



Dr. Muhammad Imran
S/o Khadim Hussain

Personal Information:

Date of Birth : September,02-1984
Religion : Islam Contact Cell : +92 332 4746613
Language: Competency: English, Urdu.Marital Status: Married

Demain Of interest

Functional and Nutraceutical Foods Nutrition and Food Safety
Development of Cost Effective Thnology
Problem Oriented Research for Food Industry

Qualification

PHD, 2013, Food Technology,

National Institute of Food Science and Technology, University of Agriculture
Faisalabad

Characterization of Mango peel Mangiferin to elucidate its Nutraceutical
Potential

Divission, Ist

MSC(Hons.), 2009, Food Technology

National Institute of Food Science and Technology, University of Agriculture
Faisalabad

Divission, Ist, 3.40/4.00

BSC(Hons.), 2006, Food Technology

Divission, Ist, 3.12/4.00

National Institute of Food Science and Technology, University of Agriculture
Faisalabad

FSC-Premedical, 2002

Govt. Islamia College Civil Lines, Lahore

Divission, Ist, 736/1100

Matriculation, 1999

Govt. High School Imamia Colony, Fezrowala, Sheikhpura

Divission, Ist, 623/850

Teaching Experience

Assistant Professor/HOD 10-12-2021-To Date

Department of Food Science and Technology, University of Narowal

Professor

University Institute of Diet and Nutritional Sciences, The University of Lahore,
Lahore

01-10-2019 to 09-12-2021

Associate Professor

University Institute of Diet and Nutritional Sciences, The University of Lahore,
Lahore

17-10-2017 to 30-09-2019

Assistant Professor

University Institute of Diet and Nutritional Sciences, Imperial College of Business
Studies, Lahore

30-09-2015-16-10-2017

Assistant Professor

Institute of Food Science and Nutrition, Bahauddin Zakariya University,
Multan

04-10-2013 to 04-10-2014, Visiting Teacher-05-10-2014-30-06-2015

Total Teaching Experience= MoreThan 12YEARS

Impact Factor and Citation

TOTAL IMPACT FACTOR=709.28

Total Citations=16369

h-Index=57

I10 Index=138

CONTRIBUTION TO CURRENT UNIVERSITY

SIGNED A MOU BETWEEN LAHORE MEDICAL RESEARCH CENTRE
AND DEPARTMENT OF FOOD SCIENCE & TECHNOLOGY-2026

Contributed approximately 490.20 Impact factor

Contributed more than 15016 Citations

Contributed 44 H-Index

Organized Food Festival and Product Development Competition as Chief Organizer

Organized Food Innovations Competition as Chief Organizer

Conduct Two Days Training in Collaboration with Pak-Korean Nutrition Centre-UAF as a Focal Person

START NEW DEGREE PROGRAM MS-FOOD SCIENCE & TECHNOLOGY

Organized Poster and Innovative Product Development Competition as Chief Organizer

AS CONVENER CONDUCTED FIRST BOARD OF STUDIES

ESTABLISHED DEPARTMENTAL SOCIETY AS A CONVENER

START NEW DEGREE PROGRAM BS-HUMAN NUTRITION & DIETETICS

Achievements

- 1. TOP 5% Researcher World Wide-2026 by Global Science Registry**
- 2. Highly Cited Paper-2026 by Journal of Food Biochemistry, Wiley Publishers**
- 3. Highly Cited Researcher Clarivate-HCR-2021, 0.1% of World Researcher**
- 4. Highly Cited Researcher Clarivate-HCR-2022, Identified as Preliminary Member**
- 5. Research Productivity Award-2022 (No. of papers per Faculty Member)-University of Narowal**
- 6. Research Productivity Award-2022 (More Impact Factor per Faculty Member)-University of Narowal**
- 7. Research Productivity Award-2022 (No. of papers per Department)-University of Narowal**
- 8. Research Productivity Award-2022 (Best paper produced by Faculty Member)-University of Narowal**
- 9. Research Productivity Award 2021 (TOP 5 RESEARCHER UNIVERSITY OF LAHORE)**
- 10. Research Productivity Award 2020 (TOP 5 RESEARCHER UNIVERSITY OF LAHORE)**
- 11. Research Productivity Award 2019 (TOP 5 RESEARCHER UNIVERSITY OF LAHORE)**
- 12. Research Productivity Award 2018 (TOP 5 RESEARCHER UNIVERSITY OF LAHORE)**
- 13. TOP Cited Paper Phytotherapy Research 2018-19**
- 14. Editor in Chief in Journal of Nutritional and Food Sciences (<https://www.dietfactor.com.pk/index.php/df/about/editorialTeam>)**

