

Dr Rai Muhammad Amir

Associate Professor

Institute of Food and Nutritional Sciences, PMAS–Arid Agriculture University Rawalpindi

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ACADEMICS:

- **Ph.D Food Technology**
University of Agriculture Faisalabad Pakistan **2015**
- **Post Graduate Diploma of Food Safety and Control**
University of Agriculture Faisalabad Pakistan, accredited with **Royal Environmental Health Institute of Scotland** **2013**
- **MSc. (Hon's) Food Technology** **2010**
1stdivision CGPA **4.00/4.00**
University of Agriculture Faisalabad Pakistan
- **BSc. (Hon's) Food Science & Tech** **2008**
1stdivision CGPA **3.60/4.00**
University of Agriculture Faisalabad Pakistan
- **HSSC (FSc. Pre medical)** **2004**
1stdivision Marks **791/1100**
Superior Science Higher Secondary School
Muzzafargargh, Pakistan
- **SSC (Sciences)** **2002**
1stdivision Marks **666/850**
MC High School Okara, Pakistan

PROFESSIONAL EXPERIENCE

- **Associate Professor (2021 to date)**
- **Assistant Professor (2015 to 2021)**
Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture, Rawalpindi, Pakistan

- **Additional Director Industry Linkage (Nov, 2020 to date)**
Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture, Rawalpindi, Pakistan
- **Research Associate (2010-2014)**
National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan
- **Certified Halal Lead Auditor**
Certified from Islamic Food and Nutrition Council of America (IFANCA) and Halal foundation Karachi, Pakistan
- **Certified Trainer For HACCP (Level 2,3,4), ISO 22000 Lead Auditor**

PROJECTS

- **Co-PI** in Project entitled “**Domestication and commercialization of medicinal & Industrial hemp for accelerating economic development in Pakistan**” funded by PSDP NO.PMAS-AAUR/6152, 01/10/2021. **Rs 799.95 Millions.**
- **PI** in Higher Education Commission Approved Research Project under NRPU “**Effectiveness of different processing techniques for the reduction of pesticide residues in vegetables at household level**” No10750/Punjab/NRPU/R&D/HEC/2017 **Rs 1.987490 Millions.**
- **PI** in project entitled “**Organophosphate and Pyrethroid Pesticide Residues in Fresh and Chemically Washed Cauliflower**” URSP-2017-18. ORIC, PMAS-Arid Agriculture University, Rawalpindi, Project No PMAS-AAUR/UFRP/2017/18/92 **Rs 0.1938 Millions**
- **PI** in project entitled “**Development of Natural Immunomodulation Food Products against COVID-19**” Agriculture University, Rawalpindi, Project NO. PMAS-AAUR/ORIC/517, 14/10/2021. **Rs 0.298860 Millions**

PUBLICATION

1. Tabussam, N., Rana, R. M., Wattoo, F. M., Khan, A. I., **Amir, R. M.**, Javed, T., ... & Abdelsalam, N. R. (2022). Single nucleotide polymorphism based assessment of genetic diversity in local and exotic onion genotypes. *Molecular Biology Reports*, 1-10. **(Impact Factor 2.742).**
2. Akhlaq, M., Ali, S. W., Murtaza, A., Javed, M. A., Ahmad Khan, A., & **Amir, R. M.** (2022). Impact of initial grain moisture, fumigation, and storage period on physicochemical characteristics of wheat in Pakistan. *Journal of Food Processing and Preservation*, 46(4), e16387. **(Impact Factor 2.609).**
3. Zhang, L.X., Li, C.X., Kakar, M.U., Khan, M.S., Wu, P.F., **Amir, R.M.**, Dai, D.F., Naveed, M., Li, Q.Y., Saeed, M. and Shen, J.Q., 2021. Resveratrol (RV): A pharmacological review and call for further research. *Biomedicine & Pharmacotherapy*, 143, p.112164. **(Impact Factor 7.419).**
4. Hussnain, A., **Amir, R.M.**, Khan, M.A., Ahmad, A., Ali, S.W., Nadeem, M., Ameer, K., Khan, M.A., Mahmood, S. and Hayat, I., 2021. Mitigating the impact of organochlorine and pyrethroid residues in fresh and chemically washed spinach. *Food Science and Technology*, 41, pp.59-64. **(Impact Factor 2.263).**
5. Ayub, H., Ahmad, A., **Amir, R.M.** and Irshad, G., 2021. Multivariate analysis of peach quality treated with essential oil coatings. *Journal of Food Processing and Preservation*, 45(1), p.e15083. **(Impact Factor 2.609).**

6. Din, A., Jahangir Chughtai, M.F., Mehmood, T., Khaliq, A., Nadeem, M., Ahsan, S., **Amir, R.M.**, Abrar, M., Saeed, K. and Manzoor, M.S., 2021. Shelf Life Extension of Mango Fruit by using Non-Preservative Technique. *International Journal of Fruit Science*, 21(1), pp.232-241. **(Impact Factor 1.524)**.
7. Din, A., **Amir, R.M.**, Ameer, K., Ahmad, A., Nadeem, M., Chughtai, M.F.J., Khaliq, A., Ahsan, S., Khan, M.I., Riaz, A. and Kausar, R., 2020. Assessment of quality attributes of tomato sauce supplemented with moringa root. *Food Science and Technology*, 40, pp.1014-1020. **(Impact Factor 2.263)**
8. Rashid, F., Ahmed, Z., Ameer, K., **Amir, R.M.** and Khattak, M., 2020. Optimization of polysaccharides-based nanoemulsion using response surface methodology and application to improve postharvest storage of apple (*Malus domestica*). *Journal of Food Measurement and Characterization*, 14(5), pp.2676-2688. **(Impact Factor 3.006)**
9. Ahmed, A., Abid, H.M.R., Ahmad, A., Khalid, N., Shibli, S., **Amir, R.M.**, Malik, A.M. and Asghar, M., 2020. Utilization of mango peel in development of instant drink. *AJAB. Asian J Agric & Biol*, 8(3), pp.260-267.
10. **Amir, R.M.**, Hussain, M.N., Ameer, K., Ahmed, A., Ahmad, A., Nadeem, M., Riaz, A., Chughtai, M.F.J., Khaliq, A., Ahsan, S. and Kausar, R., 2020. Comprehensive assessment and evaluation of selected wheat varieties for their relationship to chapatti quality attributes. *Food Science and Technology*, 40, pp.436-443. **(Impact Factor 2.263)**
11. Ahmed, A., Bilal, M., Jabbar, S., Mumtaz, A., Khalid, N., Asghar, M., **Amir, R.M.**, Ameer, K. and Malik, A.M., 2020. Physicochemical and Sensory Evaluation of Indigenous Rice Genotypes. *J. Agric. Res*, 58(2), pp.89-96.
12. Riaz, A., Iqbal, M.S., Fiaz, S., Chachar, S., **Amir, R.M.** and Riaz, B., 2020. Multivariate analysis of superior *Helianthus annuus* L. genotypes related to metric traits. *Sains Malaysiana*, 49(3), pp.461-470. **(Impact Factor 1.006)**
13. Jahangir Chughtai, M.F., Pasha, I., Zahoor, T., Khaliq, A., Ahsan, S., Wu, Z., Nadeem, M., Mehmood, T., **Amir, R.M.**, Yasmin, I. and Liaqat, A., 2020. Nutritional and therapeutic perspectives of *Stevia rebaudiana* as emerging sweetener; a way forward for sweetener industry. *CYTA-Journal of Food*, 18(1), pp.164-177. **(Impact Factor 2.255)**.
14. Faiz, F., Queen, F., **Amir, R.M.**, Ahmad, A., Ahmad, Z., Ameer, K., Arshad, M., Hayat, I., Qasim, S. and Kabir, K., 2020. Physicochemical, microbiological and sensory characteristics of goats reared on organic rationing in Karakoram region. *Food Science and Technology*, 41, pp.381-387. **(Impact Factor 2.263)**
15. AHMAD, A., **AMIR, R.M.**, AMEER, K., ALI, S.W., Siddique, F., Hayat, I., AHMAD, Z. and Faiz, F., 2020. Ameliorative effects of fenugreek (*Trigonella foenum-graecum*) seed on type 2 diabetes. *Food Science and Technology*, 41, pp.349-354. **(Impact Factor 2.263)**

