




# Omran Algriany

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## Contact Information

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 Tripoli, Libya

## Professional Summary

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Ph.D. and MSc in Reproductive Biology and extensive experience in both academic and administrative leadership roles. Proven expertise in modern reproductive biology techniques like artificial insemination, semen cryopreservation, embryo transfer, and also different molecular biology techniques, research methodologies, and diagnostic laboratory operations. Adept at teaching, curriculum development, and managing complex projects.

## Education

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### Ph.D. in Reproductive Biology (March 2007)

- **Utrecht University**, The Netherlands
- **Thesis:** (Expression analysis of genes implicated in meiotic resumption in vivo and developmental competence of bovine oocytes)

## **MSc in Agriculture (1999)**

- **Szint Istvan University**, Hungary
- **Thesis:** (Reproductive technologies in sheep and goats)

## **Bachelor of Veterinary Sciences (1991)**

- Faculty of Veterinary Medicine, Tripoli, Libya

# **Professional Appointments**

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## **Academic Positions**

- ◆ Professor, Physiology, Biochemistry and Animal Nutrition Department, Faculty of Veterinary Medicine, Tripoli University.

## **Administrative Positions**

- ◆ Head of Physiology, Biochemistry and Nutrition Department, Faculty of Veterinary Medicine, Tripoli University (2022 – present)
- ◆ Head of Scholarship Department, Ministry of Education, Libya (4/2009 – 9/2011)
- ◆ Head of Staff Affairs Department, University of Tripoli (2008 – 2011)
- ◆ Dean, Faculty of Veterinary Medicine, Tripoli University (7/2007 – 4/2009)

# **Skills and Expertise**

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- ◆ Molecular Biology Techniques: DNA-RNA extraction, quantitative real-time PCR, qualitative PCR, microarray generation and analysis, gene cloning, bioinformatics, PCR primer design, gel electrophoresis, western blot, spectrophotometry, immunohistochemistry.

- ♦ Cellular and Developmental Biology: Tissue culture, artificial insemination, in vitro oocyte maturation (IVM), in vitro fertilization (IVF), in vitro embryo culture (IVC), various cell staining techniques (fluorescent microscopy, confocal microscopy).
- ♦ Laboratory Management & Safety: Proficient in laboratory safety practices and animal science techniques.
- ♦ Data Analysis & Software: Real-time PCR data analysis, Microsoft Office Suite, SPSS statistical package, GraphPad prism, EndNote, Zotero, ImageJ.

## Publications

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1. Algriany, O. Expression analysis of genes implicated in meiotic resumption in vivo and developmental competence of bovine oocytes, PhD thesis, Utrecht University. ISBN:978-90-393-44835. <https://dspace.library.uu.nl/handle/1874/20743>
2. Abdoslam O, Bayt-Almal M, Almghrbe A, Algriany O Serum protein electrophoretic pattern in one-humped camels (*Camelus dromedarius*) in Tripoli, Libya. *Open Vet J.* 2018;8(1):1-4.
3. Assidi M, Dufort I, Ali A, Hamel M, Algriany O, Dieleman S, Sirard MA. Identification of Potential Markers of Oocyte Competence Expressed in Bovine Cumulus Cells Matured with Follicle-Stimulating Hormone and/or Phorbol Myristate Acetate In Vitro. *Biology of reproduction.* 2008 Aug;79(2):209-22
4. Mourot M, Dufort I, Gravel C, Algriany O, Dieleman S, Sirard MA. The influence of follicle size, FSH-enriched maturation medium, and early cleavage on bovine oocyte maternal mRNA levels. *Molecular Reproduction and Development.* 2006 Nov;73(11):1367-79.
5. Algriany O, Bevers M, Schoevers E, Colenbrander B, Dieleman S. Follicle size-dependent effects of sow follicular fluid on in vitro cumulus expansion, nuclear maturation and blastocyst formation of sow cumulus oocytes complexes. *Theriogenology.* 2004 Nov;62(8):1483-97.
6. Algriany, O. Vos, P. Groenendaal, H. van Gastel, A. Colenbrander, B. Dieleman, S. J. The quality of preovulatory follicles during final maturation in cows stimulated with oFSH and a defined LH surge. *Proceeding of the 31 annual conference of the international embryo transfer society (IETS), Copenhagen, Denmark. Reproduction, Fertility and Development.* 2005, VOL 17; NUMB 1/2,
7. O. Algriany, P. L. A. M. Vos, M. A. Sirard and S. J. Dieleman. Switch in the expression of genes involved in lipid metabolism for in vivo matured bovine oocytes and blastocysts. *Proceeding of the 33 annual conference of the international embryo transfer society (IETS), Kyoto, Japan,*

