

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
جامعة الخرطوم
University of Khartoum
كلية الإنتاج الحيواني
Faculty of Animal Production
قسم انتاج الالبان
Department of Dairy Production

Curriculum Vitae

Name: Ibtisam El Yas Mohamed El Zubeir

Country: Sudan

Sex: Female

Martial status: Single

Languages: Arabic and English

Contact address:

Postal address:

Professor Ibtisam E. M. El Zubeir

Department of Dairy Production

Faculty of Animal Production,

University of Khartoum

P.O. Box 321, Khartoum, Sudan

E- mail Ibtisammohamed@hotmail.com, Ibtisam_elzubeir@yahoo.com

Mobile phone: +249 912251610

Fax: +249 85 32 12 46

Education:

- Primary School, 1972-1978
- Intermediate School, 1978- 1981
- Higher Secondary School, 1981-1984.

Academic Qualifications:

- B. V. Sc., Faculty of Veterinary Science, University of Khartoum, Sudan, 1989.
- Ph.D., Faculty of Animal Production, University of Khartoum, Sudan, 1996.

Fellowships and Awards:

- German Academic Exchange Program (DAAD) sponsored my Ph. D. at the University of Khartoum, Sudan, 1991- 1996
- Short Research Period (October 1998- Feb. 1999) at the Institute of Microbiology and Disease Diagnosis, FU, Berlin- Germany, funded by DAAD.
- UNESCO Pilot African Academic Exchange Program (UPAAE) Fellowship to conduct research in South Africa, March- August 2001.
- Conducted a project entitled: The quality control of milk and milk products in Khartoum State, funded by Islamic Development Bank for Young Researchers Support Program, University of Khartoum and Ministry of Higher Education and Scientific Research, 2004.
- Conducted a project entitled: Isolation and identification of bacteria causing mastitis in dairy farms in Khartoum State, funded by Ministry of Higher Education and Scientific Research, 2004.
- German Academic Exchange Program (DAAD) and University of Khartoum sponsored My Post doc. Stay at University of Giessen, Germany (Phenotypic and genotypic characteristics of methicillin resistance from *Staphylococcus intermedius*), September 2005- March 2006.
- I conducted a project entitled: Aflatoxins in animal feeds and animal products. Funded by Sudanese Standards and Metrology Organization, 2008 and Ministry of Higher Education and Scientific Research, 2009.
- The Arab Science and Technology Foundation (ASTF) and ALJ Grant for Funding Scientific Research and Innovation in Technology funded me for the project: Intermediate Technology Interventions and Camel Nomadic Community Development, 2009.
- I acted a co investigator in the project entitled: *Listeria monocytogenes* in milk production chain in Khartoum State. Funded by Sudanese Standards and Metrology Organization, 2008 and Ministry of Higher Education and Scientific Research, 2009.
- I acted as the principle investigator in the project entitled: Isolation and identification of bacteria causing contagious mastitis in milk yield and composition in different production systems. Funded by University of Khartoum, 2010.
- I acted as a co investigator in the project entitled: Isolation and identification of bacteria responsible for fermentation of dairy products in the Sudan.. Funded by University of Khartoum, 2010.

- I awarded Netherlands Fellowship Programme (NFP): Agriculture in transition: innovative approaches to sustainable farming. Wageningen UR Centre for Development Innovation, the Netherlands. 13- 24 May 2013.

Experience:

- Training period at the Arab Company for Agricultural Production and Processing (Dairy and Poultry Farms), June 1990-August 1991.
- Joined the Ministry of Animal Resources as a Veterinary officer 1990-1998.
- Appointed as Assistant Professor at the University of Khartoum, Faculty of Animal Production, September 1998.
- Conducted a comparative study of milk quality control measures in Western Cape, South Africa, funded by UNESCO and NRF/ Royal Society of South Africa, March- August, 2001.
- Member of the Examination committee, Faculty of Animal Production, University of Khartoum, May 1999- August 2000.
- Secretary of the Faculty Board, Faculty of Animal Production, U. of K., June 2000- June 2003.
- Represented the Faculty of Animal Production at the Faculty Board of the Faculty of Technological and Developmental Studies, U. of K., 1999- 2003.
- Represented the Faculty of Animal Production at the Faculty Board of the Institute of Environmental Studies, U. of K., 1999- 2003.
- Represented the Faculty of Animal Production at the Faculty Board of the Institute of Developmental Studies, U. of K., 2000.
- Head, Department of Dairy Production, Faculty of Animal Production, 3/12/2001 to December 2009.
- Member of the Faculty Board, Faculty of Animal Production, University of Khartoum, December 2001 to December 2009.
- Member of the Research Board, Faculty of Animal Production, University of Khartoum December 2001 to December 2009.
- Member of Senate, University of Khartoum December 2001 to December 2009.
- Student Tuition Committee, Faculty of Animal Production, University of Khartoum, since October 2003.
- Coordinator of M. Sc. Dairy Production and Technology April 2003- 2004.
- Represented the Faculty of Animal Production for the Agreement for promotion of natural resources between University of

Khartoum, University of Sudan and Ministry of Agriculture and Natural Resources, Khartoum State, 2004.

