

Curriculum Vitae



F. S. Almathen

Personal Information
Full Name:
Faisal Saleh Almathen
Nationality:
Saudi
Date of Birth:
October, 21 st 1979
Place of Birth:
Al-Ahassa, Saudi Arabia
Marital status:
Married
Work Address:
Department of Veterinary Public Health and Animal Husbandry, College of Veterinary Medicine, King Faisal University. P.O Box: 400, Al-Ahasa 31982, Saudi Arabia.
Current Position:
Assistant Professor of Animal Genetics and Breeding Head of Veterinary Public Health and Animal Husbandry Department
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Languages
Arabic: Mother Tongue
English: Fluent in speaking, reading and writing

Qualifications				
Degree	Field	Place	Country	Date
PhD	Genetics	School of Life Sciences, Nottingham University	UK	2014
Master of Science (MSc)	Molecular Genetics	Department of Genetics, Leicester University	UK	2006
Bachelor Degree of Veterinary Science (BVSc)	Veterinary Medicine	College of Veterinary Medicine and Animal resources, King Faisal University	Saudi Arabia	2002

PhD title	Genetic diversity and demographic history of dromedary camel (<i>Camelus Dromedarius</i>).
Major field	Animal Genetics
Minor field	Animal Genetics and breeding

Employment History		
Title	Place	Date
Director of Camel Research Center	King Faisal University, Saudi Arabia	2017
Deputy Director of Agricultural and Veterinary Research and Training Center for Technical Affairs	King Faisal University, Saudi Arabia	2017
Consultant	Ministry of Environment, Water and Agriculture, Saudi Arabia	2016- until now
Head of Veterinary Public Health and Animal Husbandry Department	College of Veterinary Medicine, King Faisal University, Saudi Arabia	2015 - until now
Assistant Professor of Animal Genetics and Breeding	College of Veterinary Medicine, King Faisal University, Saudi Arabia	2014 - until now
Postgraduate (PhD)	School of Life Science, Nottingham University, UK	2010 - 2014
Lecturer	College of Veterinary Medicine, King Faisal University, Saudi Arabia	2007 - 2010
Postgraduate (MSc)	Department of Genetics, Leicester University, UK	2005 - 2006
Demonstrator	College of Veterinary Medicine, King Faisal University, Saudi Arabia	2003 - 2004
Veterinarian	NADEC Dairy Farms, Saudi Arabia	2002 - 2003

Current Research interest:
My current research interest is focusing on the identification and mapping of the genetic polymorphisms controlling phenotypic traits in livestock. I am interested in understanding how major past demographic events; culture and social practices shaped the genetic diversity, morphological variations and structure of Arabian camel populations using genetic data. Currently, I am interested in developing genetic markers for phenotypic traits through comparative genomic approaches across camel populations (e.g. milk or meat production, beauty phenotypes and disease resistances)

Membership
<ul style="list-style-type: none"> • Chairman of International Camel Consortium for Genetic Improvement and Conservation, since 2015. • Chairman of Saudi Veterinary Medicine Society 2017 • Member of the executive council Veterinary Medicine Society, since 2015 • Member of the executive council of International Society of Camelid Research and Development (ISOCARD), since 2012.

Professional experience:
Dairy farm management (NADEC), Kingdom of Saudi Arabia, 2002-2003.
Training in a broad-range of molecular genetics techniques (Cloning and sub-cloning, transformation, Southern blot, Western blot, PCR, Real-time PCR, Microarray and Bioinformatics). Department of Genetics, Leicester University, UK. 2005
Academic skills including: scientific writing, presentation skills, use of computers and the internet as a genetics resource.
Teaching and research assistant, Department of Veterinary Public Health and Animal Resources, King Faisal University, Saudi Arabia, 2003-2004 and 2007-2010.

Participation in the programs, lectures and courses		
Activity	Place	Date
Lecture about “Genetic diversity of dromedary camel in Saudi Arabia”	Veterinary Medicine Society, Alahsa, Saudi Arabia	2015
Participation in TV program “ I love camel”	Alarabiya TV channel	2010
Participation in training course about molecular diagnostics for infectious diseases	College of Veterinary Medicine, King Faisal University, Saudi Arabia	2009

Scientific Courses		
Course	Place	Date
Access to genes and genomes with ENSEMBL	Nottingham University, UK	2010
Training on ABI 3730 capillary sequencer for Microsatellite markers analysis	Sheffield University, UK	2011
Post-genomics and bioinformatics	Nottingham University, UK	2011
Population Genetic Data Analysis	Liege university, Belgium	2011
Using Bio-Linux	Nottingham University, UK	2012