15. **Book Published as An Editor**
16. **Editor IN Tech Open Publishing Company**
17. **Indegious HEC Scholarship (MPHIL LEADING PHD)**
18. **IRSIP TRAINING, UNIVERSITY OF GLASGOW-UK**
19. Successfully organized a one day seminar on entitled : Food Safety and Health; Challenges and Solutions funded by Higher Education of Pakistan, on 11th June, 2015 at Department of Food Science and Technology, BZU, Multan. (As a organizer).
20. Organized Two Days International Conference on Malnutrition in South Asia: The Peril Persists at February 23-24, 2015. (Member of Organizing Committee).
21. Successfully completed the Internship programme of B.Sc (Hons.) students and placed them in national/international industries etc. (Internship Coordinator)
22. Successfully running Journal that covers all aspects of Food entitled “International Journal of Food and Allied Sciences”.
23. **Research Coordinator-University** Institute of Diet and Nutritional Sciences, University of Lahore, 2018-2021

AS A GUEST EDITOR

Frontiers in Nutrition Impact Factor= 3.365 Editor: INTECH

Open Publishing Company

Editor: Dr. Muhammad Imran

Co-Editor: Dr. Ali Imran

"Malnutrition," 978-1-83880-517

3, visit the book page for details

here: <http://www.intechopen.com/books/malnutrition>

PROJECT EVALUATOR

1-Evaluated the PHD Thesis as External Examiner:

Title: Influence of bone marrow-derived mesenchymal stem cells and curcumin nanoparticles on experimentally-induced osteoarthritis in male albino rats.

Faculty of Science, **Beni-Suef University, Egypt**

2-Characterization of Peppermint and Coriander Encapsulation for Therapeutic Application

2-“The effects of Vegetable Fat vs Animal fat based dairy product consumption on growth and development of school going children: Scientific evidence for regulatory and dairy industry in Punjab” funded by HEC, Islamabad, Pakistan.

1. Technology and Skill based programs (Life Technologies) UON/REG/26/298
2. Utilization Committee for Commercial Area and Cafeteria, UON/REG/26/324
3. Strategic Plan, 2026-2030-UON, UON/REG/26/240
4. Cultural Night: Promote Cross Cultural Understanding Through Music, Food and

Performances, UON/REG/26/242

5. Organizing/Management Committee for 2nd Narowal Peace Conference, 5,6 May, UON/REG/26/350

Prime Responsibilities

- 1- Head of Department, Department of Food Science and Technology, University of Narowal, 2021-Till date.
- 2- Convener, Cafeteria University Committee, UON, 2024-Till Date
- 3- Old Campus Director, UON 2022-June-2023
- 4- Member of University Research Journal Committee-UON
- 5- Member of Admission Committee-UON
- 6- Member of UON Vision and Mission Committee UON/REG/26/203

Other Prime Responsibilities in Previous Teaching Institutes

1-Internship Coordinator 4-Organizing Seminar

2-Time table secretary

Internship Coordinator

3-Prepared Date sheet

4-Member of committees and other departmental responsibilities etc Intra departmental responsibilities

5-Focal Person of Departmental Board of Studies

6-Member of Project Evaluation Committee

7-PHD, Convener, Food Science and Technology

8-Member of Academic Council of UOL

Internships

Organization

Vita Bread Lahore (Private Food Industry)

Designation and Tenure

Internee/4 Months

Organization

Research Organization, (Ayub Agriculture Research Institute

Faisalabad)

Designation and Tenure

Internee/4 Months

AS Supervisor Students

MPHIL-12

Co-Supervisor-10

News article

Article published in Daily Times entitled “ Fruits, vegetables slash risk of all-cause mortality by 40pc, researchers at October 15, 2014.

