

Curriculum Vitae-Nabil Mansour

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EDUCATION AND QUALIFICATIONS:

- May 2007 **Habilitation in Reproductive Biology**, Faculty of Natural Sciences, University of Salzburg, **Austria**.
- 2004-2006 **Post-doctoral** fellow in Department of Health Management, Atlantic Veterinary College, University of Prince Edward Island, PEI, **Canada**
- Sept. 2003 **Doctorate** in Veterinary Medical Sciences, In the field of reproductive biology and new reproductive technologies from Veterinary Medicine University of Vienna, **Austria**.
- May 1996 **Master** of Veterinary Medical Sciences (MVSc), Veterinary Gynaecology, Obstetrics and Artificial insemination, Faculty of Veterinary Medicine Kafr El-Sheikh, Tanta University, **Egypt**.
- May 1991 **Bachelor** of Veterinary Medical Science (BVSc.), Faculty of Veterinary Medicine Zagazig University, **Egypt**.

WORK EXPERIENCE AND SCIENTIFIC ACTIVITIES

CURRENT STAY WITH FAMILY IN UAE

- 2020-May 2022 **Al-Taiba Farms, Scientific Veterinary Manager, Raibal Co. Al-Fujairah, UAE.** Managing the farm in aspect of daily veterinary work, managing all the breeding programs and the reproductive laboratory in application of many new reproductive technologies such as *in-vitro* fertilization, semen cryopreservation, artificial insemination, embryo transfer and cloning projects. Additionally, control and supervise treatment of the diseased animals and the vaccination programs inside the farm. Also, share in designing and development the new Fujairah Research Center (FRC) belonging to the government of Fujairah. Also, incorporated in the design of the new aquaculture projects in Emirate of Fujairah.
- 2017-2020 **Head of Veterinary and Camel Reproduction Unite:** Emirates Camel Smart Center, Umm Al-Qwain, UAE. Treatment of camel infertility cases and applying of new reproductive technologies such as embryo transfer, semen collection, extension and cryopreservation, and embryo cryopreservation. Supervise and management of all working team from veterinarians, assistants and workers in the department. Assisting in strategy and development plans for the center.
- 2013- 2017 **Consultant in animal reproduction:** Aljazeera Veterinary Research Center, Al-Ain, Abu Dhabi, P.O.Box 99912. Doing research on camel reproductive technologies as embryo transfer, semen collection, extension and cryopreservation, and embryo cryopreservation.

- 2012-2013 **Associate professor:** Department of Theriogenology. Faculty of Veterinary Medicine, Kafr Elsheikh University, Egypt. Teaching animal reproductive and theriogenology courses for undergraduate students, supervise and help in research of postgraduate students.
Research Officer for the veterinary medicine, aquaculture and fisheries in Science, Technology & Innovation Funding Authority (STDF), Egyptian Academy of Science, Ministry of higher Education. Evaluate, supervise and follow up the research grants related to the fields of veterinary medicine, aquaculture and fisheries sciences granted to all universities and research institutes in Egypt. Also, participate and control EU joint scientific projects between Europe and Egypt, as a Mediterranean country.
- 2006- 2011 **1- Post-doc and Priv. Doz. (equivalent to associate professor):** Department of Organismic Biology, Salzburg University, Hellbrunnerstr. 34, A-5020 Salzburg, Austria. Did scientific research on different fields of reproductive biology of fish and wild life with different techniques in gamete quality and propagation. Establishment of a practical scientific cooperation with many private aquaculture sectors and farms in Austria in helping fish propagations and control of aquatic diseases. As a veterinarian, helped the hatchery staff of Kreuzstein in diagnosis and control of some fish diseases in cooperation with Dr. Thomas Weissman, Institut für Gewässerökologie und Fischereiwirtschaft, in Scharfling. Did many reproductive experiments in Kreuzstein in cooperation with Mr. Manfred Kletzl and all the hatchery staff. Helped Dr. Franz Lahnsteiner in the design and the work flow of a Ph.D. thesis of the veterinarian Dr. Ghada Hafez in the field of fish diseases and health. Participated in supervising and directing post-graduate students. Taught and helped in teaching of animal reproductive biology courses in University of Salzburg.
2- Vice president for scientific board of Fisch-Gen-Datenbank Stiftung (Fish-Gene-Data bank foundation), Germany; Living Earth Project (LEAP 01), Sandbergstr. 16a, D-08112 Wilkau-Haßlau, Germany; <http://www.leap01.de> and <http://www.leap01.de/deu/> ; Did some scientific research work to protect the endangered fish and aquatic animal species.
- 2004-2006 **Post-doctoral fellow and a secondary teaching assistant** position in Department of Health Management, Atlantic Veterinary College, University of PEI, Charlottetown, Prince Edward Island, C1A 4P3, CANADA. Duties: did scientific research in cooperation with DFO (Department of Fisheries and Ocean) and the universities of New Brunswick and Dalhousie, Canada. Also, supervised and trained some M.Sc. and summer students.
- 2003-2004 **Lecturer of Theriogenology**, Faculty of Veterinary Medicine, Kafr El-Sheikh, Tanta University, Egypt. Taught Theriogenology courses for Veterinary medicine students, supervised both postgraduate students and Theriogenology residents in the veterinary medicine hospital.
- 1999-2003 **Ph.D. student and teaching assistant** in Institute for Zoology, Salzburg University and Institute of Fish and Bees Research, University of Vienna Veterinary Medicine, Austria. Did scientific research in cooperation with Austrian fisheries, and helped in practical teaching of reproductive biology and physiology courses.
- 1993-1999 **Demonstrator and assistant lecturer** in Department of Theriogenology, Faculty of Veterinary Medicine, Tanta University. Helped in teaching the practical courses of Theriogenology, did scientific research and worked as a Theriogenology resident in the veterinary medicine hospital.