16. Khan, F.A., Ameer, K., Qaiser, M.A., Pasha, I., Mahmood, Q., Anjum, F.M., Riaz, A. and **Amir, R.M.**, 2020. Development and analysis of bread fortified with calcium extracted from chicken eggshells of Pakistani market. *Food Science and Technology*, 41, pp.14-20. (**Impact Factor 2.263**).
17. Khan, M.A., **Amir, R.M.**, Ameer, K., Rakha, A., Faiz, F., Hayat, I., Nadeem, M., Ahmed, Z., Riaz, A. and Ashraf, I., 2020. Characterization of oat bran β -glucan with special reference to efficacy study to elucidate its health claims for diabetic patients. *Food Science and Technology*, 41, pp.105-112. (**Impact Factor 2.263**)
18. Khan, M.R., Batool, M., **Amir, R.M.**, Shabbir, A., Siddique, F., Adil, R.M., Ameer, K., Din, A., Rakha, A., Riaz, A. and Faiz, F., 2020. Ameliorating effects of okra (*Abelmoschus esculentus*) seed oil on hypercholesterolemia. *Food Science and Technology*, 41, pp.113-119. (**Impact Factor 2.263**)
19. Ameer, K., Jo, Y., **Amir, R. M.**, Shahbaz, H. M., & Kwon, J. H. (2020). Screening and identification of electron-beam irradiated dried spice-mixture products by electronic sensing and standard analytical methods through dose estimation. *LWT*, 125, 108957. (**Impact Factor 6.056**)
20. Shabbir, M.A., Ahmed, H., Maan, A.A., Rehman, A., Afraz, M.T., Iqbal, M.W., Khan, I.M., **Amir, R.M.**, Ashraf, W., Khan, M.R. and Aadil, R.M., 2020. Effect of non-thermal processing techniques on pathogenic and spoilage microorganisms of milk and milk products. *Food Science and Technology*, 41, pp.279-294. (**Impact Factor 2.263**)
21. Nisar, T., Lodhi, A., Imran, M., Khalil, A.A., Gilani, S.A., Ali, S.W. and **Amir, R.M.** 2018. Effect of Carbonated Drinks on Biochemical Parameters of Rat Serum. *Journal of Environmental and Agricultural Sciences* 14: 32-39. (**Impact Factor**).
22. **Amir, R.M.**, Randhawa, M.A., Nadeem, M., Ahmad, A., Ahmad, A., Khan, M.R., Khan, M.A. and Kausar, R., 2019. Assessing and reporting household chemicals as a novel tool to mitigate pesticide residues in spinach (*Spinach oleracea*). *Scientific Reports* (**Impact Factor 4.996**).
23. Kaleem, M., Ahmad, A., **Amir, R.M.**, & Kaukab Raja, G. 2019. Ultrasound-Assisted Phytochemical Extraction Condition Optimization Using Response Surface Methodology from Perlette Grapes (*Vitis vinifera*). *Processes* 7(10), 749. (**Impact Factor 3.352**).
24. Komal, F., Nisa, M.U., Khan, M.K., Ashfaq U.A., Manzoor, F., Masroor, A., **Amir, R.M.**, Huda, N.U., Kausar, R., Nadeem, N., 2019. Evaluation of the efficacy of different sources of omega-3 fatty acids in polycystic ovarian syndrome (PCOS) induced rats. *Pakistan Journal of Pharmaceutical Sciences*. 32,1781-1788 (**Impact Factor 0.596**).
25. Arshad, N., Ahmad, A., Nadeem, M., **Amir, R.M.**, Arshad, M.S., 2019. Reporting the utilization and perspectives of different surface active agents for bread making. *Food Science and Technology* (**Impact factor 2.263**).
26. Nadeem, M., Imran, M., Aslam Gondal, T., Imran, A., Shahbaz, M., **Amir, R.M.**, Sajid, M.W.,

- Qaisrani, T.B., Atif, M., Hussain, G., Salehi, B., Ostrander, E.A., Martorell, M., Sharifi-Rad, J., William, C., Natália Martins, Cho. 2019. Therapeutic Potential OF Rosmarinic Acid: A Comprehensive Review, *Journal of Applied Sciences* (**Impact factor 2.217**).
27. Muhammad Shoaib, Aayesha Riaz, Murtaza ul Hassan, Arfan Yousaf, Saif Ur Rehman, Muhammad Arif Zafar, Muhammad Kamran, **Rai Muhammad Amir**, Arshad Mahmood Malik, 2019. Sero-Prevalance and Associated Risk Factors of Mycoplasm, Mycoplasma Synoviae and Salmonella Pullorum/Gallinarium in Poultry, *Pakistan Veterinary Journal* ((**Impact factor 1.803**)).
 28. Ameer, k., **Amir, R.M.**, Jiang, G.H and Ramachandraiah, K. Nutraceutical Potential and Health Benefits of Curcuminoids from Turmeric (*Curcuma longa* L)”. *EC Nutrition* 14.9 (2019): 766-768
 29. Hafeez, A., Ahmad, A., **Amir, R.M.**, Kaleem. M. 2019. Quality evaluation of coconut-flaxseed balls enriched with chiaseeds. *Journal of Food Processing and preservation*. (**Impact Factor 2.609**).
 30. **Amir, R.M.**, Randhawa, M.A., Sajid, M.W., Nadeem, M., Ahmad, A. and Wattoo, F.M., 2019. Evaluation of various soaking agents as a novel tool for heavy metal residues mitigation from spinach. *Food Science and Technology*, (**Impact Factor 2.263**).
 31. Ahmed, A., Rani, H., **Amir, R.M.**, Khalid, T. and Khalid, N., 2019. Evaluation of buckwheat for management of diabetes. *Pakistan Journal of Public Health*, 9(4), pp.184-189.
 32. Asim, S.M., Ahmed, A., **Amir, R.M.** and Nadeem, M., 2018. Comprehensive identification and evaluation of selected wheat cultivars for their relationship to pan bread quality. *Journal of Food Processing and Preservation* 1-6. (**Impact Factor 2.609**)
 33. Wattoo, F.M., Rana, R.M., Fiaz, S., Zafar, S.A., Noor, M.A., Hassan, H.M., Bhatti, M.H., Rehman, S.U., Anis, G.B. and **Amir, R.M.**, 2018. Identification of drought tolerant maize genotypes and seedling based morpho-physiological selection indices for crop improvement. *Sains Malaysiana*, 47, pp.295-302. (**Impact Factor 1.009**)
 34. Bader Ul Ain, H., Saeed, F., Arshad, M.U., Ahmad, N., Nasir, M.A., **Amir, R.M.**, Kausar, R. and Niaz, B., 2018. Modification of barley dietary fiber through chemical treatments in combination with thermal treatment to improve its bioactive properties. *International Journal of Food Properties*, 21(1), pp.2491-2499. (**Impact Factor 2.727**)
 35. Imran, M., Nadeem, M., Gilani, S.A., Khan, S., Sajid, M.W. and **Amir, R.M.**, 2018. Antitumor Perspectives of Oleuropein and Its Metabolite Hydroxytyrosol: Recent Updates. *Journal of food Science*. 83(7): 1781-1791. (**Impact Factor 3.167**)
 36. Kanwal, R., Mehmood, A., Saleem, S., Randhawa, M.A., Ihsan, A., **Amir, R.M.**, Nadeem, M. and Sajid, M.W. 2018. Seasonal impact and daily intake assessment of mycotoxins in flour, bread, and nixtamalized maize. *Journal of Food Safety*, 1-6. (**Impact Factor 2.449**)

