

# Muhammad Junaid

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

## Personal

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**Date of Birth** 13<sup>th</sup> June 1985

**Contact detail** House No. 4, Street # 93, Jan Muhammad Street, Pir Ghazi Road, Ichhra  
Lahore. (+92) 0300 – 4836804  
[mjunaid@uvas.edu.pk](mailto:mjunaid@uvas.edu.pk) ,

## Education

2012 – to date	<b>PhD Scholar (Dairy Technology)</b>	University of Veterinary and Animal Sciences Lahore
2008 – 2011	<b>Master of Philosophy, M. Phil (Dairy Technology)</b>	University of Veterinary and Animal Sciences Lahore
2002 –2007	<b>Doctor of Veterinary Medicine, (DVM)</b>	University of Veterinary and Animal Sciences Lahore
2000 –2002	<b>Higher Secondary Certificate (Pre-Medical)</b>	Govt. College of Science, Wahdat road, Lahore, Pakistan
1995-2000	<b>Secondary School Certificate</b>	Govt. Central Model School, Saman Abad, Lahore, Pakistan

## Work Experience

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Feb. 2011 till to date	<b>Lecturer (BPS – 18)</b>	Department of Dairy Technology, UVAS, Lahore	<ul style="list-style-type: none"><li>▪ Teaching and Academics work</li><li>▪ Planning and managing research activities of undergraduate and postgraduate students of dairy technology.</li><li>▪ Managerial Tasks</li><li>▪ Member of Various Committees</li><li>▪ Creating and editing tutorial case material and co-advising student organization.</li></ul>
Mar. 2008 to Jan. 2011	<b>Dairy Trainer (BPS – 17)</b>	Dairy Training and Development Center, UVAS, Lahore	<ul style="list-style-type: none"><li>▪ Teaching and Academics work</li><li>▪ Practical Performance</li><li>▪ Conduction of Trainings</li><li>▪ Dairy plant operation with research / innovation and product development.</li></ul>

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- Subjects taught in the semester I 2011-2012

Sr. No.	Course No.	Course Title	Credit Hours	Semester / Degree
1	DTEC 502	Fat Rich Dairy Products	3(2-1)	5 <sup>th</sup> , B.S. (Hons.) Dairy Technology
2	DTEC 701	Ice Cream & Frozen Desserts	3(2-1)	7 <sup>th</sup> , B.S. (Hons.) Dairy Technology
3	DTEC 304	Introduction to Food Chemistry	3(2-1)	3 <sup>rd</sup> , B.S. (Hons.) Dairy Technology

- Subjects taught in the semester II 2012

Sr. No.	Course No.	Course Title	Credit Hours	Semester / Degree
1	DTEC 601 Old curriculum course	Traditional Dairy Products	3(2-1)	6 <sup>th</sup> , B.S. (Hons.) Dairy Technology
2	DTEC 405 New curriculum course	Traditional Dairy Products	3(2-1)	4 <sup>th</sup> , B.S. (Hons.) Dairy Technology
3	APTC 808	Dairy Products and Processing Technology	3(2-1)	8 <sup>th</sup> , DVM (Morning)
4	APTC 808	Dairy Products and Processing Technology	3(2-1)	8 <sup>th</sup> , DVM (Evening)

- Subjects taught in the semester I 2012-2013

Sr. No.	Course No.	Course Title	Credit Hours	Semester / Degree
1	DTEC 06505	Dairy Products Research and Development	3(2-1)	5 <sup>th</sup> , B.S. (Hons.) Dairy Technology
2	DTEC 06701	Ice Cream & Frozen Desserts	3(2-1)	7 <sup>th</sup> , B.S. (Hons.) Dairy Technology
3	DTEC 06307	Introduction to Food Chemistry	3(2-1)	3 <sup>rd</sup> , B.S. (Hons.) Dairy Technology
4	DTEC1006	Analytical Techniques in Milk & Milk Products	3(1-2)	M.Phil. Dairy Technology

- Subjects taught in the semester II 2013

Sr. No.	Course No.	Course Title	Credit Hours	Semester / Degree
1	DTEC 06402	Chemistry of Dairy Products	3(2-1)	4 <sup>th</sup> , B.S. (Hons.) Dairy Technology
2	DTEC 06605	By – Products Technology	3(2-1)	6 <sup>th</sup> , B.S. (Hons.) Dairy Technology
3	APTC 808	Dairy Products and Processing Technology	3(2-1)	8 <sup>th</sup> ,DVM (Morning)
4	APTC 808	Dairy Products and Processing Technology	3(2-1)	8 <sup>th</sup> ,DVM (Evening)

- Subjects taught in the semester I 2013 (18-08-2013 to 25-12-2013)