- Promoted to Associate Professor at the University of Khartoum, Faculty of Animal Production, February 2005.
- Member of the Academic reform committee, Faculty of Animal Production, University of Khartoum, March 2006 to December 2013.
- Promoted to Associate Professor at the University of Khartoum, Faculty of Animal Production, February 2005.
- Member of the Academic reform committee, Faculty of Animal Production, University of Khartoum, March 2006.
- Promoted to full Professor at the University of Khartoum, Faculty of Animal Production, February 2010.
- Co-ordinator for Master of Tropical Animal Production since 2012.
- Editor in chief for Veterinary Medicine and Animal Production Journal, since October 2014.

Community Services and National Contributions:

- Participated in the survey on rural women role at the dry lands (El Butana area) as part of the project entitled: The Dry Land Husbandry Project (Sudan), funded by IGAD, 1997.
- Participated in the project entitled Poverty Alleviation for rural women at Abu Dilaig, Butana area, funded by Ford Foundation, 1997.
- Participated in the project entitled: Community based training for sustainable poultry production program in ElKamonab and the nearby villages. Bawadina Rural Women Development Society (BRWDS), the Community Exchange Training Project (CETP) and IGAD, 2006.
- Member of the trustee Council of the Sudanese Centre for Aflatoxins, Sudanese Standards and Metrology Organization, December 2006.
- Member of the technical Committee for the establishment of the central laboratory, University of Zalingei. Ministry of Higher Education and Scientific Research, February 2009- 2010.
- Participated in the project targeting training programs for capacity buliding of Dairy Development (Training on Milk hygiene at farms for farmers affiliated with KAPO and Dall Animal Feed Factory, A traing manal was also developed during 2011-2012.
- Conducting a training for Professtionals from Ministry of Animal Resources on Animal products and developemt of a draft for

Training Manual on Sudan productive capacity recovery program (SPCRP-CB) funded by FAO) during the period of 2010 and 2011.

Teaching and Supervision:

Teaching:

Undergraduate B Sc. courses:

- Participated in teaching the students of the Faculty of Veterinary Science, U. of K, the course of Animal Production 11, 1998.
- Teaching the undergraduate students of the Faculty of Animal Production, U. of K, the course of Quality Control of Animal Products, since 1998.
- Teaching the undergraduate students of the Faculty of Animal Production, U. of K, the course of Introduction to General Microbiology, since 2002.
- Teaching the undergraduate students of the Faculty of El Neelain University the course of Quality Control of Food, 2003- 2005.
- Participating in teaching the undergraduate students of the Faculty of Animal Production U. of K, the course Scientific Research and Writing, since 2007.
- Participated in teaching the students of the Faculty of Veterinary Science, U. of K, the course of Animal Production 11, 2010- up todate.

Undergraduate Diploma courses:

- Participated in teaching the students of the Faculty of Animal Production (Dairy Production and Technology, Meat Production and Technology and Forage Production and Technology), U. of K, the course of Farm Management, 2003-2005.
- Teaching the students of Dairy Production and Technology, Department of Dairy Production, Faculty of Animal Production, U. of K, the course of Principles of Dairy Science and Microbiology, 2004- 2005.
- Teaching the students of Dairy Production and Technology, Department of Dairy Production, Faculty of Animal Production, U. of K, the course of Dairy Project Establishment, 2004- 2005.
- Participated in teaching the students of Dairy Production and Technology, Department of Dairy Production, Faculty of Animal Production, U. of K, the course of Dairy Herd Health, 2004-2005.

Postgraduate (M. Sc. courses):

- Teaching the course of Dairy Production to the M. Sc. Dairy Production and Technology students, Faculty of Animal Production, U. of K., 2002- 2005.
- Teaching the course of Dairy Microbiology to the M. Sc. Dairy Production and Technology students, Faculty of Animal Production, U. of K., since 2002.
- Participated in teaching the course of Food Safety and Quality Control to the M. Sc. postgraduate students (Nutritional Science), Faculty of Animal Production, U. of K., 2003.
- Participated in teaching the course of Tropical Dairy Production to the M. Sc. postgraduate students (Tropical Animal Production), Faculty of Animal Production, U. of K., since 2010.
- Participated in teaching the course of Tropical Animal Health II to the M. Sc. postgraduate students (Tropical Animal Health), Faculty of Veterinary Medicine, U. of K., since 2010.

