

Muhammad Junaid

I am pragmatic, ambitious and determined person seeking to develop professional excellence through continuous progress in teaching, research and innovation.

Personal

Date of Birth 13th June 1985
Contact detail House No. 34, Street # 141, Chaudhry Street, Pir Ghazi Road, Ichhra
Lahore. (+92) 0300 – 4836804 [mjunaaid@uvas.edu.pk](mailto:mjunaid@uvas.edu.pk) ,

Education

2022	PhD (Dairy Technology)	University of Veterinary and Animal Sciences Lahore
2008 – 2011	Master of Philosophy, M. Phil (Dairy Technology)	University of Veterinary and Animal Sciences Lahore
2002 –2007	Doctor of Veterinary Medicine, (DVM)	University of Veterinary and Animal Sciences Lahore
2000 –2002	Higher Secondary Certificate (Pre-Medical)	Govt. College of Science, Wahdat road, Lahore, Pakistan
1995-2000	Secondary School Certificate	Govt. Central Model School, Saman Abad, Lahore, Pakistan

Work Experience

July 21 till to date	Project Director	Capacity Building	▪ Capacity Building of Dairy Farmers and Industry Stakeholders on Milk Value Chain
Aug 2017 Nov 2019	Project Coordinator	Camel Milk Value Chain Project	▪ Development of Camel Milk (Anmol) Value Chain by Adopting Modern Supply Chain Mechanism for Enhancing Farmers Profitability in Punjab
June 2016 till to date	Officer In charge	UVAS Dairy (Milk) Supply Chain	▪ Managing the supply chain of Cow buffalo milk and products (UVAS Dairy Pure) from Farm to Fork
01 Feb. 2011 till to date	Lecturer (BPS – 18)	Department of Dairy Technology, UVAS, Lahore	▪ Teaching and Academics work ▪ Planning and managing research activities of undergraduate and postgraduate students of dairy

			technology.
			<ul style="list-style-type: none"> ▪ Managerial Tasks ▪ Member of Various Committees ▪ Creating and editing tutorial case material and co-advising student organization.
20 Feb. 2008 to 30 Jan. 2011	Dairy Trainer (BPS – 17)	Dairy Training and Development Center, UVAS, Lahore	<ul style="list-style-type: none"> ▪ Teaching and Academics work ▪ Practical Performance ▪ Conduction of Trainings ▪ Dairy plant operation with research / innovation and product development.
Nov. 2007 to Mar. 2008	Research Associate	Molecular Diagnostics and Research Lab	<ul style="list-style-type: none"> ▪ DNA Extraction ▪ Polymerase Chain Reaction ▪ Gel Electrophoresis ▪ Solution Standardization

Positions Held Since 2008

-
- **Member Scientific and Technical committee (Dairy) in Punjab Food Authority (PFA)**
 - **Member UVAS Endowment Fund Raising Committee 2023**
 - **Member Livestock Advisory Committee**, wide L&DD notification No SO(I&C)/L&DD/3-1/2019/52/CM, 2023
 - **Internship coordinator** for B.S (Hons.) Dairy Technology placement in the industry 2023
 - **Finance Secretary UVAS Academic Staff Association 2021-23**
 - **Member working group** for Dairy sector for Punjab Livestock Policy wide notification No.SO (I&C)/L&DD/5-19/2020(38-B) dated 27 April 2021 under Secretary Livestock and Dairy Development Govt of Punjab
 - **Counsellors from UVAS** for Rehnumai Markaz established by PHEC wide Regr/SR-87/3375, since 2021
 - **Senior Tutor UVAS Ravi Campus 2020 till date**
 - **Member for Dairy Technology** for Adoption and implementation of **HEC Undergraduate Education Policy 2020** at UVAS
 - **Member from FAPT** for “Working Group of Less Than Desired Standards of Academic Degree Programs” of Vice Chancellor Convention 2020 vide registrar office notification no. Regr/Gen-62/471 dated 02-06-2020
 - **Member working group to review the Dairy Sector and Rural Economy 2019- 2020** Under Additional Chief Secretary on Agriculture and Rural Economy
 - **Business advisory services as a Dairy Consultant** to Livestock and Dairy Development Department Punjab, 2019-2022
 - Elected on the post of **Treasurer UVAS Academic Staff Association 2019-20**
 - **Member Dairy Development Task Force (DDTF) 2018** under L&DD Punjab, to access the Dairy Sector Supply chain

