



Curriculum Vitae

Essam Abdel-Salam Moustafa Abdel-Rahman Almadaly

Department of Theriogenology, Faculty of Veterinary

Medicine, Kafrelsheikh University, Egypt

1. Personal Identity:

Given name	Essam Abdel-Salam Moustafa Abdel-Rahman
Surname	Almadaly
Sex	Male
Date of birth	25th–December–1979
Nationality	Egyptian
Place of work	Department of Theriogenology, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt
Current Position	Professor and head of Theriogenology Department
Address of work	El-Geish Street – 33516, Kafrelsheikh, Egypt
Telephone / Fax	+02–(0)47/3234780–3231609–3231311–Post No: 33516; Cell phone: 01064005262 / 01001096822
Marital state	Married and have 3 children
Degrees	B.V.Sc. in 2002, M.V.Sc. in 2006 and Ph.D. in 2012 (Theriogenology)
Email:	▪ dr_essam_2005@yahoo.com ▪ essam.mostafa@vet.kfs.edu.eg ▪ habibysofy@yahoo.com
Major	Theriogenology



Specialization:	
Minor Specialization:	Andrology and Artificial Insemination (Spermatology)

2. Education:

September-1997 to May-2002	Undergraduate student, Faculty of Veterinary Medicine, Kafrelsheikh, Tanta University, Egypt
May-2002	Obtained License for Veterinarian (No. 29966)
September-2003 to July-2006	Master Course Student (Theriogenology), Faculty of Veterinary Medicine, Kafrelsheikh, Tanta University
July-2006	Obtained Master's degree in Veterinary Medicine, (Tanta University, Egypt)
September-2006 to June-2012	Doctor Course Student (Theriogenology), Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt
January-2010 to December-2011	A member of channel system scholarship-Laboratory of Theriogenology, Department of Veterinary Medicine, United Graduate School of Veterinary Sciences, Gifu University, Japan
June-2012	Obtained Ph.D. degree, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt

3. Employment history:

July-2003 to July-2006	Demonstrator, Department of Theriogenology, Faculty of Veterinary Medicine, Kafrelsheikh, Tanta University, Egypt
August-2006 to June-2012	Assistant Lecturer, Department of Theriogenology, Faculty of Veterinary Medicine,



	Kafrelsheikh University, Egypt
January–2010 to December–2011	Foreign Researcher, Laboratory of Theriogenology, Department of Veterinary Medicine, Faculty of Applied Biological Sciences, Gifu University, Japan
July–2012 to September–2013	Lecturer, Department of Theriogenology, Faculty Of Veterinary Medicine, Kafrelsheikh University, Egypt
September–2013 to March–2014	Foreign Researcher for 6 months in Faculty of Applied Biological Sciences, Gifu University, Japan
March–2014 to July–2017	Lecturer, Department of Theriogenology, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt
July–2017 until August 2022	Associate Professor and head of Theriogenology Department, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt
August 2022 up to date	Professor and Head of Theriogenology Department, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt

4. Languages:

Fluent in Arabic and English with Little French and Japanese.

5. Theses:

M.D.: Studies on the Epididymal spermatozoa of camels (*Camelus dromedarius*). **Tanta University, Egypt, 2006.**

Ph.D.: Effect of seminal plasma proteins on the semen cryopreservation and establishment of an optimum method for determination of sperm acrosomal status in bulls. **Kafrelsheikh University, Egypt – Gifu University, Japan, 2012.**



List of Publications:

