

Dr. Muhammad Rizwan Tariq

Present Address

Assistant Professor
Institute of Agricultural
Sciences,
University of the Punjab Lahore

Permanent Address

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Date of Birth: 29th March 1986

Gender: Male

Nationality: Pakistani



PROFESSIONAL QUALIFICATION

Ph.D (Food Technology)		2015
M.Sc. (Hons.) (Food Technology)	3.65/ 4.00 (75 %)	2010
University of Agriculture, Faisalabad, Pakistan		
B.Sc. (Hons.) Agriculture	3.52/ 4.00 (75 %)	2008
Major subject: Food Technology		
University of Agriculture, Faisalabad, Pakistan		
Higher Secondary School Certificate	758/1100 (70 %)	2004
Major Subject: Pre-Medical		
Board of Intermediate & Secondary		
Education, Multan – Pakistan		
Secondary School Certificate	612/850 (72%)	2001
Board of Intermediate & Secondary		
Education, Multan – Pakistan		

PROFESSIONAL EXPERIENCE

- Working as **Assistant Professor** Food Science and Technology, University of the Punjab Lahore from **December 30, 2019**
- Worked as **Assistant Professor** Diet and Nutritional Sciences, University of Lahore Islamabad from **September 25, 2017 to 29 December 2019**

- Worked as **Assistant Professor** Food Science & Technology, University College of Agriculture & Environmental Sciences, The Islamia University of Bahawalpur from **February 25, 2016 to September 15, 2017**.
- Worked as Head of Department of food and nutrition at GC University Faisalabad-Sahiwal campus from **November 27, 2014 to December 28, 2015**
- Internship at Allied hospital Faisalabad As a Nutritionist (**March 2010 – August 2010**)
- Internship at United Industries (pvt.) limited Faisalabad As a Quality Assurance and Quality Control Supervisor (**February 2008 - June 2008**)

RESEARCH TRAINING

Research training under **HEC IRSIP** at University of Illinois at Urbana-Champaign USA

(**August 2013 - January 2014**)

RESEARCH GRANTS

As a Principle Investigator

1. “Nutritional profile and quality attributes of rabbit meat as compared to indigenous chicken.2016-2017 **0.5 million PKR**. Funded by **Higher Education Commission (HEC), Pakistan**

WORKSHOPS AND TRAININGS

- Training course on “Pakistan Halal Standards PS-3733 Implementations in Food Industries” October 01, 2016 Organized by National Alliance for Safe Food and Jamia Markaz Uloom-e-Islamia.
- Technical Workshop on “Food safety, Hygiene and Quality-HACCP Based Approach" May 18, 2016 jointly Organized by National Alliance for Safe Food & COMSATS Sahiwal.
- One-day training on “Cite While You Write” by using Endnote Software, April 12, 2016 Organized by Main Library Baghdad-ul-Jadeed Campus, The Islamia University of Bahawalpur.
- International workshop on Application of soy proteins in meat extrusion, meat replacement and structuring technologies organised by American Soybean Association (ASA) and World Initiative for Soy in Human Health (WISHH) in collaboration with Meat Science Laboratory, National Institute of Food Science & Technology, University of Agriculture, Faisalabad-Pakistan. 09 May, 2014.
- Training course on “Supercritical Fluid Extraction Technique: Isolation of Functional and Nutraceutical Food Components” Organized by NIFSAT. October 20-22, 2012.

- Workshop on “Food industry needs based projects for research in academia”. 17 June, 2010 at University of Agriculture, Faisalabad-Pakistan.

CONFERENCES AND SEMINARS

- One day seminar on “Safe Food Healthy Nation" November 16, 2017 jointly organized by National Alliance for Safe Food & UOL Islamabad campus.
- Two days International Conference on “Malnutrition & Food Expo 2016” Organized by IFSN Bahauddin Zakariya University Multan.
- One day National Conference on “Climate Change and Plant Biodiversity 2016”. April 01, 2016 Organized by GC University Faisalabad-Sahawal Campus.
- A Seminar on “Food safety challenges in Pakistan”. January 28, 2016 Organized by GC University Faisalabad-Sahawal Campus.
- A Seminar on “Future Perspective of food scientists & Nutritionists”. September 8, 2015 Organized by GC University Faisalabad-Sahawal Campus.
- International Conference on “Nutritional therapies against lifestyle related disorders” Organized by NIFSAT. May 29-30, 2014.
- International Conference on Emerging Issues in Nutrition and Food Safety. March 21-23, 2013.
- Future Perspectives of Food Processing Industry in Pakistan. December 11-12, 2012 Organized by NIFSAT.
- 10th International and 22nd National Chemistry conference, November 21-23, 2011 at University of Agriculture, Faisalabad-Pakistan.
- International Conference on “Technological and Scientific Aspects of Dairy Products with Special Reference to French Cheeses. Organized by NIFSAT. February 21-23, 2011.
- International Seminar on Halal Food Production. Organized by NIFSAT. January 14, 2011.
- International Conference on “Recent advances in human nutrition with special reference to vulnerable groups”. 22-25 February, 2010 at University of Agriculture, Faisalabad-Pakistan.