37. Ali, Z., Wang, Z., **Amir, R.M.**, Younas, S., Wali, A., Adowa, N. and Ayim, I., 2018. Potential Uses of Vinegar as a Medicine and Related in vivo Mechanisms. *International Journal for Vitamin and Nutrition Research*, 1-12. (**Impact Factor 2.56**)
38. Imran M, Nadeem M, Khan MA, Ahmed S, Imran A, **Amir RM**, Arshad MU, Gilani SA, Saeed F, Rauf A, Mehmood Z. 2017. Curcumin and its Allied Analogues: Epigenetic and Health Perspectives-a Review. *Czech J. Food Sci.*35(4):285–310. (**Impact Factor, 1.300**)
39. **Amir RM**, Kausar R, Ahmad A, Khan MA, Nadeem M, Faiz F, Shahzad A, Imran M, Azam MT, Khan MA, Abubakar S. 2017. Assessment of pesticide residues in cauliflower and associated health Implication. *Sylwan*. 161(9): 170-179. (**Impact Factor, 0.481**)
40. **Amir RM**, Asif KH, Faran G, Faiz F, Nadeem M. 2017. Monitoring of heavy metal residues in cauliflower and their respective health hazards. *Int. J. Bio.* 10 (2) 210-215. (**Master Journal List Journal**)
41. Masroor A, **Amir RM**, Komal F, Nasir MA, Faiz F. 2017. Efficacy study of ginger and garlic mixture on hypoglycaemic and hyperlipidemic parameters of induced diabetic mice. *Int. J. Bio.* 10 (1) 374-381. (**Master Journal List Journal**)
42. Ahmad`A, Irfan U, **Amir RM**, Abbasi KS. 2017. Development of High Energy Cereal and Nut Granola Bar, *Int. J. Agri. Biol. Sci.* 10 (2017):13-20. (**Master Journal List Journal**)
43. **Amir RM**, Anjum FM, Randhawa MA and Sarwar M. 2016. Confiscation of heavy metal residues in cauliflower using washing solutions. *Qual. Assur. Saf. Crop. Foods.* (**Impact Factor, 1.672**)
44. **Amir RM**, Anjum FM, Randhawa MA, Sarwar M. 2015. Multiple pesticide residues; in spinach and associated health risk. *Professional Med J.* 22(5):596-602.
45. Sattar MU, Khan MA, Khalil AA and **Amir RM**. 2013. Mitigation of heavy metals in vegetables through washing with house hold chemicals. *Int. j. agri. Sci. and Res.* 3(5):1-12.
46. Saeed M, Nadeem M, Khan MR, Shabbir MA, Shehzad A and **Amir RM**. 2013. Antimicrobial activity of *Syzygium aromaticum* extracts against food spoilage bacteria. *Afr. J. Microbiol. Res.* 7(41):4848-4856.
47. **Amir RM**, Anjum FM, Khan MI, Khan MR. Pasha I and Nadeem M. 2011. Application of Fourier Transform Infrared (FTIR) spectroscopy for the identification of wheat varieties. *J. Food Sci. and Technol.* 50(5):1018-1023. (**Impact Factor, 2.701**)
48. Sattar MU, Anjum FM, Shahzad A and **Amir RA**. 2013. Trans fat intake: a silent threat to human health -a Review. *Pak. J. Food Sci.* 23(1):33-36.
49. **Amir RM**, Anjum FM, Khan MR and Imran M. 2011. Application of Fourier Transform Infrared

(FTIR) Spectroscopy in Foods. Internet Journal of Food Safety. 13:310-314.

50. Anjum FM, Naeem A, Khan MI, Nadeem M and **Amir RM**. 2011. Development of texturized vegetable protein using indigenous sources. Pak. J. Food Sci. 21(1-4):33-44.
51. Nadeem M, Anjum FM, **Amir RM**, Khan MR, Shahzad M and Javed S. 2010. An overview of anti-nutritional factors in cereal grains with special reference to wheat-A review. Pak. J. Food Sci. 20(1-4):54-61.
52. **Amir RM**, Shabbir MA, Khan MR and Hussain S. 2012. Interesterification of fats and oils-A Review. Pak. J. Food Sci. 22(3):143-153.
53. Asghar S, Anjum FM, **Amir RM** and Khan MA. 2012. Cooking and eating characteristics of Rice (*Oryza sativa* L.)-A review. Pak. J. Food Sci. 22(3):161-166.

BOOK/ CHAPTER

- **Rai Muhammad Amir** and Faqir Muhammad Anjum. 2012. "Identification of different wheat varieties through FTIR" ISBN 978-3-8484-8104-0. LAP LAMBERT Academic Publishing GmbH Et Co. KG Dudweiler Landstra5e 99, 66123 Saarbrücken, Germany
- Kashif Ameer, Gui-Hun Jiang, **Rai Muhammad Amir** and Jong- Bang Eun. Antioxidant potential of *Stevia rebaudiana* (Bertoni), Preedy-Pathology
- Aamir Shehzad, Asna Zahid, Anam Latif, **Rai Muhammad Amir**, and Hafiz Ansar Rasul Suleria. Marine Foods: Nutritional Significance and their Industrial Applications, Technological Processes for Marine Foods, From Water to Fork: Bioactive Compounds, Industrial Applications and Genomics
- Anwaar Ahmed, **Rai Muhammad Amir** and Muhammad Nadeem. Traditional dietary Patterns of Pakistan" Nutritional and Health aspects of Traditional and Ethnic Foods of South Asia

SEMINARS, TRAININGS, CONFERENCES

1. Certificate of Participants as a guest speaker "2 Days International Webinar on Food Safety and Security" Organized by University of Agriculture Faisalabad, Sub- Campus Burewala, on February 23-24, 2021.
2. Certificate of participation "T-10 Cricket Match" Organized by Directorate of Sports, PMAS-Arid Agriculture University Rawalpindi, Pakistan on January 28, 2021.
3. Certificate of Participants "T-10 Cricket Match 2020-21" Organized by Directorate of Sports, PMAS-Arid Agriculture University Rawalpindi, Pakistan on November 12, 2020.
4. Certificate of Participants as a Judge "HULT PRIZE Leading Generation to Change the World" Organized by PMAS-Arid Agriculture University Rawalpindi, Pakistan on October 31, 2020.
5. Certificate of Participants as a Guest Speaker "International Virtual Conference Plant Based Food:

Potential for Food Security and Pandemic Management” Organized by Department of Food Science and Technology, MNS-University of Agriculture, Multan, Pakistan on October 15-16, 2020.

