



Dr. Sheraz Ahmed
Assistant Professor,
Food Science & Technology,
(HEC Approved Supervisor),
Cholistan University of Veterinary and Animal Sciences,
Bahawalpur-Pakistan
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Personal Profile

Father's Name:	Muhammad Hanif
Date of Birth:	20 th December 1985
Gender:	Male
Nationality:	Pakistani
CNIC	31202-4852230-7

Education

2015	Ph.D. Food Science and Technology University of Agriculture, Faisalabad, Pakistan	Division: 1st
2010	M.Sc. (Hons.) Dairy Science and Technology University of Agriculture, Faisalabad, Pakistan	Division: 1st
2008	B.Sc. (Hons.) Agriculture Major subject: Food Science and Technology University of Agriculture, Faisalabad, Pakistan	Division: 1st
2003	Higher Secondary School Certificate Major Subject: Pre-Medical Board of Intermediate & Secondary Education, Bahawalpur - Pakistan	Division: 1st
2000	Secondary School Certificate Board of Intermediate & Secondary Education, Bahawalpur - Pakistan	Division: 1st

Work Experience

Dec 2018 – To Date	Assistant Professor Food Science & Technology, CUVAS
July 2015–Feb 2018	Assistant Professor Food Science & Technology, The Islamia University of Bahawalpur

Feb 2018–Nov 2018

Assistant Professor

Food Science & Technology,
Dadabhoy Institute of Higher Education,
Karachi, Pakistan

Jan 2008 - Jun 2008

Nestle Milk Pakistan

Internship

PhD Thesis

- ✚ Development of sportsman drink through fermentation technology.

MSc (Hons) Thesis

- ✚ Fatty acid profile of milk of different species cow, buffalo, sheep, goat and camel through gas chromatography.

Additional Duties

- ✚ Director External Linkages
- ✚ Principal Officer Estate Care
- ✚ Principal Horse Riding School
- ✚ Manager ORIC
- ✚ Advisor Clean & Green Society (HEC Nominee)
- ✚ Member MOU Signing Committee

Projects

1. Production of gelatin from plants sources. Funding Agency Pakistan Agricultural Research Council. ALP.2021-2024. NOC Received.
2. Whey based high energy drinks using *Lactobacillus delbrueckii subsp. bulgaricus* CRL 454. HEC. 2015-2017.

Scientific Publications

- Maham Shafiq, **Sheraz Ahmed**, Huma Naz, Saira Tanweer, Muhammad Umar Shafiq, Nida Bibi, Muhammad Rizwan Tariq, Maham Khalid, Fatima Khanum, Mohammed Saeed Alkaltham, Muhammad Shoaib, Gulzar Ahmad Nayik. 2026. Valorization of Papain Recovered from Papaya Peel Waste for Sustainable Food Applications. Waste and Biomass Valorization. **IF 3**
- Muhammad Awais Saleem, Aftab Ahmed, Mian Anjum Murtaza, Nida Firdous, Rizwan Arshad, Sadia Kharal, Mehwish Zerlasht, **Sheraz Ahmed**, Ashiq Hussain, Abdeen Elsiddig Elkhedir. 2026. Revealing the phytochemical diversity and bioactive potential of caterpillar mushroom (*Cordyceps militaris* L.) using analytical techniques. Scientific Reports. **IF 4**