Supervision:

- Supervisor for 38 graduations projects for the students from Faculty of Animal Production, U. of K., 2 students from Ahfad University and 3 student from El Neelain University during the period of 2000- 2012.
- Currently I am a supervisor for 3 Ph. D. students and 12 M. Sc. Students and I am a Co- supervisor for 1 Ph. D. student, Faculty of Animal Production. I am also a supervisor for and 3 M. Sc. Students from Faculty of Veterinary Medicine, 1 student from the Faculty of Public and Environmental Health, University of Khartoum and 1 Ph. D. student from Faculty of Animal Production, University of Gezira.
- About 50 M. Sc. students had successfully completed their research under my supervision and awarded their degrees.
- I acted as an internal examiner for 1 Ph. D. thesis and more than 26 M. Sc. thesis from Animal Production, 2 from Faculty of Public and Environmental Health, University of Khartoum and as an external examiner for 6 M. Sc. thesis.

Research interest:

The main fields of research include: Dairy Production, Dairy Microbiology and Hygiene, Quality control of milk and milk products.

Conferred postgraduate studies:

M. Sc. Students:

1. Candidate: Awatif Ahmed Mohamed Elamin

Research Project: The effect of the broad environment on the disposal rate of Friesian dairy herd in Khartoum State.

Degree Awarded and date: M. Sc. Tropical Animal Production, U. of K., 2000.

2. Candidate: Wala Mokhtar El Fakey Hussein

Research Project: The interaction between prolonged lactation length and some reproductive traits in Butana Dairy Farm.

Degree Awarded and date: M. Sc. Tropical Animal Production, U. of K., 2001.

3. Candidate: Wigdan Mahmoud Abdalla

Research Project: Chemical composition and some microbial hazards associated with processing roub and mish.

Degree Awarded and date: M. Sc. Dairy Production and Technology, U. of K., 2003.

4. Candidate: Mugahid El Rayah Abd El Gadir

Research Project: Productional performance of crossbred (Saanen & Nubian) goats in the second kidding under Sudan conditions.

Degree Awarded and date: M. Sc. Tropical Animal Production, U. of K., 2003.

5. Candidate: Nazik Eltahir Awadalla*

Research Project: Bacteriological examination of Hillat Kuku milk.

Degree Awarded and date: M. Sc. Microbiology, School of Biotechnology, Faculty of Science, El Neelain University, 2003.

6. Candidate: Nada Awad Mohamed Oshi*

Research Project: Isolation and biochemical effect of *Salmonella spp.* on white soft cheese.

Degree Awarded and date: M. Sc. Microbiology, School of Biotechnology, Faculty of Science, El Neelain University, 2003.

7. Candidate: Leyma Mohamed Warsama

Research Project: Composition and hygienic quality of Sudanese white soft cheese in Khartoum North markets.

Co supervisor*

Degree Awarded and date: M. Sc. Dairy Production and Technology, U. of K., 2004.

8. Candidate: Ali Ahmed Osman Elmagli,

Research Project: Study on the quality of pasteurized milk in Khartoum State.

Degree Awarded and date: M. Sc. Animal Production, U. of K., February 2005.

9. Candidate: Mohamed Elgali Mohsin Abdalla

Research Project: Effect of different management practices on milk hygiene of cross dairy goat farms in Khartoum State.

Degree Awarded and date: M. Sc. Dairy Production and Technology, U. of K., February 2005.

10. Candidate: Nahid Nouri Idris Mohamed

Research Project: Evaluation of the quality of raw milk in markets of Khartoum State.

Degree Awarded and date: M. Sc. Animal Production, U. of K., February 2005.

11. Candidate: Rihab Awad Hassan Siddig

Research Project: Some quality measurements of 'gariss' from nomadic and transhumance camel herders with a trail to improve its keeping quality.

Degree Awarded and date: M. Sc. Dairy Production and Technology, U. of K., February 2005.

12. Candidate: Intisar Mahdi Bushara Hamed

Research Project: The influence of *Staphylococcus aureus* mastitis on milk composition of different dairy breeds in Khartoum State.

Degree Awarded and dates: M. Sc. Dairy Production and Technology, U. of K., August 2005.

13. Candidate: Fardous Mohammed Bellow Abdel Kariem*

Research Project: A study of the effect of some aerobic spoilage bacteria on milk during storage.

Degree Awarded and date: M. Sc. Microbiology, School of Biotechnology, Faculty of Science, El Neelain University, 2005.