AS REVIEWER TO JOURNALS

International journal of food properties

Food science and nutrition

Journal of functional foods

Critical review in food science and nutrition

Food hydrocolloids

Journal of Funtional Foods
 Pure and applied biology
 Journal of Food Processing and Preservation.....

Workshops and Seminars:

1. Workshop on Recent Advances on Food Analysis, held on February 7, 2009 at National Institute of Food Science and Technology, University of Agriculture, Faisalabad
2. One day workshop on "Halal Food Issues and Ingredient Concerns" held on June 29, 2009 at PCSIR Laboratories, Lahore-Pakistan
3. 20th All Pakistan Food Science Conference held on February 22, 2010 at University of Agriculture, Faisalabad, Pakistan.
4. International conference on Recent Advances in Human Nutrition with Special Reference to Vulnerable Groups'. February 22-25, 2010. University of Agriculture, Faisalabad, Pakistan
5. One day workshop on "Food industry needs based projects for research in academia, held on June 17, 2010 at National Institute of Food Science and Technology, University of Agriculture, Faisalabad
6. International Science Conference on Utilization of Modern Agriculture Technology in Changing Environmental Prospective. July 21-23, 2010. Faculty of Agriculture, Rawalakot, The University of Azad Jammu & Kashmir
7. 21st All Pakistan Food Science Conference held on December 13, 2010 at PCSIR Laboratories, Lahore-Pakistan
8. International Conference on Technological and Scientific Aspects of Dairy Products with Special Reference to French Cheese. February 21-23, 2011. National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan
9. Food Product Development Competition. February 24, 2011 organized by National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan
10. National Food Safety Conference, July 12, 2011 organized by The University of Faisalabad in collaboration with Pakistan Society of Food Scientists and Technologists.
11. International conference on Prospects & Challenges to Sustainable Agriculture. July 14-16, 2011. Faculty of Agriculture, Rawalakot, The University of Azad Jammu & Kashmir.
12. One day Seminar workshop on "Soy Protein in Pizza Toppings" "Soy Protein application in the Meat Industry" September 13, 2011 organized by American Soybean Association at Pearl Continental Hotel Lahore.
13. International conference on "Emerging Issues in Food Safety" and 22nd All Pakistan Food Science Conference. November 14-16, 2011. National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan.
14. International conference on "Functional Foods & Nutraceuticals" December, 4,5, 2013 organized by Department of Food Science, Nutrition and Home Economics, Government College University, Faisalabad, Pakistan.
15. One day seminar on "Biosafety and Biosecurity-Health, Research and Industry" December 10th 2013 organized by Biological Safety Association of Pakistan, American Society for Microbiology, USA and Institute of Pure and Applied Biology, BZU

16. One day seminar “ Emerging Infectious Diseases and Diagnostics” February 12, 2014 organized by Department of Food Science and Technology, BZU, Multan.
17. Two days international conference “Malnutrition in Sout Asia: The Peril Persists, February 23- 24, 2015 at Department of Food Science and Technology, BZU, Multan.
18. Pak Case and Innovative Ideas Competition 2nd in Series 2018. University of Lahore (Organizing member)

Publications:

TOTAL IMPACT FACTOR=709.28

Total Citations=16369

h-Index=57

I10 Index=138

PUBLICATIONS DETAILS: TOTAL IMPACT FACTOR=709.28

Google scholar link= [Dr. Muhammad Imran - Google Scholar](#)

