

SE: 270

الاسم: أحمد زكي  
الرقم: 270

## CURRICULUM VITAE

### Personal Details

Name:	Ahmed Zaki Saad Ahmed ZAKI
Date of Birth:	11/12/1965
Place of Birth:	Khartoum, Sudan
Nationality:	Sudanese
Sex:	Male
Marital status	Married, 5 children
Position held:	Associate Professor
Specialization	Microbiology (Bacteriology)
Subspecialty	Mycoplasmology and bacterial veterinary vaccine production
Address 1 (till September 2007):	Dept. of Microbiology, Faculty of Veterinary Medicine, University of Khartoum. Postal code: 13314, Khartoum north (Shambat), Sudan E. mails: azaki65@hotmail.com zakisaad65@gmail.com Tel: (Home) 00249 187 542492 (Office) 00249 185 310102 (Mobile) 00249 912579393 Fax: 00249 185 312638
Address 2: (current) (October 2007 to date):	Administration of Veterinary Laboratories Ministry of Agriculture King Abd Elaziz street Riyadh, KSA PO: 50 postal code: 11195 tel. 00966 (0)11 7142000, ext. 7215 mobile 00966 (0) 555023124 fax: 00966 (0)11 4172443

### **Qualifications**

<i>Degree</i>	<i>Awarding Body</i>	<i>Country</i>	<i>Date</i>
<i>Ph.D.</i>	<i>Georg-August University of Goettingen</i>	<i>Germany</i>	<i>August 31th, 2001</i>
<i>Title of thesis</i>	<i>Investigations on Cultivation of <i>Mycoplasma capricolum</i> subsp. <i>capripneumoniae</i> in Goettingen Bioractor and Production of an Inactivated Vaccine against Contagious Caprine Pleuropneumonia.</i>		
<i>Master</i>	<i>University of Khartoum</i>	<i>Sudan</i>	<i>Sep. 1995</i>
<i>Title of thesis</i>	<i>Studies on Bacteria Associated with Sheep Pneumonia in the Sudan.</i>		
<i>Bachelor of Veterinary Sci.</i>	<i>University of Khartoum</i>	<i>Sudan</i>	<i>May, 1992</i>

### **ACADEMIC APPOINTMENTS**

<i>Date</i>	<i>Position</i>
<i>1995 - 2001</i>	<i>Teaching Assistant</i>
<i>2001-2013</i>	<i>Assistant Professor</i>
<i>2013-Date</i>	<i>Associate Professor</i>

### **PROFESSIONAL APPOINTEMENT EXPERIENCE**

<i>Date</i>	<i>Position</i>
<i>1995 - 2001</i>	<i>Teaching Assistant</i>
<i>2001-Date</i>	<i>Assistant Professor</i>
<i>2013-Date</i>	<i>Associate Professor</i>

### **FIELD OF WORK**

- *Microbiology*
- *(Bacteriology) and immunology*

## SPECIAL INTEREST

- Bacteriology
- Mycoplasmaology
- Vaccine production

## AWARDS

Award	Awarding Body	Country	Date
Faculty price in Veterinary anatomy	F. Vet. Med.	Sudan	1989
Faculty price (The 2 <sup>nd</sup> of my class at graduation)	F. Vet. Med.	Sudan	1992

## PROFESSIONAL COURSES & WORKSHOPS ATTENDED

Training Course/ Workshop	Body	Country	Date
International Conference of Clostridium	Institute of Agronomy and Animal Production in the Tropics.	Teistungen, Germany	Oct. 1998
International Symposium: Mycoplasmas of Ruminants	Joint Workshops of EU Projects (COST Action 826, FAIR Program, EU-CBPP & INCO-DC)	Toulouse, France	June 2-4 1999
Inception workshop on the control of CBPP and CCPP in the Sudan.	Min. Anim. Res. Fish. and Min. Sc. Tech. in collaboration with FAO (Project TCP/SUD/3001 A)	Khartoum, Sudan	Oct. 2004
Workshop on the Control of Contagious Bovine Pleuropneumonia	PACE Program in the Sudan	Khartoum, Sudan	Juli, 2003
Training Workshop on CBPP and CCPP.	FAO (Project TCP/SUD/3001 A) and PACE.	Sennar and Bahr Elgebel States, Sudan	Jan. & Sep. 2005