14. Candidate: Mohamed Salih Abdel Hafeez

Co supervisor*

Research Project: Study on some factors influencing the keeping quality of the processed Sudanese white cheese.

Degree Awarded and date: M. Sc. Animal Production, U. of K., November 2005.

15. Candidate: Musa Fudle Elseed. Obied Fudle Elseed *.

Research Project: Study on bacterial contaminants of raw milk in small dairy producing units in Omdurman, Khartoum State.

Degree Awarded and date: M. V. Sc., Faculty of Veterinary Medicine, U. of K., 2005.

16. Candidate: Ammar Mohmed Elhassan Mohamed Said Ahmed

Research Project: Assessment of microbial loads and antibiotic residues in milk supply in Khartoum State.

Degree Awarded and date: M. Sc. Dairy Production and Technology, U. of K., September 2006.

17. Candidate: El Tahir Salih Shuiep Jabreel

Research Project: Quality of camels' (*Camelus dromedarius*) milk in Khartoum State, Sudan.

Degree Awarded and date: M. Sc. Animal Production, U. of K., November 2006.

18. Candidate: Mahboba Ibrahim Awad Ahmed

Research Project: The effect of the management practices on the quality of cows' milk in the dairy farms in Khartoum State.

Degree Awarded and date: M. Sc. Animal Production, U. of K., November 2006.

19. Candidate: Jafar Mohammed Elbakri Elmakki

Research Project: Evaluation of plain and fruit yoghurt in Khartoum State.

Degree Awarded and date: M. Sc. Dairy Production and Technology, U. of K., November 2006.

20. Candidate: Ahmed Eltyeb Ahmed Saaed

Research Project: Prevalence and antimicrobial susceptibility of bacteria from raw milk contaminated by antibiotics and chemical preservatives in Khartoum State, Sudan.

Degree Awarded and date: M. Sc. Animal Production, U. of K., November 2006.

- 21. Candidate: Samia Mustafa Ahmed Abd Elrahman**
Research Project: Impact of raw milk and plant quality control measurements on the shelf life of pasteurized milk.
Degree Awarded and date: M. Sc. Dairy Production and Technology, U. of K., February 2007.
- 22. Candidate: Ahmed Elias Omer Ahmed ***
Research Project: Study on *Escherichia coli* mastitis in a dairy in Khartoum State.
Degree Awarded and date: M. V. Sc., Faculty of Veterinary Medicine, U. of K., 2006.
- 23. Candidate: Ashraf Hassan Atitalla**
Research Project: Properties and characteristic of set yoghurt produced by Premier Food Product Company.
Degree Awarded and date: M. Sc. Animal Production, U. of K., February 2007.
- 24. Candidate: Walaa Omar Mohamed Ateib**
Research Project: Preliminary investigation of aflatoxin in dietary ration of dairy cows at Khartoum North, Sudan.
Degree Awarded and date: M. Sc. Dairy Production and Technology, U. of K., 2008.
- 25. Candidate: Mustafa Khalid Hassan Abdel- Gader**
Research Project: Quality evaluation of commercial mish in Khartoum State, Sudan.
Degree Awarded and date: M. Sc. Dairy Production and Technology, U. of K., 2008.
- 26. Candidate: Nada Ahmed Abd Elaaty Ahmed**
Research Project: Effect of salt on properties of camel cheese coagulated with camifloc enzymes.
Degree Awarded and date: M. Sc. Tropical Animal Production, U. of K., 2009.
- 27. Candidate: Fawaz Salah Eldin Elsayed Hussein**
Research Project: Quality evaluation of imported and locally made processed cheese.

Co supervisor*

Degree Awarded and date: M. Sc. Dairy Production and Technology, U. of K., 2009.

28. Candidate: Ibrahim Elkhider Ahmed Elkhider

Research Project: A Comparative study of Sudanese white cheese produced in small scale in new Halfa area, Sudan.

Degree Awarded and date: M. Sc. Animal Production, University of Kassla, November 2009.

29. Candidate: Ekran Elsadig Babiker Mohammed

Research Project: Chemical composition and microbial load of yoghurt from fresh and recombined milk in Khartoum State, Sudan.

Present Status: M. Sc. Dairy Production and Technology, U. of K., January 2010.

30. Candidate: Maria Osman Ibrahim Hamed

Research Project: Estimation of Microbial load and chemical composition of pasteurized milk from markets in Khartoum North

Present Status: M. Sc. Dairy Production and Technology, U. of K., January 2010.

31. Candidate: Awatif Hassan Yagoub Suliman*

Research Project: Effect of level of milk fat on the quality of Sudanese white cheese, M. Sc. Food Science, University of Bakht er-Ruda, April 2011.

