

# CURRICULUM VITAE

of

**DR. MUHAMMAD, KHASKHELI**  
**PROFESSOR**



**DEPARTMENT OF ANIMAL PRODUCTS TECHNOLOGY  
FACULTY OF ANIMAL HUSBANDRY & VETERINARY SCIENCES  
SINDH AGRICULTURE UNIVERSITY, TANDOJAM**

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## ***CURRICULUM VITAE***

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### **DR. MUHAMMAD KHASKHELI** ***PROFESSOR***

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### **1. ACADEMIC QUALIFICATIONS:**

- Ph.D in Dairy Technology (1998), University of Glasgow, UK.
- M.Sc. (Hons) in Livestock Management (1983), Sindh Agriculture University, Tandojam.
- DVM (1977), Sindh Agriculture University Tandojam.

### **2. PERSONAL INFORMATION:**

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Name (in Block Letters)	DR. MUHAMMAD, KHASKHELI
Father's Name:	JURIO, KHASKHELI
Family Name:	KHASKHELI
Date of birth	16 <sup>th</sup> September 1955
Domicile	Hyderabad (Rural)
National Identity Card No.	41303-4464199-7
Profession with present designation and Address.	Professor, Chairman Deptt: of Animal Products Technology, SAU. Tandojam
Home Address:	P.O. Tando Kaiser Via Tandojam, District Hyderabad, Sindh, Pakistan
Permanent Address:	-do-
Contact No.	Tel #: 92-22-2765870 Ext. 229 (Office) Cell #: 92-302-3905698

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### 3. EXPERIENCE:

#### Started Career as:

- **“Veterinary Representative”** in Welcome Pakistan, a Pharmaceutical company (1978, Five months).
- **“Veterinary Officer, BPS-17”** in the Department of Animal Husbandry, Sindh (from 22<sup>nd</sup> March 1986 to 5<sup>th</sup> April 1989).
- **“Lecturer, BPS-17”** in the Department of Dairy Technology, Sindh Agriculture University, Tandojam (from 6<sup>th</sup> April 1989 to 30<sup>th</sup> June 1995).
- **“Assistant Professor, BPS-18”** in the Department of Dairy Technology Sindh Agriculture University Tandojam (from July 1995 to 5<sup>th</sup> May 2005).
- **“Associate Professor, BPS-20”** in the Department of Animal Products Technology Sindh Agriculture University, Tandojam (from 6<sup>th</sup> May 2005 to August 2010).

#### Working as:

- **“Professor, BPS-21” & Chairman** in the Department of Animal Products Technology Sindh Agriculture University, Tandojam (from 23<sup>rd</sup> July 2010 to date).

### 4. CO-CURRICULAR ACTIVITIES

#### Working as:

- **“Chairman”** Department of Animal Products Technology, Faculty of Animal Husbandry and Veterinary Sciences, Sindh Agriculture University Tandojam. (From 5<sup>th</sup> May 2008 to date).
- **“Member”** Faculty Board of Studies, Animal Husbandry and Veterinary Sciences, Sindh Agriculture University, Tandojam.
- **“Member”** Departmental Board of Studies, Animal Products Technology. Faculty of Animal Husbandry and Veterinary Sciences, Sindh Agriculture University, Tandojam
- **“Member”** Departmental Board of Studies, Animal Breeding and Genetics. Faculty of Animal Husbandry and Veterinary Sciences, Sindh Agriculture University, Tandojam
- **“Member”** Departmental Board of Studies, Poultry Husbandry. Faculty of Animal Husbandry and Veterinary Sciences, Sindh Agriculture University, Tandojam
- **“Member”** Departmental Board of Studies, Veterinary Pathology, Faculty of Animal Husbandry and Veterinary Sciences, Sindh Agriculture University, Tandojam