AWARDS

- 2003 Best Doctoral Thesis 2003, Vet. Med. University of Vienna, from Egyptian Ministry of higher Education.
- 2020 Best Researcher Award, VGood Technology Factory international association.

FELLOWSHIPS

- 2004-2006 Postdoctoral fellow at University of Prince Edward Island, Canada.
 1999-2003 Egyptian Ministry of Higher Education to study my Ph.D. abroad.

LANGUAGES

English, German, Arabic (mother tongue)

TEACHING ACTIVITIES AND SUPERVISION

- 2011-2103 -Taught Theriogenology courses (Gynaecology, Andrology, Obstetrics and Artificial insemination) for the 4th and 5th grade students in Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.
- 2006-2011 -Taught the courses of *Reproductive biology in domestic animals*, Faculty of Natural Sciences, University of Salzburg, Austria.
 - Supervised three master and two Ph.D. students at University of Salzburg.
- 2004-2006 -helped in teaching of *Theriogenology of large Animals* at Atlantic Veterinary College, PEI University, Canada
 - supervised one master student at University of PEI, Canada and trained many summer students.
- 2003-2004 - taught the *Theriogenology* course for under graduate students, Faculty of Vet. Med. Tanta University, Egypt.
 -supervised two master students and the Theriogenology residents in the veterinary medicine hospital.
- 1993-1999 -taught the Practical part of the *Theriogenology* course for under graduate students, Faculty of Vet. Med. Tanta University, Egypt.

PARTICIPATION IN INTERNATIONAL ORGANIZATIONS

- 1- Vice president of fish gene-data bank foundation Germany: <http://www.leap01.de/eng/index.htm>
- 2- One of the advisory committee of amphibian bio-banking, Amphibian ark which belonging to IUCN: <http://aark.portal.isis.org/Biobanking/Lists/Biobanking%20contacts/AllItems.aspx>
- 3- Member of **European Aquaculture Society**.
- 4- Member of Veterinary Medicine syndicate, ARE and UAE.

PARTICIPATION IN THE SCIENTIFIC BOARD OF INTERNATIONAL JOURNALS

- Scientific peer reviewer in many international scientific journals such as Aquaculture, Aquaculture Research, Journal of applied Ichthyology, Theriogenology, Animal Reproduction Science, Emirates Journal of Food and agriculture, etc.

INTERNATIONAL WORKING NETWORK AND COLLABORATIONS

I have a good scientific collaboration with:

- Prof. Dr. Mary McNiven and Prof. Dr. Gavin Richardson, Atlantic Veterinary College, University of Prince Edward Island, Canada.
- Prof. Dr. Andrzej Ciereszko, Institute of Animal Reproduction and Food Research, Polish Academy of Sciences, 10-747 Olsztyn, Tuwima 10, Poland.
- Prof. Dr. Konrad Dabrowski, School of Environment and Natural Resources, College of Food, Agricultural, and Environmental Sciences, Ohio State University, USA.
- Prof. Dr. Bela Urbanyi and Dr. Akos Horvath, Department of Fish Culture, Szent Istvan University, Pater K. u. 1., Gödöllo, H-2103, Hungary.