- **Focal person** for the Faculty of Animal Production and Technology for Institutional Performance Evaluation Team 2016-17
- **Member** Dairy Sector Committee of “Livestock Vision, 2025”, 2015
- **Focal person** Prime Minister National Laptop Distribution scheme for Department of Dairy Technology 2014 to date
- **Associate Senior Tutor** UVAS Ravi Campus, 2014 to 2020
- **Focal person** of Advanced Studies and Research Board (ASRB) for Ravi campus, 2012 to date
- **Convener** Music Drama Still Art society Ravi campus 2012 to date
- **Focal person** of Quality Enhancement Cell for Department of Dairy Technology, 2011 to date
- **Member** discipline committee UVAS annual sports 2011 to date
- **Member** Degree Distribution Committee UVAS convocation 2010 to date
- **Member** Prospects Committee 2009 to date
- **Focal person** for Nestle Scholarships 2009-2015
- **Vice President** UVAS Quiz Club 2008 to date
- Elected as **Executive Member, AusAID alumni association** (2014-16)

Awards and Esteem

- **Appreciation Letter** as Project Director on project “Capacity Building of Dairy Farmers & Industry Stakeholders on Milk Value Chain” by Punjab Food Authority, 2023
- **Appreciation Letter** for the efforts in the uplift of Dairy Sector by DALFA, 2023
- **Appreciation Letter** for educating relevant potential stakeholders on Milk Value Chain by Halal Research Council, 2023
- **Appreciation Letter** for the capacity enhancement of Dairy Farmers in Southern Punjab by KFUEIT- RYK, 2022
- **Appreciation Letter** on Acknowledging the Contribution to UVAS by Vice Chancellor, 2022
- **Appreciation Letter** for the contributions towards the uplift of Dairy Sector by DCFA, Sindh Pakistan, 2022
- **Appreciation Letter** with participation in National Horse and Cattle Show 10-13 March 2022
- Participated in visit of Holstein Demonstration Farm of the University of Veterinary and Animal Sciences Lahore`s Ravi Campus Pattoki Deputy by Chief of Mission from US Embassy of Pakistan Mr Andrew Schofer dated 17 October 2022 with **Appreciation Letter**.
- **Appreciation Letter** by Pakistan Veterinary Medical Council appreciated the efforts in revising the DVM curriculum 2019 on global format as per NCRC guidelines.
- **Appreciation Letter** International Buffalo Congress Organizing Secretary appreciated the efforts as member “Registration Committee” February 18-20, 2019
- **Silver Medalist** Master of Philosophy, M. Phil
- **4th position out of 120** Nestle **Gold Medalist** Doctor of Veterinary Medicine, DVM
- **2nd Position** in “**Ramzan Quiz**” **Competition 2008** held in PTV (Pakistan Television).
- **2nd position** in **Living on the Edge Quiz Competition 2008** held in PIAES Islamabad
- **2nd position** in **Inter Collegiate Quiz Competition 2006** held in Lahore

- 1st position in **All Pakistan Quiz Competition 2005** held in Lahore
- 1st position in **Quaid Talent Quiz 2005** held in Lahore
- 1st position in **University Debate Competition** held in Lahore

News Articles Published

- The Milky Way “Dairy Sector Can Contribute to Sustainable Economic Growth” **Bol News Express 22nd May 2022.**
- Milk prices hit records high as supply gap widens **The News September 30, 2021.**
- Laban (Stirred Yogurt) on Production; an emerging trend to Dairy Industry in Pakistan, **Daily Balochistan Express 23 January 2020**
- **Dairy Technologist** by Dr. Muhammad Junaid in **The Daily Jhang**
- Discussion published in **Daily Dawn Sunday 11 March 2017**, titled “What are we drinking in the name of Milk”

Practical Trainings International

March 2023	Participation in Workshop	US Association Colombo Sri Lanka	Soy	▪ Full Fat Soy Meal Production
November 2019	e-Learning Training	Food Preventive Control Alliance USA	Safety	▪ Preventive Controls for Human Food
November 2019	Training Certificate	University of Ohio USA	of	▪ Overview of US Food Safety Systems
June 2018	Training Certificate	The Halal Science Center Chulalongkorn University Thailand		▪ Halal Forensic Science Laboratory
20-23 November 2017	e-Learning Training	National Productivity Organization ministry of Industry & Production in collaboration with Asian Productivity Organization Japan.		▪ Food Safety in Supply Chains”