## SCHOLARSHIPS

Awarding Body	Country	Date
German Academic Exchange Service (DAAD) for Ph.D.	Germany	1997
German Academic Exchange Service (DAAD) for Master degree	Sudan	1993

## ACADEMIC, ADMINISTRATIVE & PROFESSIONAL RESPONSIBILITIES & ACTIVITIES

### SERVICE ACTIVITIES

Date	Activity
1995-1997	<i>Teaching practical classes to 3rd year undergraduates at F. Vet. Med., U. of K.</i>
1997-2001	<i>Ph. D. in Germany</i>
2001-2007	<i>Teaching:</i> <ul style="list-style-type: none"><li>- <i>(Bacteriology and food Microbiology courses : Undergraduates + Diploma students.</i></li><li>- <i>General and special bacteriology, immunology, vaccinology, infectious disease courses : Postgraduates (at Depts. of Microbiology and Preventive Med.)</i></li></ul>
2006	<ul style="list-style-type: none"><li>- <i>External examiner for Bachelor students at the Faculty of Veterinary Medicine, University of Science and Technology</i></li></ul>
2003-2007	<ul style="list-style-type: none"><li>- <i>Participate in the national control program for contagious bovine pleuropneumonia and contagious caprine pleuropneumonia.</i></li></ul>
2006-2007	<ul style="list-style-type: none"><li>- <i>the principle investigator of the project:</i> <i>Contagious caprine pleuropneumonia in the Sudan: Isolation and molecular characterization of the causative agent and vaccine development</i></li></ul>
2006-2007	<ul style="list-style-type: none"><li>- <i>participate as an investigator in the project: Heartwater in the Sudan: sero-prevalence, isolation and pathogenicity of the causative agent and vaccination trial</i></li></ul>

2007-Date	<ul style="list-style-type: none"> <li>- <i>Expert in Bacteriology at the Admin. Vet. Labs., M. Agriculture, Riyadh, Saudi Arabia.</i></li> </ul> <p><i>Responsibilities :</i></p> <ul style="list-style-type: none"> <li><i>i- consultancy:</i> <ul style="list-style-type: none"> <li>- <i>Assist in issuing import certificates for laboratory diagnostics and vet. vaccines to KSA.</i></li> <li>- <i>Visitation and assessment of private laboratories.</i></li> <li>- <i>Diagnosis of animal diseases.</i></li> <li>- <i>Participate in training courses to Saudi veterinarians.</i></li> <li>- <i>Consultant in construction of Microbiology laboratories (different biosafety levels).</i></li> </ul> </li> <li><i>ii- Expert in bacterial vaccine production:</i> <ul style="list-style-type: none"> <li>- <i>Participate in the planning for the production of veterinary bacterial vaccines in KSA.</i></li> </ul> </li> </ul>
2011- Date	<ul style="list-style-type: none"> <li>- <i>participate as an investigator in the projects:</i></li> </ul> <p><i>The epidemiology, diagnosis and control of bovine tuberculosis in KSA.</i></p>
Submitted to King A/aziz city for Science and Technology for funding	<ul style="list-style-type: none"> <li>- <i>Studies on current status and control methods of Paratuberculosis in camels ,cattle, sheep and goats in the Kingdom of Saudi Arabia</i></li> </ul>

#### **ADMINISTRATIVE RESPONSIBILITIES**

Date	Position
2002-2006	<i>Coordinator of Master by Course Program at the Dept.</i>
2001-2002	<i>Member of the Examination Committee, Faculty of Vet. Med.</i>
2001-2007	<i>Member of the Departmental Board</i>
Juli, 2005 – May, 2007	<i>Secretary of Faculty board</i>
May-September 2007	<i>Head of Dept. of Microbiology (till depature to KSA)</i>
May-September 2007	<i>Member of Faculty board</i>
May-September 2007	<i>Member of the Faculty Research Board</i>