EXPERIENCES/SKILLS**1- Animal reproductive techniques**

- Experience in animal reproductive biology, Gynaecology and Obstetrical diseases and handling.
- Experiences in modern reproductive technologies such as IVF, Embryo transfer, semen extension and freezing.
- As a world-wide specialist, have good experiences in sperm and cell cryobiology and building diluents and extenders.
- Experience in diagnosis and treatment of reproductive disorders in both male and female animals, in addition to treatment of other different bacterial, viral and parasitic diseases.

2- Fish reproduction, hatching, propagation and larval quality assessment

- Experience in fish reproduction and environmental reproductive ecology, control of reproduction in fish through monitoring light and temperature regime and hormonal stimulation.
- Experience in developing a hatching programme for many not easy to be hatched fish species under the hatchery conditions.
- Experience in gamete (spermatozoa and eggs) quality determination by morphological, physiological and biochemical tests.
- Experience in sperm and egg physiology, biochemistry and metabolism, short term sperm preservation and cryopreservation, and consequently, establishment of gene banks.
- Experience in larval feeding, keeping and quality assessment.
- Experience in effect of environmental pollutants on fish reproduction and gamete quality.

3- Physiological, biochemical and genetic techniques

- Experience in quantitative chemical assays as HPLC (high pressure liquid chromatography), chemical metabolite analysis, enzymatic analysis and spectrophotometric assays.
- Experience in qualitative chemical assays as chromatography and gel electrophoresis.
- Experience in scanning and transmission electron microscopy.
- Experience in serological techniques as radioimmunoassay (RIA) ELISA, and genetic nucleic acid determination by PCR.

3- Diagnosis of animal and fish diseases

Experience in diagnosing of animal diseases and identifications of disease born micro-organisms by:

- Doing anti and post-mortem investigations and identification of the characteristic lesions for each disease born micro-organism.
- Histo-pathological investigation to identify the micro-pathological alterations caused by the micro-organism.
- Application of bacteriological culturing, identification and serological tests.
- Doing parasitological examination: for example, in case of ecto-parasites applying direct examination of skin scrapping specimens under the microscope (eg lice, worms and some protozoa) and hisopathological alterations of the infected organs.
- In case of viral infections: anti and post-mortem investigations followed by serological tests as ELISA and viral identification using PCR.

4- Control and increase in the quality of fish and sea food products

- Knowledge of international quality control standards (EU and North American standard regulations).
- Experiences in the laboratory tests to determine the levels of the drug and chemical residues in fish and sea food products.
- Aware with withdrawal time and the permissible levels of different drugs, especially steroid hormones and antibiotics in fish fillets.
- Aware with feeding and management methods to increase the quality of fish production. For example: addition of antioxidant derivatives to the fish diet to increase the quality and marketability of fish products.

5-Teaching skills

I have good experiences to manage the lectures and a complete course. I am always using the following strategies during my teaching:

- a- In the first lecture of a course, I am giving the students a short summary about the course and explaining the benefits and the outcome from this course. During this lecture, make an open discussion with the students. During this discussion, I am trying to stimulate their interest. This is very important, because stimulation of their interest will enhance their understanding and it is a more convincing way. Always, making an open discussion with the students, from this discussion, they can participate with their opinions and they can participate and give new ideas.
- b- For each lecture, I am making an outline or a simple graph in the power point and go step by step from this outline. I am trying, to make the lecture in a coherent manner that the students can follow up me easily.
- c- Throughout the course, I am checking regularly a prompt feedback about the student performance in my course. This is can by done by regular discussion with the students and make them active in the lecture. Not just to listen to me, by this way I can discover their difficulties and help them more in the next lectures and make the course more interesting.
- d- During the course, as a kind of follow up, I am doing some regular assignments. By this way, the students are updated working in the course. Additionally, from these assignments, I will realize the degree of understanding level of the students and I can explain more in the next lectures of this course. By these assignments, I encourage the cooperation between the students and sharing their ideas together and encourage each other.
- e- For presentation, I am always doing very interesting power point presentation with some animation and videos. That kind of presentation facilitates the method of explanation and more easy to be understandable. Additionally, beside the presentation, it is more valuable if the student can watch these techniques and do it practically in the laboratory or in fish farms. By this way, the teaching method is more efficient and reliable.
- f- During the course, I am also open in communication with students by asking them about the course follow up. This is to avoid unnecessary or undesirable assignments and increase more the practical part. I am always interesting and wanting to increase the practical part because this is always more understandable and easy to recognize by the students

6- Management experience***A-Staff:***

Experience in managing labs through directing and follow up the work of technicians, postgraduate and summer students.