32. Candidate: Nadia Mohamed Awadallah

Research Project: Production Performance of the Damascus Goats as Affected by Stage of Lactation at First Kidding Under Sudan Milk yield and composition of Damascus goat kept under Sudan conditions.

Present Status: M. Sc. Dairy Production, U. of K., December 2011.

33. Candidate: Ismail Mohamed Abdella Mohamed

Research Project: Effect of heat treatment on keeping quality of camel milk.

Present Status: M. Sc. Dairy Production and Technology, U. of K., December 2012.

34. Candidate: Mawahib Salih Ahmed Saad

Co supervisor*

Research Project: Effect of Lactoperoxidase Enzyme System and Storage Temperatures on the Keeping Quality of Sheep Milk
Present Status: M. Sc. Dairy Production and Technology, U. of K., December 2012.

35. Candidate: Huda Hamid Abakar Bashir

Research Project: Impact on some socio-economic aspects on production of Baggara cattle under extensive and semi-extensive systems in South Kordofan State.

Present Status: M. Sc. Dairy Production and Technology, U. of K., 13 February 2012.

36. Candidate: Eilaf Suliman Khalil Suliman

Research Project: Chemical composition and microbial loads of Gariss produced by nomadic camel herders in AlGaderif State

Present Status: M. Sc. Dairy Production and Technology, U. of K., July 2012.

37. Candidate: Muhanad Mahmoud Abdalla El Hag

Research Project: Prevalence of *Listeria spp.* in dairy farms in Khartoum State

Present Status: M. Sc. Public and Environmental Health, (Food Hygiene and Safety), U. of K., October 2012.

38. Candidate: Adam Eisa Ibrahim Mohammed

Research Project: Current situation of some biosecurity measurements in dairy farms in Khartoum State - Sudan.

Present Status: M. Sc. Tropical Animal Health, U. of K., 17 December 2012.

39. Candidate: Manahil Elsidig Mohamed

Research Project: The effect of pasteurization of camel milk on vitamins and proteins content

Present Status: M. Sc. Dairy Production and Technology, U. of K., 29 January 2013.

40. Candidate: Mohammed Ahmed Ibrahim Ali

Research Project: Detection of Aflatoxins in Raw and Powder Milk in Khartoum State

Present Status: M. Sc. Tropical Animal Health, U. of K., 29 January 2013.

41. Candidate: Wafa Ibrahim Abdalla Babiker

Research Project: Impact of husbandry, stage of lactation and parity number on milk yield and milk composition of dromedary camel milk
Present Status:
Present Status: M. Sc. Dairy Production and Technology, U. of K., 17 June 2013.

42. Candidate: Abdlwahab Mohammed Abdlrahman
Research Project: Comparative study on cheese from camel, sheep and their mixture
Present Status: M. Sc. Animal Production (Dairy Technology), U. of K., 17 June 2013.

43. Candidate: Shimaa Ahmed Ibrahim
Research Project: Processing and keeping quality of yoghurt made from camel milk and camel-sheep mixture milk
Present Status: M. Sc. Dairy Production and Technology, U. of K., 2 September 2013.

44. Candidate: Amna Salah Mohamed Ahmed
Research Project: Processing and keeping quality of yoghurt made from camel milk and camel-sheep mixture milk
Present Status: M. Sc. Dairy Production and Technology, U. of K., 23 December 2013.

45. Candidate: Fathalrhman Eias Addoma Adam
Research Project: Drugs Residues in Milk as a Public Health Hazards in the Milk Consumed in Nyala, Sudan
Present Status: M. Sc. Tropical Animal Health, U. of K., 5 May 2014.

45. Candidate: Abdullatief Elnour Mohammed Mansour
Research Project: Major Causes and Risk Factors Associated with Calf Mortality in Dairy Farms in Khartoum State, Sudan
Present Status: M. Sc. Tropical Animal Health, U. of K., 2014.

47. Candidate: Rasha Taha Ali Mohammed
Research Project: Effect of *S. aureus* Mastitis on Milk Quality
Present Status: M. Sc. Tropical Animal Health, U. of K., 2014.

48. Candidate: Salma Faroug Hussain Elzaki
Research Project: Isolation and Characterization of Lactic acid Bacteria Isolated from Traditional Fermented Camel milk (Gariss)
Present Status: 2014.

49. **Candidate:** Miziana Mamoun Eltigani Mohamed

Research Project: Effect of management System and Parity Orders on Chemical Composition and Vitamins level (A and E) of Camel Milk

Present Status: M. Sc. Dairy Production and Technology, U. of K.,, 29 December 2014.

50. **Candidate:** Sara Abdelmagieed Alahadi Yagoub

Research Project: Effect of Production systems, Stage of Lactation and Parity Number on Camel Milk Composition and Mineral Content

Present Status: M. Sc. Dairy Production and Technology, U. of K.,, 29 December 2014.