1. Ismail El-Kon, Adel Ramoun, Bahy Serur and **Essam Almadaly**. *Studies on the epididymal spermatozoa of camels (Camelus dromedarius)*. **Journal of Egyptian Veterinary Association**, **2006**, 66 (3): 45–60.
2. **Essam Almadaly**, Ismail El-kon, Bassiouni Heleil, El-Sayed Fattouh, Koushi Mukoujima, Takuya Ueda, Youichirou Hoshino, Masaki Takasu and Tetsuma Murase. *Methodological factors affecting the results of staining frozen-thawed fertile and sub-fertile Japanese Black bull spermatozoa for acrosomal status*. **Animal Reproduction Science**, **2012**, 136: 23–32.
<https://doi.org/10.1016/j.anireprosci.2012.10.016>
3. **Essam Almadaly**, Foad Farrag, Mostafa Shukry and Tetsuma Murase. *Plasma membrane integrity and morphology of frozen-thawed bull spermatozoa supplemented with desalted and lyophilized seminal plasma*. **Global Veterinaria**, **2014**, 13 (5): 753–766.
[10.5829/idosi.gv.2014.13.05.8684](https://doi.org/10.5829/idosi.gv.2014.13.05.8684)
4. **Essam Almadaly**, Youichirou Hoshino, Takuya Ueta, Koushi Mukoujima, Mostafa Shukry, Foad Farrag, Ismail El-kon, Kazuo Kita and Tetsuma Murase. *Desalted and lyophilized bovine seminal plasma delays induction of the acrosome reaction in frozen-thawed bovine spermatozoa in response to calcium ionophore*. **Theriogenology**, **2015**, 83: 175–185.
<https://doi.org/10.1016/j.theriogenology.2014.09.004>
5. Mustafa Shukry, Tarek Kamal, Radi Ali, Foad Farrag, **Essam Almadaly**, Ayman A. Saleh, and Mohammed Abu El-Magd. *Pinacidil and levamisole prevent glutamate-induced death of hippocampal neuronal cells through reducing ROS production*. **Neurological Research**, **2015**, 37: 916–923. <https://doi.org/10.1179/1743132815Y.0000000077>
6. **Essam Almadaly**, Mohey Ashour, Ismail El-Kon, Bassiouni Heleil and El-Sayed Fattouh. *Efficacy of various synchronization protocols on the estrus behavior, lambing rate and prolificacy in Rahmani Egyptian ewes during the non-breeding season*. **Asian Journal of Animal and Veterinary Advances**, **2016**, 11 (1): 34–43. [10.3923/ajava.2016.34.43](https://doi.org/10.3923/ajava.2016.34.43)
7. Islam M. Saadeldin, Candrani Khoirinaya, Su Jin Kim, Joon Ho Moon, **Essam Almadaly** and Byeong Chun Lee. *Blastocysts derivation from somatic cell fusion with premature oocytes*



(prematuration somatic cell fusion). *Development, Growth & differentiation*, **2016**, 58: 157–166. <https://doi.org/10.1111/dgd.12264>

8. **Essam Almadaly**, Ibrahim Mansour, Nabil Mansour, Aly Karen, Bahy Serur and Ibrahim M. Abd El-Razek. *Efficacy of three synchronization protocols on the pregnancy rate in lactating dairy crossbred cows after fixed time artificial insemination*. *Asian Journal of Animal and Veterinary Advances*, **2016**, 11 (5): 288–295. [10.3923/ajava.2016.288.295](https://doi.org/10.3923/ajava.2016.288.295)
9. **Essam A. Almadaly**, Foad A. Farrag, Islam M. Saadeldin, Mohammed A. El-Magd and Ibrahim M. Abd El-Razek. *Relationship between total protein concentration of seminal plasma and sperm characteristics of highly fertile, fertile and subfertile Barki ram semen collected by electroejaculation*. *Small Ruminant Research*, **2016**, 144: 90–99. <https://doi.org/10.1016/j.smallrumres.2016.07.023>
10. Nabil Mansour, **Essam Almadaly**, Aly Karen and Adel Ramoun. *Schistosomus Reflexus fetus in a cross-breed Egyptian cow: A case report*. *Global Veterinaria*, **2017**, 18 (2): 105–107. [10.5829/idosi.gv.2017.105.107](https://doi.org/10.5829/idosi.gv.2017.105.107)
11. **Essam A. Almadaly**, Mohamed E. El-Sharawy, Mostafa S. Atta, Foad A. Farrag, Mahmoud S. Gewaily and Islam M. Saadeldin. *Desalted and lyophilized seminal plasma increases protein tyrosine-phosphorylation of frozen-thawed bull spermatozoa incubated with a cell-permeable cyclic AMP (cAMP) analog (cBiMPS)*. *Japanese Journal of Veterinary Research*, **2017**, 65 (3): 113–126. [10.14943/jjvr.65.3.113](https://doi.org/10.14943/jjvr.65.3.113)
12. **Essam A. Almadaly**, Foad A. Farrag and Nasr E. Nasr. *Protein and lipid species in seminal plasma and semen characteristics of fertile Holstein-Friesian bulls*. *Bulgarian Journal of Veterinary Medicine*, **2019**, 22 (1): 66–81. [10.15547/bjvm.2019](https://doi.org/10.15547/bjvm.2019)
13. Mustafa S. Atta, **Essam A. Almadaly**, Ali H. El-Far, Rasha M. Saleh, Doaa H. Assar, Soad K. Al Jaouni, Shaker A. Mousa. *Thymoquinone Defeats Diabetes-Induced Testicular Damage in Rats Targeting Antioxidant, Inflammatory and Aromatase Expression*. *International Journal of Molecular Sciences*, **2017**, 18: 919–933. <https://doi.org/10.3390/ijms18050919>