- Nida Bibi, **Sheraz Ahmed**, Faiz-Ul Hassan, Zunaira mushtaq, Zahida Qadeer, Maham Shafiq, Muhammad Rizwan Tariq, Robert Mugabi, Emine Macit, Gulzar Ahmad Nayik. 2025. Isolation and characterization of Enterococcus faecium from camel milk and its potential use for value addition of functional yogurt. International Journal of Food Science and Technology. **IF 3.1**. <https://doi.org/10.1093/ijfood/vvaf253>
- Muhammad Bilal Shahid, Muhammad Nadeem, Tahir Mahmood Qureshi, Muhammad A. Shahid, Alaiha Asif, Rashad Mukhtar Balal, **Sheraz Ahmed**, Lala Rukh, Asad Nawaz, Naushad Ahmad. 2025. Comparison of thermo-sonication and conventional pasteurization on the quality attributes of some selected citrus fruit juices. Measurement: Food (17) **IF 3.6**
- Kirn S, Naz H, Ahmed, T, Abbaasi, F, Saheen, A, Asad, H, Prince, K, Ahmed, S, Umar Ijaz, M, Ali, B, Manzoor, M, Zidan, N. S, Sakran, M, Alalawy, A, Al-Duais, M, Omran, A, El Askary, A., Elsabagh, A. 2025.Acute chromium exposure induced alterations in behavioral, enzymatic and geno-toxic responses of ctenopharyngodon idella. Applied ecology and environmental research. 23(5):8711-8724. **IF 0.6**
- **Sheraz A**, Sharif MK and Butt MS. 2015. Physicochemical and amino acid profiling of cheddar, mozzarella and paneer whey. Pakistan Journal of Scientific and Industrial Research. 58(3):155-158. **IF 0.98**
- **Sheraz A**, Sharif MK, Butt MS, Gillani Z, Akram Z and Yousaf S.2020. Development of nutritious probiotic sportsman drink. Pakistan Journal of Pharmaceutical Sciences. 33(1): 191-197.**IF 0.98**
- Arshad, Bushra, Tahira Iqbal, Khalid Pervez Bhatti, and **Sheraz Ahmed**. 2021.Insights into Off-Label therapeutic strategies against mild and severe COVID-19 infection. Pakistan Journal of Pharmaceutical Sciences. 34 (4):1469-1484. **IF 0.8**
- Ijaz, Muhammad, Asma Arshad, Muhammad Ahmad Awan, Muhammad Rizwan Tariq, Shinawar Waseem Ali, Sajid Ali, Muhammad Shafiq, **Sheraz Ahmed**, Saeed Ahmed. 2021.Exploring the potential of curry leaves on mercury-induced hepatorenal toxicity in an animal model. Food Science & Nutrition. 10(2):499-506. **IF 3.9**
- Taufiq Nawaz, Muhammad Imran, Sana Noreen, Sheraz Ahmed, Hamna Ahmad. 2021. Polyphenols as pomegranate dietary agent. Bioscience Research. 18(2): 1758-1763.
- Zubda Yaqoob, Muhammad Sajid Arshad, Muhammad Kamran Khan, Muhammad Imran, Muhammad Haseeb Ahmad, **Sheraz Ahmed**, Mehr un Nisa, Faqir Muhammad Anjum, Urooj Khan, Waseem Khalid and Hafiz Ansar Rasul Suleria. 2020. Ultrasound-assisted

extraction of guava and papaya leaves for the development of functional shrimp patties. Food Science and Nutrition. 8(7):3923-3935. **IF 3.9**

