

CURRICULUM VITAE

*Name : Abdelmalik Ibrahim **Khalafalla**, M.V.Sc., Ph.D, AvH

*Nationality: Sudanese

* Marital status: Married with Four children

*Qualifications: B.V.M& S (Baghdad; 1984) ; M V Sc. (Khartoum, 1987); PhD (Khartoum, 1997); AvH Fellowship (Germany; 2001).

* Present title: Professor of Veterinary Virology

* Present Job: Professor, Microbiology Specialist, Veterinary laboratories Division, Animal Wealth Sector, Abu Dhabi Agriculture and Food Safety Authority (ADAFSA), Abu Dhabi, UAE

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Pubmed: www.ncbi.nlm.nih.gov/pubmed/?term=Khalafalla+AI

EMPLOYMENT RECORD:

Designation	Nature of work	Organization	College/Department	Period From to	Duration
Microbiology Specialist	consultant	Abu Dhabi Agriculture	Microbiology & Molecular Biology	21.07.2016 to continue	

		and Food Safety Authority (ADAFSA)					
Principal Research Scientist Expert	Research	King Faisal University	Camel Research Centre	15.06.2012 to 20.07.2016	4 year & 1 months		
	Research and Developme nt	Arab Centre for Studies on Arid Zones and Dry Lands (ACSAD)	Animal Resources	06.01.2010 - 14.06.2012	3 Years 6 months		
Director	Managemen t/ Research/ Teaching	University of Khartoum	Camel Research Centre	11.03.2007 - 05.01.2010	2 year 2 months		
Head Department/ University Professor	Managemen t/Teaching/ Research	University of Khartoum	Dept. of Microbiology, Faculty of Veterinary Medicine	04.04.2004 - 10.03.2007	3 years 11 months		
Associate Professor	Teaching and Research	University of Khartoum	Dept. of Microbiology, Faculty of Veterinary Medicine	02.04.2005 - 03.04.2007	2 years		
Assistant Professor	Teaching and Research	University of Khartoum	Dept. of Microbiology, Faculty of Veterinary Medicine	01.04.2005 - 03.04.2001	4 years		
Post- Doctoral fellow	Research	Federal Research Center for Virus Diseases of Animals, Tuebingen, Germany	Department of Immunology	04.04.2001 - 21.12.2003	1 year 8 months		
Assistant Professor	Teaching and Research	University of Khartoum	Dept. of Microbiology, of Veterinary Medicine	26.05.1995 - 03.04.2001	5 years 11 months		

Research Assistant/Researcher	Research	Veterinary Research Institute, Sudan	Dept. of Virology	of	06.05.1989 - 25.05.1995	6 year
MSc student	Research	University of Khartoum	Dept. of Microbiology, Faculty of Veterinary Medicine	of	06.07.1985 - 23.08.1987	2 year

Institution Building Activities

	Activities	Level of Involvement
1	While working at Camel Research Centre, King Faisal University (2012-2016) established a research unit for molecular diagnosis of camel diseases; supervised purchase, installation and operation of various lab equipment.	Major role
2	While working at the Arab Centre for Studies on Arid Zones and Dry Lands (ACSAD, 2010-2012), established a training and camel research farm including pens design, purchase of animals, ration formulation and health program that involve disease control measures.	Leading role
3	While working at the Camel Research Centre, University of Khartoum (2005-2009) established a training and research farm of camels	Leading role
4	While working at Dept. of Microbiology, Faculty of Veterinary Medicine, University of Khartoum (2002-2006) established a molecular diagnostic laboratory with a donation from Alexander von Humboldt Foundation, Germany	Major role

Trainings attended in the relevant field of specialization

Title	Duration	Institution	Techniques learned
Biosafety and Biosecurity in Veterinary labs and animals house facilities	Oct 3, to Oct 18, 2019	IZSLER, Brescia, Italy	Quality Management, Biosecurity Measures, Animal House BSL3 Design and Operation, BioRisk Analysis and management
Molecular Characterization of Camel Contagious Ecthyma Virus	June 5, 2001 to December 14, 2002	Federal Research Center for Virus Diseases of Animals, Tuebingen, Germany	Viral Nucleic acid extraction, gel-based and real time Polymerase chain reaction [PCR], Restriction enzyme analysis, Southern hybridization, western hybridization, sequencing and phylogenetic analysis