- **“Member”** Academic Council , Sindh Agriculture University, Tandojam

**Worked as:**

- **“Committee Member”**, to review the status of Department of Food Technology, Sindh Agriculture University, Tandojam.
- **“Member”** National Curriculum Revision Committee in Food Technology, Higher Education commission, Islamabad.
- **“Member”** Departmental Board of Studies, Veterinary Microbiology. Faculty of Animal Husbandry and Veterinary Sciences, Sindh Agriculture University, Tandojam
- **“Member”** Departmental Board of Studies, Animal Nutrition. Faculty of Animal Husbandry and Veterinary Sciences, Sindh Agriculture University, Tandojam
- **“Member”** Departmental Board of Studies, Veterinary Pharmacology. Faculty of Animal Husbandry and Veterinary Sciences, Sindh Agriculture University, Tandojam
- **“Member”** Departmental Board of Studies, Livestock Management. Faculty of Animal Husbandry and Veterinary Sciences, Sindh Agriculture University, Tandojam
- **“Project Director”**, HEC funded Project entitled “Development of Animal Product Technologies” (Milk & Meat). Department of Dairy Technology, Faculty of Animal Husbandry and Veterinary Sciences, Sindh Agriculture University Tandojam. (From 29<sup>th</sup> May 2008 to March 2010).
- **“Principal Investigator”**, under Pakistan Science Foundation PAK-US Natural Sciences Linkages Programme, Islamabad funded Project entitled “Detection of antibiotic residues from milk meat and eggs”). Department of Animal Products Technology, Faculty of Animal Husbandry and Veterinary Sciences, Sindh Agriculture University Tandojam. (From July 2009 to June 2012).

**5. TRAINING RECEIVED:**

Nature of work	Duration	Name / Place of Institution
<b>LOCAL TRAININGS:</b>		
On farm dairy exotic cattle management	13 to 23 March, 1988	Pakistan Agriculture Research council, Islamabad.
English for academic purposes	9 Oct. to 13 Dec. 1990	Academy for Educational Development, Islamabad
<b>FOREIGN TRAININGS:</b>		
Postgraduate research training	1995-96	Faculty of Science, University of Glasgow,

course	(Session)	UK.
Program of safety trainings	Nov. 1995	The Scottish Agricultural College, Auchincruive, Ayr, UK
Fermented milk and cheese	17 to 29 March, 1996	Food Science and Technology Department, Scottish Agricultural college, Auchincruive, Ayr, UK.

## 6. SEMINARS AND CONFERENCES ATTENDED/PAPER PRESENTED

1. **“First SAC Postgraduate Poster research conference”** in September 1995 at Scottish Agricultural College, Edinbrugh, UK.
2. Presented poster on **“Dried fermented milk/cereal mixture (Kishk)”** in August 1996 at second SAC postgraduate research conference at Oswald Hall, Scottish Agricultural College, Auchincruive, UK.
3. STD Symposium on **“The current status of Bio-fermented milks – Focus on Europe”** held on 29<sup>th</sup> October 1996 at the Lecture Theatre, The Society of Chemical Industry. 14-15 Belgrave Square, London, UK.
4. **“Festival on Poverty Alleviation”** 2002 held on 27<sup>th</sup> August 2002 at Hindu Gymkhana Karachi, Sindh.
5. First National Agriculture and Animal Science Conference held in December 2004 at Sindh Agriculture University Tandojam and presented research paper entitled **“Study on Production and quality improvement of yoghurt made from camel milk”**.
6. Second National conference on Agriculture and Animal Sciences. Sindh Agriculture University Tandojam. November 23-25, 2005.
7. Third National conference on Agriculture and Animal Sciences. Sindh Agriculture University Tandojam. November 23-25, 2006.
8. Seminar on **“Transgenerational effect of the endocrine disruptor Vinclozolin on male spermatogenesis”** presented by Dr. M. A. Memon for the Center for Reproduction Biology, School Of Molecular Biosciences, Washington State University , Pullman USA, organized by SAU, Tandojam. 09-02-2007.
9. Seminar on **“ The Use of Salt tolerant Plants in animal nutrition and production”** presented by Hassan M. El Shaer from Desert Research Center, Mataria, Cairo, Egypt, organized by SAU, Tandojam. 21-03-2007.

10. First International Conference on Agriculture, Food and Animal Sciences Held on May 12-14- 2008 at Sindh Agriculture University, Tandojam & performed the duty as **Secretary** during technical sessions.
11. Poster presentation in “Livestock, Dairy, Fisheries and Poultry Seminar” on 7<sup>th</sup> & 8<sup>th</sup> Feb. 2011, Sponsored by Sindh Board of Investment, Govt. of Sindh at EXPO Center Karachi.
12. Participation in One day Seminar entitled “Food Prices-from Crises to Stability” on 15-10-2011, at Sindh Agriculture University, Tandojam.