- Ahmad I, Khalique A, Shahid MQ, Rashid AA, Faiz F, Ikram MA, **Sheraz A**, Imran M, Khan MA, Nadeem M, Afzal MI, Umer M, Imdad K, Shahbaz M and Rasool B. 2020. Studying the influence of apple peel polyphenol extract fortification on the characteristics of probiotic yoghurt. Plants. 9(1):77. **IF 4.1**
- Ayub R, Umer M, Maan AA, Rasool B, Khan MKI, Younis T, Abbas S, Sajjad M, Kaleem I, Imran M, Azmat Ullah, MS Afzal, Shah ZH, **Sheraz A**, Aslam F, Chaudhary N and Afzal MI. 2020. Antibiotics, acid and heat tolerance of honey adapted Escherichia coli, Salmonella Typhi and Klebsiella pneumonia. Foods. 9(3): 311. **IF 4.09**
- Arshad MS, Kwon J, Ahmad RS, Ameer K, **Sheraz A** and Jo Y. 2020. Influence of E-beam irradiation on microbiological and physicochemical properties and fatty acid profile of frozen duck meat. Food Science and Nutrition. 8(2):1020-1029. **IF 1.79**
- Ayan A, Ahmed I, Khan JM, Munir S, Hussain M, Khan AK, Jalal A, Qudus MA, Saleem MI, **Sheraz A**, Hussain S, Talpur MZ, Rahim K and Baloch Z. 2020. Hematological Changes and Comparative Efficacy of Allopathic and Herbal Drugs on Coccidiosis in Rabbits. Baltica. 33(2):78-99. **IF 0.50**
- Muhammad Asif Ali, Muhammad Nasir, Talat Naseer Pasha, Imran Javid, Azmat Ullah, Muhammad Amir Iqbal, **Sheraz Ahmed**, Muhammad Mudasser Nazir, Tanweer Aslam Gondal, Muhammad Imran, Javad Sharifi-Rad and Mohamad Fawzi Mahomoodally. 2020. Association of life style and dietary habits with blood choline and cardiovascular outcome. Cellular and Molecular Biology. 66 (4):178-183. **IF 1.46**
- Muhammad Asif Ali, Muhammad Nasir, Talat Naseer Pasha, Imran Javid, Rizwana Muzaffar, Anjum Rashid, Habib ur Rehman, Tanweer Aslam Gondal, Muhammad Imran, Javad Sharifi-Rad, Zafar Iqbal and **Sheraz Ahmed**. 2020. Preventive therapy of antioxidant vitamins against the blood choline levels in cardiovascular patients. Cellular and Molecular Biology. 66(4):184-190. **IF 1.46**
- Aurang Zeb, Riffat Ayesha, Syed Amir Gilani, Muhammad Shahbaz, Ali Imran, Ahmed El-Ghorab, Khaled Farouk El-Massry, Raheel Suleman, Tanveer Aslam Gondal, Muhammad Asif, **Sheraz Ahmed**, Muhammad Inam Afzal, Muhammad Tauseef Sultan, Atif Nasir Ahmad and Muhammad Imran. 2020. Safety Assessment of Foods at Capital

Hospital of Pakistan through the Hazard Analysis and Critical Control Point System. Journal of Food Protection. 83 (8): 1387–1395. **IF 2.8**

- Sidra Khalid, Misbah Arshad, Barira Saad, Muhammad Imran, Huma Bader Ul Ain, Tabussam Tufail¹, Muhammad Zia Shahid, Muhammad Atif, Muhammad Ikram Ullah, and **Sheraz Ahmed**. 2020. Cardio protective effects of dates. International Journal of Biosciences. 16(5):110-123.
- Taufiq Nawaz, Hamid Ali, Muhammad Imran, **Sheraz Ahmed**, Sana Noreen, Bahisht Rizwan, Muhammad Qumar, Faiza Iftikhar, Hamna Ahmed, Sana Farooq, Fatima Syed. 2020. Phytochemical screening and antibacterial activity of green synthesis of nanoparticles of Punica granatum. International Journal of Biosciences. 17(1):160-166.
- Muhammad Sohaib, Azmat Khan, Sher Ali, Adnan Amjad and **Sheraz Ahmed**. 2020. Lipids oxidative stability and microbial shelf life quality of licorice (Glycyrrhiza Glabra L.) extract supplemented chicken patties. Brazilian Journal of Poultry Science. 22(3): 01-010. **IF 0.75**
- Azam, Muhammad, Muhammad Saeed, Iqra Yasmin, Muhammad Afzaal, **Sheraz Ahmed**, Wahab Ali Khan, Muhammad Waheed Iqbal, Hafiz Tayub Hussain, and Muhammad Asif. 2021. Microencapsulation and invitro characterization of Bifidobacterium animalis for improved survival. Journal of Food Measurement and Characterization. 15: 2591-2600. **IF 3.5**
- Ali K, Mehmood MH, Iqbal MA, Masud T, Qazalbash M, Saleem S, **Sheraz A**, Tariq MR, Safdar W, Nasir MA, Saeed MT, Muhammad A and Sheas MN. 2019. Isolation and characterization of exopolysaccharide producing strains of Lactobacillus bulgaricus from curd. Food Science and Nutrition. 7(4):1207-1213. **IF 3.9**
- **Sheraz A**, Zahoor T, Huma N, Sajid W, Ahmad F and Javed S. 2013. Fatty acids profile of milk of cow, buffalo, sheep, goat and camel by gas chromatography. Middle-East Journal of Scientific Research. 13 (8): 1033-1042. **IF 0.25**
- Tariq MR, Khan MI, Ahmad Z, **Sheraz A**, Sameem A and Javed MS. 2016. Development of healthier rabbit meat by supplementation of linseed in the feed and its impact on human blood lipid profile. Journal of Processing and Preservation. 41(1). **IF 1.79**
- Imran M, Nadeem M, Saeed F, Khan MA, **Sheraz A**, Rauf A and Imran A. 2016. Immunomodulatory perspective of potential biological spices with special reference to cancer and diabetes. Food and Agricultural Immunology. 28(4):543-572. **IF 2.15**