### **NEW ESTABLISHMENTS**

<i>Date</i>	<i>Establishment</i>
1999	<i>Rehabilitation of animal-house at the Department of Microbiology.</i>
2003	<i>Rehabilitation of postgraduate lecture-room at the Department of Microbiology.</i>
2004	<i>participate in the assessment and improvement of the Master Program by Courses and Complementary Research at the Department of Microbiology.</i>
2005	<i>Establishment of research immunology laboratory at the Dept. of Microbiology.</i>

### **OTHER ACTIVITIES**

<i>Date</i>	<i>Activity</i>
2003-2004	<i>A member of the committee for the construction of the Faculty home-page.</i>
2003-2007	<i>Main officer of the Faculty KUSU elections</i>

### **MEMBERSHIP TO LEARNED SOCIETIES**

#### **LOCAL**

<i>Status</i>	<i>Association/ Society</i>	<i>Town//Country</i>	<i>Date</i>
Member	Sudanese Veterinary Association	Khartoum, Sudan	1992-date
member	DAAD Alumini	Khartoum	2003-date
member	<i>the Faculty Board ( till depature to KSA)</i>		

### **COMMUNICATION TO LEARNED SOCIETIES**

#### **Local Conferences & Meetings**

<i>Title</i>	<i>Body</i>	<i>Date</i>
<i>Cooperation between the DAAD and the Sudan in the Field of Agricultural Sciences and Research</i>	<i>DAAD &amp; University of Khartoum</i>	<i>Jan. 2002</i>
<i>Workshop on the Control of Contagious Bovine</i>	<i>PACE Program in the Sudan</i>	<i>Juli, 2003</i>

<i>Pleuropneumonia</i>		
<i>Inception workshop on the control of CBPP and CCPP in the Sudan.</i>	<i>Min. Anim. Res. Fish. and Min. Sc. Tech. in collaboration with FAO (Project TCP/SUD/3001 A)</i>	<i>Oct. 2004</i>
<i>Training Workshop on CBPP and CCPP.</i>	<i>FAO (Project TCP/SUD/3001 A) and PACE.</i>	<i>Jan. &amp; Sep. 2005</i>

### **International Conferences & Meetings**

<i>Title</i>	<i>Body</i>	<i>Town Country</i>	<i>Date</i>
<i>International Conference of Clostridium</i>	<i>Institute of Agronomy and Animal Production in the Tropics.</i>	<i>Teistungen, Germany</i>	<i>Oct. 1998</i>
<i>International Symposium: Mycoplasmas of Ruminants</i>	<i>Joint Workshops of EU Projects (COST Action 826, FAIR Program, EU-CBPP &amp; INCO-DC)</i>	<i>Toulouse, France</i>	<i>June 2-4 1999</i>

### **TEACHING & EXAMINATION EXPERIENCE**

#### **Undergraduate**

<i>Course Title</i>	<i>Credit hours</i>	<i>Semester/year</i>	<i>Faculty</i>
<i>general bacteriology (Bachelor students)</i>	<i>5</i>	<i>One/2002-2007</i>	<i>Veterinary Medicine</i>
<i>Food microbiology (diploma students)</i>	<i>2</i>		<i>Animal production</i>

#### **Postgraduate**

<i>Course Title</i>	<i>Credit hours</i>	<i>Semester/year</i>	<i>Faculty</i>
<i>Advanced general</i>	<i>3</i>	<i>One/</i>	<i>Veterinary</i>