## **7. RESEARCH ACTIVITIES:**

### **7.1 SUPERVISION OF RESEARCH SCHOLARS [M.Sc. (Hons) / M.Phil]:**

#### **Department of Animal Products Technology /Dairy Technology**

1. Malhi, J. D. 2000. Evaluation of Physico-Chemical Quality of Fore-Milk, Mid-Milk and Strippings of Kundhi Buffalo. **Thesis submitted** to Sindh Agriculture University Tandojam.
2. Chaudhry, S. 2002. Study on the Production and Quality improvement of Yoghurt made from camel milk. **Thesis submitted** to Sindh Agriculture University Tandojam.
3. Pathan, M. A. 2002. Study on the effect of Bovine Somatotropin (bST) on production and composition of Kundhi Buffalo milk. **Thesis submitted** to Sindh Agriculture University Tandojam.
4. Arain, H.H. 2003. Physico-chemical properties of buffalo colostrum and its utilization as a dried dairy product. **Thesis submitted** to Sindh Agriculture University Tandojam.
5. Jamali, A. 2004. Study on chemical and sensory quality of indigenous milk-based product “Rabri”. **Thesis submitted** to Sindh Agriculture University Tandojam.
6. Memon, S. 2005. Quality of milk sold at Tandojam. **Thesis submitted** to Sindh Agriculture University Tandojam
7. Ansari, G.H. 2006. Production pattern and utilization of milk at Tandojam. **Thesis submitted** to Sindh Agriculture University Tandojam.
8. Malik, R.S. 2007. Evaluation of  $\beta$ -Lactam antibiotic residues in market milk. **Thesis submitted** to Sindh Agriculture University Tandojam.
9. Fayyaz, H.M. 2008. Physico-chemical quality of sub-clinical and clinical mastitic buffalo milk. **Thesis submitted** to Sindh Agriculture University Tandojam.

10. Rajput, I.R. 2009. Study on the microbiological quality of commercial milk powder **Thesis submitted to Sindh Agriculture University Tandojam.**
11. Syed, H. F. 2009. Physico-chemical and organoleptic evaluation of different Brands of commercial Ice-cream. **Thesis submitted to Sindh Agriculture University Tandojam.**
12. Chaudhary, G.A. 2010. Production and properties of rennet from buffalo calves abomasa. **Thesis submitted to Sindh Agriculture University Tandojam.**
13. Mari, G.M. 2010. Study on compositional and Rheological quality of mozzarella cheese. **(Thesis submitted to Sindh Agriculture University Tandojam.)**
14. Khaskheli, G.B. 2010. Effect of various heat treatments on stability of antibiotic residues in milk. **Thesis submitted to Sindh Agriculture University Tandojam.**
15. Dalim. M. 2011. Study on preparation and properties of fruit flavoured milk-based beverages. **Thesis submitted to Sindh Agriculture University Tandojam.**
16. Naz. F. 2011. Production and evaluation of roller/drum dried buffalo milk powder. **Thesis submitted to Sindh Agriculture University Tandojam.**
17. Majeed, S. 2011. Effect of roller/drum drying system on some quality characteristics of cow milk powder. **Thesis submitted to Sindh Agriculture University Tandojam.**
18. Nangraj N. K. 2012. Effect of pasteurization on physico-chemical characteristics and shelf life of buffalo milk **Thesis submitted to Sindh Agriculture University Tandojam.**
19. Sayed M. H. 2012. Effect of skimming and condensation on composition and sensory quality of buffalo milk **Thesis submitted to Sindh Agriculture University Tandojam.**
20. Gilal, R.A. Study on some aspects of production and quality evaluation of Khoa (Research work completed and Thesis write up in progress).
21. Bughio R. Preparation and quality evaluation of cultured butter milk (Lassi) (Research work completed and Thesis write up in progress).
22. Kumar C. Study on the quality characteristics of chicken meat (Research work completed and Thesis write up in progress).
23. Amjad A. Physico-chemical characteristics of cow meat and edible offals (Research work completed and Thesis write up in progress).
24. Bhutto G. M. Study on consumption pattern and acceptability profile on milk and milk products at Jacobabad (Research work completed and Thesis write up in progress).
25. Hansraj. Study on quality characteristics of milk of buffaloes assembled for sale at livestock/ piriies (Research work completed and Thesis write up in progress).

26. Bhutto S. A. Qualitative and Quantitative studies on Chhana prepared from cow and buffalo milk (Research work completed and Thesis write up in progress).
27. Bhutt S. A. Effect of antibiotic residues on the production and quality characteristics of yoghurt (Research work completed and Thesis write up in progress).