***Professional experience:**

Job title	Place/ duration	Activities
Professor, Microbiology Specialist	Abu Dhabi Agriculture and Food Safety Authority, 2016 to now	Perform the duties of the technical consultant, technical supervisor, clinical and epidemiology consultant, and general supervisor. Responsible for the overall technical and operation of the laboratory, including the equipment, safety, laboratory policies, quality assurance, proficiency testing and international accreditation. Leading a research team that investigate pathogens of animals and develop diagnostic techniques.
Principal Research Scientist/ Associate Professor	King Faisal University, Camel Research Centre/ 2012 to 2016	Research: conduct research on diseases of camels and participate in the diagnosis of camel diseases of cases brought to the King Faisal Veterinary Hospital. Consultation: provide consultation to the veterinary authorities at Al-Ahsa province on camel diseases
Expert on camel development	Arab Centre for Studies on Arid Zones and Dry	Responsible for executing and follow up of camel developmental projects in Arab countries including a technical and feasibility study for the

and diseases	Lands (ACSAD), January 2010 to June 2012	establishment of a Camel ranch in republic of Algeria and a project entitled Assessment and improving camel milk production and marketing in Sudan, Algeria and Morocco, funded by the International Fund for Agricultural Development (IFAD). Besides, I also conducted research on camel production systems and diseases in Syria and fattening camel calves with agricultural byproducts. I was also responsible for the Animal Health and Trans-boundary diseases project at ACSAD. Duties involve set up and monitoring Health Programs to control diseases and making routine health status examinations of sheep, goats and camels in two research stations in Syria.
Director	Camel Research Centre, University of Khartoum/2007-2010	Oversee the management of staff in the center, develop research strategies to deliver high quality research, manage financial, staffing and other resources, contribute to setting objectives and priorities for research, develop interdisciplinary activities with other departments and institutions
Department Head	Department of Microbiology, Faculty of Veterinary Medicine, 2005-2007	Provide academic leadership in Veterinary Microbiology, promote the interests and reputation of the department, develop departmental research strategies, manage applications for research funding, assure academic quality and standards, develop interdisciplinary activities with other departments and institutions and allocate teaching and administrative duties appropriately
University staff	Department of	Teaching: Teaching Advance General Virology

member	Microbiology, Faculty of Veterinary Medicine, November 1995- 2010	and Advance Special Virology courses to Master students, Department of Microbiology, Faculty of Veterinary Medicine, University of Khartoum, 2003-2009. Teaching Molecular Biology course to Master students, Department of Microbiology, Faculty of Veterinary Medicine, University of Khartoum, 2003-2009. Diagnosis: Fully engaged in the diagnosis of animal diseases in animals and management of cases brought into the Faculty Hospital as well as routinely participated in carrying out hospital rotations. As shown in the list of publications below many diseases affecting camels, sheep, goats, cattle and poultry were investigated and documented, that resulted in a broad-based clinical experience. Fully engaged in the diagnosis of animal diseases and management of cases brought into the lab. A number of viral diseases affecting camels, sheep, goats, cattle and poultry were investigated and documented, that resulted in a broad-based clinical experience Research: conduct research and supervise post-graduate research
Research Scientist	Veterinary Research Institute (CVRL), 1989-1995	Duties involved writing and submitting applications and progress reports to funding bodies, planning and conducting experiments and analyzing/interpreting the results, sharing the results of research with colleagues through presentations or discussions, attending scientific meetings and

conferences

Research Grants received (Successful history of securing international and local funds for research)

	Funding organization	Project title	Date	Total fund received	Role
1	Alexander von Humboldt Foundation / Germany	Introduction of Molecular Biology Techniques for Improving Diagnosis of Animal Viral Diseases in Sudan	Started 2002- ended 2005	20,000 Euros	Principle investigator
2	FAO/IAEA	Assessment of Effectiveness of Vaccination against Newcastle Disease in Village Poultry in Africa	Started 1999- ended 2004	20,000 USD	Research grant holder
3	International Foundation for Science (IFS)	Pox and pox-like diseases of camels.	Started 1994- ended 1997, renewed 1998- ended 2001.	24,000 USD	Research grant holder
4	Ministry of Higher Education and	Production and use of a killed vaccine against Infectious	Started 2004- ended	450, 000 Sudanese Dinars.	Principle investigator

	Scientific Research, Sudan.	bursal disease (IBD) from a recent local isolate	2005		
5	Ministry of Higher Education and Scientific Research, Sudan.	Improving Diagnosis of Animal viral Diseases in Sudan through Application of Molecular Biology Techniques.	Started 2004- ended 2005	600, 000 Sudanese Dinars	Research grant holder
6	The Arab Organization for Agricultural Development (AOAD)	Improving diagnosis of Foot and Mouth Disease in Sudan by Introduction of ELISA and PCR	Started 2003- ended 2004	2,000 USD	Research grant holder
7	University of Khartoum	Role of <i>Passeriformes</i> Birds in Transmission of Newcastle Disease, MVSC. Research project funded by University of Khartoum, 1985.	Started 1985- ended 1987	1000 Sudanese Pound	Research grant holder