<i>bacteriology</i>		<i>2002-2007</i>	<i>Medicine (D. of Microbiol.)</i>
<i>Advanced Special bacteriology</i>	<i>3</i>	<i>One/ 2002-2007</i>	<i>Veterinary Medicine (D. of Microbiol.)</i>
<i>Animal Diseases in the Tropics 1.</i>	<i>4</i>	<i>Two/ 2005-2007</i>	<i>Veterinary Medicine (D. Prev. Med.)</i>
<i>Vaccines and Quarantine.</i>	<i>1</i>	<i>Two/ 2005-2007</i>	<i>Veterinary Medicine (D. Prev. Med.)</i>
<i>Laboratory diagnosis.</i>	<i>4</i>	<i>Two/ 2005-2007</i>	<i>Veterinary Medicine (D. Prev. Med.)</i>
<i>Immunology of infectious diseases.</i>	<i>3</i>	<i>two/ 2004-2007</i>	<i>Veterinary Medicine (D. of Microbiol.)</i>

### **Examinations Undergraduate**

<i>Status</i>	<i>Course Title</i>	<i>Faculty</i>	<i>University</i>	<i>Date</i>
<i>External Examiner (Bachelor students)</i>	<i>(Bacteriology &amp; Mycology)</i>	<i>Vet. Med. &amp; Anim. Prod.</i>	<i>Sudan University of Science &amp; Technology</i>	<i>2006</i>
<i>Course lecturer (Bachelor students)</i>	<i>General and Systemic Bacteriology</i>	<i>Vet. Med.</i>	<i>Khartoum</i>	<i>2002- 2007</i>
<i>Course lecturer (Diploma students)</i>	<i>Food Microbiology</i>	<i>Animal Production</i>	<i>Khartoum</i>	<i>2004- 2005</i>

### **Examinations Postgraduate**



Status	Course Title	Faculty	University	Date
Internal examiner	More than 20 master students	F. Graduate College, Sudan academy of Sciences	U. of K.	2002-2007
Course lecturer	Advanced general bacteriology	Vet. Med.	Khartoum	2002-2007
Course lecturer	Advanced Special bacteriology	Vet. Med.	Khartoum	2002-2007
Course lecturer	Animal Diseases in the Tropics 1.	Vet. Med.	Khartoum	2005-2007
Course lecturer	Vaccines and Quarantine.	Vet. Med.	Khartoum	2005-2007
Course lecturer	Laboratory diagnosis.	Vet. Med.	Khartoum	2005-2007
Course lecturer	Immunology of infectious diseases.	Vet. Med.	Khartoum	2004-2007

## **SUPERVISION OF RESEARCH**

### **Postgraduate Master**

Student	Thesis Title	University	Date
Isam El din Suleiman	A study on contagious bovine pleuropneumonia in Khartoum state, Sudan.	U. of K.	2005
Aalia Hamid Ali	A bacteriological study on drinking water in khartoum state, Sudan	U. of K.	2005
Sawsan Mohamed Abbas	A study on contagious caprine pleuropneumonia in four selected states of the Sudan.	U. of K.	2006
Ayssar Abd El rahim Al amin	A study on Escherichia coli strain O157:H7 in drinking water in Khartoum state, Sudan.	U. of K.	2006
Musa Fadl El	Bacteriological study on milk from small	U. of K.	2006