December 2016	e-Learning Training	National Productivity Organization ministry of Industry and Production in collaboration with Asian Productivity Organization.	▪ Innovative Approaches in Marketing of Agri-food products
Nov 2012 to Dec 2012	Training Certificate	University of Queensland, Australia.	▪ Pro-Poor Market Development under Australia Pakistan Agriculture Scholarship (APAS) Short Course Award 2012
Mar 2010 to Jun 2010	Training Certificate	Ptc+, Institute, Oensjerck, Leeuwarden, Netherlands	▪ International Diploma on Dairy Husbandry and Milk Processing
Sept 2009 to Oct 2009	Training Certificate	Ptc+, Institute, Oensjerck, Leeuwarden, Netherlands	▪ Dairy Farm Management and Milk Processing

Research Trainings

National

26-30 September 2022.	Training Certificate	Akhtar Hameed Khan National Centre for Rural Development (NCRD) Islamabad	▪ Food Security – Issues and Mitigation Strategies
18-20 March 2019.	Training Certificate	In-Service Training Facility of Advance Veterinary Education and Professional Development for Veterinary Professionals (IVPD)	▪ Constructive Alignment of Teaching Learning Context'

April 18, 2018	Training Certificate	Punjab Halal Development Agency	▪ Halal Training workshop on Halal Food Safety Standards
07-11 May 2018	Training Certificate	In-Service Training Facility of Advance Veterinary Education and Professional Development for Veterinary Professionals (IVPD)	▪ Mapping of DVM Curriculum for OIE Compliance and Integrated Learning Interventions
25 May 2017	Training Certificate	Quality Enhancement Cell	▪ Optimal Use of Turnitin by PG Supervisors
02 June 2016	Training Certificate	Pakistan Council for Science and Technology Islamabad	▪ National Workshop on Organic food and health; Avenues of innovation and Entrepreneurship
1 st - 2 nd April; and 30 th -31 st May 2016	Training Certificate	Jointly organized by UVAS and USAID Punjab Enabling Environment Project.	▪ Basic and Advanced Training on Policy Research in Livestock
02 April 2014	Training Certificate	Office of Research Innovation & Commercialization UVAS	▪ Workshop on the “Use of Endnote”. A tool for thesis writing.
08 July 2013 to 10 July 2013	Training Certificate	Quality Enhancement Cell, UVAS & Higher Education Commission Pakistan	▪ Workshop on “Ensuring Training Effectiveness”
August 2010 and September 2010	Training Certificate	Centre for Educational Policy and Administration (CEPA), UVAS Lahore	▪ Professional Competency Enhancement Program for Teachers (PCEPT) - Part I & Part II
March 2008 to March 2008	Training Certificate	Institute of Continuing Education and Extension UVAS	▪ Training on Scientific Equipment’s

Publications

2023

Dilshad Rashid, Nisar Ahmad, Imran Mohsin, Saeed Ahmad, Umair Younas, Muhammad Safdar, **Muhammad Junaid**, Zeeshan Muhammad Iqbal, Ali Haider Saleem, Absar Ahmad and Muhammad Shahid Nabeel, Factor Analysis of Biometric Traits of Marecha Camel In Pakistan. University of Sindh Journal of Animal Sciences. Uni. Sindh. J. Anim. Sci., vol. 7(1); 38-58, 2023. DOI: <https://doi.org/10.57038/usjas.v7i1.6226>.

2022

Dr Rahman Ullah, **Dr Muhammad Junaid**, Dr Nabila Gulzar, Mr Rahat Ullah Khan, Dr Baseer Ahmad, Ms Ambrina Tariq, Dr Aamir Iqbal, Mr Mushtaq Ahmed and Dr Mirwaise Khan. Isolation and molecular identification of enterotoxigenic strains of Escherichia coli in raw and pasteurized milk. Sarhad Journal of Agriculture 38(5): 289-299 <https://dx.doi.org/10.17582/journal.sja/2022/38.5.289.299>.

Muhammad Junaid, Saima Inayat, Nabila Gulzar, Anjum Khalique, Shahzad Faisal, Irfan.irshad and Imran.khan Physical, Chemical, Microbial, Sensory Evaluation and Fatty acid Profiling of Value-Added Drinking Yoghurt (Laban) under various storage conditions. Journal of Dairy Science J. Dairy Sci. 106 <https://doi.org/10.3168/jds.2022-22358>. IF. 4.86

Hafiz Shehzad Muzammil, Muhammad **Junaid**, Aysha Sameen, Qamar Abbas Syed, Rizwan Shukat and Rana Muhammad Aadil, Assessment of oligofructose and glycerol supplementation on glass transition temperature and quality of frozen yogurt. Journal of Food Processing and Preservation, (J Food Process Preserv. 2022;00:e16947) <https://doi.org/10.1111/jfpp.16947> IF 2.609