Linguistic Skills

	language	Proficiency
1	Arabic	Mother tongue
2	English	Excellent command

Work experience with international organizations

Organization	Activity	Duration	Description
World Animal Health Organization (OIE)	1-Member of the ad hoc group on camelids diseases 2- Member of the ad hoc group on MERS-CoV 3- Member of the ad hoc group on PPR status of countries 4- Member of PPR GLOBAL RESEARCH AND EXPERTISE NETWORK (PPR-GREN)	2011-to continue	Group duties involve discussing bacterial, parasitic and viral disease of camelids including dromedary camels, bactrian camels and South American camelids, identify the priority diseases for each of the three categories of camelidae and availability of diagnostic tests validated for camelids and provide consultations to OIE
International Fund for Agricultural Development (IFAD)/ ACSAD	Project manager	2011-2012	Management of ACSAD/IFAD project entitled ` Assessment and Improving Camel Milk Production and Marketing in Some Arab Countries`
FAO/IAEA	Researcher	1999-2002	FAO/IAEA Project on Assessment of Effectiveness of Vaccination Against Newcastle Disease in Village Poultry in Africa
International Foundation for Science (IFS)	Researcher	Started 1994 ended 1997, renewed 1998 ended	Project on Pox and pox-like diseases of camels.

***Consultancy activities:**

- 1- Member of the Consultancy Committee on Control of Infectious Diseases of The Ministry of Animal Resources and Fisheries, Sudan, 2007-2009
- 2- Member of the High Emergency Committee on Avian Influenza of the Ministry of Animal Resources and Fisheries, Sudan 2005-2007.
- 3- Headed the Consultancy Group on Foot and Mouth Disease of The Ministry of Animal Resources and Fisheries, Sudan, 2006-2009.
- 4- Member of the *ad hoc* group on diseases of camelids, Office International of Epizootics (OIE), Paris, France (Oct 2011-now)
- 5- Member of the *ad hoc* group on MERS-CoV, Office International of Epizootics (OIE), Paris, France (Nov 18-now)

***Teaching:**

- 1- Teaching Veterinary Microbiology Course to 3rd class Veterinary undergraduate students, Faculty of Veterinary Medicine, University of Khartoum. I have taught this course from 1996 until 2009.
- 2- Teaching Advance General Virology and Advance Special Virology courses to Master students, Department of Microbiology, Faculty of Veterinary Medicine, University of Khartoum, 2003-2009.
- 3- Teaching Molecular Biology course to Master students, Department of Microbiology, Faculty of Veterinary Medicine, University of Khartoum, 2003-2009.
- 4- Teaching Human Virology course to Master students, Faculty of Basic Medical Laboratories, Omdurman Islamic University, 2006-2008.
- 5- Teaching Human Virology course to undergraduate students, Faculty of Medical Sciences, Ahlia University, Omdurman, Sudan, 2007-2009.
- 6- Teaching Microbiology and Molecular Biology courses to under and post graduate students at many universities and institutes in Sudan, 1995-2009.

***Conferences and workshops:**

- 1- Poultry Viral Vaccines in Africa. FAO workshop, Central Veterinary Research Laboratories, Soba. 1-5 September 1989.
- 2- The eighth Arab Veterinary Conference, March 24-28, 1998. Friendship Hall, Khartoum, Sudan
- 3- The Third Annual Meeting for Animal Production Under Arid Conditions. May 2-3, 1998 Intercontinental Hotel, Al Ain, United Arab Emirates.
- 4- The Fourth Scientific Conference, National Centre for Research. April 8-10, 1999. Friendship Hall, Khartoum, Sudan.
- 5- The International Workshop on: The Young Camel, Future of Camel Stock. 24-26 October 1999, Paais des Congres, Ouarzazate, Morocco.
- 6-The Second Coordination Meeting of the FAO/IAEA Co-Ordinated Research Program on Assessment of the effectiveness of vaccination strategies against Newcastle Disease and Gumboro Disease using immunoassay-based technologies for increasing farmyard poultry production in Africa. 4-8 September 2000, Morogoro, Tanzania.
- 7- The ninth Arab Veterinary Conference, 14-16 November 2000, Baghdad, Iraq.
- 8- The 10th International Conference of the Association of International Tropical Veterinary Medical Institutes, August 20-23, 2001, Copenhagen, Denmark.
- 9-FAO/IAEA International Symposium on Application of Gene-based Technologies for Improving Animal Production and Health in Developing Countries, 6-10 October 2003, Vienna, Austria.
- 10-The Final Research Co-ordination Meeting on the FAO/IAEA Co-ordination Research Program on the Assessment of the effectiveness of vaccination strategies against Newcastle Disease and Gumboro Disease using immunoassay-based technologies for increasing farmyard poultry production in Africa, 24-28 May 2004, IAEA, Vienna.
- 11-The 11th International Conference of the Association of Institutions of Tropical Veterinary Medicine, August 23-27, 2004, Sunway Lagoon Resort Hotel, PJ, Malaysia.
- 12- The International Conference on Emerging Infectious Diseases. Faculty of Medicine United Arab Emirate University, Al Ain, UAE, 26 March- April 1, 2005.
- 13-First Conference of the International Society of Camelids Research and Development (ISOCARD), Al –Ain Rotana Hotel, Al Ain, United Arab Emirates, April 15 -17, 2006.

