

Curriculum Vitae

Name: Abd El-Nasser Ahmed Mohammed

Title : Associate Professor

Department: Animal Production and Poultry

Faculty: Agriculture

University: Assiut

Country: Egypt

Tel: 002 01007357348

002 088 9202713

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<u>Name:</u>	First Abd El-Nasser	Middle Ahmed	Surname Mohammed	Ahmed	
<u>Date of birth:</u>	8 /11/1970				
<u>E-mail address:</u>	elnasser@aun.edu.eg elnasser70@yahoo.com elnasser70@hotmail.com				
<u>Tel:</u>	<u>002 01063539006</u>	<u>002 01007357348</u>	<u>002 088 9202713</u>		
<u>Personal status:</u>	Married				
<u>Nationality:</u>	Egyptian				
<u>Position:</u>	Assistant Professor in Animal and Poultry Production Department, Faculty of Agriculture, Assiut University, Egypt.				
<u>Education:</u>	1989- General Secondary Education Certificate.				
	1992- Bachelor of Agriculture Sciences (Animal Production – grade excellent with honor) obtained from Animal Production Department, Faculty of Agriculture, Assiut University, Egypt.				
	1998- Master of Sciences entitled "Iodine supplementation to lambs rations and their effects on growth performance and carcass quality" obtained from Animal Production Department, Faculty of Agriculture, Assiut University, Egypt.				

	2006 – Ph.D. entitled “Developmental competence of immature mammalian oocytes reconstructed with embryonic/somatic nuclei” obtained from Experimental embryology Department, Institute of Animal Genetics and Breeding, Polish Academy of Sciences, Poland.
Computer skills	<u>I. Training in information and communication technology project in Assiut University of the following courses:</u> 1- Concepts of information and communication technology 2- Using computers and managing files 3- Word processing 4-Spread sheets (Excel) 5- Introduction to personal computer(PC) maintenance and protection 6- Power points (Presentations) 7- Database (Access) 8- Information and communication 9- Graphics-Adobe Photoshop <u>II. International Computer Driving License (ICDL) certificate in 2009</u>
English proficiency	International TOEFL Certificate with total Score 220/300 and GRE certificate with total score more than 50%.
Teaching courses	1. Milk Production 2. Principle of nutrition 3. Endocrinology and adaptation 4. Physiology and Reproduction 5. Principles of Animal and Poultry Production 6. Animal Production and Genetics - The previous courses were given as practical exercises from 1994 to 2002 for undergraduate students of Agriculture and Veterinary Faculties 7. Manipulation on Mammalian and Avian Embryos (2005); Centre of Excellence in Genomics and Biotechnology Improving Functional Traits of Farm Animals and quality of their Products; Jastrzebiec, Poland. 8. Principles of Animal and Poultry Production 9. Physiology of Farm Animals 10. Endocrinology and Adaptation 11. Physiology of Animal Production 12. Physiology of Reproduction - The courses (8-12) were given as lectures from 2007 to 2011 for undergraduate students of Agriculture Faculty 13. Physiology of adaptation and heat regulation 14. Physiology of Reproduction and artificial insemination 15. Assisted Reproductive Technology in Mammals 16. Endocrinology and Adaptation