2021

Muhammad Junaid, Saima Inayat, Nabila Gulzar, Anjum Khalique, Umair Younas, Faisal Shahzad, Zeeshan Muhammad Iqbal & Muhammad Rajab, Effect of different fat levels on physicochemical, sensory and microbiological attributes of fermented laban milk, Journal of Applied Animal Research, <https://doi.org/10.1080/09712119.2021.2011297>. IF. 1.987

2020

Asad Hameed, Saima Inayat, Imran Javed, **Muhammad Junaid**, Ishtiaque Ahmad, Asim Ikram and Muhammad Ali, Physicochemical Quality and Sensory Attributes of Soy Milk Yogurt Blended with Buffalo Milk. Pakistan Journal of Life and Social Sciences Pak. j. life soc. Sci. (xxxx), xx(x): xxx E-ISSN: 2221-7630; P-ISSN: 1727-4915 (2021)

Umair YOUNAS, Muhammad ABDULLAH, Jalees Ahmed BHATTI, Nisar AHMED, Faisal SHAHZAD, Musadiq IDRIS, Sana TEHSEEN, **Muhammad JUNAID**, Saima TEHSEEN, Saeed AHMED, Biochemical and physiological responses of Nili-Ravi Buffalo (Bubalus bubalis) to heat stress. Turkish Journal of Veterinary and Animal Sciences Turk J Vet Anim Sci (2020) 44: 1196-1202 <https://doi.org/10.3906/vet-2005-145>, doi: 10.3906/vet-2005-145

Ishtiaque Ahamd, Anjum Khalique, **Muhammad Junaid**, Muhammad Qamar Shahid, Muhammd Imran, Abdul Ahid Rashid Effect of polyphenol from apple peel extract on the survival of probiotics in yoghurt ice cream. International Journal of Food Science and Technology 55(6): 2580-2588.Doi.org/10.1111/ijfs.14511 IF: 2.773

2018

U. Younas, M. Abdullah, J. A. Bhatti, T. N. Pasha, N. Ahmad and **M. Junaid** Effect of different housing management strategies on production and behavioral response of buffaloes during dry hot summer The Journal of Animal & Plant Sciences, 28(1): 2018, Page: 10-16

Hafiz Shehzad Muzammil, Barbara Rasco, **Muhammad Junaid**, Viability of Probiotics in Frozen Yogurt Supplemented with Inulin and Glycerol International Journal of Food Sciences and Nutrition 2018; 7(4): 116-120. doi: 10.11648/j.ijnfs.20180704.11

Muhammad Ajmal, Muhammad Nadeem, Muhammad Imran and **Muhammad Junaid**, Lipid compositional changes and oxidation status of ultra-high temperature treated milk. Lipids in Health and Disease. **Impact Factor 2.66** <https://doi.org/10.1186/s12944-018-0869-3>

2017

M. Nadeem, M. Imran I. Taj and **M. Junaid**. Omega-3 fatty acids, phenolic compounds and antioxidant characteristics of chia oil supplemented margarine. Lipids in Health and Disease. **Impact Factor 2.66** DOI 10.1186/s12944-017-0490-x

2016

Younas U., Abdullah M., Bhatti J. A., Pasha T. N., Khalique A., Shahzad F., **Junaid M.**, Manan A., Iqbal Z. M. and., Ali F. Consequences of Heat Stress during Early Summer on the Production Performance of Nili-Ravi Buffaloes under Subtropical Climatic Conditions. (2016). Transylvanian Review: Vol XXIV, No. 6, 655-662

2014

Physico-Chemical Properties of Yoghurt Prepared from Conventional and Probiotic Culture: Proceeding of International Conference on Beneficial Microbes ICOBM 2014, A-19 Page 81-84 ISBN 978-967-394-186-5 (**Conference Proceeding**)

2013

Development and Quality Assessment of Flavored Probiotic Acidophilus Milk; The Journal of Animal & Plant Sciences, 23(5): 2013, Page: 1342-1346 ISSN: 1018-7081

Projects Summary

1. Project Director for the project titled “**Capacity Building of Dairy Farmers and Industry Stakeholders on Milk Value Chain**” funded by ADP Scheme Punjab (**70.00 million Ongoing**) **2020-21**
2. **Project Coordinator** for the project titled “Development of Camel Milk Value Chain by Adopting Modern Supply Chain Mechanism for Enhancing Farmers Profitability in Punjab” funded by ADP Scheme Punjab (**30.290 million Completed**) **2017-18**
3. **Co PI** in project titled “Enhancement of Omega-3 Fatty Acids in Trans Free Margarine through Chia (*Salvia hispanica* L.) Oil”. Funded by Higher Education Commission (**1.14 million; Completed**) **2015-16** with PI Dr. Muhammad Nadeem