- From 2003-2004: managing Theriogenology Veterinary hospital through controlling the work of the staff, veterinary assistants and Theriogenology residents. Control their working hours and their duties.
- From 2004-2005: I was the only post-doctoral assistant for Prof. Dr. M. McNiven (professor of animal nutrition) and Prof. Dr. G. Richardson (professor of animal reproduction and theriogenology). I was managing two labs by supervising and follow up the working staff and students.
- 2006-2011: directing, supervising and helping under and postgraduate students and managing the staff worked in our projects.
- Current: Direction and supervision of young veterinarians and technicians in animal reproductive technologies such as embryo transfer, semen collection, semen preservation and cryopreservation, in Vitro fertilizations..etc.

B-Budget:

Experience in managing project budget through: ordering of equipments, chemicals and the work requirements within the range of budgetary limits.

- In Canada, I was controlling most of my projects and write the regular reports about the done work and the new required materials to follow up the work.
- 2006-2011, managed my projects by ordering equipments, chemicals and control the payment of working hours for the technicians and helping staff within this project.

C- Project work:

Experience in controlling all the project work through: schedule work, set priorities, judge the results, write the regular and final reports, and able to meet dead line.

7- Planning, arranging and writing scientific projects

Experience in writing projects and arranging the work between the collaborative institutions through meetings and establishment the next working steps.

8- Data analysis and writing scientific publication

- Experience in doing scientific research, evaluation of the data, summarization and evaluation of the data using different statistical programmes as SPSS and Stata, presentation of the data and writing high quality international scientific publications.
- Experience in presentation of the data during meetings, seminars and scientific conferences (by a lecture or poster presentation) and discussion with other scientists on the current and further experiments.

9 - Personal capabilities

- Independent, enthusiastic, highly motivated and able to take initiative.
- Reliable, persuasive and able to work independently as well as a team member.
- Understanding and easy to learn.

REFERENCES

- **Prof. Dr. Gavin F. Richardson**, Professor of Large Animal Theriogenology, Department of Health Management, Atlantic Veterinary College, Prince Edward Island University, 550 University Avenue, Charlottetown, C1A 4P3, Canada. E.mail: grichardson@upei.ca Tel. +1-902-566-0519; Fax: +1-902-566-0823. Cell phone: +1-(902) 9402954.
- **Prof. Dr. Mary A. McNiven**, Department of Health Management, Atlantic Veterinary College, Prince Edward Island University, 550 University Avenue, Charlottetown, C1A 4P3, Canada. E.mail: mcniven@upei.ca Tel. +1-902-566-0817; Fax: +1-902-566-0823
- **Univ. Prof. Dr. Franz Lahnsteiner**, Abteilungsleitung Fischereibiologie und Aufzuchtforchung; Leitung Referat Fischzucht Kreuzstein, Scharfling 18, 5310 Mondsee, Austria. E. mail: franz.lahnsteiner@baw.at : Tel. +43 (0) 6232 3847 - 20; Fax: +43-6232 3847-33. Cell phone: +43-6769534290.
- **Univ. Prof. Dr. Robert A. Patzner**, Department of Organismic Biology, University of Salzburg, Hellbrunnerstr. 34, A- 5020 Salzburg, Austria. . E. mail: robert.patzner@sbg.ac.at Tel. +43-662-8044-5619; Fax: +43-662-8044-5698.
- **Prof. Dr. Mahmoud Sakr**. President, Academy of Scientific Research and Technology, ASRT, 101 Kasr Al-Eini, Cairo, Egypt, E-mail: m.sakr@asrt.sci.eg, Mahmoud.sakr@stdf.org.eg, Office tel: +202 279 212 89, Cell phone: +20-1001771691.
- **Prof. Dr. Maged El-kemary**. President of Kafrelsheikh University, E-mail : elkemary@yahoo.com. Tel.: +20-47-3221193 (work), Fax: +20-47-3223419. Cell phone: +20-100 297 421.

A) INTERNATIONAL SCIENTIFIC PUBLICATIONS

Mansour N. (submitted). A novel, patented method for semen collection in dromedary camel (*Camelus dromedarius*). **Reproduction in Domestic Animals**.