## **7.2. CO-SUPERVISION OF RESEARCH SCHOLARS [M.SC. (HONS)]:**

### **Department of Animal Products Technology /Dairy Technology**

1. Warsy, S. S. 1994. Standardization of Cottage Cheese making. **Thesis submitted to Sindh Agriculture University Tandojam.**
2. Inayat, S. 2000. Study on the production and quality improvement of soft un ripened cheese made from camel milk. **Thesis submitted to Sindh Agriculture University Tandojam.**
3. Memon, M. A. 2000. Physico-Chemical and Hygienic Quality of milk supplied to canteens of various Hospitals in Hyderabad. **Thesis submitted to Sindh Agriculture University Tandojam.**
4. Kakar, M. 2005. Preservation of raw milk with activation of its lactoperoxidase system by addition of sodium thiocyanate and hydrogen peroxide. **Thesis submitted to Sindh Agriculture University Tandojam.**
5. Laghari, S.A. 2006. Studies on the physico-chemical composition of camel milk. **Thesis submitted to Sindh Agriculture University Tandojam.**
6. Khund, S. 2006. Study on milk production and consumption pattern at Landhi and surrounding dairy colonies of Karachi. **Thesis submitted to Sindh Agriculture University Tandojam**
7. Wazir, S.R. 2006. Quality appraisal of commercial brands yoghurt sold at Hyderabad. **Thesis submitted to Sindh Agriculture University Tandojam.**
8. Rajper, A.F. 2007. Study on somatic cell count and chlorides contents in rbST treated Kundhi buffalo milk. **Thesis submitted to Sindh Agriculture University Tandojam**
9. Muddasser, M. 2008. Production and comparison of butter made from sweet and sour market cream. **Thesis submitted to Sindh Agriculture University Tandojam**
10. Magsi, A.S. 2009. Study on production and evaluation of yoghurt ice cream. **Thesis submitted to Sindh Agriculture University Tandojam**



11. Brohi, S.A. 2009. Fermentability and rheological properties of the coagulum produced from lactoperoxidase activated buffalo milk. **Thesis submitted to** Sindh Agriculture University Tandojam.
12. Arain, M. A. 2009. Physico- Chemical and microbiological analysis of goat meat. **Thesis submitted to** Sindh Agriculture University Tandojam.
13. Shah, S. U. 2010. Compositional and microbiological quality of traditional fermented dried milk “Orud/Khrud” **Thesis submitted to** Sindh Agriculture University Tandojam.
14. Kalhoro, S. 2010. Evaluation of chemical composition and solubility of commercial dried milk powder. **Thesis submitted to** Sindh Agriculture University Tandojam
15. Awan, K. 2010. Physico-chemical and sensorial quality of buffalo meat. **Thesis submitted to** Sindh Agriculture University Tandojam.

**Department of Livestock Management:**

16. Memon, R. A. 1995. Study of Production and marketing patterns of Small ruminants in Hyderabad District. **Thesis submitted to** Sindh Agriculture University Tandojam.
17. Nandlal. 2009. Study on Production and Marketing Patterns of Sheep in District Sanghar. **Thesis submitted to** Sindh Agriculture University Tandojam.

**Department of Veterinary Microbiology:**

18. Chandio, T. H. 2000. Occurrence of *Listeria monocytogenes* in Bovine milk. **Thesis submitted to** Sindh Agriculture University, Tandojam.
19. Rais, R. 2003. The influence of Physico-Biochemical agents on growth and other properties of *Clostridium chauvoei*. **Thesis submitted to** Sindh Agriculture University, Tandojam.
20. Channa, I. A. 2006. Bacteriological Study on Poultry Litter. **Thesis submitted to** Sindh Agriculture University Tandojam.
21. Soomro, A. H. 2006. Study on Seroprevalence of Brucellosis in Cattle and Buffaloes. **Thesis submitted to** Sindh Agriculture University, Tandojam.
22. Tunio, M.T. 2006. In-Ovo Vaccination of chicken embryo with infectious bronchitis virus vaccine. **Thesis submitted to** Sindh Agriculture University Tandojam.
23. Kalhoro, D. H. 2007. Use of *In-Vitro* Antimicrobial Susceptibility of Vaccinal Strain of *Pasteurella Multocida* in Vaccine Production Process. **Thesis submitted to** Sindh Agriculture University Tandojam.

### **Department of Poultry Husbandry**

24. Kalwar, B.A. 2007. Effect on Various Levels of iron on the FCR and RBC count in Broilers. **Thesis submitted to** Sindh Agriculture University Tandojam.

### **Department of Animal Breeding and Genetics**

25. Kaleri, H. A. 2005. Study on the Repeatability estimates of some Performance Traits of Kamori Goat. **Thesis submitted to** Sindh Agriculture University Tandojam.
26. Arian, G.J. 2006. Repeatability Estimates of Characters of Economical Importance in Red Sindhi Cattle. **Thesis submitted to** Sindh Agriculture University Tandojam.
27. Jafrani, M. A. 2006. Repeatability Estimates of Characters of Economic Importance in Kundhi Buffalo. **Thesis submitted to** Sindh Agriculture University Tandojam.
28. Jiskani, G. H. 2006. Repeatability Estimates of Characters of Economic Importance in Kundhi Buffalo. **Thesis submitted to** Sindh Agriculture University Tandojam.
29. Sial, M. S. 2006. Correlation Estimates of Various Productive Traits of Kundhi Buffalo. **Thesis submitted to** Sindh Agriculture University Tandojam.

