

Curriculum Vitae



Dr. Izzedin Babiker Ismail Osman
B.Vsc. M. Vsc, (U of K) Ph.D (UPM)

Personal data

Name Izzeldin Babiker Ismail Osman
Nationality Sudanese
Date of birth 1/1/1959
Place of birth Omudurman-Sudan
Marital Status Married with five children
Specialization Physiology
Sub specialization Environmental physiology
Address Department of Physiology, Biochemistry and Pharmacology, College of Veterinary Medicine, King Faisal University. Department of Physiology, Faculty of Veterinary Medicine, University of Khartoum.
E-mail izzeldin78@hotmail.com

Qualifications

Ph.D	2001	Putra University Malaysia (Malaysia)
M.V.Sc	1992	University of Khartoum (Sudan)
B.V.Sc.	1985	University of Khartoum (Sudan)

Employment

* Assistant Prof.	King Faisal University, Saudi Arabia	2007-now
*Student's Deputy Dean	University of Khartoum	2002-2007 Sept
*Assistant Professor	University of Khartoum	2001-now
* Research Assistant	University Putra Malaysia	1996-2001
* Lecturer	University of Khartoum	1992- 995
* Teaching Assistant	University of Khartoum	1987- 1991
* Technical Manager	Sudanese Kuwaiti Poultry Company	1985-1987
* Consultant Veterinarian	(African Poultry Company)	1992-995

Scholars and awards

- * Awarded the best student prize at the Mohammed Hussein high secondary School 1979
- * Awarded the academic price for best student in Biochemistry for second year students, Faculty of Veterinary Medicine, University of Khartoum 1981
- * Awarded University of Khartoum scholarship to study master degree at Faculty of Veterinary Medicine, University Khartoum 1988-1991
- * Awarded Ministry of Higher Education (Sudan) scholarship to study Ph.D at Faculty of Veterinary Sciences, University Putra Malaysia 1996-2001
- * Awarded Research Assistantship at Department of Biomedical science Faculty of Veterinary Medicine, University Putra Malaysia 1996-1998
- * Awarded Graduate Assistantship at Department of Biomedical science, Faculty of Veterinary Medicine University Putra Malaysia 1998-2000.
- * Awarded certificate of merit for the best Ph.D thesis session 2000-2001, Faculty of Veterinary medicine, University Putra Malaysia.

Teaching Experience

The following theoretical and practical courses were conducted in different academic institutions:

(A) University of Khartoum (Sudan)

(i) Faculty of Veterinary Medicine

- | | |
|--|-----------|
| (1) Hematology (Second year students) | 1987-1991 |
| (2) Muscular physiology (Second year students) | 1987-1991 |

- | | |
|---|-----------|
| (3) Renal physiology (Second year students) | 1992-1995 |
| (4) Cell physiology (First year students) | 2001 |

(ii) Faculty of Animal Production

- | | |
|--|----------------|
| (1) Avian physiology (third year students) | 1993-1995 |
| (2) Environmental physiology (third year students) | 2001- 2007Sept |

(iii) Faculty of Agriculture

- | | |
|---|-----------|
| (1) Environmental physiology (fourth year students) | 1993-1995 |
|---|-----------|

(B) University of Juba (Sudan)

Faculty of Natural Resources

- | | |
|---|-----------|
| (1) Hematology (third year students) | 1987-1991 |
| (2) Muscular physiology (third year students) | 1987-1991 |

(C) Omdurman Islamic University (Sudan)

Faculty of Science

- | | |
|---|-----------|
| (1) Hematology (third year students) | 1987-1991 |
| (2) Muscular physiology (third year students) | 1987-1991 |

(D) Putra University (Malaysia) *(The material is available in CDs)*

(i) Faculty of Veterinary Medicine

- | | |
|--|-----------|
| (1) Hematology (Second year students) | 1997-2001 |
| (2) Renal physiology (Second year students) | 1997-2001 |
| (3) Muscular physiology (Second year students) | 1997-2001 |
| (4) Cardiovascular system (Second year students) | 1997-2001 |