RESEARCH WORK

- Effect of Different Stabilizers on the Quality of Carbonated Flavoured Whey drink
- Exploring the Potential of Rabbit Meat as a Functional Food
- Skeletal muscle tissue gene expression with specific emphasis of diet on inflammation and insulin resistance gene networks of dairy cattle

RESEARCH PAPERS

Title	Journal	Year	Status	Impact Factor	ISSN #	Category
A Comparative study on extraction and characterization of melon seed oil and its application in baking	The Journal of Animal and Plant Sciences	2019	Published	0.529	1018-7081	W
Hypocholesterolemic effect of oat seeds on the rabbit and meat quality	Punjab University journal of zoology	2019	Published	HEC Recognized	2313-8556	Y
Comet Assay: Quantification of Damaged DNA in Catla catla Exposed to Endosulfan+Chlorpyrifos	Punjab University journal of zoology	2019	Published	HEC Recognized	2313-8556	Y
Exploring the Potential of Honey and Curcumin as Antidepressant	Punjab University journal of zoology	2019	Published	HEC Recognized	2313-8556	Y
Isolation and Characterization of Exopolysaccharide Producing Strains of <i>Lactobacillus bulgaricus</i> from Curd	Food Science & Nutrition	2019	Published	1.741	2048-7177	W
Effect of CaCl ₂ and controlled atmosphere storage on phytochemical characteristics of guava fruit	The Food Science and Technology	2018	Published	1.223	0101-2061	W
Peripheral leukocyte and endometrium molecular biomarkers of inflammation and oxidative stress are altered in peripartal dairy cows supplemented with Zn, Mn, and Cu from amino acid complexes and Co from Co glucoheptonate	Journal of Animal Science & Biotechnology	2017	Published	3.441	2049-1891	W

Development of healthier rabbit meat by supplementation of linseed in the feed and its impact on human blood lipid profile	Journal of food processing and preservation	2017	Published	1.288	1745-4549	W
Corium molecular biomarkers reveal a beneficial effect on hoof transcriptomics in peripartal dairy cows supplemented with zinc, manganese, and copper from amino acid complexes and cobalt from cobalt glucoheptonate	Journal of Dairy Science	2016	Published	3.082	0022-0302	W
Effect of flaxseed enrichment on quality attributes of rabbit meat and meat product	The Journal of Animal and Plant Sciences	2016	Published	0.529	1018-7081	W
Meat flavour precursors and factors influencing flavour precursor-A systematic review	Meat Science	2015	Published	3.483	0309-1740	W
Insulin sensitivity in adipose and skeletal muscle tissue of dairy cattle in response to dietary energy level and 2,4-Thiazolidinedion (TZD)	Plos One	2015	Published	2.776	1932-6203	W
Enrichment of flaxseed for developing functional rabbit meat	Sarhad journal of agriculture	2015	Published	HEC Recognized	1016-4383	X
Effect of stabilizers on the quality of carbonated flavoured whey drink	African Journal of Agricultural Research	2013	Published	International	1991-637X	-
Nutritional and therapeutic properties of whey-A review.	Annals Food Science Technology	2013	Published	International	2344-4916	-

Quality assessment of meat in relation to colour and muscle fiber types	Pakistan Journal of Food Science	2013	Published	National	2226-5899	-
Application of edible coating for improving meat quality: A review.	Pakistan Journal of Food Science	2013	Published	National	2226-5899	-
Total IF				18.092		