Publications-2026

1. Ushna Momal, Muhammad Shahbaz, Asfa Perween, Muhammad Hammad ul Hassan, Hammad Naeem, Zubda Shahid, Muzzamal Hussain, Muhammad Imran, Suliman A. Alsagaby, Waleed Al Abdulmonem, Mohamed A. Abdelgawad, Mohammed M. Ghoneim, Tadesse FentaYehuala, Samy Selim, Ehab M. Mostafa.2026. Anticancer Molecular Mechanisms of Curcuminoids: An Updated Review of Clinical Trials. Food Science & Nutrition, 2026; 14:e71452. . **IF=3.90**
2. Muhammad Shahbaz, Ushna Momal, Asfa Perween, Hammad Naeem, Muzzamal Hussain3 Gamal A. Mohamed, Sabrin R. M. Ibrahim, Suliman A. Alsagaby, Muhammad Imran, Waleed Al Abdulmonem, Entessar Al Jbawi, Mohamed A. Abdelgawad, Samy Selim, Soad K. Al Jaouni, Hagar M. Mohamed.2026. Anticancer Molecular Mechanisms of Phytosterols: An Updated Review on Clinical Trials. Food Science & Nutrition, 2026; 14:e71505 <https://doi.org/10.1002/fsn3.71505>. **IF=3.90**
3. Hassan Raza, Muhammad Tauseef Sultan, Asad Abbas, Aimen Mazhar, Ahmad Mujtaba Noman, **Muhammad Imran**, Muzzamal Hussain, Ehab M Mostafa, Ahmed H El-Ghorab, Mohammed M Ghoneim, Samy Selim, Mohamed A Abdelgawad, Anjuman Gul Memon, Entessar Al Jbawi.2026.Ricinus Communis: Nutritional Importance, Health Benefits, and Industrial Applications. eFood. 7(1), e70117. **IF=5.70**

Publications-2025

4. Abdur Rauf, Rahaf Ajaj, Zuneera Akram, Nabia Hafeez, Maksim Rebezov, Mohammad Ali Shariati, Abdullah SM Aljohani, **Muhammad Imran**, Fahad Tanveer, Hassan A Hemeg, Mohammad S Mubarak.2025. Ferulic acid as a promising candidate for developing selective and effective anti-cancer therapies. Discover Oncology, 16, 1214.**IF=2.90**
5. Naeem H, Shahbaz M, Momal U, Irshad N, Imran M, Hussain M, Yehuala TF, Abdelgawad MA, Mostafa EM, Ghoneim MM, Selim S, Al Jaouni SK, Alsagaby SA, Al Abdulmonem W. Anticancer Potential of Wogonin: A Comprehensive Treatise. Food Sci Nutr. 2025 Oct 27;13(11):e71128. doi: 10.1002/fsn3.71128. PMID: 41164269; PMCID: PMC12558816. **IF=3.90**
6. Shahbaz M, Momal U, Mohamed HM, Perween A, Naeem H, Imran M, Hussain M, Mohamed GA, Ibrahim SRM, Yehuala TF, Alsagaby SA, Al Abdulmonem W, Abdelgawad MA, Mostafa EM, Selim S. Elucidating the Anticancer Mechanisms of Tetrahydroxycurcumin: A Comprehensive Review of