- 6. Certificate of Participants as a Guest Speaker “COVID-19: Impact on Society and Awareness in Relation to Diet”** Organized by Department of Food Science and Technology, UAF-Sub Campus Burewala, Vehari Pakistan on July 8, 2020.
- 7. Certificate of Commitment “To Promote Safety Against COVID-19”** Organized by World Health Organization (WHO).
- 8. Certificate of Completion “Pediatric Currents: Ethics in Pediatric Practice”** Organized by ABBOT Nutrition Health Institute on May 02, 2020.
- 9. Certificate of Completion “Leading Malnutrition Quality Improvement for Better Hospital & Patient Outcomes”** Organized by ABBOT Nutrition Health Institute on May 02, 2020.
- 10. Certificate of Completion “Decoding the New Nutrition Facts Label: Overview”** Organized by ABBOT Nutrition Health Institute on May 02, 2020.
- 11. Certificate of Achievement “Hazzard Assessment Process”** Organized by ABCS Safety Trainings May 02, 2020.
- 12. Certificate of Completion “Diabetes and Ramadan”** organized by European Accreditation Council for Continuing Medical Education on May 02, 2020.
- 13. Certificate of Completion “Prevention of Type 2 Diabetes** organized by World Health Organization (WHO) on May 02, 2020.
- 14. Certificate of Achievement “Working in WHO’s Incident Management System”** organized by World Health Organization (WHO) on April 13, 2020.
- 15. Certificate of Completion “Infection Prevention and Control (IPC) for Novel Coronavirus (COVID-19)”** organized by World Health Organization (WHO) on April 13, 2020.
- 16. Certificate of Completion “Monkeypox: Introduction”** organized by World Health Organization (WHO) on April 04, 2020.
- 17. Certificate of Completion “Emerging respiratory viruses, including COVID-19: methods for detection, prevention, response and control”** organized by World Health Organization (WHO) on April 04, 2020.
- 18. Certificate of Completion “ePROTECT occupational health and safety”** organized by World Health Organization (WHO) on April 04, 2020.
- 19. Certificate of Completion “Competency-Based Learning: Introduction”** organized by World Health Organization (WHO) on April 03, 2020.
- 20. Certificate of participation “Severe Acute Respiratory Infection (SARI) Treatment Facility Design”** organized by World Health Organization (WHO) on April 03, 2020.
- 21. Certificate of Completion “WHO Pre-Deployment Pack: GO 2.0”** organized by World Health Organization (WHO) on April 03, 2020.
- 22. Certificate of Achievement “GO training 2.0”** organized by World Health Organization (WHO) on April 03, 2020.
- 23. Certificate of Completion “Food Allergy Online Training”** organized by World Health Organization (WHO) on April 03, 2020.
- 24. Certificate of Completion “Covid-19: Tackling The Novel Coronavirus”** organized by Future Learn on March 30, 2020.
- 25. Certificate of Completion “Health and Safety Authority Online Course: Small Business- Business Starts Up”** organized by Health and Safety Authority on March 30, 2020.
- 26. Certificate of Completion “Antimicrobial Stewardship: A competency-based approach”** organized by World Health Organization (WHO) on March 29, 2020.
- 27. Certificate of Completion “Simulation Exercise Management: Introduction”** organized by World Health Organization (WHO) on March 29, 2020.

- 28. Certificate of completion “Management and Facilitation of an After Action Review (AAR)”** organized by World Health Organization (WHO) on March 29, 2020.
- 29. Certificate of Completion “Health Cluster Coordination** organized by World Health Organization (WHO) on March 28, 2020.
- 30. Certificate of Completion “COVID-19: Operational Planning Guidelines and COVID-19 Partners Platform to support country preparedness and response”** organized by World Health Organization (WHO) on March 28, 2020.
- 31. Certificate of Participants “Nationwide Awareness Drive ROAD SHOW on HALAL INDUSTRY** organized by Halal Research Council March 15 2020.
- 32. Certificate of Completion “WordPress”** organized by DigiSkills.pk on February 06, 2020 to April 06, 2020.
- 33. Certificate of Completion “Graphic Design”** organized by DigiSkills.pk on February 06, 2020 to April 06, 2020.
- 34. Certificate of Completion “Freelancing”** organized by DigiSkills.pk on November 05, 2019 to January 05, 2020.
- 35. Certificate of Completion “Creative Writing”** organized by DigiSkills.pk on November 05, 2019 to January 05, 2020.
- 36. Certificate of successful completion of 4 days Training of Trainers on Research Methodologies for SUNAR Members** organized by International Research Force on October 1st - 4th 2019.
- 37. Certificate participation “World Food Day: Healthy Diet For A Zero Hunger World by 2030 is Possible”** organized by Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture University Rawalpindi, Pakistan October 16, 2019.
- 38. Certificate of appreciation to organize “Annual Dinner 2019 & Eid Milan Party”** organized by Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture University Rawalpindi, Pakistan on June 20, 2019.
- 39. Certificate of participation “1st Pakistan Food-Nutrition International Summit”** organized by National Alliance For Safe Food in Conjunction with 9th Pak Pharma & Healthcare Expo at Pak China Friendship Center, Islamabad, Pakistan on July 10-11, 2019.
- 40. Certificate of completion “Level 3 Award in HACCP”** organized by Safety World International (Pvt) Limited validated by AOSH Awarding Body United Kingdom, on Jan 11, 2019.
- 41. Certificate of participation “Sports Gala 2019”** organized Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture University Rawalpindi, Pakistan on Jan 17-18, 2019.
- 42. Certificate of appreciation to organize “Sports Gala 2019”** organized by Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture University Rawalpindi, Pakistan on Jan 17-18, 2019.
- 43. Certificate of participation “ESCON, 2019, International Conference on Environmental Toxicology and Health”** organized by Department of Environmental Sciences, Comsats University Islamabad, Pakistan in Collaboration with Higher Education Commission, Pakistan on Feb 25-27, 2019.
- 44. Certificate of Appreciation “Halal Auditor Course”** organized by IFANCA Pakistan Halal Apex Private Limited in Collaboration with PMAS-Arid Agriculture, Rawalpindi, Pakistan, Pakistan, on December 12-14, 2018.
- 45. Certificate of Contribution as Trainer in “Halal Auditor Course”** organized by IFANCA Pakistan Halal Apex Private Limited in Collaboration with PMAS-Arid Agriculture, Rawalpindi, Pakistan, Pakistan, on December 12-14, 2018.
- 46. Certificate of Completion “Halal Auditor Course”** organized by IFANCA Pakistan Halal Apex Private Limited in Collaboration with PMAS-Arid Agriculture, Rawalpindi, Pakistan, Pakistan, on December 12-14, 2018.
- 47. Certificate of participation “Halal Auditor Course”** organized by IFANCA Pakistan Halal Apex Private Limited in Collaboration with PMAS-Arid Agriculture, Rawalpindi, Pakistan, Pakistan, on

December 12-14, 2018.