14. Nasr E. Nasr, Mostafa A. Elmadawy, **Essam A. Almadaly**, Walied Abdo, Mona M. Zamel. *Garlic protective effect against apoptosis in Lead-Induced Testicular Toxicity in Adult Male Rats*. **Alexandria Journal of Veterinary Science**, 2017, 54 (1): 70–78. [10.5455/ajvs.268149](https://doi.org/10.5455/ajvs.268149)
15. Khairy M. El-Bayomi, Ayman A. Saleh, Ashraf Awad, Mahmoud S. El-Tarabany, Hadeel S. El-Qaliouby, Mohamed Afifi, Shymaa El-Komy, Walaa M. Essawi, **Essam A. Almadaly** and Mohammed A. El-Magd. *Association of CYP19A1 gene polymorphisms with anoestrus in water buffaloes*. **Reproduction, Fertility and Development**, 2018, 30: (3) 487–497. <https://doi.org/10.1071/RD16528>
16. Islam M. Saadeldin, Ayman Abdel-Aziz Swelum, Aaser M. Abdelazim, **Essam A. Almadaly**. *Effect of Kisspeptin on the developmental competence and early transcript expression in porcine oocytes parthenogenetically activated with different methods*. **BioMed Research International**, 2018, 1–10. <https://doi.org/10.1155/2018/3693602>
17. Foad A. Farrag, Samah A. Lashein, **Essam A. Almadaly**, Mahmoud S. Gewaily, Mustafa S. Atta, Tarek K. Abo-Zaid, Mohamed A. Kassab. *Morphological and Immunohistochemical Study on the Testis of Brown-Banded Bamboo Shark (Chiloscyllium punctatum)*. **Alexandria Journal of Veterinary Science**, 2018, 57 (1):126–134. [10.5455/ajvs.296408](https://doi.org/10.5455/ajvs.296408)
18. Reza Rajabi-Toustani, Quzi Sharminakter, **Essam A. Almadaly**, Yoichiro Hoshino, Hiromichi Adachi, Koushi Mukoujima, Tetsuma Murase. *Methodological improvement of fluorescein isothiocyanate peanut agglutinin (FITC-PNA) acrosomal integrity staining for frozen-thawed Japanese Black bull spermatozoa*. **Journal of Veterinary Medical Science**, 2019, 81 (5):694–702. <https://doi.org/10.1292/jvms.18-0560>
19. A.I. Ja'afaru, **Essam A. Almadaly**, M. Shukry, Shawky Mahmoud, M.F. Saad, A.A. Husain. *Electrocardiographic, endocrine and biochemical stress indices of electroejaculated Egyptian Baladi goat bucks*. **Small Ruminant Research**, 2019, 173: 74–80. <https://doi.org/10.1016/j.smallrumres.2019.02.013>
20. **Essam A. Almadaly**, Fady S. Tawfik, Ismail I. El-Kon, Bassiouni A. Heleil, El-Sayed M. Fattouh. *Effect of different cryoprotectants on the post-thaw sperm characteristics and in vivo fertility of Buffalo (Bubalus bubalis) bull semen*. **Slovenian Veterinary Research**, 2019, 56 (Suppl; 22): 541–551. <http://dx.doi.org/10.26873/SVR-792-2019>