	The courses (13-16) were given as lectures and practical exercises from 2007 to 2012 for Postgraduate students of Agriculture Faculty
Supervision	1-Supervisor of Ph.D. thesis entitled " Effect of dietary urea on blood and follicular components and oocyte quality in sheep" which has been awarded in 06/07/2011 2- Supervisor of two M.Sc. thesis on nutritional physiology (follow up)
Courses and workshops of attendance	1- Atrificial Insemination and Embryo Transfer (Four weeks- 2002); Agriculture Research Centre Animal Production Research Institute International Livestock Management training Center Sakha, kfr El-Sheikh, Egypt. 2- Manipulation on Mammalian and Avian Embryos (Two weeks 2003); Centre of Excellence in Genomics and Biotechnology Improving Functional Traits of Farm Animals and quality of their Products; Jastrzebiec, Poland. The workshop included the principles of embryology and molecular biology. 3- Principles of Molecular Biology (September 2007). Department of Genetics, Faculty of Agriculture, Assiut University, Egypt. 4- Ten Courses (three days/course) of Faculty and Leadership Development Project – Ministry of Higher Education.
Conferences of attendance	1- The 10th conference of the Egyptian Society of Animal Production (Assiut University- December, 13-25th 1998). 2- The 8th Conference of the European Society for domestic Animal Reproduction (Warsaw –September 23-25th 2004). 3. The VIth International Conference of Genetics and Animal Breeding, Brno Czech Republic (May, 19th 2005). 4. The Biotechnology 2006, Scientific Redagogical Publishing, C. Budejovice, Czech Republic ISBN 8085645 – 53 – X, page 1117-1120. 5. The 1st conference of Junior Scientists – Faculty of Agriculture – Assiut University (April, 28th 2007). 6. The 2nd conference of Junior Scientists – Faculty of Agriculture – Assiut University (May, 6th 2008). 7. The 3rd conference of Junior Scientists – Faculty of Agriculture – Assiut University (April, 28th 2009). 8. The 4th conference of Junior Scientists – Faculty of Agriculture – Assiut University (April, 27th 2010). 9. The 6th International Conference on Rabbit Production in Hot Climates (January, 1-4th 2010). 10. The 5th conference of Agriculture Sciences - Faculty of Agriculture – Assiut University (October, 16-17th 2010). 11. The 15th conference of the Egyptian Society of Animal Production

	(Fayoum University- April, 13-28 th 2011).
Past Research and Achievements	<u>1. Effects of Iodine supplementation to lambs rations and their effects on growth performance and carcass quality.</u> During the study; animal performance, blood analysis and digestive tract and thyroid gland histological studies were explored. <u>2. In vitro production of bovine blastocysts</u> Cleavage dynamics and developmental competence of oocytes matured in the presence of randomly pooled follicular fluid were investigated. In the majority of fertilized oocytes, the first cleavage occurred between 27 and 30 hpi. However, the groups differed in the kinetics of cleavage. In fetal calf serum (FCS) group, the first cleavage was completed until 33 hpi, whereas in the bovine follicular fluid (bFF) group and bFF+FCS group first cleavage continued till 42 or 48 hpi. Moreover, oocyte maturation in the presence of randomly pooled follicular fluid increases bovine blastocyst yield in vitro (<u>Mohammed et al., 2005 J Animal and Feed Sciences, 14(3) : 501-512.</u> <u>3. Maturation and developmental competence of reconstituted oocytes upon embryonic/somatic nuclear transfer</u> The meiotic maturation of the reconstituted oocytes and their developmental competence after activation or IVF strongly were affected by the type of donor nuclei and their cycle stages as well as the type of recipient cytoplasts (<u>Mohammed et al., 2010 Cloning and Stem cells, 12(4): 427-435.</u>). It has been indicated that the maternal material present in germinal vesicle is probably essential for proper formation of pronuclei and also for further development. It seems that nucleolar material itself may play an important role in formation of properly built pronuclei in addition to the helper role of cumulus cells on developmental potential of reconstituted oocytes. Oocytes promote a key metabolic function of cumulus cells that is necessary for oocyte meiotic maturation and further embryonic development. Moreover, studies found that the presence of loose cumulus cells partially restored the effect of denudation prior to in vitro fertilization. Collectively, the previous results suggest that cumulus-derived factors influencing cytoplasmic maturation reach the oocytes both through the gap junction coupling pathway and by diffusion. Our results indicated that addition of bovine follicular fluid (partially secreted from cumulus cells) to the maturation medium of bovine oocytes changes kinetics of first cleavages in comparison of fetal calf serum. Our recent work (<u>Mohammed et al., 2008 Molecular Reproduction and Development, 75 (8): 1269 – 1280</u>) showed that developmental competence of cumulus-enclosed cytoplasts was significantly increased compared with cumulus-free cytoplasts upon transfer of early embryonic nuclei. During my study, selective enucleation technique (SE) for enucleation germinal oocytes was adapted for the first time in addition to