51. **Candidate:** Tajelser Mohammed nour Elhusain Mohammed

Research Project: Chemical Composition and Sensory Evaluation of Ice Cream Flavored by African Fan Palm and Muskmelon Juices

Present Status: Submitted the thesis.

52. **Candidate:** Osama Ahmed Elfaki Mohamed

Research Project: Comarative Study of Microbiological and Chemical Aspct of Traditional and Modern Cheese Processing in Sudan.

Present Status: Submitted the thesis

53. **Candidate:** Nashwa Ali Mohammed Farah

Research Project: Comparison of Mudaffara of Cheese usning *Negilla sativa* and Sesame

Present Status: Submitted the thesis

Ph. D. Students:

54. **Candidate:** El Tahir Salih Shuiep Jabreel *

Research Project: Assessment of genetic diversity of Sudanese indigenous camel breeds on milk protein and DNA level.

Present Status: Ph. D. Animal Production, U. of K., Feburary 2012

Current students:

M. Sc. Students:

55. **Candidate:** Elhiber Ahmed Mahgoub Elkhalefa

Research Project: Quality of vanilla, strawberry and plain sweetened UHT milks.

Present Status: Writing up the thesis.

Co supervisor*

56. Candidate: Sami Salah Eldien Idris Ali
Research Project: The chemical and microbiological quality of different fruit flavoured yoghurt in Khartoum State, Sudan.
Present Status: Writing up the thesis.

57. Candidate: Philip Laro John Bambu
Research Project: Compositional and Microbiological Quality of Commercial Camel Milk in Khartoum State Markets
Present Status: Writing up the thesis

58. Candidate: Randa Hassan Ali Mohamed
Research Project: Socioeconomic Aspects, Pastur Evaluation and Milk Quality of Camels Kept in Shandi Area
Present Status: Writing up the thesis

59. Candidate: Mahmoud Abdelhaaed Abdelrazig Abd Elaziz
Research Project: Comparison of Milk Quality from different Scall of Dairy Farming I Khartoum State, Sudan
Present Status: Writing up the thesis.

60. Candidate: Amin Mohamed Khalid Yousif
Research Project: Application of Geographical Information System in Dairy Farms regarding biosecurity measures in Khartoum State
Present Status: Writing up the thesis

61. Candidate: Abeer Awad Alamin Fadlalla
Research Project: Comparison of Aflatoxins Contamination in Milk and Dairy Ration in Khartoum State, Sudan
Present Status: Writing up the thesis.

Ph. D. Students:

62. Candidate: Leyma Mohamed Warsama
Research Project: Field and laboratory assessment of hygienic quality of milk with special reference to antibiotic residue in Khartoum State
Present Status: Submitted the thesis

63. Candidate: Hiba Mohamed Ismail
Research Project: Influence of species and stage of lactation on antimicrobial activity of lactoperoxidase enzymes in milk of dairy animals.
Present Status: Writing up the thesis.

62. Candidate: Amani Mohamed Kheir Ahmed

Research Project: Phenotypic and genotypic characteristics of *Staphylococci* associated with Sudanese white cheese

Present Status: Writing up the thesis..

63. Candidate: Ibrahim Mahmoud Mohammed Adam Dowelmadina

Research Project: Influence of Management Systems, Parity Order and Stage of Lactation on Fatty Acids and Lipid Composition of Camel's (*Camelus dromedarius*) Milk in Sudan

Present Status: Writing up the thesis. Writing up the thesis.

64. Candidate: Huwayda Amin Hassan Mahmood *

Research Project: Effect of *Staphylococcus aureus* and *Streptococcus agalatae* mastitis on milk yield and composition of different breeds and management system.

Present Status: Conducting the practical work.

Membership of societies:

1. Member of Sudanese Veterinary Association.
2. Member and Director of Bawadina Society for Rural Women Development.
3. Member of Sudanese Veterinary Women Association.
4. Member of the Organization for Women in Science for the Developing World (OWSDW), formerly Third World Organization for Women in Science (TWOWS).
5. Member of the International Society of camel Research and Development (ISOCARD).
6. Member of Sudanese Camel Association (SUCA).
7. Member of DAAD Alumni Association, Sudan (DAADS).