48. Certificate of Appreciation **“National Poultry Symposium on Health & Welfare”** organized by Department of Poultry Sciences, PMAS-Arid Agriculture, Rawalpindi, in Collaboration with Worlds Poultry Science Association, Pakistan, on December 11-12, 2018
49. Certificate of participation **“e Learning Course on Global Food Safety Trends: Application of Advance Techniques”** Jointly organized by the Asian Productivity Organization and the National Productivity Organization at PMAS-Arid Agriculture, Rawalpindi, Pakistan, on December 17-20, 2018.
50. Certificate of participation **“1st Halal Assembly and Food Science Conference”** organized by GC University Faisalabad, Pakistan, on March 21-22, 2018.
51. Certificate of participation **“Food Product development competition 2018”** organized by Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture, Rawalpindi, Pakistan, on April 25, 2018.
52. Certificate of appreciation as organizing committee for **“Food Product development competition 2018”** organized by Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture, Rawalpindi, Pakistan, on April 25, 2018.
53. Certificate of participation in International Conference on **“International Horticulture Conference, Pakistan 2018”** organized by Department of Horticulture, PMAS-Arid Agriculture, Rawalpindi, Pakistan, on April 25-27, 2018.
54. Certificate of participation in One day workshop on **“Concept of Halal and Tayyab”** organized by Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture, Rawalpindi, Pakistan, on May 15, 2018.
55. Certificate of Participation in the **“International Conference on Training and Capacity Building in Sustainable Agriculture Water Management to Address Food Security and Social Instability in Pakistan”** organized by Department of Environmental Sciences, PMAS-Arid Agriculture, Rawalpindi, Pakistan, on June 27, 2018.
56. Certificate of participation in **“All Pakistan Food Science Conference”** organized by NIFSAT, University of Agriculture Faisalabad on September 24th, 2018
57. Certificate of Participation in **“World Food Day Celebrations 2018, Our Actions are our Future, A Zero Hunger World by 2030 is Possible”** organized by Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture University Rawalpindi, Pakistan October 16th, 2018.
58. Certificate of Participation in **“World Food Day Celebrations 2018, Food Product Development Competition”** organized by Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture University Rawalpindi, Pakistan October 16th, 2018.
59. Certificate of Participation in One Day Training on **“Quality Assurance and Quality Control Process of Wheat Flour Fortification”** organized by Food Fortification Programme at District Jhelum, Pakistan on October 29, 2018.
60. Certificate of Participation in **“National Poultry Symposium on Health and Welfare”** organized by Department of Poultry Sciences, Faculty of Veterinary and Animal Sciences, PMAS-Arid Agriculture University Rawalpindi, Pakistan on December 11-12, 2018.
61. Certificate of Participation **“Halal Auditor course”** organized by IFANCA, Pakistan in collaboration with Institute of Food & Nutritional Sciences, PMAS-Arid Agriculture University Rawalpindi, Pakistan on December 12-14, 2018.
62. International e-learning course **“Global food safety trends: Application of advanced technologies”** organized by NPO/ Ministry of Industries and Production in collaboration with the Institute of Food & Nutritional Sciences, PMAS-Arid Agriculture University Rawalpindi, Pakistan, on December 17-20, 2018
63. Workshop **“Curriculum Review in the domains of Nutrition and Food Safety”** organized by National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan, in collaboration with GAIN. December 11, 2017.
64. International Conference on **“International Conference on Tackling Climate Change Through Plant Breeding”** organized by Department of Plant Breeding and Genetics, PMAS-Arid Agriculture,

Rawalpindi, Pakistan, on November 13-15, 2017.

65. Three days seminar on “ **Smart Research Self Motivated Approach Towards Research Trends**” organized by CDA Training Academy in collaboration with CASE, at Jinnah Convention Center, Islamabad, Pakistan, on March 28-30, 2017.
66. One day seminar on “**Food Safety: Our National Responsibility**” organized by National Alliance for Safe Food at PMAS-Arid Agriculture University Rawalpindi, Pakistan, on January 24, 2017.
67. One day training course on “**Pakistan halal standard PS-3733 implementation in food industries**” jointly organized by National Alliance for Safe Food and Jamia Markaz Uloom-e- Islamia at October 01, 2016.
68. International Conference on “**Sustainable agriculture water management in a changing environment, A special focus on olive tree**” organized by Department of Environmental Sciences, PMAS-Arid Agriculture, Rawalpindi, Pakistan, on Sep 30 to Oct 2, 2015.
69. International Conference on “**Nutritional Therapies Against Lifestyle Related Disorders**” organized by National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan, on May 29-30, 2014.
70. International Conference on “**Emerging Issues in Nutrition and Food Safety**” organized by National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan, in collaboration with Pakistan Society of Food Scientists and Technologists on October 21-23rd, 2013.
71. Two days training course “ **Application of edible coatings on whole and minimally processed fruits**” organized under National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan, on 2nd -3rd, April 2013.
72. Three days training course “ **Supercritical Fluid Extraction Technique: Isolation of Functional and Nutraceutical Food Components**” organized under Pak-US Science and Technology Cooperation Program Establishment of Functional and nutraceutical food research section, National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan, in collaboration with Punjab Medical College Faisalabad and United States Department of Agriculture on 20-22 ,October 2012.
73. International Symposium on “**Diet as an adjunctive measure for prevention and management of dengue epidemics**”, organized by National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan, in collaboration with Punjab Medical College Faisalabad and United States Department of Agriculture on 30- 31st January, 2012.
74. 1st International Conference on “**Safe Food & Human Health**”, Department of Food Sciences, Government College University Faisalabad, Pakistan on 10-11th January, 2012.
75. International Conference on “**Emerging Issues in Food Safety**” organized by National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan, in collaboration with Pakistan Society of Food Scientists and Technologists, Higher Education Commission and United States Department of Agriculture on November 14-16th, 2011.
76. International Workshop and seminar on “**Soya protein’s applications in meat industry**” sponsored by American Soybean Association, World initiative for soy in human health (WISHH), USDA at pearl continental- Lahore on 13th September, 2011.
77. International Conference on “**Technological and Scientific Aspects of Dairy Products with Special Reference to French Cheeses**” from 21-23rd Feb, 2011 in University of Agriculture, Faisalabad, Pakistan.
78. International Conference on “**Recent Advances in Human Nutrition with Special Reference to Vulnerable Groups**” from 22-25th Feb, 2010 in University of Agriculture, Faisalabad, Pakistan. 21st all Pakistan Food Science conference, University of Agriculture, Faisalabad, Pakistan, 2010.
79. Certificate of appreciation for “**Emerging Issues in Nutrition and Food Safety**” organized by National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan in collaboration with Pakistan Society of Food Scientists and Technologists held on 21th- 23rd October, 2011.
80. Certificate of appreciation for “**Participation in Cultural Night**” organized by National Institute

of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan held on 14th- 16h November, 2011.