	enucleation of GV oocytes. SE means removing the chromatin attached to nuclear envelope, and leaving the liquid contents of GV in the cytoplasm. Upon nuclear transfer of embryonic or somatic cells, results show that the ooplasmic nuclear material and/or embryonic nucleolus are indispensable for pronuclei formation. When GV oocytes were enucleated, cleavage were seized at the 6-cell stage upon fertilization, as oppose to intact GV oocytes, which in 51% yielded morulae/blastocysts. These results suggest that ooplasmic nuclear material is essential for the cleavage divisions. Selective enucleation and enucleation techniques of GV oocytes enabled to investigate the effects of cumulus cells, nuclear sap and nucleolus on meiotic maturation and developmental competence of the reconstituted oocytes. <u>4. Anesthesia and surgery in mice, rat and rabbit</u> New protocols of anesthesia in mice, rat and rabbit were established. The side effects of anesthesia protocols were investigated. The results are in preparation to submit. Moreover, vasectomy, fallopian and uterine embryo transfer were performed in mice, rat and rabbit. Furthermore, ovarian transplantation was performed in such species. Moreover, ovarian transplantation was performed in mice and rat. Graafian follicles were found on the transplanted ovaries upon cervical dislocation of animals. 4. Embryo transfer in rabbit Embryo transfer was performed in rabbit. Offspring obtained was 60%. <u>4. Blood, serum and follicular fluid analysis.</u> Blood and serum components such as organic and inorganic components were analyzed using spectrophotometer <u>5. Training in artificial insemination and flushing embryos in cows.</u> Artificial insemination and embryo collection become of the most important techniques ever devised for the genetic improvement of farm animals. 6. Ovarian transplantation in mice and rat Auto- and xeno-ovarian transplantation were performed in both mice and rat. The ovarian tissues were restored viability where growing and mature follicles were found in addition to corpora lutea.
<u>List of Publications in Journals</u>	1- Salem I.A., Daghash H.A., Kobeisy M.A. and Mohammed A.A. 1999. Effect of supplemented dietary iodine on growth performance and thyroid gland activity in Egyptian Saidi lambs. Assiut J. Vet. Med. 41: 82-100. 2- Mohammed A. A., Karasiewicz J., Papis K., Modlinski J.A. 2005. Oocyte maturation in the presence of randomly pooled follicular fluid increases bovine blastocyst yield <i>in vitro</i>. Journal of Feed and Animal sciences 14 (3): 501-512. 3- Mohammed A. A., J. Karasiewicz, J. A. Modlinski. 2008. Developmental potential of immature mouse oocytes after selective enucleation and reconstruction with embryonic nuclei.

