyprinus carpio*)’, in Proceedings of the IBPHR, Government College University, Lahore. Page No. 108.
- Adnan Mukhtar, Sajid Latif, and Joachim Mueller, 2018. ‘Quality Evaluation of Hot Air-Dried Mango Through Heat-Sensitive Enzymes.’ Tropentag, University of Hohenheim, Germany. <https://www.tropentag.de/2018/abstracts/abstract.php?code=v0zZmoyJ>
- Adnan Mukhtar, Lutz Damerow, and Michael Blanke, 2013. ‘Optical Properties of Wax Bloom of Plums: Its Effect on Light Reflection and Weight Loss During Storage at Different Temperatures.’ BHGL, University of Bonn, Germany. [Abstractband_2013.pdf \(agribenchmark.org\)](#)

Peer-Reviewed Articles

- Shakoor, S., Saleem, S., Raheem, I. ur, Mukhtar, A., Asghar, M.T., Azmat, M.A., 2025. Exploring various preservative methods in extending the shelf-life of sugarcane juice. J. Food Sci. Technol. <https://doi.org/10.1007/s13197-025-06252-9>
- Anjum, S., Sarwar, M., Mukhtar, A., Hussain, T., Liaquat, M., Batool, A., Alam, M.W., Ali, Q.,

Ashraf, M.I., 2025. Impact of rhizobacterial inoculation in plant growth medium to mitigate lead stress in Tomato (*Solanum lycopersicum* L.). Sci. Rep. 15, 1–9. <https://doi.org/10.1038/s41598-024-84648-x>

- Anjum, S., Ain, Q.U., Sarwar, M., Alam, M.W., Mushtaq, Z., Mukhtar, A., Ashraf, M.I., Alasmari, A., 2025. Chitosan Induced Modification in Morpho-Physiological, Biochemical and Yield Attributes of Pea (*Pisum Sativum* L.) Under Salt Stress. J. Soil Sci. Plant Nutr. <https://doi.org/10.1007/s42729-024-02202-0>
- Anjum, S., Sarwar, M., Ali, Q., Alam, M.W., Manzoor, M.T., Mukhtar, A., 2024. Assessment of bioremediation potential of *Calotropis procera* and *Nerium oleander* for sustainable management of vehicular released metals in roadside soils. Sci. Rep. 14, 1–9. <https://doi.org/10.1038/s41598-024-58897-9>
- Mukhtar, A., Latif, S., Barati, Z., Müller, J., 2023. Valorization of Cassava By-Products : Cyanide Content and Quality Characteristics of Leaves and Peel. Appl. Sci. 13, 6340. <https://doi.org/10.3390/app13106340>
- Mukhtar, A., 2023. Effect of convective air drying on the enzymatic activity of dried mango. SHAKER VERLAG. (ISBN: 978-3-8440-8989-9)
- Mukhtar, A., Latif, S., Salvatierra-Rojas, A., Müller, J., 2022. Catalase Activity in Hot-Air Dried Mango as an Indicator of Heat Exposure for Rapid Detection of Heat Stress. Appl. Sci. 12, 1305. <https://doi.org/10.3390/app12031305>
- Mukhtar, A., Latif, S., Müller, J., 2021. Effect of Hot-Air Convective Drying on Activity Retention of Amylase and Invertase in Dried Mango of Varieties Sindri, SB Chaunsa, and Tommy Atkins. Appl. Sci. 11, 6964. <https://doi.org/10.3390/app11156964>
- Mukhtar, A., Latif, S., Mueller, J., 2020. Effect of Heat Exposure on Activity Degradation of Enzymes in Mango Varieties Sindri, SB Chaunsa, and Tommy Atkins during Drying. Molecules 25, 5396. <https://doi.org/10.3390/molecules25225396>
- Mukhtar, A., Damerow, L., Blanke, M., 2014. Non-invasive assessment of glossiness and polishing of the wax bloom of European plum. Postharvest Biol. Technol. 87, 144–151. <http://dx.doi.org/10.1016/j.postharvbio.2013.08.017>
- Mukhtar, A., Damerow, L., Baker, E.A., Balmer, M., Blanke, M., 2014. Non-invasive assessment of the wax bloom of plum. Erwerbs-Obstbau 56, 85–88. <https://link.springer.com/article/10.1007/s10341-014-0208-4>

Seminar, Conference, and Workshop Participation

- Poster presentation at the ‘5th International Electronic Conference on Applied Sciences, Zurich, Switzerland’ held on December 4-6, 2024.
- Delivered an oral presentation at the seminar titled ‘International Day of Awareness of Food Loss and Waste’ held on September 30, 2024, at the University of Agriculture, Faisalabad, Constituent

College, Depalpur, Okara

- Delivered an oral presentation at the international workshop titled ‘Breakthrough in Pakistan’s Economic Development through Technological Innovation in Agriculture – A Policy Approach’ held on July 29-31, 2024 at Bara Gali Summer Campus, Abbottabad, Khyber Pakhtunkhwa, Pakistan.
- Delivered an oral presentation at the seminar titled ‘World Food Safety Day and Awareness Walk’ held in June 07, 2024 at the University of Agriculture, Faisalabad, Subcampus Depalpur, Okara.
- Delivered an oral presentation at the seminar titled ‘Food and Nutrition Entrepreneurship: Current Scenario and Future Perspectives’ held on April 22, 2024, at the University of Okara.
- Delivered an oral presentation at the seminar titled ‘Potato Research Institute, Sahiwal’ held in January 27, 2024 at the Potato Research Institute, Sahiwal.
- Participated in the awareness seminar titled ‘High Risk Chronic Stress in the Youth’ held on November 28, 2023, at the University of Agriculture, Faisalabad, Subcampus Depalpur, Okara.
- Participated in the seminar titled ‘Potato Value Chain and Export Potential in Traditional Markets’ held on November 20, 2023, at the Usmania Hotel, Okara.
- Participated in the workshop titled ‘Outcome-Based Education and Blended Learning’ held on October 25, 2023, at the University of Agriculture, Faisalabad, Subcampus Depalpur, Okara.
- Participated in the workshop titled ‘Applications of Statistical Techniques in Agricultural and Natural Sciences’ held on October 18-19, 2023, at the University of Agriculture, Faisalabad, Subcampus Depalpur, Okara.
- Participated in the awareness seminar titled ‘Road Safety’ held on September 05, 2023, at the University of Agriculture, Faisalabad, Subcampus Depalpur, Okara.
- Participated in the workshop titled ‘Maximizing Chances of Publication: Data Handling, Manuscript Write-Up, and Graphs/Figures Presentation’ held on July 13, 2023, at the University of Agriculture, Faisalabad, Subcampus Depalpur, Okara.
- Participated in the conference titled ‘Pakistan Agricultural Coalition’s Agri Connections’ held on April 17, 2023, at the Expo Center, Lahore.
- Poster presentation at Tropentag, September 17-19, 2018, University of Ghent, Belgium.
- Poster presentation at BHGL–Schriftenreihe Band 29, 2013, Bonn, Germany.

Languages and Computing skills

- Languages: English, Urdu, Punjabi & Deutsch A2 level (advanced)
- Computing Skills: MS Word, MS Excel, MS PowerPoint, SPSS, Origin Pro 2022, Design expert, Curve expert Pro®