- Reproduction, Fertility and Development. 2007, 19(1) 244. (Abstract)
8. Mourot, Marina, Duffort Isabelle, Gravel Catherine , Algriany Omran, Dieleman Steph , Sirard Marc Andre. Searching a multi-level developmental competence bovine oocyte gene. 38 annual meeting for the society of the study of reproduction (SSR), Quebec City, Canada, 2005. M475. (Abstract).
  9. O. Algriany, I. Dufort, P.L. Vos, M.A. Sirard, S.J. Dieleman. Isolation and identification of genes associated with developmental competence in bovine oocytes using suppressive subtractive hybridization (SSH) and microarray. Annual meeting, The Flemish-Dutch Association for the Study of Fertility and Reproduction, Amsterdam, 2004. (Abstract, Oral presentation).
  10. Algriany O, Schoevers E, Kidson A, Colenbrander B, Bevers M. The stimulatory effect of sow follicular fluid on in vitro oocytes developmental competence depends on follicular size. 18 th scientific meeting of European embryo transfer association, Roulduc, The Netherlands, 6-7 September 2002. P 132 (Abstract).
  11. Vos PLAM, Groenedaal H, Van Gastel ACTM, Algriany O, Dieleman SJ. Impact of the accuracy of the interval between oFSH injections on follicular quality in superovulated cows. 20 th scientific meeting of European embryo transfer association, Lyon, 10-11 September 2004. P 190 (Abstract).
  12. Abdelfettah Mohamed Shirif, Abdul Shakoor Chaudhry, Salheen Madani Salheen, Mona Mohammed Khubreiz, Omran Ahmed Algriany. Effect of Soaking and Urea Treatment on the *In Sacco* Organic Matter Degradability of Whole Wheat Straw at Various Incubation Times in Fistulated Sheep. Open Access Library Journal, AlQalam Journal of Medical and Applied Sciences, Vol.11 No.7, July 2024.
  13. Narjes El Osta, Zainab El Mabrouk, Omran Algriany. Computational Analyses of Amino Acid Molecules in PDE7A for Elucidating their Evolutionary Diversity and Protein Interactions in Multiple Mammalian Species. Volume 7, Issue 4, 2024
  14. Omran E. Abdoslam and Almahdi A. Jaber and Jamal R. Shehim and Omran A. Algriany Clinical Observations and Management of Ivermectin Toxicity in Camels (*Camelus dromedarius*): A Study from Algatroun, Southwest Libya. Fezzan University scientific Journal. 2025, Volume 4, 64-68.
  15. Omran E. Abdoslam and Almahdi A. Jaber and Omran A. Algriany. Cross-over Infection of *Linognathus africanus* and Its Economic Impact on Goat and Sheep Husbandry in Southwest Libya. Fezzan University scientific Journal. 2025, Volume 4, 375-380.
  16. A Zaidi, H Al-Griw, O Algriany, B Altameme, M Sultan. Prevalence of Vitamin D Deficiency and Its Associated Risk Factors among Pregnant Women in Sbea, Libya. Khalij-Libya Journal of Dental and Medical Research, 104-11. [https:// doi.org/10.47705/kjdmr.2481015](https://doi.org/10.47705/kjdmr.2481015)

17. OE Abdoslam, AA Jaber, OA Algriany. Evaluation of Management Strategies for Reducing Pasteurellosis Burden in Lambs in Southern Libya. *Libyan Journal of Veterinary and Medical Sciences*, 2024. 5 (2), 1-4. DOI: <https://doi.org/10.5281/zenodo.15650131>
18. MM Khubeiz, OA Algriany, WM Elmghirbi, SAM Bilkhayr GhR Effect of dietary supplementation of coriander seed (*Coriandrum sativum* L.) on gut morphology in broiler chickens *Online J. Anim. Feed Res.* 2024, 14 (3), 204-210. DOI: <https://dx.doi.org/10.51227/ojaf.2024.24>