4. **Co PI** in project titled “Effect of Date Palm Extract for Oxidative Stabilization of Butter Oil at Ambient Temperature”. Funded by PARC (ALP) **0.16 million, Completed 2015-16** with PI Dr. Muhammad Nadeem

Scientific Conferences Presented

International

Oral Presentation / Abstract Published “Flavored Probiotic (Acidophilus) Buffalo Milk: Development and Quality Assessment” in the 10th World Buffalo Congress and the 7th Asian Buffalo Congress, on May 6-8, 2013 in Hilton Phuket, **THAILAND**.

Oral Presentation / Abstract Published “Physico-Chemical Properties of Yoghurt Prepared from Conventional and Probiotic Culture” in International Conference on Beneficial Microbes on 27-29 May 2014 in Penang **Malaysia**.

National

National Food Security Conference by Pakistan Agricultural Scientist’s Forum (July 09-12, 2009) Khanispur Muree Pakistan.

06th Asian Buffalo Congress (October 27-30, 2009) Lahore Pakistan.

Oral Presentation on (Preparation of Functional Low Fat Ice Cream from Buffalo Milk Fat-Super-olein Blends) in 06th Asian Buffalo Congress.

Oral Presentation / Abstract Published on (Establishing the Modern Value Chain in Pakistan; A Tool for Poverty Alleviation) in DAAD –HEC Summer School Food Security in Times of Climate Change COMSATS Institute of Information Technology, Islamabad Pakistan. 2nd - 5th November, 2013.

Oral Presentation / Abstract Published on “Effect of Various Concentrations of Hydrogen Peroxide on Chemical and Microbiological Quality of Raw Buffalo Milk” in 2nd International Workshop on Dairy Science Park (November 18-20, 2013) The University of Agriculture Peshawar, Pakistan.

Poster Presentation / Abstract Published on “Physico-chemical Properties of Yoghurt Prepared from Conventional and Probiotic Cultures” in 2nd International Workshop on Dairy Science Park (November 18-20, 2013) The University of Agriculture Peshawar, Pakistan.

Poster Presentation / Abstract Published on “Survival of Probiotic Bacteria in Commercial Infant Foods and Their Antimicrobial Activity against Food Borne Pathogens” in 2nd International Workshop on Dairy Science Park (November 18-20, 2013) The University of Agriculture Peshawar, Pakistan.

Oral Presentation / Abstract Published “Capacity Building of Dairy Farmers & Industry Stakeholders on Milk Value Chain” in International Conference on Sustainable Approaches in Food & Nutrition Systems on 20-21 February 2023, Khwaja Fareed University of Engineering & Information Technology, Rahim Yar Khan, Pakistan.

Oral Presentation / Abstract Published “Development & Sensory Evaluation of Flavored Probiotic Acidophilus Milk” in International Conference on Health Security on 14-15 March 2023, University of Veterinary & Animal Sciences, Lahore, Pakistan.

Professional Membership

- Member, Pakistan Veterinary Medical Council (PVMC)
- Member Australia Award Alumni Association managed by AusAid

Organizational Skills and Competences

- Headed the responsibilities of University Quiz Club as **Vice President** (2009- till to date).
- Headed the responsibilities of School Prefect (1999-2000).
- Selected/ served as Class representative and Proctor of class at University of Veterinary & Animal Sciences, Lahore.
- Arranged walks for raising awareness among people regarding pollution abatement.
- Commendably put efforts towards animal-welfare at the platform of Special Animals Veterinary Emergency Relief Society, University of Veterinary & Animal Sciences, Lahore (2007)
- Organized blood donor campaigns at the platform of Vets Blood Donor Society, University of Veterinary & Animal Sciences, Lahore (2003-2007) as Joint Secretary.

Technical Skills and Competences

- Competent in the usage of Microsoft Office, Endnote 9, and Internet
- Competent in serological diagnostic procedures
- Competent in technical report writing

Social Skills and Competences

- Competent in the usage of Microsoft Office, Endnote 9, and Internet
- Endowed with excellent ability to communicate, persuade, and interact with other people without undue conflict or disharmony
- Self-starter, disciplined, confident, and goal oriented
- Able to relocate/travel as needed