21. Adel A. Ramoun, Ismail I. EL-Kon, **Essam A. Almadaly**, Aly M. Aly and Hasballah A. Abo EL-Ghate. *Assessment the synchrony between uterine status and hormonal profiles in modified ovsync protocols in relation to fertility in buffaloes*. **Slovenian Veterinary Research**, 2019, 56, (Suppl; 22): 579–588. <http://dx.doi.org/10.26873/SVR-795-2019>
22. Adel A. Ramoun, **Essam A. Almadaly**, Hamdy A. Hattab, Samy A. Darwish and Ismail I. EL-Kon. *Transrectal ultrasonography and rectal palpation for judging uterine and cervical involutions in Buffalo: A comparative study*. **Slovenian Veterinary Research**, 2019, 56, (Suppl; 22):239–248. <http://dx.doi.org/10.26873/SVR-763-2019>
23. Ayman S. Atiba, Alaa Ghazy, Foad A. Farrag, Mohammed A. El-Magd, **Essam A. Almadaly**. *Ultrasound-guided brachial plexus nerve block in Donkeys*. **Slovenian Veterinary Research**, 2019, 56, (Suppl; 22): 7–14. <http://dx.doi.org/10.26873/SVR-739-2019>
24. **Essam A. Almadaly**, Mohey A. Ashour, Ismail I. El-Kon, Bassiouni A. Heleil. *Traditional and non-traditional methods used for discrimination among Ossimi rams with different field fertility*. **Small Ruminant Research**, 2019, 179: 30–38. <https://doi.org/10.1016/j.smallrumres.2019.09.003>
25. Mahmoud S. Gewaily, Mohamed Kassab, Foad A. Farrag, **Essam A. Almadaly**, Mustafa S. Atta, Ahmed Abd-Elmaksoud, Tomohiko Wakayama. *Comparative expression of cell adhesion molecule1 (CADM1) in the testes of experimental mice and some farm animals*. **Acta Histochemica**, 2020, 122 (*In press*). <https://doi.org/10.1016/j.acthis.2019.151456>
26. Mustafa S. Atta, Foad A. Farrag, **Essam A. Almadaly**, Hanan A. Ghoneim, Ahmed S. Hafez, Soad K. Al Jaouni, Shaker A. Mousa, Ali H. El-Far. *Transcriptomic and biochemical effects of pycnogenol in ameliorating heat stress-related oxidative alterations in rats*. **Journal of Thermal Biology**, 2020, 93 (*In press*). <https://doi.org/10.1016/j.jtherbio.2020.102683>
27. **Essam A. Almadaly**, Mohey A. Ashour, Mohamed S. Elfeky, Mahmoud S. Gewaily, Doaa H. Assar, Inas M. Gamal. *Seminal plasma and serum fertility biomarkers in Ossimi rams and their relationship with functional membrane integrity and morphology of spermatozoa*. **Small Ruminant Research**, 2021, 196 (*In press*). <https://doi.org/10.1016/j.smallrumres.2021.106318>