<i>seed Obaid</i>	<i>dairy units in Khartoum state, Sudan.</i>		
<i>Ahmed Elyas Omer</i>	<i>A study on Escherichia coli mastitis in dairy farms in Khartoum state, Sudan.</i>	<i>U. of K.</i>	<i>2006</i>
<i>Soheila Mohamed El hassan</i>	<i>Isolation and identification of <math>\beta</math>-haemolytic catalase-negative streptococci in milk from dairy farms in khartoum state, Sudan</i>	<i>U. of K.</i>	<i>2006</i>
<i>Asmahan Kallafalla</i>	<i>Bacteriological and pathological study on affected sheep liver in El kadaro slaughterhouse, Sudan.</i>	<i>U. of K.</i>	<i>2006</i>
<i>Marwa Awad Seed Ahmed</i>	<i>Antimicrobial activity of some medicinal plants indigenous to the Sudan.</i>	<i>U. of K.</i>	<i>2006</i>
<i>Hiba Hashim Mohamed</i>	<i>Isolation and identification of Salmonella species from chicken in Khartoum state, Sudan</i>	<i>U. of K.</i>	<i>2006</i>
<i>Amira Merghani Saad</i>	<i>A study on staphylococci isolated from human nostrils in khartoum state, Sudan</i>	<i>U. of K.</i>	<i>2006</i>
<i>Abd El naser Ahmed Mohamed</i>	<i>A study on bovine brucellosis in El-hawata area in Elgadarif state, Sudan.</i>	<i>U. of K.</i>	<i>2007</i>
<i>Husham El-rayah</i>	<i>Isolation and identification of Pseudomonas spp. From surgical wounds of patients in Khartoum hospital.</i>	<i>U. of K.</i>	<i>2007</i>
<i>Gasim Mohamed Abu idris</i>	<i>Detection of antibodies against Mycoplasma capricolum subsp. capripneumoniae in Khartoum state, Sudan.</i>	<i>U. of K.</i>	<i>2007</i>
<i>Dania El-mahi</i>	<i>Isolation and identification of aerobic bacteria from external wounds of donkeys in Khartoum state, Sudan.</i>	<i>U. of K.</i>	<i>2007</i>
<b><i>Master students recieved partial supervision (till depature to KSA) :</i></b>			

<i>Iman Magzoub Mohamed Nour</i>	<i>Isolation, Identification and Antimicrobial Sensitivity of Mycobacterium tuberculosis from Patients with Pulmonary Infection.</i>	<i>U. of K.</i>	
<i>Ishraga Mahgoub.</i>	<i>Bacterial load of processed poultry feed in Khartoum state.</i>	<i>U. of K.</i>	
<i>Mohamed El fadil.</i>	<i>Detection of antibodies against Mycoplasma capricolum subsp. capripneumoniae in Northern Darfur State.</i>	<i>U. of K.</i>	

**Postgraduate  
PhD**

<i>Student</i>	<i>Thesis Title</i>	<i>University</i>	<i>Date</i>
<i>Amira Abd El-khalig</i>	<i>Diagnosis and control of CBPP in the Sudan</i>	<i>Sudan academy of Sciences</i>	

**GRANTS OBTAINED FOR RESEARCH PROJECTS**

<i>Proposal Title</i>	<i>Granting Body/country</i>	<i>Amount</i>	<i>Date</i>
<i>Contagious caprine pleuropneumonia in the Sudan: Isolation and molecular characterization of the causative agent and vaccine development (principle investigator of the project )</i>	<i>Ministry of higher Education, Khartoum, Sudan</i>	<i>46000000 Sudanese pound (old currency)</i>	<i>2006-2007</i>
<i>participate as an investigator in the project: Heartwater in the Sudan: sero-prevalence, isolation and pathogenicity of the causative agent and vaccination trial</i>	<i>Ministry of higher Education, Khartoum, Sudan</i>	<i>5000000 Sudanese pound (old currency)</i>	<i>2006-2007</i>
<i>participate as an investigator in the projects: The epidemiology, diagnosis and control of bovine tuberculosis in KSA.</i>	<i>King A/aziz city for Science and Technology, Riyadh, KSA</i>	<i>2000000 SR</i>	<i>2011-date</i>

## **PUBLICATIONS**

### *Publications List*

*Authors, title, journal, date, issue, no, pages, Journal impact*

**Zaki, A. & Abdalla, A. E.** (2001). *Bacteriological Studies on Sheep Pneumonia. Sud. J. Vet. Res.* 16: 43-47.

**Zaki, A.Z.S.A.** (2001). *Ph.D. Thesis: Investigations on Cultivation of Mycoplasma capricolum subsp. capripneumoniae in Goettingen Bioractor and Production of an Inactivated Vaccine against Contagious Caprine Pleuropneumonia. Gött. Beitr. Land-Forstwirtschaft. Trop. Subtrop.* 146. ISBN: 3-88452-407-0