Scientific conferences and meetings		
Conference/Meeting	Date and Place	Contribution
1. The 43 rd Population Genetics Group meeting.	From 5 th – 8 th January 2010, Liverpool, UK	Attendance
2. 32 nd Conference for the International Society for Animal Genetics	From 26 th – 30 th July 2010, Edinburgh, UK.	Poster presentation
3. Camels in Asia and North Africa Interdisciplinary workshop on their significance in past and present	From 5 th and 6 th October 2010, Vienna, Austria.	Oral presentation
4. The Camel Conference at the School of Oriental and African Studies	From 23 rd – 25 th May 2011, London, UK.	Poster presentation
5. The 5 th Saudi International Conference	From 23 rd – 26 th June at the University of Warwick, UK.	Poster presentation
6. National workshop on camel biodiversity.	From 4 th and 5 th December 2011, Riyadh, Saudi Arabia.	Oral presentation
7. The 45 th Population Genetics Group meeting	From 4 th -7 th January 2011, University of Nottingham, UK.	Oral presentation
8. The 3 rd Conference of International Society of Camelid Research and Development (ISOCARD)	From 29 th January-1 st February 2012, Muscat, Sultanate of Oman.	Poster and oral presentation
9. The third Chinese camel conference	From 24 th -28 th September 2014, Inner Mongolia, China	Oral presentation
10. Camel Genetic improvement workshop	From 4 th and 5 th February 2015, Riyadh, Saudi Arabia.	Organizer and Oral presentation
11. Camel and society workshop	2015, Riyadh, Saudi Arabia.	Oral presentation
12. The 4 th Conference of International Society of Camelid Research and Development (ISOCARD)	From 8 th -12 th June 2015, Almaty, Kazakhstan	Poster presentation
13. The PAG XXIV – Plant and Animal Genome Conference	January 2016, San Diego, USA.	Oral presentation
14. Australian Camel Export Development in the Gulf States workshop	January 30, 2017 Dubai, UAE	Oral presentation
15. The international Chinese camel conference	From 22 nd -26 th September 2017, Inner Mongolia, China	Scientific committee

Publication

Faye B., Abdallah H., **Almathen F.**, Harzallah B., Almutairi S., 2011. Camel biodiversity. Camel phenotypes in the Kingdom of Saudi Arabia. Camel Breeding, Protection and Improvement Center, project UTF/SAU/021/SAU, FAO publ., Riyadh (Saudi Arabia), 78 p.

Almathen F., Mwacharo J., Hanotte O., 2012. Genetic diversity and relationships of indigenous Saudi Arabia camel *Camelus dromedarius* populations. Proceedings of the 3rd Conference of the International Society of Camelid Research and Development. Musqut Oman.

Hemida, M.G., Elmoslemany, A., Al-Hizab, F., Alnaeem, A., **Almathen, F.**, Faye, B., Chu, D.K.W., Perera, R.A.P.M. and Peiris, M., 2015. Dromedary Camels and the Transmission of Middle East Respiratory Syndrome Coronavirus (MERS-CoV). Transboundary and emerging diseases.

Almathen F., Charruau P, Mohandesan E, Mwacharo JM, Orozco-terWengel P, Pitt D, Abdussamad AM, Uerpmann M, Uerpmann HP, De Cupere B, Magee P, Alnaqeeb MA, Salim B, Raziq A, Dessie T, Abdelhadi OM, Banabazi MH, Al-Ekna M, Walzer C, Faye B, Hofreiter M, Peters J, Hanotte O, Burger PA (2016). Ancient and modern DNA reveal dynamics of domestication and cross continental dispersal of the dromedary. Proceedings of the National Academy of Sciences.

Shawaf, T., **Almathen, F.**, Al-Ahmad, J., & Elmoslemany, A. (2016). Morphological Characteristics of Hassawi Donkey, Eastern Province, Saudi Arabia. Alexandria Journal for Veterinary Sciences, 49(2).

Holl, H., Isaza, R., Mohamoud, Y., Ahmed, A., **Almathen, F.**, Youcef, C., & Brooks, S. (2017). A Frameshift Mutation in KIT is Associated with White Spotting in the Arabian Camel. Genes, 8(3), 102.

Bahbahani, H.M., Tijjani, A., MUKASA, C., Wragg, D., **Almathen, F.**, Nash, O., Akpa, G., Mbole-Kariuki, M., Malla, S., Woolhouse, M.E. and Sonstegard, T.S., 2017. Signature of selection for environmental adaptation and zebu x taurine hybrid fitness in East African Shorthorn Zebu. Frontiers in Genetics, 8, p.68.

Bahbahani, H., Salim, B., **Almathen, F.**, Al Enezi, F., Mwacharo, J. M., & Hanotte, O. (2018). Signatures of positive selection in African Butana and Kenana dairy zebu cattle. PloS one, 13(1), e0190446.

Almathen, F., Elbir, H., Bahbahani, H., Mwacharo, J., & Hanotte, O. (2018). Polymorphisms in MC1R and ASIP genes are associated with coat colour variation in the Arabian camel. Journal of Heredity, 1, 7.