- 81.** Certificate of appreciation as a **“Organizing committee in Cultural Night”** organized by National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan held on 14th- 16h November, 2011.
- 82.** Certificate of appreciation **“Food Product development competition 2011”** organized by National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan held on 24, February, 2011
- 83.** Certificate of organizer in international conference **“Eve of 18th Pakistan food science conference 2007”** organized by National Institute of Food Science and Technology, University of Agriculture, Faisalabad, Pakistan held on 5th November, 2007.
- 84.** Certificate of appreciation in **cricket**

MEMBERSHIP

- Life Time Member of The Pakistan Society of Food Scientists and Technologists (PSFST).
- Secretary Press and Publication The Pakistan Society of Food Scientists and Technologists (PSFST).
- Member of Pakistan Agricultural Scientists Forum (PAS).

INSTRUMENTAL TRAINING

- High Pressure Liquid Chromatography (**HPLC**)
- Gas Chromatography (**GC**)
- Gas Chromatography-Mass spectrophotometer (**GC-MS**)
- Fourier transform infrared (**FTIR**) spectroscopy
- Spectrophotometer
- Grain Analyzer (**GA**)
- Atomic Absorption Spectrophotometer (**AAS**)
- Texture Analyzer (**TA**)
- Flame Photometer (**FP**)
- Farinograph
- Mixograph
- All Analytical and Microbiological Methods

INTERNSHIP

- Period: 6 Month
Institution: **Ayub Agricultural Research Institute.**
Department: Food Science and Technology.
Responsibilities: Perform different Analytical methods
Special Project: **Preparation of Banana Chips**

DISTINCTION

- Merit scholarship holder of UAF, University of Agriculture Faisalabad session, 2006-2007.
- Merit scholarship holder of UAF, University of Agriculture Faisalabad session, 2009-2010
- **Best University Researcher Award** 2020, PMAS-Arid Agriculture University Rawalpindi
- **Top Downloaded Paper** 2018-2019 at Journal of Food Science

AREA OF EXPERTISE

- Research and Development
- Fruits and Vegetables
- Project Management
- Food Analysis
- Food Safety Management
- Food Quality Management
- Raw Material Management

Research and Supervision

1a: PhD's produced (As a Supervisor)

S. No	Student's Name	Thesis title	Status
1	Abdus Sami	Assessment and remediation of heavy metal residues in wastewater through nanomaterials	Course work completed

1b: PhD's produced in a Calendar Year* (As Co- Supervisor)

S. No	Student's Name	Thesis title	Status
1	Muhammad Kaleem	Evaluation of nutraceutical potential of vitis vinifera grow in Pothohar and its utilization	Degree Awarded
2	Khurram Shahzad	Heavy metal contamination from Non point sources in river chenab and remediation strategy using periphyton filters	Research work under process

1b. PhD student currently under supervision: **1**

1c. PhD's produced to date as Co-supervision or member: **1**

1d. PhD student currently under as Co-supervisor or member: **1**

2a: M. Phil Produced in a Calendar Year (As a Supervisor)

S. No	Student's Name	Thesis title	Status
1	Ali Hussnain	Determination of Organochlorine and pyrethroid pesticide residues in fresh and chemically washed spinach	Degree Awarded
2	Iqra Rehman	Organochlorine and pyrethroid pesticide residues in fresh and chemically washed cauliflower	Degree Awarded
3	Muhammad Naveed Hussain	Assessment of chapatti quality of wheat varieties on physiochemical, rheological and sensory traits	Degree Awarded
4	Arooba Abid	Nutritional and functional potential of milk	Degree Awarded

		<u>thistle (<i>Silybum mariannum</i>)</u>	
5	Maryam Akbar	<u>Assessment and mitigation of pyrethroid and organophosphate residues in cauliflower</u>	Degree Awarded
6	Saira Khan	<u>Physicochemical characterization of cookies prepared from whole wheat flour</u>	Degree Awarded
7	Hafiz Muhammad Arslan	<u>Determination and mitigation of heavy metal residues in cucumber grown in sewage water</u>	Degree Awarded
8	Zulfiqar Ali	<u>Assessment and dissipation of heavy metal residues in cabbage grown in sewage water</u>	Degree Awarded
9	Abd Us Samee	<u>Nutritional and functional properties of milk thistle for the treatment of hepatitis C</u>	Degree Awarded
10	Summer Ghazzal	<u>Estimation of post harvest losses in mango varieties through conventional and recent techniques</u>	Degree Awarded
11	Muhammad Zeeshan	<u>Determination and mitigation of pesticide residues in cabbage</u>	Degree Awarded
12	Duaa Bint-E-Hamid	<u>Efficacy of soybean oil on cardiovascular diseases</u>	Degree Awarded
13	Maria Khalid	<u>Efficacy of bitter melon powder on diabetes type 2 in males and females</u>	Degree Awarded
14	Tehreem Safdar	<u>Assessment of pearl millet to alleviate iron deficiency among teenagers</u>	Degree Awarded
15	Husnain Hazoor	<u>Green synthesis of silver nano particles, their characterizations and applications for food preservation.</u>	Research Completed and started thesis writeup
16	Memoona Rehman	<u>Quality characteristics of high fiber biscuits prepared from Composite bran</u>	Synopsis Approved and research work started
17	Imran Tariq	<u>Production and preservation of kanji and</u>	Synopsis Approved

		<u>salgam drinks at commercial scale</u>	
18	Hamza Maqsood Butt	<u>Determination of contaminants in dairy animal diet and their impact on milk quality</u>	Synopsis Approved and research work started
19	Maria Zeb	<u>Quality characteristic of olive grown in Pakistan)</u>	Synopsis Approved and research work started
20	Muhammad Umair Sajid	<u>Assessment of chemical contaminants in meat</u>	Synopsis Approved and research work started
21	Muhammad Afaq Khan	<u>Application of nanoparticles for the removal of heavy metals from wastewater</u>	Synopsis Approved and research work started

M. Phil Produced in a Calendar Year (As a Co-Supervisor or Member)

S. No	Student's Name	Thesis title	Status
1	13-ARID-300 <u>Azher Mehdi</u>	<u>Physico chemical properties of different apple varieties in district Nagar and Hunza, Gilgit Baltistan</u>	Degree Awarded
2	Haris Ayub 13-ARID-4191324	<u>Effect of different edible coatings on the storage stability of Peach (<i>Prunus persica</i>)</u>	Degree Awarded
3	Muhammad Azam 13-ARID-380	<u>Effect of oat bran incorporation in to wheat flour for the production of cookies.</u>	Degree Awarded
4	Muhammad Ali 13-ARID-412 Yasir Akbar	<u>Effect of acidic marinates and clove oil on the quality of chicken meat</u>	Degree Awarded
5	Zagham Hassan 13-Arid-480	<u>Quality evaluation of raisins produced by grape cultivars</u>	Degree Awarded
6	Zainab Tariq 13-Arid-639	<u>Studies on functional properties of buckwheat</u>	Degree Awarded
7	Syeda Sundus Fatima 17-Arid-4192	<u>Assessment and mitigation of heavy metal residues in okra grown in sewage water</u>	Degree Awarded