Sr. No.	Course No.	Course Title	Credit Hours	Semester / Degree
1	DTEC 101	Food Chemistry	3(2-1)	1 <sup>st</sup> , B.S. (Hons.) Dairy Technology (Previous Scheme of Study)
2	DTEC 06307	Introduction to Food Chemistry	3(2-1)	3 <sup>rd</sup> , B.S. (Hons.) Dairy Technology
3	DTEC 06701	Ice Cream & Frozen Desserts	3(2-1)	6 <sup>th</sup> , B.S. (Hons.) Dairy Technology
4	DTEC 06706	Quality Assurance in Dairy Products (Practical only)	3(2-1)	6 <sup>th</sup> , B.S. (Hons.) Dairy Technology
5	DTEC1013	Chemistry of Dairy Product	3(2-1)	M.Phil. Dairy Technology

## Research Experience

Nov. 2007 to Mar. 2008	<b>Research Associate</b>	Molecular Diagnostics and Research Lab	<ul style="list-style-type: none"> <li>DNA Extraction</li> <li>Polymerase Chain Reaction</li> <li>Gel Electrophoresis</li> <li>Solution Standardization</li> </ul>
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<b>M.Phil. Research</b>	Development and Sensory Evaluation of Flavored Probiotic Acidophilus Milk
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## Practical Trainings International

Nov 2012 to Dec 2012	<b>Training Certificate</b>	University of Queensland, <b>Australia.</b>	<ul style="list-style-type: none"> <li>Pro-Poor Market Development under Australia Pakistan Agriculture Scholarship (APAS) Short Course Award 2012</li> </ul>
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Mar 2010 to Jun 2010	<b>Training Certificate</b>	Ptc+, Institute, Oensjerck, Leeuwarden, <b>Netherlands</b>	▪ International Diploma on Dairy Husbandry and Milk Processing
Sept 2009 to Oct 2009	<b>Training Certificate</b>	Ptc+, Institute, Oensjerck, Leeuwarden, <b>Netherlands</b>	▪ Dairy Farm Management and Milk Processing

## Research Training

### National

02 June 2016	<b>Training Certificate</b>	Pakistan Council for Science and Technology Islamabad	▪ National Workshop on Organic food and health; Avenues of innovation and Entrepreneurship
02 April 2014	<b>Training Certificate</b>	Office of Research Innovation & Commercialization UVAS	▪ Workshop on the “Use of Endnote”. A tool for thesis writing.
08 July 2013 to 10 July 2013	<b>Training Certificate</b>	Quality Enhancement Cell, UVAS & Higher Education Commission Pakistan	▪ Workshop on “Ensuring Training Effectiveness”
August 2010 and September 2010	<b>Training Certificate</b>	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	<b>Training Certificate</b>	Institute of Continuing Education and Extension UVAS Lahore	▪ Training on Scientific Equipment’s

## Publications

### 2016

Younas U., Abdullah M., Bhatti J. A., Pasha T. N., Khaliq 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

Production Performance of Nili-Ravi Buffaloes under Various Housing Management Practices during Hot-Dry Summer (**Submitted**) The Journal of Animal & Plant Sciences, ISSN: 1018-7081

### 2014

Physic-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**)

**2014**

Flavored Probiotic Acidophilus (Buffalo) Milk; Development and Quality Assessment; Buffalo Bulletin 32(2): 2013, Page: 1300-1304 ISSN: 0125-6726 (**Special edition**)

**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**

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1. **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; **Approved**) **2015-16** with PI Dr. Muhammad Nadeem
2. **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, **Approved and ongoing 2015-16** with PI Dr. Muhammad Nadeem

## **Scientific Conferences Presented**

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### **International**

**Oral Presentation / Abstract Published** “Flavored Probiotic (Acidophilus) Buffalo Milk: Development and Quality Assessment” in the 10<sup>th</sup> World Buffalo Congress and the 7<sup>th</sup> 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.

**06<sup>th</sup> Asian Buffalo Congress** (October 27-30, 2009) Lahore Pakistan.

**Oral Presentation** on (Preparation of Functional Low Fat Ice Cream from Buffalo Milk Fat-Superolein Blends) in 06<sup>th</sup> 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.

## Awards and Esteem

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- **Nestle Gold Medalist** Master of Philosophy, M. Phil
- **4<sup>th</sup> position out of 120 Nestle Gold Medalist** Doctor of Veterinary Medicine, DVM
- **2<sup>nd</sup> Position in “Ramzan Quiz” Competition 2008** held in PTV (Pakistan Television).
- **2<sup>nd</sup> position in Living on the Edge Quiz Competition 2008** held in PIAES Islamabad
- **2<sup>nd</sup> 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

## Student Supervision

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- I am supervising M.Phil. student research projects as a part of my Research job responsibilities in Department of Dairy Technology UVAS, Ravi Campus Pattoki (currently).

## Professional Membership

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

## Organizational Skills and Competences

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- 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

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- 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

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- 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