- Muhammad Sajid Arshada, Ahmed H. El-Ghorab, Muhammad Imran, Aimen Ather and Sheraz Ahmed.2017. High Pressure Processing: A Novel Approach to Preserve Fresh and Value Added Meat and Meat Products. Research Journal of Pharmaceutical, Biological and Chemical Sciences. 8(3) 761. **IF 0.35**

Conferences and Workshops

- Climate Action Education Curriculum and Digital Learning Portal. Higher Education Commission, Islamabad. 11-24-2025 to 11-27-2025.
- Organized and participated in Mango Festival DHA Bahawalpur. Won 1st position in mango cake competition.20-07-2024.
- Organized and participated in Mango Festival MNSUA Multan. Won 1st position in mango cake competition.26-07-2024.
- Organized and participated in seminar on Halal Foods: Current Scenario and Future Prospects for Pakistan.10th Feb 2023.
- Organized and participated in Spring Festival Horse and Camel Show at CUVAS, Bahawalpur. 6th April 2023.
- Organized and participated in Spring Festival Horse and Camel Show at Jeep Rally, Qila Drawer, Bahawalpur. 10th Feb 2022.
- Participated in five-days Training on Biorisk Management on June 21-25, 2021 at Cholistan University of Veterinary & Animal Sciences, Bahawalpur.
- Participated in Punjab Higher Education Commission five-day online Faculty Orientation Training Workshop, November 02-06, 2020 at Cholistan University of Veterinary & Animal Sciences, Bahawalpur.
- Organized and participated in Green and Clean Pakistan Plantation Drive on 20th August, 2020 at CUVAS.
- Organized and participated in Green and Clean Pakistan Plantation Drive on 29th October, 2020 at CUVAS.
- Organized and participated in Green and Clean Pakistan Plantation Drive on 20th November, 2020 at CUVAS.
- Organized and participated in Spring Festival Horse and Camel Show on March, 2021 at CUVAS.