Publications:

Journal Publication:

1. **Mohamed, Ibtisam, E.;** El Owni, O.A.O. and Mohamed, G.E. (1995). Production losses and economic importance of mastitis of Friesian cattle in Sudan. [Sud. J. Vet. Sci and Anim. Husb., 33 \(1&2\): 59- 63.](#)
2. **Mohamed, Ibtisam, E.;** El Owni, O.A.O. and Mohamed, G.E. (1997). Effect of bacteria causing mastitis on milk constituents. [Sud. J. Vet. Sci and Anim. Husb., 36 \(1&2\): 125-136.](#)

Co supervisor*

3. **Mohamed, Ibtisam, E.;** Mohamed, G.E. and El Owni, O.A.O. (1998). Factors affecting composition of mastitic milk of Friesian cattle in Sudan. [Indian J. of Animal Science, 68 \(4\): 379-382.](#)
4. **Mohamed, Ibtisam, E.;** Mohamed, G.E. and El Owni, O.A.O. (1998). Effects of season and infection on composition of mastitic milk of Friesian cattle in Sudan. [Indian J. of Animal Science, 68 \(4\): 382-385.](#)
5. **Mohamed, Ibtisam, E.;** El Owni, O.A.O. and Mohamed, G.E. (1999). Effect of mastitis on milk quality of Friesian cows in a Khartoum State. [Indian J. of Animal Science, 69\(9\): 733-735.](#)
6. **Mohamed, Ibtisam, E.;** El Owni, O.A.O. and Mohamed, G.E. (1999). The effect of mastitis on milk yield of Friesian cattle in the Sudan. [Sud. J. Vet. Sci. Anim. Husb., Vol. 38 \(1,2\): 131-136.](#)
7. **Mohamed, I, E.;** El Owni, O.A.O. Habbani, F.I. and Mohamed, G.E. (1999). Macro minerals in the milk of healthy and mastitic cows. [Tanz. J. Sci., 25: 39-44.](#)
8. El Owni, O.A.O. and **Mohamed, Ibtisam, E.** (2001). Differences in the prevalence of mastitis among the Friesian cows in Dairy Land Farm. [Sud. J. Vet. Sci. Anim. Husb., 40 \(1,2\): 102-112.](#)
9. **ELamin, Awatif, A. M. and El Zubeir, Ibtisam, E. M.** (2002). The effect of some environmental factors on the disposal rate of Friesian dairy herds in Khartoum State, Sudan. [Sud. J. Vet. Sci. Anim. Husb., 41 \(1&2\): 37-46.](#)
10. **El Fakey, Wala, M. and El Zubeir, Ibtisam, E. M.** (2004). The Interaction between prolonged lactation lengths and some productive and reproductive traits in Butana dairy farm. [University of Khartoum J. of Agricultural Sciences, 12 \(3\): 430-443.](#)
11. **Awadalla, Nazik, E.;** Yagoub, Sanna O. and **El Zubeir, Ibtisam, E. M.** (2004). Isolation and identification of bacteria associated with raw milk produced and distributed at Hillat Kuku. [Sud. J. Vet. Sci. Anim. Husb., 43 \(1&2\): 38-45.](#)
12. **El Zubeir, Ibtisam, E. M.;** El Owni, O.A. and Mohammed, G.E. (2004). Micro minerals and enzymes in blood serum and milk of healthy and mastitic cows. [Sud. J. Vet. Sci. Anim. Husb., 43 \(1&2\): 153-161.](#)

13. **El Zubeir, Ibtisam, E. M., Abdalla, Wigdan, M. and El Owni, O. A. O.** (2005). Chemical composition of fermented milk (roub and mish) in Sudan. [Journal of Food Control, 16 \(7\): 633-637.](#)
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125. **El Zubeir, I.E.M.** and Hashim, F. (2013). Effect of heating on chemical characteristics and acceptability of Sudanese white cheese

- made from goat's milk. Tropentag Conference "Agricultural development within the rural-urban continuum. September 17-19, 2013, Stuttgart-Hohenheim, Germany
126. Shuiep, E. S.; **El Zubeir, I. E. M.** Yousif, I. A. and Erhardt, G.; (2014). Isolation and characterization of three casein fractions from camel milk (Sudan). The 5th Annual Conference of Postgraduate Studies & Scientific Research: Agricultural and Veterinary Research for Sustainable Development, 24-27 February 2014. Friendship Hall, Khartoum and Shambat Campus, Sudan, P: 60.
 127. **El Zubeir, I.E.M.** (2014). Implementation of some intermediate technology for nomadic community sustainable development. The Second Conference of Arab Women in Science and Technology, Empowerment for the Development of the Arab World. Arab Science and Technology Foundation and Ministry of Science and Communications, 5-7 May 2014, Ministry of Science and Communications Tower, Khartoum- Sudan.
 128. Dowelmadina, I. M. I.; Weimann, C.; **El Zubier, I. E. M.** and Erhardt, G. (2014). Genetic characterization of 5 Sudanese camel ecotypes (*Camelus dromedarius*) by microsatellites. DGFZ/GFT conference at Rostock university from 17-18 September, FBN Dummerstorf, Germany.
 129. Dowelmadina, I. M. M. and **El Zubeir, I. E. M.** (2014). Impact of management systems and breeds on milk yield and herd structure of dromedary camel. Tropentag Conference "Bridging the gap between increasing knowledge and decreasing resources". September 17-19, 2014, Prague, Czech Republic.
 130. **El Zubeir, I.E.M.** (2014). Contribution of camel milk and products as a source of food in arid and semi arid region. International Conference on African Agriculture, Rural Development and Sino-Africa Cooperation (CAARDSAC 2014), 20-28 September 2014, Institute of African Studies, Nanjing University, Nanjing, China.

