

**Name:** Elhassan, Yassin

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<b><u>Education:</u></b>	Institution	Degree	Title
	University of Arizona	PhDI	Animal Physiology
	University of Arizona	MS	Dairy Science

**Non** N/A

**Teaching**

**Experience:**

**Teaching**

**Experience:**

Jan 2007- Current:

Lone-Star Cy-Fair College, Department of Biology, Cy-Fair College,  
Cypress, Texas, USA.

Taught classes (lecture & laboratory):

- 1) BIOL2401 (Human Anatomy and Physiology I)
- 2) BIOL2402 (Human Anatomy and Physiology II)
- 3) BIOL2404 (Intro Human Anatomy and Physiology)
- 4) BIOL1406 (Biology 1)
- 5) BIOL1408 (Intro Biology 1 for Non-majors)

**Jan-May 2011 & Jan-May 2012:**

HCC, Department of Biology, Cy-Fair College, Cypress, Texas, USA.

BIOL1406 (Biology 1)

**May 1995-Dec 2000:**

Texas A & M University, College of Veterinary Medicine, Department of Veterinary Physiology and Pharmacology, College Station, Texas, USA.

In addition to conducting research, participated in:

- 1) Teaching an IVF and embryo culture module of a lab unit of section of "Gamete and Embryo Physiology".
- 2) Training graduate and undergraduate students laboratory techniques and procedures.
- 3) Supervising and assisting graduate students with their research projects.
- 4) Training and assisting visiting scholars and scientists various laboratory techniques and procedures involving in vitro production of mammalian embryos.

**Nov. 1985-June 1987:**

University of Khartoum, College of Veterinary Medicine, Department of Physiology and biochemistry, Khartoum, Sudan.

Faculty.

Taught pre-clinical classes:

- 1) Endocrinology and Reproductive Physiology (lecture).
- 2) Endocrinology and Reproductive Physiology (lab).
- 3) Tutorials and seminars.

**June 1986- June 1987:**

University of Juba (at U of K Campus), College of Veterinary Medicine,  
Department of Physiology and biochemistry, Khartoum, Sudan.

Faculty.

Taught:

- 1) Endocrinology and Reproductive Physiology (lecture).
- 2) Endocrinology and Reproductive Physiology (lab).
- 3) Tutorials and seminars.

**Sep. 1984-June 1987:**

University of Sudan, College of Veterinary Medicine, Department of  
Physiology & Biochemistry, Khartoum North, Sudan.

- 1) Animal Nutrition (lecture & lab)
- 2) Genetics & Breeding (lecture & lab)

**July 1976- Aug. 1978:**

University of Sudan, College of Veterinary Medicine, Department of  
Physiology & Biochemistry, Khartoum North, Sudan.

Senior Faculty.

Taught:

- 1) Animal Nutrition (lecture & lab)
- 2) Genetics & Breeding (lecture & lab)
- 3) Animal Genetics & Breeding (lab)

Developed curricula for two proposed classes:

- 1) Advanced Reproductive Physiology.
- 2) Physiology of Lactation.

**Publications:**

Elhassan YM, G Wu, AC Lean'ez, RJ Tasca, AJ Watson and ME Westhusin. 2001. Amino Acid Concentrations in Fluids from the Bovine Oviduct and Uterus and in KSOM-Based Culture Media Theriogenology. 55:1907-1918

Elhassan YM, Shin T, Tasca RJ, Kraemer DC . 2001. In vitro culture of cloned and in vitro fertilized bovine embryos in a chemically defined culture medium. Theriogenology. 55: 266.

Shin T, Elhassan Y, Caveney A, Watson A, Looney C, Kraemer D, Westhusin M. 2001. Comparison of embryo survival rates and apoptotic levels in cloned bovine embryos cultured in semidefined medium (G1/G2) and chemically defined medium. Theriogenology. 55: 291.

Elhassan YM, X Zhang, DC Kraemer and ME Westhusin. 2000. Blastocyst development of in vitro produced morula-stage bovine embryos briefly exposed to Ultraviolet light following Hoechst staining. J. Biol. Reprod. 62: 253 (Suppl 1).

Elhassan YM and ME Westhusin. 1999. A Simple Salt Solution medium supplemented with Egg Yolk Plasma and Lactate (YPLM) Supports pre-implantation development of Bovine Embryos in vitro. Anim. Reprod. Sci. 57:153-166.

Elhassan YM, CP Lee, RJ Tasca and ME Westhusin. 1999. The Effect of NaCl-Associated Osmolarity changes on Bovine Embryo Development in a Completely Defined Culture Medium Supplemented with Amino Acids at Oviductal Fluid Levels. J. Biol. Reprod. 60: 248 (Suppl 1).