### **Department of Food Technology**

30. Lashari, N. A. 2006. Study on the suitability of wheat flour of different wheat varieties of Sindh for bread quality. **Thesis submitted to** Sindh Agriculture University Tandojam.
31. Soomro, L. 2006. Study on the role of calcium salts on the shelf life of mango **Thesis submitted to** Sindh Agriculture University Tandojam.
32. Miano, T.F. 2007. Effect of various ingredients on the physico-chemical properties and sensory quality of ice cream. **Thesis submitted to** Sindh Agriculture University Tandojam.
33. Rahoo, H. 2007. Studies on the effect of post-harvest applications of various salts on the shelf life of banana. **Thesis submitted to** Sindh Agriculture University Tandojam.
34. Ibupoto, N.P. 2007. Effect of Various drying methods on nutritional quality of okra vegetable. **Thesis submitted to** Sindh Agriculture University Tandojam.
35. Jat, Y. 2008. Effect of boiling/ Frying on the Quality Characteristics of Potato. **Thesis submitted to** Sindh Agriculture University Tandojam.
36. Arain, Z. 2008. Storage of Mango Pulp by using different chemical preservation. **Thesis submitted to** Sindh Agriculture University Tandojam.

37. Baloch, A.S. 2008. To study the Effect of Date Syrup on preservation and Quality of different varieties of Dates. **Thesis submitted to Sindh Agriculture University Tandojam.**
38. Lohano. D. K. 2009. Effect of Preservatives on the shelf life of bread at various temperatures. **Thesis submitted to Sindh Agriculture University Tandojam.**
39. Khaskheli. S. G. 2010. Effect of storage on chemical composition and sensory properties of mango (*Mangifera indica* L.) variety langra. **Thesis submitted to Sindh Agriculture University Tando Jam.**

### **7.3 SUPERVISION OF RESEARCH SCHOLARS (M.Phil)**

- 1 Yasir, A. Preparation and evaluation of Chhana whey beverages (Research work completed and Thesis write up in progress).
- 2 Solangi, A. H. Effect of thawing on the physical characteristics of chicken meat. (Research work completed and Thesis write up in progress).
- 3 Memon M. A. Surveillance of milk adulteration and its influence on physico-chemical characteristics of milk. (Research work completed and Thesis write up in progress).
- 4 Fazlani S. N. Glycogen level in goat meat and its effect on physical and sensory characteristics. (Research work completed and Thesis write up in progress).
- 5 Tunio F. A. Effect of glycogen level on physical characteristics of buffalo meat (Research work in progress).
- 6 Kalwar M. A. Compositional quality of Goat milk and its effect on chemical and sensory characteristics of yoghurt (Research work in progress).

### **7.4 SUPERVISION OF RESEARCH SCHOLARS (Ph.D)**

#### **Department of Animal Products Technology /Dairy Technology**

1. Mangsi, A. S. Detection and decontamination of antimicrobial drug residues in milk and meat (course work completed and research in progress).
2. Barham, G. S. Adulterations and their impact on quality characteristics of milk (course work completed and research in progress).

#### **Department of Livestock Management**

- 1 Huma R. Dairy production systems and role of stockman ship (Research work completed and Thesis write up in progress).

## 8. **DISSERTATIONS:**

1. **Khaskheli, M.** (1983). Study of Marketing of meat in Hyderabad city. M.Sc. (Hons.) Thesis, Sindh Agriculture University Tandojam, Pakistan.
2. **Khaskheli, M.** (1998). Some Aspects of the Production and Quality improvement of Fermented milk/cereal Mixture (Kishk). PhD. (Hons.) Thesis, University of Glasgow, UK.