(ii) Faculty of Biomedical Science

- | | |
|--|-----------|
| (1) Hematology (Second year students) | 1997-2001 |
| (2) Renal physiology (Second year students) | 1997-2001 |
| (3) Muscular physiology (Second year students) | 1997-2001 |
| (4) Cardiovascular system (Second year students) | 1997-2001 |

(iii) Faculty of Medicine

- | | |
|--|-----------|
| (1) Hematology (Second year students) | 2000-2001 |
| (2) Muscular physiology (Second year students) | 2000-2001 |

(E) King Faisal University:

College of Veterinary Medicine and Animal Resources

Physiology (I) courses

Cell physiology

Renal physiology

Physiology of respiratory system

Body fluids and acid-base balance

Thermoregulation

Practical classes (Physiology I)

Physiology (II) courses

Avian reproductive physiology

Practical classes of physiology (II)

Presented four recorded video CDs to faculty of Veterinary Medicine University Putra audiovisual library for teaching practical classes covering the following Demonstrations:

- (i) Blood Sampling from farm and laboratory animals.
- (ii) Catheterization of ewe for urine collection and renal function test.
- (iii) Neuromuscular practical classes on the frog muscle.
- (iv) Frog heart experiments recording the heart beats and the influence of temperature and drug on the heart functions

Administrative Responsibilities

(A) University of Khartoum

1. Member of the departmental board (Physiol. Dept.) 1991-1995
2. Secretary of the departmental board (Physiol. Dept.) 1992- 1995
3. Member of the faculty board (Vet. Medicine) 1992-1995
4. Member of the faculty examination committee 2001-2006
5. Coordinator of the faculty first year 2001-2002
6. Deputy Dean for student's affairs, 2002-date
7. Member of the University Senate 2002-2007Sept
8. Member of the University Deans Committee 2002-2007Sept
9. Member of the University Admission and Registration Committee

10. Member of the University Examination and Prize Committee 2002-2007Sept
11. Member of the University Fees and Bursaries Committee 2002-2007Sept
12. Member of the University Academic Field Trips Committee 2002-2007Sept
13. Member of the University Students Affairs Committee 2002-2007Sept
14. Member of the University Board of Registrars

(B) King Faisal University

1. Member of the committee of Public relations college of Veterinary Medicine and Animal Resources.
2. Member of the committee of Reports, college of Veterinary Medicine and Animal Resources.
3. Member of the committee of Quality Assurance and Academic Accreditation, college of Veterinary Medicine and Animal Resources.
4. Member of the committee of Quality Assurance and Academic Accreditation for institutional accreditation project, King Faisal university, Saudi Arabia

(B) Community engagement:

- a. Consultant Veterinarian (African Poultry Company) 1992-1995
- b. Supervised many poultry and dairy farms in Khartoum state (Sudan) 1985- 1995
- c. Technical Manager at Sudanese Kuwaiti Poultry Company 1985-1987
- d. Participate in the Saudi project for utilization of Hajj meat for 2008, 2009, 2011
- e. Attend a work shop entitled: Student-centered learning and teaching concept theory and application November 18-19, 2015

Memberships

- * Member of the Sudan Veterinary Council, 1985 -2007Sept
- * Member, Sudanese Physiology Association 2001-2007Sept

Graduate Students Examinations and Supervision:

Acted as internal examiner for five student and four student at Institute of Environmental studies (one M.Sc) and (five M.Vsc) Faculty of Veterinary Medicine University of Khartoum.

Supervised Six M.V.Sc students at Faculty of Veterinary Medicine, University of Khartoum, three of them already completed and recommended for the awarded the degree.

- (1) Aida Elsaeid Huwitalla : **The effect of Dietary Zinc Bacitracin on Broiler Chicks Performance an Physiological Responses Under Sudan Summer Condition.**(Awarded M.V.Sc., May.2006)
- (2) Marwa Mohammed Huwaitalla: **The Performance and Thermal Responses of Exotic Breeds under Hot Climate.** .(Submitted, June2006).
- (3) Eltayeb Elsadig Eltayeb: **Effects of Salinity of Drinking Water and Dehydration on thermoregulation and blood and urine composition in Nubian Goat.**(Submitted, Oct.2006).
- (4) Mohammed Khair Khalifa: **Environmental Manipulations to Minimize the Adverse Effect of heat Stress on the Immune Response of Broiler Chicks under Sudan Summer Conditions.**
(Submitted to supervisor)
- (5) Tagwa Norain Mahmoud : **The effect of Dietary Chromium Chloride and Ascorbic acid on Broiler Chicks Performance and Immune Response under Hot Climate.**(Statistical Analysis Stage)
- (6) Ahlam Abdullah Hammad Elseeid : **The effect of Feed and Water Restriction on the Performance and Physiological Responses of Desert sheep Under Sudan Summer Condition.**(First Experiment)