8	Zaima Tariq 17-Arid-4184	<u>Assessment of aflatoxin at different stages of processing in dry fruits</u>	Degree Awarded
9	Arooba Sameen 13-Arid-289	<u>Zinc as a therapeutic element</u>	Degree Awarded
10	Amina Shahid 17-Arid-4157	<u>Anti-hyperlipidemic effect of basil seeds in cardiovascular patients</u>	Degree Awarded
11	Atia Zafar Iqbal 17-Arid-4161	<u>Effectiveness of flaxseed in prevention and management of type 2 diabetes</u>	Degree Awarded
12	Mavish Bashir 17-Arid-4173	<u>Nutritional status assessment and dietary counseling in diabetic patients</u>	Degree Awarded
13	Qurat-Ul-Ain 17-Arid-4176	<u>In vitro studies on bioavailability of iron and zinc and their interaction</u>	Degree Awarded
14	Kamal Ahmed Abbasi 12-Arid-222	<u>Persistence of total viable count on the surfaces of restaurants menus</u>	Degree Awarded
15	Fatima Waleed 16-Arid-2014	<u>Effects of PCBs contaminated tannery wastewater on nitrogen transformations in agricultural soils.</u>	Degree Awarded
16	M. Shahid Saeed 16-Arid-294	<u>Physio-Morphological assessment of maize F1 hybrids under heat stress</u>	Degree Awarded
17	Huda Akram 14-Arid-3060	<u>Estimation of grain quality parameters in various quality protein maize (QPM) lines</u>	Degree Awarded
18	Syed Talha Bin Shahid Ali 12-Arid-321	<u>Chemical composition and antimicrobial activity of citrus peel oil</u>	Degree Awarded
19	Rida Tasneem 17-Arid-2822	<u>Development of packed bed bioreactor using agriculture waste for the treatment of phthalate containing wastewater</u>	Degree Awarded
20	Irtaza Iqbal 17-ARID-4414	<u>Effect of apple pomace on quality characteristics of fruit cake</u>	Synopsis Approved
21	Sana Parveen 15-ARID-5179	<u>Preparation and characterization of canola oil</u>	Synopsis Approved

		<u>based nano emulsion</u>	
22	Chamman Liaqat 20-ARID-2794	<u>Effects of herbs and spices extracts on shelf life and quality of raw beef</u>	Synopsis Approved
23	Nabeel Ahmad 16-ARID-3203	<u>Physiochemical properties of olive of Baluchistan</u>	Synopsis Approved
24	Rana Shahzaib Zahid 15-Arid-5153	<u>Postharvest management of dates during supply chain in Pakistan</u>	Synopsis Approved
25	Raheela Iftakhar 18-Arid-4792	<u>Screening and molecular identification of pectinase producing bacterial strain</u>	Synopsis Approved
26	Anila Shaheen 19-Arid-3284	<u>Efficient estimation of population mean under adjusted two stage adaptive cluster sampling</u>	First draft of thesis submitted
27	Hafsa Bibi	<u>Bacterial biodegradation of organophosphate pesticide residues in cotton</u>	Synopsis Approved

BSc (Hons) Produced as an Internship Supervisor

S. No	Student's Name	Name of Hospital	Status
1	Izba Asif <u>15-Arid-3153</u>	<u>Internship at Capital Hospital, Islamabad</u>	Report Approved
2	Javeria Inayat 15- Arid -3154	<u>Internship at Combined Military Hospital, Rawalpindi</u>	Report Approved
3	Javeria Sajjad 15- Arid -3155	<u>Internship at Combined Military Hospital, Rawalpindi</u>	Report Approved
4	Jumaila Zahra Mirza 15- Arid -3156	<u>Internship at Pak Emirates Military Hospital, Rawalpindi</u>	Report Approved
5	Kaifa Younus 15- Arid -3157	<u>Internship at Pak Emirates Military Hospital, Rawalpindi</u>	Report Approved

6	Kianat Manzoor 15- Arid -3158	Internship at Combined Military Hospital, Rawalpindi	Report Approved
7	Kianat Saleem 15- Arid -3159	Internship at Combined Military Hospital, Rawalpindi	Report Approved
8	Komal Saher 15- Arid -3160	Internship at Combined Military Hospital, Rawalpindi	Report Approved
9	Laraib Khan 15- Arid -3161	Internship at Combined Military Hospital, Rawalpindi	Report Approved
10	Muhammad Ahmad Rana 15-Arid-3228	Internship at PAF Hospital, Islamabad	Report Approved
11	Muhammad Ali 15-Arid-3229	Internship at Sheikh Zayed Hospital, Lahore	Report Approved
12	Muhammad Haroon Bin Ilyas 15-Arid-3230	Internship at PAF Hospital E-9, Islamabad	Report Approved
13	Muhammad Ibrahim 15-Arid-3231	Internship at PAF Hospital, Islamabad	Report Approved
14	Muhammad Mohsin 15-Arid-3232	Internship at Capital Development Hospital, Islamabad	Report Approved
15	Muhammad Waqar Sarwar 15-Arid-3233	Internship at Sheikh Zayed Hospital, Lahore	Report Approved
16	Muhammad Waqas 15-Arid-3234	Internship at DHQ Hospital, Okara	Report Approved
17	Muhammad Yasir Ali Khan 15-Arid-3235	Internship at Bilal Hospital, Rawalpindi	Report Approved
18	Muhammad Zain Shahid 15-Arid-3236	Internship at Qaid E Azam International Hospital, Islamabad	Report Approved
19	Muhammad Zeeshan 15-Arid-3237	Internship at Capital Development Hospital, Islamabad	Report Approved