## 9. **PUBLICATIONS**

### **International:**

1. Tamime, A.Y., D.D. Muir, M.N.I. Barclay. **M. Khaskheli**, & D. McNulty, 1997. Laboratory-made Kishk from wheat, Oat and barely. 1. Production and comparison of chemical and nutritional composition of Burghol, Food Res: Int: 30(5): 311-317.
2. Tamime, A.Y., D.D. Muir, M.N.I. Barclay. **M.Khaskheli** and D. McNulty, 1997. Laboratory-made Kishk from wheat, Oat and Barley: 2. Compositional Quality and Sensory Properties. Food Res: Int., 30(5): 319-326.
3. Tamime. A.Y., D.D. Muir, **M. Khaskheli** and M.N. I Barclay, 2000. Effect of Processing Conditions and Raw Materials on the Properties of Kishk. 1. Compositional and Microbiological Qualities. Lebensm,-Wiss, u- Technol., 33, 444-451.
4. Muir, D.D., A.Y. Tamime and **M. Khaskheli**, 2000. Effect of Processing Conditions and Raw Materials on the Properties of Kishk. 2. Sensory Profile and Microstructure. Lebensm. Wiss. u-Technol., 33, 452-461.
5. Aijaz Hussain Soomro, **M. Khaskheli**, M.B. Bhutto, M. G. Shah, A. Memon and P. Dewani. 2010. Prevalence and antimicrobial resistance of Salmonella isolated from poultry meat in Hyderabad Pakistan. Turkish Journal of Veterinary and Animal Sciences, 34 (5): 455-460.

### **National:**

6. **Khaskheli M.**, G.H. Soomro, G.B. Issani and H. Soomro, 1986. Study on some Aspect of meat marketing. Pak J. AAEVS, 2(1-2): 1-6.
7. Soomro, N.M., W.M. Bhatti, A.G. Arijo and **M. Khaskheli**, 1998. Prevalence of coccidiosis in chicken at commercial poultry farms in Hyderabad and adjoining areas. Proceeding of Parasitology, 25: 41-46.

8. Soomro, A.H., M.A. Arain, **M. Khasheli** and B. Bhutto, 2002. Isolation of *Escherichia coli* from raw milk and milk products in relation to public Health sold under market conditions at Tandojam, Pakistan J. of Nutr. 1(3):151-152.
9. Inayat, S., M.A. Arain, **M. Khaskheli** and A.H. Malik. 2003. Study on the effect of processing on the chemical quality of soft unripened cheese made from camel milk. Pakistan J. of Nutr., 2 (2): 102-105.
10. Soomro A.H, M.A. Arain, **M. Khaskheli**, B. Bhutto, 2003. Comparative study on the Physico-Chemical composition of Industrial yoghurt and Indigenous Dahi. Online J. of Biolog. Sci. 3(1):86-90.
11. Soomro, A.H, M.A. Arain, **M. Khaskheli**, B. Bhutto and A.Q. Memon, 2003. Isolation of *Staphylococcus aureus* from milk products sold at sweet-meat shops of Hyderabad. Online J. of Biolog. Sci. 3(1):91-94.
12. Nizamani, Z., L.A. Siddiqui, R. Rind, **M. Khaskheli**, A.W. Nizamani, 2003. Studies of *Escherichia coli* from layers and Broilers. J. of Anim. And Vety: Advances 2(4): 221-224.
13. **Khaskheli, M.**, M.A. Arain, S. Chaudhry, A.H. Soomro and T.A. Qureshi. 2005. Physico-chemical quality of camel milk. J. of Agri. and soc. Sci. vol. 1, 164-166.
14. Qureshi, T.A., K.B. Mirbahar, N.M. Soomro, **M. Khaskheli** and A.G. Arijo. 2005. Hematological study of experimental anaphylaxis in goats. J. of Agri. and soc. Sci. vol. 1, 161-163.
15. Wazir, S. R., M. A. Arain, **M. Khaskheli** and A. H. Soomro. 2006. Quality appraisal of Commercial brand yoghurt sold at Hyderabad. Pakistan Journal of Agriculture Agricultural Engineering and Veterinary Sciences, 22 (2): 47-52.
16. Memon, Z.N., G.S. Gachal, M.A. Arain, A.H Soomro and **M. Khaskheli**. 2006. Incidence of infectious Bronchitis disease in an around Hyderabad. Sindh Univ. Res. Jour. (Sci. Ser.), 38(2): 33-38.
17. Kaleri, H.A., A.H. Nizamani, **M. Khaskheli** and M.H. Baloch. 2007. Repeatability estimates of some performance traits of Kamori goat. Pak. J. Agri. Engg. Vet. Sci. 23(1):53-56.
18. **Khaskheli, M.** A, Jamali. M.A. Arain, A.H. Nizamani, A.H. Soomro and H.H. Arain. 2008. Chemical and sensory Quality of Indigenous milk Based Product 'Rabri'. Pak. J. Nutr., 7 (1): 133-136.
19. Arain, H.H, **M. Khaskheli**, M.A. Arain, A.H. Soomro and A.H. Nizamani. 2008. Heat Stability and Quality Characteristics of Postpartum Buffalo milk. Pak. J. Nutr., 7 (2): 303-307.