- Organized 3 days “In-service competency enhancement training for young faculty” held in CUVAS, Bahawalpur in collaboration with Center for Educational Policy and Administration, UVAS Lahore on 28th to 30th Jan, 2019.
- Organized 1-day workshop entitled “application of statistical package for the social sciences (SPSS) in research” held in CUVAS, Bahawalpur on 23rd April, 2019.
- Organized 2 days “In-service competency enhancement training for young faculty” held in CUVAS, Bahawalpur in collaboration with Center for Educational Policy and Administration, UVAS Lahore on 25th to 26th April, 2019.
- Organized 1 day hands on training workshop on “Introduction to Endnote” in collaboration with department of epidemiology and public health, CUVAS, Bahawalpur on 29th April, 2019.
- Organized Awareness Seminar and Campaign on World's Rabies Day in CUVAS, Bahawalpur on 27th Sep, 2019.
- Organized World Egg Day in CUVAS, Bahawalpur on 11th Nov, 2019.
- Participated in 1-day International symposium on “Zoonotic Disease of Camel” in CUVAS, Bahawalpur on 7th Nov, 2019.
- Participated 1 day hands on training workshop “Bio Risk Management in Biological Labs” organized by department of microbiology in collaboration with Pakistan Biological Safety Association in CUVAS on 20th Dec, 2019.
- International workshop on “technological, biochemical, microbiological, sensorial and manufacturing aspects of French cheeses” Cheese taste session with French Scientists, persons from French Embassy and members of Pakistan France Alumni Network held at University of Agriculture, Faisalabad-Pakistan on February 21-23,2011.
- A seminar on World Wide Dairy Situation especially in France by Professor Gean-Francois Grongnet and Prof. Frederic Gaucheron Agrocampus Rennes, France held at University of Agriculture, Faisalabad-Pakistan on August 30,2006.
- 4 days’ Workshop on Milk Biochemistry organized by National Institute of Food Science & Technology in collaboration with INRA, France.
- Participated in 2 days’ International workshop on recent methods in nutrition held at University of Agriculture, Faisalabad 13-12-2016.
- Participated in 2 days’ International conference on cheese and exotic food festival held at University of Agriculture, Faisalabad 26-11-2015.

Under Graduate Students

Class Co-ordinator

- BS Food Science & Technology 2020-2024
- BS Food Science & Technology 2022-2026
- BS Human Nutrition & Dietetics 2020-2024

Post Graduate Students

PhD Students Supervised

PhD synopsis submitted

Post Graduate Students

MPhil Students Supervised

2024-2026

1. Physico-chemical characteristics, microbiological quality and sensory acceptability of ice cream supplemented with juice from various citrus varieties

2023-2025

2. Physico-chemical and organoleptic characterization of ice-cream using local mango varieties
3. Exploring the functional properties of papain extracted from papaya peel waste for food applications
4. Physico-chemical characteristics, sensory evaluation and shelf stability of nutri-bar incorporated with quinoa seed
5. Use of solid state fermentation to improve nutraceutical contents of carrot and apple pomace: value addition options for cupcakes
6. Physico-chemical characteristics and shelf stability of apple jam supplemented with mulberry

2023-2025

7. Quality evaluation of fats and oils to be used for frying by the local vendors of Bahawalpur city
8. Development and characterization of orange marmalade supplemented with olive fruit
9. Physico-chemical characteristics and sensory evaluation of apple jam supplemented with olive fruit
10. Isolation and characterization of *Enterococcus faecium* from camel milk and its potential use for value addition of yogurt.

2020-2022

11. Development of functional ice cream using camel milk and wheat germ oil
12. Optimization of herbal paneer using Cholistani cow milk
13. Optimization of ice cream using potato gel as a stabilizer
14. Development and optimization of dahi using rice bran
15. Standardization of ice cream using chia seed gel as a stabilizer

2021-2023

16. Development of flavored yogurt using banana
17. Fortification of yogurt using flax seed and chia seed gel
18. Development of oat fortified yogurt using sweet potato starch as thickener
19. Development of low fat yogurt using carrot and psyllium seed husk gel

20. Development of flavored yogurt using apple

Memberships Languages

✚ Pakistan Society of Food Scientists & Technologists

✚ English

✚ Urdu

Subjects of Interest

✚ Food Processing and Preservation

✚ Food Safety

✚ Functional Foods

Objectives

✚ In the present era where there is a cut-throat competition at every stage of industrial activities, my aim is not to produce the health promoting commodities only but to produce the goods to meet the requirements of the consumers to their maximum satisfaction and also work towards a work environment that is free from hostility, discrimination and harassment in a dynamic progressive organization through firm commitment in the field of food and nutrition.

Co- Curricular Activities UAF

✚ **GOLD MEDAL. UAF. 2010**

✚ President: The Debating Club. UAF.2010

Won 20 positions at national level in debates and poetry

Reference

Aamir Shehzad, PhD

Professor – Food Science & Agro-Industry

Normandy University, France

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