2b. M. Phil produced to date as a **supervisor: 14**

2.b. M. Phil students currently under supervision: **7**

2b. M. Phil produced to date as Co-supervisor: **19**

2.b. M. Phil students currently under Co-supervision: **8**

2b. BSc (Hons) produced to date under Internship Program: **19**

Abstracts Published in different National and International Conferences

1. Abdus Sami, **Rai Muhammad Amir**, Anwaar Ahmed, Asif Ahmad, Kashif Ameer, Hafiz Muhammad Arslan Ghous, Wajeeha Rani, Syeda Iraj Zehra. ICFST-2019-8. Nutritional and functional properties of milk thistle for the treatment of hepatitis C. Organized by Pakistan Society of Food Scientists and Technologists on 10-11th December, 2019.
2. Hafiz Muhammad Arslan Ghous, **Rai Muhammad Amir**, Anwaar Ahmed, Asif Ahmad, Kashif Ameer, Abdus Sami, Wajeeha Rani, Syeda Iraj Zehra. ICFST-2019-101. Determination and Mitigation of Heavy Metal Residues in Cucumber Grown in Sewage Water. Organized by Pakistan Society of Food Scientists and Technologists on 10-11th December, 2019.
3. Syeda Iraj Zehra, **Rai Muhammad Amir**, Asif Ahmad, Anwaar Ahmed, Kashif Ameer, Hafiz Muhammad Arslan Ghous, Abdus Sami, Wajeeha Rani. ICFST-2019-361. Application of cannabis as a powerful tool against diseases. Organized by Pakistan Society of Food Scientists and Technologists on 10-11th December, 2019.
4. Tehreem Safdar, **Rai Muhammad Amir**, Asif Ahmad, Kashif Ameer, Abdus Sami. ICFST-2019-379. Assessment of Pearl Millet to Alleviate Iron Deficiency in Anemic Patients. Organized by Pakistan Society of Food Scientists and Technologists on 10-11th December, 2019.
5. Wajeeha Rani, **Rai Muhammad Amir**, Asif Ahmad, Anwaar Ahmed, Kashif Ameer, Hafiz Muhammad Arslan Ghous, Abdus Sami, Syeda Iraj Zehra. ICFST-2019-396. Therapeutic potential of Thyme: A Comprehensive Review. Organized by Pakistan Society of Food Scientists and Technologists on 10-11th December, 2019.
6. **Rai Muhammad Amir**, Asif Ahmed, Anwaar Ahmed, Asma Sohail, Muhammad Tauseef Azam, Muhammad Abid, Kashif Sarfraz Abbasi. IVC/2020/67. Application different processing techniques for preservation of onion: A mini review. International Virtual Conference On Plant Based Food: For Food Security And Pandemic Management, Organized by Department of Food Science & Technology, MNS-University of Agriculture, Multan on 15-16th October, 2020.
7. **Rai Muhammad Amir**, Asif Ahmed, Anwaar Ahmed, Asma Sohail, Muhammad Tauseef Azam. IVC/2020/68. Postharvest management of fruits and vegetable: A potential for reducing poverty, hidden hunger and malnutrition in Pakistan. International Virtual Conference On Plant Based Food: For Food Security And Pandemic Management, Organized by Department of Food Science & Technology, MNS-University of Agriculture, Multan on 15-16th October, 2020.
8. **Rai Muhammad Amir**, Asif Ahmed, Anwaar Ahmed, Asma Sohail, Muhammad Tauseef Azam, Muhammad Abid, Kashif Sarfraz Abbasi. IVC/2020/66. Problems of aflatoxin in food safety in Pakistan and its impact on human health. International Virtual Conference On Plant Based Food: For Food Security And Pandemic Management Organized by Department of Food Science & Technology, MNS-University of Agriculture, Multan on 15-16th October, 2020.

Participation as a Speaker in National and International Conference/ Seminars

1. Participated as a **Speaker in International Virtual Conference on Plant Based Food: Potential for Food and Pandemic Management** Organized by Department of Food Science & Technology, MNS-University of Agriculture, Multan on 15-16th October, 2020.
2. Participated as a **Speaker in International Conference on Pharma, Food and Healthcare** Organized by National Alliance for Safe Food on 11th-13th February, 2020.
3. Participated as a **Speaker in Training Workshop for Food Handlers on Food Safety and Hygiene Practices**

Organized by Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture Rawalpindi on 1st October, 2020.

4. Participated as a **Speaker in online Seminar on COVID-19 Impacts on Society and Awareness in Relation to Diet** on 8th July, 2020.
5. Participated as a **Speaker in 2 Days International Webinar Food Safety and Security** in Collaboration with PSFST Organized by University of Agriculture, Faisalabad Sub-Campus Burewala on 23-24th February, 2021.

Participation as an Organizer in National and International Conference/ Seminars

1. Participation as an **Organizing Secretary, International Seminar on Value Addition for Sustainable Grapes and Olive Production** Organized by Institute of Food and Nutritional Sciences in collaboration with CAS-D on 9 September 2020.
2. Participation as an **Organizing Secretary, International Seminar on Micronutrients Fortification of Food: Application and Impact** Organized by Institute of Food and Nutritional Sciences in collaboration with CAS-D on 19 October 2020.
3. Participation as an **Organizing Secretary “Global GAP Certification: Export, Promotion of Pakistani Fruits and Vegetables”** Organized by Institute of Food and Nutritional Sciences in collaboration with CAS-D on January 4, 2021.
4. Get funding as an **Organizing Secretary “Two Days Training Workshop on Food Safety and Hygiene Guidance for Food Handlers to Operate Safely During Covid-19”** Organized by Institute of Food and Nutritional Sciences, PMAS-AAUR on November 3-4, 2021.

Honor as a Co-Chair and Moderator

1. Honor to **Co-Chair** Technical Session in 1st Pakistan Food- Nutrition International Summit 2019 in Conjunction with “9th Pak Pharma & Healthcare Expo” 10-11 July at Pak China Friendship Center Islamabad-Pakistan
2. Honor to **Moderator** Technical Session in 1st Pakistan Food- Nutrition International Summit 2019 in Conjunction with “9th Pak Pharma & Healthcare Expo” 10-11 July at Pak China Friendship Center Islamabad-Pakistan.

Administrative services

Administrative Duties

- 1: Working as Deputy Director, Student Affairs, PMAS-AAUR
- 2: Member of **University Cafeteria Committee**, PMAS-AAUR
- 3: Member, **Admission Committee for M.Sc. and PhD admission**, IFNS, PMAS-AAUR
- 4: **Focal Person for Industry Linkage** Programme, IFNS, PMAS-AAUR
- 5: Member, **Self-Assessment Report**, IFNS, PMAS-AAUR
- 6: **Focal Person of Sports Committee**, IFNS, PMAS-AAUR
- 7: Focal Person for Award of **Character Certificate and DMC to Students** of IFNS, PMAS-AAUR
- 8: **Coordinator of Halal Auditor course** by IFANCA, Pakistan in collaboration with Institute of Food & Nutritional Sciences, PMAS-AAUR on 12-14 December, 2018.
- 9: **Coordinator of** Workshop on the concept of “**Halal and Tayyab**” Jointly organized by IFNS, PMAS-AAUR & IFANCA on May, 15th 2018.
- 10: **Coordinator of “World Food Day Celebrations 2018, Our Actions are our Future, A Zero Hunger World by 2030 is Possible**, organized by Institute of Food & Nutritional Sciences PMAS-AAUR on 16 October 2018.
- 11: **Coordinator of World Food Day Celebrations 2018, Food Product Development Competition** organized by Institute of Food & Nutritional Sciences PMAS-AAUR on 16 October 2018.
- 12: **Coordinator of Food Product Development Competition 2018** organized by Institute of Food & Nutritional Sciences PMAS-AAUR on April 25th, 2018.

Academic Duties

- 1: Teaching and research activities
- 2: Coordinator of various training programs at IFNS
- 3: Member board of studies department of Food Science and Technology, Khwaja Fareed University of Engineering and Information Technology
- 4: Member board of studies Institute of Food and Nutritional Sciences, PMAS-AAUR
- 5: Member of admission committee of undergraduate program
- 6: Member of admission committee of postgraduate program
- 7: Focal Person of sports activities at IFNS
- 8: External Examiner to evaluate Mphil and Phd thesis at AIU, GCUF and UAF
- 9: Member of CPEC Corporation Center

Advisory Services rendered if any

1. Focal person to strengthen academia-industry relationship to promote technology-transfer and commercialization activities
2. Focal Person to get Internship opportunities and get easy access to government authorities and industries
3. Life time member of Pakistan Society of Food Scientists and Technologists (PSFST)
4. Secretary Press and Publication PSFST for community services