- Preclinical Studies. *Food Sci Nutr.* 2025 Oct 29;13(11):e71125. doi: 10.1002/fsn3.71125. PMID: 41179371; PMCID: PMC12571771. **IF=3.90**
7. Noman AM, Sultan MT, Mazhar A, Khan WA, Imran M, Hussain M, Mostafa EM, El-Ghorab AH, Ghoneim MM, Selim S, Abdelgawad MA, Al Jbawi E, Alsagaby SA, Al Abdulmonem W. Eugenol: An Insight Into the Anticancer Perspective and Pharmacological Aspects. *Food Sci Nutr.* 2025 Aug 3;13(8):e70727. doi: 10.1002/fsn3.70727. PMID: 40761498; PMCID: PMC12318832. **IF=3.90**
 8. Noman AM, Sultan MT, Mazhar A, Baig I, Javaid J, Hussain M, Imran M, Alsagaby SA, Al Abdulmonem W, Mujtaba A, Yehuala TF, Ghoneim MM, Mostafa EM, Abdelgawad MA. Anticancer Molecular Mechanisms of Epigallocatechin Gallate: An Updated Review on Clinical Trials. *Food Sci Nutr.* 2025 Aug 1;13(8):e70735. doi: 10.1002/fsn3.70735. PMID: 40755497; PMCID: PMC12314796. **IF=3.90**
 9. Maaz M, Sultan MT, Khalid MU, Raza H, Imran M, Hussain M, Al Abdulmonem W, Alsagaby SA, Abdelgawad MA, Ghoneim MM, Khan MA, Yehuala TF, Selim S, Mostafa EM. A Comprehensive Review on the Molecular Mechanism of Lycopene in Cancer Therapy. *Food Sci Nutr.* 2025 Jul 13;13(7):e70608. doi: 10.1002/fsn3.70608. PMID: 40661795; PMCID: PMC12256281. **IF=3.90**
 10. Noman AM, Sultan MT, Raza H, Imran M, Hussain M, Mujtaba A, Mostafa EM, Ghoneim MM, Selim S, Al Jaouni SK, Abdelgawad MA, Yehuala TF, Alsagaby SA, Al Abdulmonem W. An Updated Review of the Anticancer Mechanisms and Therapeutic Potential of Naringenin. *Food Sci Nutr.* 2025 Jul 15;13(7):e70626. doi: 10.1002/fsn3.70626. PMID: 40672538; PMCID: PMC12263516. **IF=3.90**
 11. Muhammad Hammad Ul Hassan, Muhammad Shahbaz, Ushna Momal, Hammad Naeem, **Muhammad Imran**, Mohamed A Abdelgawad, Mohammed M Ghoneim, Ehab M Mostafa, Ahmed H El-Ghorab, Suliman A Alsagaby, Waleed Al Abdulmonem, Muzzamal Hussain, Tadesse Fenta Yehuala.2025. Exploring Punicalagin Potential Against Cancers: A Comprehensive Review. *Food Science & Nutrition.* 13(3), e70072. **IF=3.90**
 12. Ushna Momal, Hammad Naeem, Farhan Aslam, Muhammad Shahbaz, Muhammad Imran, Muzzamal Hussain, Awais Ahmad, Anjuman Gul Memon, Ahmed Mujtaba, Muhammad Atif, Tahir Mehmood, Tadesse Fenta Yehuala.2025. Recent Perspectives on Meat Consumption and Cancer Proliferation. *Journal of Food Processing and Preservation.* 2025(1), 6567543. **IF=2.5**
 13. Muhammad Hammad Ul Hassan, Muhammad Shahbaz, Muhammad Imran, Ushna Momal, Hammad Naeem, Ahmed Mujtaba, Muzzamal Hussain, Muhammad Junaid Anwar, Suliman A Alsagaby, Waleed Al Abdulmonem, Tadesse Fenta Yehuala, Mohamed A Abdelgawad, Ahmed H El-Ghorab, Samy Selim, Ehab M Mostafa.2025. Isoflavones: Promising Natural Agent for Cancer Prevention and Treatment. *Food Science & Nutrition.* 13(3), e70091. **IF=3.90**
 14. Mahwish, Muhammad Imran, Hammad Naeem, Muzzamal Hussain, Suliman A Alsagaby, Waleed Al Abdulmonem, Ahmed Mujtaba, Mohamed A Abdelgawad, Mohammed M Ghoneim, Ahmed H El-Ghorab, Samy Selim, Soad K Al Jaouni, Ehab M Mostafa, Tadesse Fenta Yehuala.2025. Antioxidative and Anticancer Potential of Luteolin: A Comprehensive Approach Against Wide Range of Human Malignancies. *Food Science & Nutrition.* 13(!), e4682. **IF=3.90**
 15. Muhammad Shahbaz, Asfa Perween, Ushna Momal, Muhammad Imran, Muhammad Hammad Ul Hassan, Hammad Naeem, Ahmed Mujtaba, Muzzamal Hussain, Suliman A Alsagaby, Waleed Al Abdulmonem, Mohamed A Abdelgawad, Ahmed H El-Ghorab, Samy Selim, Ehab M Mostafa, Entessar Al Jbawi.2025. Recent Perspectives on Anticancer Potential of Coumarin Against Different Human Malignancies: An Updated Review. *Food Science & Nutrition.* 13(1), e4696. **IF=3.90**