28. Mohamed E. El-Sharawy, **Essam A. Almadaly**, Wael B. El-Domany, Mohamed M. Essawy, Shrief M. Shamiah, Ibrahim S. El-Shamaa, Helmy K. Zaghloul. *Ultrastructural changes in immature ovine cumulus-oocyte complexes vitrified in conventional and open pulled straws*. **Small Ruminant Research**, **2021**, 199 (*In press*).
<https://doi.org/10.1016/j.smallrumres.2021.106367>
29. Ahmed M. Fawzy, Sally Ibrahim, Karima Mahmoud, Bassiouni A. Heleil, I. El-Kon Ismail, **Essam A. Almadaly**, Mohammed A. El-Magd and Adel A. Ramoun. *Differential molecular and hormonal changes in oocytes, granulosa cells and follicular fluid of pregnant and non-pregnant camels*. **Zygote**, **2021**, 29: 427–434. <https://doi.org/10.1017/S096719942000091X>
30. Ahmed M. Fawzy, Sally Ibrahim, Karima Mahmoud, Bassiouni A. Heleil, Ismail I. El-Kon, **Essam A. Almadaly**, Adel A. Ramoun. *Gene expression profiles in the oocyte and granulosa cells and concomitant follicular fluid steroid hormone concentrations in pregnant versus non-pregnant she-camels*. **Small Ruminant Research**, **2021**, 204 (*In press*).
31. Mahmoud S. Gewaily, Mohamed Kassab, Asmaa Aboelnour, **Essam A. Almadaly** and Ahmed E. Noreldin. *Comparative Cellular Localization of Sugar Residues in Bull (Bos taurus) and Donkey (Equus asinus) Testes Using Lectin Histochemistry*. **Microscopy and Microanalysis**, **2021**, 27: 1529–1538. <https://doi.org/10.1017/S1431927621012939>
32. **Essam A. Almadaly**, Abdel-Basaer S. Abdel-Salam, Ferial M. Sahwan, Khaled A. Kahilo, Tarek K. Abouzed and Wael B. El-Domany. *Fertility-associated biochemical components in seminal plasma and serum of buffalo (Bubalus bubalis) bulls*. **Frontiers in Veterinary Science**, **2022**, 9: (*In Press*) <https://doi.org/10.3389/fvets.2022.1043379>
33. **Essam A. Almadaly**, Ibrahim M. Ibrahim, Maha S. Salama, Mohey A. Ashour, Ferial M. Sahwan, Ismail I. El-Kon, Tarek K. Abo-Zaid, and Wael B. El-Domany. *Effect of platelet-rich plasma (PRP) on post-thaw quality, kinematics and in vivo fertility of fertile and subfertile buffalo (Bubalus bubalis) spermatozoa*. **Veterinary Research Communications**, **2023** (*In Press*).
34. A.E. Abdel-Khalek, M.M. El-Maghraby, Zizy I. Elbialy, Rasha A. Al wakeel, **Essam A. Almadaly**, M.Shukry, A.A. El-Badawy, H.K. Zaghloul, Doaa H. Assar. *Mitigation of endogenous oxidative stress and improving growth, haemato-biochemical parameters, and*



reproductive performance of Zaraibi goat bucks by dietary supplementation with *Chlorella vulgaris* or/and vitamin C. **Tropical Animal Health and Production**, 2023 (*In Press*)
<https://doi.org/10.21203/rs.3.rs-2388716/v1>

35. Essam A. Almadaly, Ferial Sahwan, El Domany Wael B, Ahmed M. Fawzy, Mustafa Shukry, Foad Farrag. *Comparison of estrus response and subsequent fertility following estrus synchronization with six protocols in Ossimi ewes during the early summer season*. **Veterinaria Mexico OA**, 2023, 10: (*In Press*). <https://doi.org/10.22201/fmvz.24486760e.2023.1058>

VII- International conferences:

- 1- **Essam Almadaly**, Koushi Mukoujima, Takuya Ueda, Youichirou Hoshino, Ismail El-kon, Mostafa Shukry, Foad Farrag, Masaki Takasu, Bassiouni Heleil, El-Sayed Fattouh and Tetsuma Murase: *Effects of seminal plasma on post-thaw quality and function of Japanese Black bull spermatozoa*. The 156th Annual International Scientific meeting of the Japanese Society of Veterinary Science held on September 20th–22nd–2013, Gifu University, Japan.
- 2- **Essam Almadaly**, Y. Akemi, Foad Farrag, Mostafa Shukry and Tetsuma Murase: *Protein and Lipid species of seminal plasma and semen characteristics in Holstein bulls*. The 9th International Symposium on Reproduction in Domestic Ruminants held in Obihiro, Hokkaido, Japan, August–2014.