20. **Khaskheli, M.**, R.S. Malik, M.A. Arain, A.H. Soomro and H.H. Arain. 2008. Detection of  $\beta$ -Lactam Antibiotic Residues in market milk. Pak. J. Nutr., 7 (5): 682-685.
21. Javaid, S.B., J.A. Gadahi, **M. Khaskheli**, M.B. Bhutto, S. Kumar and A.H. Panhwar. 2009. Physical and chemical quality of market milk sold at Tandojam, Pakistan. Pakistan Vet. J., 29(1): 27-31.
22. Kamboh, A.A, N. Rajput, I.R Rajput, **M. Khaskheli** and G.B. Khaskheli. 2009. Biochemical properties of bacterial contaminants isolated from Livestock Vaccines. Pak. J. of Nutr. 8 (5): 578-581.
23. Rajput, I. R, **M. Khaskheli**, A.H Soomro, N.Rajput and G.B Khaskheli. 2009 Enumeration of *Thermophilic* and *Thermoduric* spores in commercial repacked milk powder. Pak. J. Nutr., 8 (8): 1196-1198.
24. Rajput, I. R, **M. Khaskheli**, S. Rao, S. A Fazlani, Q. A. Shah and G.B Khaskheli. 2009 Microbial Quality of formulated infant milk powders. Pak. J. Nutr., 8 (10): 1665-1670.
25. Arain, M. A, I.R. Rajput, **M. Khaskheli**, S. Faraz, K. Devrajani and S.A. Fazlani 2010. Evaluation of Microbial Quality of Goat Meat at Local Market of Tandojam. Pak J. of Nutr., 9 (3): 287-290.
26. Arain, M. A, **M. Khaskheli**, I.R. Rajput, S. Faraz, S. Rao, M. Umer and K. Devrajani 2010. Effect of Slaughtering Age on Chemical Composition of Goat Meat. Pak. J. of Nutr., 9 (4): 404-408,
27. Arain, M. A, **M. Khaskheli**, I.R. Rajput, S. Rao, S. Faraz, S.A. Fazlani, K. Devrajani and M. Umer 2010. Examination of Physical Properties of Goat Meat. Pak J. Nutri 9 (5): 422-425.
28. Mangsi, A. S., A. H. Soomro, M. H. Baloch, **M. Khaskheli**, A. H. Nizamani and G. B. Khaskheli. 2011. Production and evaluation of yoghurt ice cream. Pak J. Nutri 10 (10): 955-958.
29. Dalim, M., **M. Khaskheli**, M.H. Baloch, A.H. Soomro, G.B. Khaskheli, A.S. Mangsi and G.S. Barham. 2012. Production and Comparison of Banana and Chikoo Flavoured Milk-based Beverages. Pak. J. Nutr. 11 (6): 600-604.

### **Booklet**

30. Khaskheli, M., A. H. Soomro, H. H. Arain, G. B. Khaskheli and A. F. Rajper. 2009. Milk Products Manufacturing Technologies (English, Urdu and Sindhi).

## **Manual**

31. Khaskheli, M., A. H. Soomro, H. H. Arain, G. B. Khaskheli, A. S. Mangsi and A. F. Rajper 2010. Dairy Laboratory Manual

## **Brochures**

32. Khaskheli, M. 2010. Department of Animal Products Technology. (English).
33. Khaskheli, M. 2010. Butter making. (Urdu and Sindhi).
34. Khaskheli, M. 2010. Milk Beverages. (Urdu and Sindhi).
35. Khaskheli, M. 2010. Yoghurt (Urdu and Sindhi).
36. Khaskheli, M. 2010. Khoa. (Urdu and Sindhi).
37. Khaskheli, M. 2010. Cheese. (Sindhi).
38. Khaskheli, M. 2010. Sausages. (Sindhi).
39. Khaskheli, M. 2010. Dried milk. (Sindhi).
40. Khaskheli, M. 2010. Lassi. (Sindhi).
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## **II Conference Publications**

### **International**

- Khaskheli, M.** 1996. **Dried fermented milk/cereal mixture (Kishk).** Poster presented in second SAC postgraduate research conference held on August 1996 at Oswald Hall, Scottish Agricultural College, Auchincruive, UK.