Publications-2024

16. Hammad Naeem, Hammad Ul Hassan, Muhammad Shahbaz, Muhammad Imran, Anjuman Gul Memon, Ammarah Hasnain, Shamas Murtaza, Suliman A Alsagaby, Waleed Al Abdulmonem, Muzzamal Hussain, Mohamed A Abdelgawad, Mohammed M Ghoneim, Entessar Al Jbawi.2024. [Role of Probiotics against Human Cancers, Inflammatory Diseases, and Other Complex Malignancies.](https://doi.org/10.1155/2024/6632209) Volume 2024, Article ID 6632209, 23 pages <https://doi.org/10.1155/2024/6632209>. *Journal of Food Biochemistry.* **IF=4.2**
17. Hameed, A., Ashraf, F., Anwar, M. J., Amjad, A., Hussain, M., Imran, M., ... & Jbawi, E. A. (2024). α -Amylase enzyme inhibition relevant to type II diabetes by using functional yogurt with *Cinnamomum verum* and *Stevia rebaudiana*. *Food and Agricultural Immunology*, 35(1), 2389091. **IF=2.10**
18. Raza, M. H., Ayub, M. A., Zubair, M., Hussain, A., Saleem, S., Azam, M. T., ... & Al Jbawi, E. (2024).

Comparative Study of Essential Oils Extracted From *Foeniculum vulgare* Miller Seeds Using Hydrodistillation, Steam Distillation, and Superheated Steam Distillation. *Food Science & Nutrition*, 12(12), 10535-10549. **IF=3.90**

19. Irshad, N., Naeem, H., Shahbaz, M., Imran, M., Mujtaba, A., Hussain, M., ... & Al Jaouni, S. K. (2024). Mangiferin: An effective agent against human malignancies. *Food Science & Nutrition*, 12(10), 7137-7157. **IF=3.90**
20. Shahbaz, M., Naeem, H., Batool, M., Imran, M., Hussain, M., Mujtaba, A., ... & Al Jbawi, E. (2024). Antioxidant, anticancer, and anti-inflammatory potential of Moringa seed and Moringa seed oil: A comprehensive approach. *Food Science & Nutrition*, 12(9), 6157-6173. **IF=3.90**