Books:

131. **El Zubeir, Ibtisam E. M.** (2012). Extending the shelf life of camel milk. In: Camels in Asia and North Africa. Interdisciplinary perspectives on their past and present significance. Eva-Maria Knoll - Pamela Burger (Eds.). Published by Austrian Academy of Sciences. Pp 219 - 224

Accepted Papers:

Participation in Workshops:

1. International Workshop on Camel Research and Development-Formulating a Research Agenda for the Next Decade. 9th- 12th December, 2002. Wad Medani, Sudan.
2. ورشة عمل تطوير وتحديث المناهج بكليات الانتاج الحيواني: الوضع الراهن للمناهج بكليات الانتاج الحيواني. ورشة عمل تطوير وتحديث المناهج بكليات الانتاج - لجنة الدراسات الزراعية والبيطرية والموارد الطبيعية والبيئة - المجلس القومي للتعليم العالي والبحث العلمي - وزارة التعليم العالي والبحث العلمي. الحيواني، 1-2 ديسمبر 2004.
3. First African Union Conference of African Women in Science and Technology, 29-31 August 2007, Johannesburg, South Africa.
4. سمنار جودة وسلامة الألبان ومنتجاتها - كلية التقانة الزراعية وعلوم الأسماك - جامعة النيلين - 24 ملرس 2009.
5. IP Strategies and IP Validation for New Technologies and Startup Companies. Investment in Science and Technology Forum: Supporting Arab Technology Entrepreneurs and Startups” The Arab Science and Technology Foundation (ASTF), 12-14 May 2009, Fairmont Towers Hotel, Cairo, Egypt.
6. Participated in a Training Workshop conducted by Orange House Partnership, organized by Faculty of Public and Environmental Health, University of Khartoum, 22-25 November 2010.
7. Presented a paper entitled: Properties and processing of camel milk: research findings (In Arabic) for the National Seminar on: Prospective Development of production and marketing of camel milk in Sudan. Organized by Ministry of Livestock, Fisheries and Rangelands and Arab Centre for the Studies of arid Zones and Dry Lands (ACSAD). 9/1/2012. Main Hall, Ministry of Livestock, Fisheries and Rangelands, Khartoum, Sudan.
8. Participated in a workshop entitled: National Workshop on Lessons Learned and way Forwards. Sudan Productive Capacity Recovery Program (SPCRP-CB). Community Animal Resources Development Addociate (CARDA) Program. Ministry of Animal

Resources and FAO. Corinthia Hotel, Khartoum 13- 15 November 2012.

9. Participated in International Workshop on Feed Risk Assessment – Chemical safety, organized by Food and Agriculture Organization of the United Nations (FAO) and Ministry of Economic, Governmental of the Netherlands, 30/9–1/10 2013 at Mitland Hotel, Utrecht, the Netherlands.
10. Participated in a workshop entitled: Environmental Considerations in Agricultural Scientific Research, 28 November 2013. Agricultural Research Corporation Hall, Wad Madeni, Sudan.

International training courses:

1. Agriculture in transition: Innovative approaches to sustainable farming. Wageningen UR Centre for Development Innovation, the Netherlands. 13- 24 May 2013.
2. The First International Course on Food Safety and Additives. International Agricultural Research and Training Center, Menemen, Izmir, Turkey, 13-17 October 2014.

Reviewer of Scientific Articles for Periodical Journals:

1. The Sudanese Journal of Standards and Metrology Organization.
2. Research Journal of Animal and Veterinary Sciences.
3. Research Journal of Agriculture and Biological Sciences.
4. International Journal of Dairy Technology.
5. International Journal of Dairy Science.
6. Journal of Dairy Science.
7. Pakistan Journal of Biological Sciences.
8. Research Journal of Microbiology.
9. African Journal of Food Science.
10. African Journal of Microbiology.
11. The Philippine Agricultural Journal.
12. Jordan Journal of Biological Sciences.
13. University of Khartoum J. of Agricultural Sciences.
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