Mansour N., Korshunov V.M., Pankajakshan P. (submitted) Success of captive breeding and a hormonal trial to increase the reproductive efficacy of Arabian Tahr, *Arabitrgus jayakari*. **Emirates Journal of Food and Agriculture**

Mansour N. (2022). Semen collection from dromedary camel bulls, methodology and a new patented approach. ICAR 2020+2 Satellite Meeting on Camelid Reproduction to be held at the University of Bologna, Italy.

Mansour N., El-Ramah A., Silveira M.C., Bernardes L.A.M. (2022). An easy, safe, and practical method for semen collection in the dromedary camel (*Camelus dromedarius*). **Emirates Journal of Food and Agriculture** 34(4): 339-345. doi: [10.9755/ejfa.2022.v34.i4.2850](https://doi.org/10.9755/ejfa.2022.v34.i4.2850)

Mansour N., Karen A., (2021). Ovarian inactivity in female dromedary camels. **Emirates Journal of Food and Agriculture** 33(2): 171-177. <https://doi.org/10.9755/ejfa.2021.v33.i2.2574>

Karen A., Mansour N. (2020) Factors affecting pregnancy rates and pregnancy losses after embryo transfer in dromedary camels. **Animal Reproduction Science** <https://doi.org/10.1016/j.anireprosci.2020.106580>

Browne R.K., Silla A.J., Upton R., Della-Togna G., Marcec-Greaves R., Shishova N.V., Uteshev V.K., Proaño B., Pérez O.D., Mansour N., Kaurova S.A., Gakhova E.N., Cosson J., Dyzuba B., Kramarova L.I., McGinnity D., Gonzalez M., Clulow J., Clulow S. (2019). Sperm collection and storage for the sustainable management of amphibian biodiversity. **Theriogenology** 133:187-200. DOI: [10.1016/j.theriogenology.2019.03.035](https://doi.org/10.1016/j.theriogenology.2019.03.035)

Mansour N., Almadaly E., Karen A., Ramoun A. (2017). Schistosomus Reflexus Fetus in A Cross-Breed Egyptian Cow: A Case Report. **Global Veterinaria** 18 (2): 105-107. DOI: [10.5829/idosi.gv.2017.105.107](https://doi.org/10.5829/idosi.gv.2017.105.107)

Almadaly E., Mansour I., Mansour N., Karen A., Serur B., Abd El-Razek I.M. (2016). 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** 11 (5): 288-295. DOI: [10.3923/ajava.2016.288.295](https://doi.org/10.3923/ajava.2016.288.295)

Kunz F.A., Lahnsteiner J., Mansour N., Schuster D.S., Zinterhof P., Lahnsteiner F. (2015). A high-throughput strategy to controlled thawing of cryopreserved fish semen for large-scale laboratory fertilization trials- a simulation approach. **Journal of Applied Ichthyology** 31 (1): 108-113. DOI: [10.1111/jai.12742](https://doi.org/10.1111/jai.12742)

Browne R.K., Kaurova S.A., Uteshev V.K., Shishova N.V., McGinnity D., Figiel C.R., Mansour N., Agnew D., Wu M., Gakhova E.N., Dzyuba B., Cosson J. (2015). A review: Sperm motility of externally fertilizing fish and amphibians **Theriogenology** 83(1):1-13. <https://doi.org/10.1016/j.theriogenology.2014.09.018>

- Abdel-Hafez G., Lahnsteiner F., Mansour N., Licek E. (2014). Pathophysiology of *Ichthyophthirius multifiliis* infection in rainbow trout (*Oncorhynchus mykiss*) and chub (*Leuciscus cephalus*). **Journal of Comparative Pathology** 151(4):394-399. <https://doi.org/10.1016/j.jcpa.2014.08.003>
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- Lahnsteiner F., Mansour N., Kunz F. A. (2011). The effect of antioxidants on the quality of cryopreserved semen in two salmonid fish, the brook trout (*Salvelinus fontinalis*) and the rainbow trout (*Oncorhynchus mykiss*). **Theriogenology** 76 (5), 882-890. DOI: [10.1016/j.theriogenology.2011.04.019](https://doi.org/10.1016/j.theriogenology.2011.04.019)
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- Mansour N., Lahnsteiner F., Patzner R.A. (2011). Collection of gametes from live axolotl, *Ambystoma mexicanum*, and standardization of *in-vitro* fertilization. **Theriogenology** 75, 354-361. DOI: [10.1016/j.theriogenology.2010.09.006](https://doi.org/10.1016/j.theriogenology.2010.09.006)
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