VIII- Skills and training programs:

- ❖ Holding an **ICDL certificate** from nearly 15 years ago.
- ❖ Holding international **TOEFL certificate** from IBC, Tanta branch on 21st–February–2009.
- ❖ Obtaining several training programs of **FLDP** and **IFLDC** such as:
 - *Methods of Scientific Research.*
 - *Effective Communication Skills.*
 - *Effective Presentation Skills.*
 - *Thinking.*
 - *Methods of Education.*
 - *Time and meeting management.*
 - *Use of Technology in Teaching.*
 - *Legal Aspects of Universities.*
 - *Evaluation of Teaching.*
 - *How to design a research project.*
 - *E. Learning.*
 - *Competitive Research Projects.*



- Occupation Ethics.

- ❖ Obtaining several training programs of **ICTT** such as SPSS and application of regulations and control subjects.
- ❖ Holding the university prize for the **International Scientific Publication on 4/2013** (**one paper**).
- ❖ Holding the university prize for the **International Scientific Publication on 4/2015** (**one paper**).
- ❖ Holding the university prize for the **International Scientific Publication on 5/2016** (**two papers**).
- ❖ Holding the university prize for the **International Scientific Publication on 5/2017** (**two papers**).
- ❖ Holding the university prize for the **International Scientific Publication on 5/2018** (**one paper**).
- ❖ Holding the university prize for the **International Scientific Publication on 5/2019** (**one paper**).
- ❖ Holding the university prize for the **International Scientific Publication on 5/2020** (**two papers**).
- ❖ Holding the **University Encouragement Award** for the academic year 2019/2020 (Medical Sciences).
- ❖ Holding the university prize for the **International Scientific Publication on 5/2021** (**three papers**).
- ❖ Participant in the **3rd Scientific Conference of the Faculty of Veterinary Medicine, Kafrelsheikh University from 10th to 12th–May–2009.**
- ❖ Participant in the **Scientific Symposium entitled "recycling the household wastes" hold in the Faculty of Veterinary Medicine, Kafrelsheikh University on 21st–February–2012.**
- ❖ Participant in the **Scientific Symposium entitled "Disease problems in fish farms of Kafrelsheikh Governorate" hold in the Faculty of Veterinary Medicine, Kafrelsheikh University on 18th–May–2014.**
- ❖ Participant in the **Scientific Symposium entitled "Parasitic problems in poultry farms" hold in the Faculty of Veterinary Medicine, Kafrelsheikh University on 19th–April–2015.**



- ❖ Lecturer in the workshop entitled "Uses of Ultrasound in the diagnosis of infertility problems in farm animals" from **14th to 16th–September–2015**.
- ❖ Participant in the Scientific Symposium entitled "New trends in the feeding of high lactating dairy cows during pre and post-partum period in the 21st century" hold in the Faculty of Veterinary Medicine, Kafrelsheikh University on **27th–October–2015**.
- ❖ Participant in the Scientific Symposium entitled "Artificial insemination between reality and hope" hold in the Faculty of Veterinary Medicine, Kafrelsheikh University on **24th–February–2016**.
- ❖ Participant in the 4th Scientific Conference of the Faculty of Veterinary Medicine, Kafrelsheikh University on 12th to 14th–May–2016, Alexandria, Egypt.
- ❖ Participant in the Scientific Symposium entitled "Brucellosis between human and animal" hold in the Faculty of Veterinary Medicine, Kafrelsheikh University on **8th–November–2016**.
- ❖ Participant in the 5th Scientific Conference of the Faculty of Veterinary Medicine, Kafrelsheikh University on 5th–9th–March–2019, Hurghada, Egypt.
- ❖ Participant in the 6th Scientific Conference of the Faculty of Veterinary Medicine, Kafrelsheikh University on 17th–21st–November–2021, Hurghada, Egypt.