ABSTRACT PUBLISHED IN PROCEEDING/PROFESSIONAL PRESENTATION/TALK

- **Tariq M. R.**, Ahmad Z., M. I. Khan, M. S. Javed, M. A. Nasir, S. Ahmad. Advances in research on the quality and safety of poultry meat. International Conference on Foods of Animal Origin, March 30-31, 2017.
- **Tariq M. R.**, Ahmad Z., M. I. Khan, M. S. Javed, M. A. Nasir, S. Ahmad. Advances in research on the quality and safety of rabbit meat. 3rd International conference on safe food for all, March 2-3, 2017.
- Ahmad Z., R Hussain, M. A. Nasir, M. Riaz, **M. R. Tariq**. Bio-evaluation of sunset yellow color in wistar rat. Research and Enterprise on Food Safety in Developing World-An international conference, Dec 5-8, 2016.
- **Tariq M. R.**, Ahmad Z., M. I. Khan, M. S. Javed, M. A. Nasir, S. Ahmad. Exploring processing technologies to enhance shelf stability and safety of meat and meat products. Research and Enterprise on Food Safety in Developing World-An international conference, Dec 5-8, 2016.
- Nasir M. A., Z. Ahmad, M. S. Javed, **M. R. Tariq**. Inventions in processing techniques, a promising tools for food safety. Research and Enterprise on Food Safety in Developing World-An international conference, Dec 5-8, 2016.
- Javed M. S., Z. Ahmad, M. W. Sajid, **M. R. Tariq**, M. A. Nasir. Milk Contamination an Existential risk. Research and Enterprise on Food Safety in Developing World-An international conference, Dec 5-8, 2016.
- **Tariq M. R.**, A. Sameen, M. I. Khan and S. Ahmad. Utilization of Whey for production of Valuable Dairy Product (Whey Drink). 2nd International Conference on Food Properties (ICFP) Bangkok, Thailand. May 31-2 June 2016.

- **Tariq M. R.**, M. I. Khan, A. Sameen and N. Huma. 2016. Possible Impacts of Climate Change on Food Safety and Security. Organized by GC University, Faisalabad-Sahawal Campus. April 01, 2016.
- **Tariq M. R.** Food safety challenges in Pakistan. Organized by GC University Faisalabad-Sahawal Campus. January 28, 2016.
- **Tariq M. R.** Future Perspective of Food Scientists & Nutritionists. Organized by GC University Faisalabad-Sahawal Campus. September 8, 2015.
- Khan, M. I., **M. R. Tariq** and C. Jo. 2015. Development of Low Fat Rabbit Meat through Dietary Supplementation of Oat. KoSFoST International Symposium and Annual Meeting: Food beyond Science and Technology. June 3-5, 2015, Bexco, Busan, Korea.
- **Tariq M. R.**, M. I. Khan., Faiz F and R. Parveen. 2014. Nutritional therapies for reducing risk of bone diseases. Two days international conference on nutritional therapies against lifestyle related disorders organized by National Institute of Food Science & Technology University of Agriculture, Faisalabad-Pakistan. May 29-30, 2014.
- **Tariq M. R.**, Khan, M. I., A. Sameen and N. Huma. 2012. Health benefits of functional foods. Future Perspectives of Food Processing Industry in Pakistan organized by Department of Food Science, GC University, Faisalabad. December 11-12, 2012.
- Khan, M. I., **M. R. Tariq** and A. Sameen. 2012. The role of meat and meat products as functional foods. Future Perspectives of Food Processing Industry in Pakistan organized by Department of Food Science, GC University, Faisalabad. December 11-12, 2012.
- Khan, M. I., A. Sameen, **M. R. Tariq** and M. S. Arshad. 2011. Strategies for the production of healthier meat and meat products. 10th International and 22nd National Chemistry conference, University of Agriculture, Faisalabad. November 21-23, 2011.
- Sameen, A., M. I. Khan, M. Sajid and **M. R. Tariq**. 2011. Therapeutic properties of butter milk. 10th International and 22nd National Chemistry conference, University of Agriculture, Faisalabad. November 21-23, 2011.
- Sameen, A., N. Huma, M. I. Khan, A. Yasmeen and **M. R. Tariq**. Whey and whey protein from drain to gain. International science conference on utilization of modern agriculture technology in changing environmental perspectives July 21-23, 2010.

INTERPERSONEL SKILLS

Windows operating and Programming, Microsoft Office (Word, Excel, PowerPoint)

LANGUAGE SKILLS

Holding English Proficiency Certificate Awarded by University of Agriculture, Faisalabad

SPORTS

Cricket, Football, Fris B, Volley Ball, Hockey, Badminton

REFERENCES

DR. MUHAMMAD ISSA KHAN

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University of Agriculture, Faisalabad – Pakistan.

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