### **National**

- Khaskheli, M.,** M.A. Arain, S. Chaudhry, A.H. Soomro and T.A. Qureshi. 2004. Production and quality of Dahi/yoghurt made from camel milk. Paper present in National Conference on Agriculture and Animal Sciences held on 23rd – 25th Nov at Sindh Agriculture University Tandojam. Conference Proceedings.

- Arain, M . A., **M . Khaskheli,** M . A. Pathan and H .H . Arain. 2004. Study on the effect of bovine somatotropin (bst) on production and composition of Kundhi buffalo milk. Paper presented in the first National conference on Agriculture and Animal Sciences held on 23-25th November 2004 at Sindh Agriculture University Tandojam.

Arain, M . A., **M .Khaskheli** and N. N. Ansari. 2004. Effect of foot and mouth disease on milk production at different dairy colonies around Karachi. Presented in the Regional workshop on progressive control strategy of FMD organized by MINFAL and European Commission, Islamabad. Under strengthening of Livestock services project at Pearl Continental Bhurban, Murree.

### **13. RESEARCH PROJECTS**

#### **COMPLETED**

- 1 Standardization of cottage cheese making, Sponsor by Sindh Agriculture University Tandojam (Duration 8 months, 20-08-1990).
- 2 Preservation of Fresh milk of Buffaloes and Cows by activation of lacto peroxides system. Sponsor by Sindh Agriculture University Tandojam (Duration 8 months, 13-02-04).
- 3 Isolation and typing of various *Streptococcus thermophilus* and *Lactobacillus bulgaricus* from local Dahi samples and their effect on various, physico-chemical properties of milk during fermentation”. Sponsor by Pakistan Science Foundation (2 years: From 01-06-91 to 31-5-93).
- 4 Preservation of fresh milk of buffalo and cow by activation of Lactoperoxidase system. Sponsor by Sindh Agriculture University Tandojam (Duration 8 months, 04-12-2003)
- 5 Detection of antibiotic residues from milk meat and eggs. Pakistan Science Foundation PAK-US Natural Sciences Linkages Programme Islamabad.
- 6 HEC funded Project entitled “Development of Animal Product Technologies” (Milk & Meat). Department of Dairy Technology, Faculty of Animal Husbandry and Veterinary Sciences, Sindh Agriculture University Tandojam. (from 29<sup>th</sup> May 2008 to March 2010).

#### **SUBMITTED**

- Short Term Technical Training Program in Livestock Products Processing. **Submitted to** National Vocational Technical Education Commission Prime Minister’s Secretariat (Public), Karachi Vide Letter No. P&D/2007/677 Dated: 11-08-2007.

#### **Concept Research Paper**

- Approaches to improve the quality of some traditional fermented milks as value-added products. Submitted to Dean Faculty of Animal Husbandry and Veterinary Sciences,



Sindh Agriculture University Tandojam, for onward transmission Vide Letter No. DT/221/ June 2007.

- Development of technologies for proper utilization of a meat by products. Submitted to Dean Faculty of Animal Husbandry and Veterinary Sciences, Sindh Agriculture University Tandojam, for onward transmission Vide Letter No. DT/221/ June 2007.

#### 15. TRAININGS ORGANIZED

S.No	Title of Training Course	Duration	Name / Place of Institution
1	Milk preservation, Processing and value added products Manufacturing Technologies Applicable to Small Rural Milk Producers	10 <sup>th</sup> to 15 <sup>th</sup> Dec. 2007	Deptt. of Animal Products Technology SAU Tandojam
2	Milk Quality Tests for Field Staff of livestock and Dairy Development Board Sindh and Balochistan Regions	13 <sup>th</sup> Jan. 2009	Deptt. of Animal Products Technology SAU Tandojam
3	Milk Products Manufacturing Technologies Applicable to Rural Community.	7 <sup>th</sup> to 13 <sup>th</sup> August 2009.	Deptt. of Animal Products Technology SAU Tandojam
4	Capacity Building of Rural Women through Milk and Meat Preservation and Processing Technology	26 <sup>th</sup> to 31 <sup>st</sup> March 2010.	Deptt. of Animal Products Technology SAU Tandojam
5	Community Awareness Program on Processing and Quality Characteristics of Milk	4 <sup>th</sup> to 5 <sup>th</sup> May 2010.	Badin, Sindh
6	Community-based Livestock Extension Workers Training Sindh Costal Community Development Project NRSP-Institute of Rural Management -Thatta.	19 <sup>th</sup> May 2010	Deptt. of Animal Products Technology SAU Tandojam
7	Dairy Products Processing and Preservations including Animal By-Products and Value Addition	July 22 to August 20 <sup>th</sup> 2010	Deptt. of Animal Products Technology SAU Tandojam