Elhassan YM, RJ Tasca and ME Westhusin. 1999. Levels of Amino Acids in Bovine Oviductal and Uterine Fluids in Comparison to Levels Available in a Culture Medium Supplemented with Commercial Stocks. Theriogenology. 51:237.

Lee CP, YM Elhassan and ME Westhusin. 1999. The Effect of b-Mercaptoethanol and N-Acetyl Cysteine on Development of Bovine

Blastocysts Produced In Vitro. *J. Biol. Reprod.* 60:193 (Suppl 1).

Lee CP, YM Elhassan and DC Kraemer. 1999. The Effect of b-Mercaptoethanol and N-Acetyl Cysteine on Development and Hatching of Bovine Blastocysts Produced In Vitro. *Theriogenology*. 51:243.

Winger QW, Elhassan YM, Watson AJ and Westhusin ME. 1998. Expression of Lactate Dehydrogenase mRNAs in Bovine Pre-attachment Embryos. *J. Biol. Reprod.* 58: 95 (Suppl 1).

Elhassan YM and ME Westhusin. 1997. An Egg Yolk Fraction High in LDL Supports In Vitro Development of Bovine Embryos in a Cell-Free Basic Salt Solution Supplemented with Lactate. *J. Biol. Reprod.* 54: 138 (Suppl 1).

Elhassan YM and ME Westhusin. 1997. In Vitro Development of Preimplantation Bovine Embryos in a Co-Culture System Supplemented with Egg Yolk. *Theriogenology*. 47:288.

Elhassan YM and ME Westhusin. 1996. In Vitro Development of Bovine Embryos in a BRL Co-Culture System Supplemented with Egg Yolk in the Presence or Absence of Fetal Bovine Serum and Bovine Serum Albumin. *J. Biol. Reprod.* 54:81 (Suppl).

Elhassan YM and RW Wright Jr. 1995. The Effect of Selenium and Vitamin E Addition on Cleavage Rate of IVF/IVM Bovine Oocytes. *Theriogenology*. 43:206

Elhassan YM. 1984. Reproductive Response of Dairy Heifers to chronic Submaintenance Energy Rations. Ph.D. Dissertation, Univ. of Ariz., Tucson, Arizona.

Elhassan YM. 1981. The Effect of Adding Various Protein Supplements to Pelleted Cottonseed Hulls on Milk Production. M.S. Thesis, Univ. of Ariz., Tucson, Arizona.

### **Conferences:**

The 33rd Annual Meeting of the Society for the Study of Reproduction, Madison, Wisconsin, USA, July 2000. A poster presentation: "Blastocyst development of in vitro produced morula-stage bovine embryos briefly exposed to Ultraviolet light following Hoechst staining".

The 32nd Annual Meeting of the Society for the Study of Reproduction, Pullman Washington, USA, July 1999. A poster presentation: "The Effect of NaCl-Associated Osmolarity changes on Bovine Embryo Development in a Completely Defined Culture Medium Supplemented with Amino Acids at

Oviductal Fluid Levels”.

The IETS Annual Conference, Quebec city, Canada, January 1999. A poster presentation: “ Levels of Amino Acids in Bovine Oviductal and Uterine Fluids in Comparison to Levels Available in a Culture Medium Supplemented with Commercial Stocks”.

The 31st Annual Meeting of the Society for the Study of Reproduction, College Station Texas, USA, August 1998. A poster

presentation: " Expression of Lactate Dehydrogenase mRNAs in Bovine Pre-attachment Embryos”.

The IETS Annual Conference, Boston, MA, USA, January 1998; Attendant.

The 30th Annual Meeting of the Society for the Study of Reproduction, Portland Oregon, USA, August 1997. A poster presentation: " An Egg Fraction High in LDL Supports In Vitro Development of Bovine Embryos in a Cell-Free Basic Salt Solution Supplemented with Lactate”.

Texas Forum on Female Reproduction, Houston, USA, May 1997. A poster presentation: “ The Effect of Egg Yolk and Egg Yolk Fractions: Yolk Plasma and Yolk Granules, on Development of Mammalian Embryo”.

The IETS Annual Conference, Nice, France, January 1997. A poster presentation: “ In Vitro Development of Preimplantation Bovine Embryos in a Co-Culture System Supplemented with Egg Yolk”.

The 29th Annual Meeting of the Society for the Study of Reproduction, London, Canada, July 1996; A poster presentation: “ In Vitro Development of Bovine Embryos in a BRL Co-Culture System Supplemented with Egg Yolk in The Presence or Absence of Fetal Bovine Serum and Bovine Serum Albumin”.

The IETS Annual Conference, Calgary Canada, January 1995. A poster presentation: " The Effect of Selenium and Vitamin E Addition on Cleavage Rate of IVM/IVF Bovine Oocytes”.