- 14- The International Conference on Camels, Al Gassem University for Agriculture and Veterinary Medicine, Al Gassem, Saudi Arabia, May 10-12, 2006.
- 15- The 12th International Conference of the Association of Institutions of Tropical Veterinary Medicine, Montpellier, France 20-22 August 2007,
- 16-Second Conference of the International Society of Camelids Research and Development (ISOCARD), Djerba, Tunis, March 11 -14, 2009.
- 17-Third Conference of the International Society of Camelids Research and Development (ISOCARD), Muscat, Sultanate of Oman, January 28 –February 1, 2012.
- 18-The XIII International Conference on Veterinary and Biomedical Sciences organized by the World Academy of Science, Engineering and Technology (WASET), March 23-24, 2015, Prague, Czech Republic
- 19-The Fourth Conference of International Society of Camelids Research and Development (ISOCARD) “Silk Road Camel: The Camelids, Main Stakes For Sustainable Development” June 8-12, 2015 Almaty, Kazakhstan
- 20-MERS-CoV Surveillance and Research in The Emirate of Abu Dhabi, organized by Department of Health, Abu Dhabi in collaboration with Organized in collaboration with Abu Dhabi Food Control Authority (ADFCA) and Centers for Disease Control and Prevention / United States, 14 March 2018, Abu Dhabi, UAE
- 21- The 3rd CAMENET Steering Committee Meeting and the 2nd Regional Seminar for OIE Focal Points for Veterinary Laboratories, Abu Dhabi, UAE, 7-10 October 2018
- 21- The 10th International Conference on Emerging Infectious Diseases (ICEID), August 26-29, 2018, Atlanta, GA, USA.
- 22-The International Symposium on quality managements in Veterinary laboratories, 3-4 July 2019, Abu Dhabi, UAE.
- 23- The 3rd Abu Dhabi Infectious Diseases Week, 23-26 October, 2019, Rosewood hotel Abu Dhabi, co-organized by the Department of Health Abu Dhabi.
- 24- Workshop to develop roadmap for improving Shellfish food safety capabilities in the UAE organized by Centre for Environment Fisheries & Aquaculture Science (Cefas). Ministry of Climate Change and Environment, Dubai, 2-3 March 2020
- 25- The First ICO International Experts Congress (ICOIEC) ‘Cultural practices related to camel traditions to advance the SDGs’ An initiative in collaboration with UNESCO -

Online meeting, 29 June 2021.

26- The 11th Eastern Africa Regional Animal Health Network (EA-RAHN)
Annual Meeting, 16-17 November 2021 (virtual meeting).

Consultancy activities:

- 1- Was member of the High Emergency Committee on Avian Influenza of the Ministry of Animal Resources and Fisheries, Sudan 2005-2007?
- 2- Was member of the Consultancy Committee on Control of Infectious Diseases of The Ministry of Animal Resources and Fisheries, Sudan, 2007-2009
- 3- Headed the Consultancy Group on Foot and Mouth Disease of The Ministry of Animal Resources and Fisheries, Sudan, 2006-2009.
- 4- Member of the *ad hoc* group on diseases of camelids, Office International of Epizootics (OIE), Paris, France.
- 5- Member of the *ad hoc* group on MERS-CoV, Office International of Epizootics (OIE), Paris, France

Editorials:

- 1- Member of editorial board of The Open Veterinary Journal
- 2- Member of editorial board of The Arab Journal for Arid Environment published by The Arab Centre for Studies on Arid Zones and Dry Lands (ACSAD).

Reviewer:

- 1- Elsevier
- 2- The Onderstepoort Journal of Veterinary Research
- 3- Heliyon
- 4- Journal of Veterinary Medicine and Animal Health
- 5- Infection, Genetic and Evolution
- 6- The Lancet Planetary Health
- 7- TBED
- 8- InterVirology
- 9- Archives of Virology