Publications-2023

21. Muhammad Usman Khalid, Muhammad Tauseef Sultan, Ahmad Mujtaba Noman, Hassan Raza, Muzzamal Hussain, Ahmed H. El-Ghorab, Mohammed M. Ghoneim, Mohamed E. Shaker, Mohamed A. Abdelgawad, Muhammad Imran, Ahmed Mujtaba, Ibrahim A. Naguib & Entessar Al Jbawi (2023) Assessment of Physicochemical, Functional, Rheological and end-use properties of *Tribulus terrestris*, *International Journal of Food Properties*, 26:2, 2869-2880, DOI: 10.1080/10942912.2023.2261666. **IF=3.90**
22. Muhammad Junaid Anwar, Areeba Altaf, Muhammad Imran, Muhammad Amir, Suliman A. Alsagaby, Waleed Al Abdulmonem, Ahmed Mujtaba, Ahmed H. ElGhorab, Mohammed M. Ghoneim, Muzzamal Hussain, Entessar Al Jbawi, Mohamed E. Shaker & Mohamed A. Abdelgawad (2023) Anti-cancer perspectives of resveratrol: a comprehensive review, *Food and Agricultural Immunology*, 34:1, 2265686, DOI: 10.1080/09540105.2023.2265686. **IF=2.1**
23. Hammad Naeem, Ushna Momal, **Muhammad Imran**, Muhammad Shahbaz, Muzzamal Hussain, Suliman A. Alsagaby, Waleed Al Abdulmonem, Maryam Umar, Ahmad Mujtaba, Ahmed H. El-Ghorab, Mohammed M. Ghoneim, Mohamed E. Shaker, Mohamed A. Abdelgawad & Entessar AL JBawi (2023) Anticancer perspectives of genistein: a comprehensive review, *International Journal of Food Properties*, 26:2, 3305-3341, DOI: 10.1080/10942912.2023.2281257. **IF=3.90**
24. Suleman Abbas, Muhammad Shahbaz, Shabbir Ahmad, Muhammad Imran, Hammad Naeem, Muzzamal Hussain, Ahmed Mujtaba, Khuram Mubeen, Muhammad Inam Afzal, Qaiser Akram, Zarena Mushtaq, Mohamed A. Abdelgawad, Mohammed M. Ghoneim, Mohamed E. Shaker & Entessar AL JBawi (2023) Utilization of mango seed oil as a cocoa butter replacer for the development of innovative chocolate, *International Journal of Food Properties*, 26:2, 3226-3240, DOI: [10.1080/10942912.2023.2267784](https://doi.org/10.1080/10942912.2023.2267784). **IF=3.90**
25. Shahbaz, M., **Imran, M.**, Momal, U., Naeem, H., Alsagaby, S. A., Al Abdulmonem, W., ... Jbawi, E. A. (2023). Potential effect of kaempferol against various malignancies: recent advances and perspectives. *Food and Agricultural Immunology*, 34(1). <https://doi.org/10.1080/09540105.2023.2265690>. **IF=2.1**
26. Mahwish, Farhan Saeed, Farhana Nosheen, Qurat-ul -Ain, Bushra Niaz, Muhammad Afzaal, Kashifa Ehsan, Muzzamal Hussain, **Muhammad Imran** & Entessar Al Jbawi (2023) Bio-evaluation of alkaloids and saponins from bitter melon: Probing more desirable compound in treating hyperglycemia and hyperlipidemia, *Cogent Food & Agriculture*, 9:1, 2242634, DOI: 10.1080/23311932.2023.2242634. **IF=2.30**
27. Suleman Abbas, Muhammad Shahbaz, Shabbir Ahmad, **Muhammad Imran**, Hammad Naeem, Muzzamal Hussain, Ahmed Mujtaba, Khuram Mubeen, Muhammad Inam Afzal, Qaiser Akram, Zarena Mushtaq, Mohamed A. Abdelgawad, Mohammed M. Ghoneim, Mohamed E. Shaker & Entessar AL JBawi (2023) Utilization of mango seed oil as a cocoa butter replacer for the development of innovative chocolate, *International Journal of Food Properties*, 26:2, 3226-3240, DOI: 10.1080/10942912.2023.2267784. **IF=3.90**
28. Iqbal, Z., Akhtar, H. M. S., Aslam, F., Randhawa, M. A., Afzal, M. I., Umer, M., ... & Mujtaba, A. (2023). Characterization of wheat flour millstreams for friabilin prevalence and nutrient