**Zaki, A.Z.S.A.; Boehnel, H.; Babiker, S.H.; Suleiman, K.M.** (2011). *Optimization of Growth of Mycoplasma capricolum subsp. capripneumoniae in Goettingen Bioreactor. Sud. J. Vet. Sci. Anim. Husb. Vol. 50 (1&2): 127-139.*

**Zaki, A.Z.S.A.; Boehnel, H.; Babiker, S.H.; Suleiman, K.M.** (2011). *Harvest and Washing of Mycoplasma capricolum subsp. capripneumoniae Cells from Bioreactor Cultures. Sud. J. Vet. Sci. Anim. Husb. Vol. 50 (1&2): 150-159.*

**Zaki, A.Z.S.A.; Boehnel, H.; Babiker, S.H.; Suleiman, K.M.** (2011) *The effect of different pH values and incubation temperatures on the growth and fatty acid composition of Mycoplasma capricolum subsp. capripneumoniae grown in the bioreactor. OJVR. Vol. 15(2): 177-185.*

**Suleiman, K.M., Boehnel, H., Babiker, S.H., Zaki, A.Z.S.A.** (2006). *Cellular Fatty Acid Profile of Corynebacterium pseudotuberculosis and its Relation to Pathogenicity. J. Anim. Vet. Adv.* 5(11): 943-945.

**Suleiman, K.M., Boehnel, H., Babiker, S.H., Zaki, A.Z.S.A.** (2006). *Cytotoxic Activity in Fermenter Culture Supernatants of Corynebacterium pseudotuberculosis. J. Anim. Vet. Adv.* 5(11): 939-942.

**Suleiman, K.M.; Boehnel, H.; Babiker, S.H.; Zaki, A.Z.S.A.** (2011). *Cultivation of Corynebacterium pseudotuberculosis in a continuous culture. Sudan. OJVR.* 15 (1): 53-60.

**Nour, Iman M.M.; Saeed, E.M.A., Zaki, A.Z.S.A.; Saeed, E.S.** (2011). *Specificity of sputum smear compared to culture in diagnosis of pulmonary tuberculosis. World J. Of Med. Sci.* 6 (3): 121-125.

**Intisar M. B. Hamid, El Tahir, S. Shuiep, Ibtisam E. M. El Zubeir, Ahmed, Z. Saad and Osman A. O. El Owni** (2012) *Influence of Staphylococcus aureus mastitis on milk composition of different dairy breeds of cattle in Khartoum State, Sudan. World's Vet. J.* 2(2): 13-16, 2012.

**Zaki, A. & Boehnel, H.** (1999). *Cultivation of Mycoplasma capricolum subsp. capripneumoniae using the Continuous Culture Technique. International Symposium: Mycoplasmas of Ruminants. COST Action, Toulouse, France,*

<i>June 2-4 1999.</i>	
<b>Zaki, A.Z.S.A. and Suleiman, K.M. (2004).</b> <i>Contagious Caprine Pleuropneumonia in the Sudan. Inception workshop on the control of CBPP and CCPP in the Sudan. Min. Anim. Res. Fish. and Min. Sc. Tech. in collaboration with FAO (Project TCP/SUD/3001 A). 12th October. Khartoum. Sudan.</i>	
<b>Zaki, A.Z.S.A. (2005).</b> <i>Contagious caprine pleuropneumonia: Clinical signs and diagnosis. Training workshop on CBPP and CCPP, recognition, sample collection, preservation and transportation, vaccine storage and administration. Min. Anim. Res. Fish. and Min. Sc. Tech. in collaboration with FAO (Project TCP/SUD/3001 A) and PACE. 3-5 Jan. Sennar State, 12-17 Sep. Bahr El Gebel State, Sudan.</i>	
	<i>Date: April 2014</i>