Publications

(A) Thesis

- M.V.Sc 1991 Thesis title: **The effect of Ascorbic acid (Vitamin C) on broilers under hot climate**
- Ph.D 2001 Thesis title: **Environmental manipulations to minimize thermal stress in laying hens in a hot, humid climate**

(B) Contribution to Journals and Proceedings

- a. Mohamed, E.H., **EzzEldin, B. Ismail** and Abdel Rahim, S. A. Sayed (1999). *Hastospiculum macrophallos (Nematoda: Diplotrriaenoidea)* from a Nile monitor lizard (*varanus niloticus*). Journal of Natural Resources and Environmental Studies 2, 1, 91-93.
- b. **Izzeldin, B.** and Kassim, H. (2000). The effect of light and darkness on acclimatization of laying hens. Asian-Australasian Journal of Animal Sciences 31 (5): 694-697.
- c. **Izzeldin, B.** and Kassim, H. (2000). Catheterization of medial planter metatarsal vein for serial blood sampling and injections in laying hens. Malaysian Applied Biology
- d. S.B. Babiker, S.E. Elsammani, **Izzeldin, B. Ismail** (1991). Incubators reject eggs as a protein supplement in the diets of broilers. Sudan Journal of Animal Production 83-93.
- e. I.F. Albokhadaim, **I. B. Ismail**, S.M. El-Bahr, T., Althnaian (2010): The effect of manipulations of incubation temperature on embryonic and post-hatching growth of native Saudi chickens. Pakistan Journal of Biological Science, 13(17), 852-856.
- f. **I. B. Ismail** 2012: The Effects of Dietary Ascorbic acid, and Chromium chloride, and their combination on the physiological and immune responses of broiler chicks under Summer Condition. The 27th meeting of the Saudi Biological Society, Economic of Environment and Natural resources, 6-8 March 2012. Jazan University, Jazan, Saudi Arabia

- g. **Ismail, I.B.**, K. Al-Bosaadah, S.M. El-Bahr. 2013. Effect of dietary supplementation of canola oil on egg production, quality and biochemistry of egg yolk and plasma of laying hen. *International journal of biological chemistry*.7(1):27-23.
- h. **Ismail, I.B.**, K.A. Al-Busadah, S.M. El-Bahr 2013. Oxidative stress biomarkers and biochemical profile in broilers chicken fed zinc bacitracin and ascorbic acid under hot climate. *American Journal of Biochemistry and Molecular Biology*. 3:202-214.
- i. Tagwa, N., **IB, Ismail**, K.A. Abdoun. 2013. Dietary inclusion of chromium to improve growth performance and immune competence of broiler under heat climate. *Italian Journal of animal Science*. 12: 562-566.
- j. **Ismail, I.B.**, K.A. Al-Busadah, El-Bahr, S.M. 2015. Biochemical markers of oxidative stress in tissues of broiler chickens fed zinc bacitracin and ascorbic acid under hot climate. Submitted in *International Journal of Biological Chemistry*.

Research Grant from Deanship of Research

1. Nutritional Manipulations to Minimize Thermal Stress in Broiler Chicks under Hot Environment.
2. The Effects of Water Deprivation and Rehydration, Season and Salt Supplementation on the Physiological and Biochemical Responses of Camel, Sheep and Goat (2428).
3. Effect of Rapeseed Oil (Canola) Supplementation on Eggs Quality, Plasma and Egg yolk Lipid, and Lipoproteins Levels in Commercial Layers (4668).
4. Studying the Antioxidant Activity of Zinc Bacitracin and/or Ascorbic Acid on Broiler Chicks Subjected to Heat Stress.