- composition. *International Journal of Food Properties*, 26(1), 1711-1723. <https://doi.org/10.1080/10942912.2023.2227360> **IF=3.90**
29. Naz, A., Raza, N., Sharif, M., Razzaq, K., Ullah, S., Afzal, M. I., ... & Al Jbawi, E. (2023). Performance evaluation of different grown ber (*Ziziphus mauritiana*) cultivars under low-temperature storage. *International Journal of Food Properties*, 26(1), 1736-1748. <https://doi.org/10.1080/10942912.2023.2230377> **IF=3.90**
30. Rasool, N.; M.O. Omer.; A. Javeed.; M. Nawaz.; M. Imran.; M. Hussain.; Z. Mushtaq.; and E. Al Jbawi (2023). Pharmacological effect of *Argyrobolium roseum* (Camb.) Jaub Spach extracts against lead-induced toxicity in rats. *Food Science & Nutrition*. 00:1–12. <https://doi.org/10.1002/fsn3.3570> **IF=3.90**
31. Zarina Mushtaq, Z.; N.B. Sadeer.; M. Hussain.; M.S.A. Alsagaby.; M. Imran.; T. Mumtaz.; M. Umar.; A. Tauseef.; W. Al Abdulmonem.; T. Tufail.; E. Al Jbawi and M.F. Mahomoodally (2023). Therapeutical properties of apigenin: A review on the experimental evidence and basic mechanisms. *International Journal of Food Properties*. 26(1): 1914–1939. <https://doi.org/10.1080/10942912.2023.2236329> **IF=3.90**
32. Shahbaz, M., **Imran, M.**, Hussain, M., Alsagaby, S. A., Momal, U., Naeem, H., ... Al Jbawi, E. (2023). Curcumin: a bioactive compound with molecular targets for human malignancies. *Food & Agricultural Immunology*, 34(1). <https://doi.org/10.1080/09540105.2023.2280524>. **IF=2.1**
33. Ijaz, N.; M. Afzaal.; B. Niaz.; F. Saeed.; F. Nosheen.; M.A. Khan.; M. Hussain.; M.A. Raza.; M. Imran and E. Al Jbawi (2023). Structural and functional investigations of wall material extracted from banana peels. *International Journal of Food Properties*. 26(1): 1636–1644. <https://doi.org/10.1080/10942912.2023.2228509> **IF=3.90**
34. Zafar, U., A. Hameed.; A. Amjad.; M.S. Javed.; M. I. Afzal.; M. Umer.; R.H. Al-Serwi.; T.B. Qaisarani.; M. Imran.; M. Hussain.; M.J. Anwar.; F. Siddique.; R. Suleman.; and E. AL JBawi (2023). Potential of barley enriched yogurt to improve probiotic growth for the management of hypercholesterolemia (2023). *International Journal of Food Properties*. 26(1): 1177-1189. DOI: <https://doi.org/10.1080/10942912.2023.2206064> **IF=3.90**
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2-Muhammad Imran, Saeed Akhtar, Muhammad Riaz, Tanweer Aslam Gondal. 2015. MALNUTRITION; MAJOR DISCUSSING ISSUE IN ASIAN COUNTRIES. Feb, 23,24, "Malnutrition in South Asia- The Peril Persists" being held on 23-24 Feb 2015 2015, Institute of Food Science and Nutrition, Bahauddin Zakariya University, Multan.

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PHD COURSES

Advanced research method

Starch chemistry

M.Sc (Hons.)

Baking Science-1 3(2-1)

Post Harvest Management of Fruits and Vegetables 3(3-0) Advances in Human Nutrition 3(3-0)

Nutraceutical and functional foods 3(3-0) Food additives 3(3-0)

Baking science and technology II 3(2-1)

Quality Assurance Management 3(2-1)

Dairy Processing-I 3(2-1)

B. Sc (Hons.)

Principles of Human Nutrition 3(3-0)

Food Processing and Preservation 3(2-1)

Food and Nutrition 2(2-0)

Food Processing and Preservation 3(2-1)

Food Plant Layout 3(3-0)

Food toxicology and safety 2(2-0)

Food Analysis 3(4-1)

Principles of food science 3(2-1) Herbs, food and phytochemicals 3(3-0)

Nutrition Intervention planning 3(3-0)

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