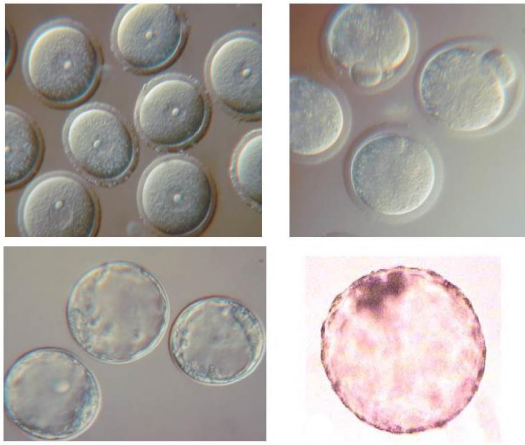
	Molecular Reproduction and Development Volume 75 (8): 1269-1280. 4- Mohammed A. A. 2008. Contributions of cumulus cells on timing of oocytes maturation and developmental potential. Assiut Journal of Agricultural Sciences 39 (2): 43-50. 5- Mohammed A. A. 2009. Developmental potential of zona-free and zona-drilled and reconstituted mouse oocytes upon activation/fertilization Assiut Veterinary Medical Journal 55 (120): 285-295. 6- Mohammed A. A. 2009. Developmental competence of immature cytoplasts upon somatic nuclear transfer before/after maturation. Assiut Journal of Agricultural Sciences 40 (2): 27-34. 7- Mohammed AA. 2009. Ovarian morphology and oocyte quality of ruminant animals in relation to in vitro embryos production. Assiut Journal of Agricultural Sciences 4:1-12. 8- Mohammed A.A. Karasiewicz J, Kubacka J, Greda P, Modlinski J. 2010. Enucleated GV oocytes as recipients of embryonic nuclei in the G1, S or G2 stages of the cell cycle. Cellular Reprogramming [(formerly Cloning and Stem cells) 12(4): 427-435. 9- Ziyadah H. M. S., Mohammed A. A., Galal A. Abd El- Hafiz. 2011. Effect of Sheep Dietary Urea Level on serum urea, glucose and amino acids concentrations. Assiut Journal of Agricultural Sciences. 41 (4): 63-74. 10- Mohammed A. A. & Attaai A. H. 2011. Effects of dietary urea on timing of embryo cleavages and blood components in mice. Veterinary World. 4(8):360-363. 11- Mohammed A. A. 2011. ASSISTED REPRODUCTIVE TECHNOLOGY IN MAMMALS. Egyptian J. Anim. Prod. 48, Suppl. Issue, April (2011):1-15 12- Mohammed A. A. & G.B. Mahmoud. 2011. Some reproductive parameters of growing, adult non-pregnant and pregnant she camel slaughtered in Assiut governorate. Egyptian J. Anim. Prod. 48, Suppl. Issue, April (2011):75-84 13- Mohammed A. A. 2011. Total protein, urea, glucose, triglycerides and cholesterol concentrations of ruminant follicular fluid in relation to follicle size and estrous stage. African Journal of Animal and Biomedical Sciences 6 (1): 127-132. 14- Mohammed A. A. Sayed M. M. A. Abdelnabi. 2011. A New Protocol of Anesthesia Using Thiopental, Diazepam and Xylazine in White New Zealand Rabbits. Australian Journal of Basic and Applied Sciences, 5(9): 1296-1300. 15. Mohammed A.A., Abd El- Hafiz G. A. Ziyadah H. M. S. 2011. Effect of dietary urea level on biochemical composition of follicular fluid in relation to follicle size and estrous stage in Saidi ewes. Theriogenology Insights, August Page 33-44.
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	16- Mohammed A.A., Abd El- Hafiz G. A. Ziyadah H. M. S. 2012. Effect of dietary urea on ovarian structures in Saidi ewes during follicular and luteal phases. Egyptian J. Anim. Prod. 49 (1), 29-35. 17- Mohammed AA, Abdelnabi MA, Modlinski JA. 2012. Evaluation of Anesthesia and Reproductive Performance upon Diazepam and Xylazine injection in rats. Animal Sciences and Reports30 (3), 285-292 18- Mohammed AA, 2012. Anesthesia Induction and Reproductive Performance in relation to Diazepam and Xylazine injection in mice. Egyptian Journal of Basic and Applied Physiology 11 (1): 19- Mohammed AA, 2012. Effects of Unilateral Ovarian Bisection and Ovarian Transplantation on Reproductive Performance in Adult and Growing Mice. Egyptian Journal of Basic and Applied Physiology 11 (1): 20- Mohammed AA. 2013. Is nucleo-cytoplasmic incompatibility the reason of acceleration polar body extrusion? International Journal of Animal Biotechnology (submitted) 21- Mohammed AA. 2013. Maturation and Developmental Competence of Selectively Enucleated Germinal Vesicle Oocytes of Mammals upon Nuclear Transfer. International Journal of Animal Biotechnology (submitted). 22- Mohammed AA & AY Kassab. 2014. Biochemical Changes of Blood and Ovarian Follicular Fluid after Time Storage in Goats. International Journal of Agriculture and Biology (submitted). 23- Kassab AY & AA Mohammed. 2013. Effects of dietary live dried yeast on physiological responses and productive performance in Sohagi ewes Egyptian Journal of Animal Nutrition and Feed (Accepted) 24- Kassab AY & AA Mohammed. 2014. Ascorbic acid administration as anti-stress before transportation of sheep. Egyptian Journal of Animal Production. 51 (1): 13-19. 25- Mohammed AA. 2014. Is nucleo-cytoplasmic incompatibility the reason of acceleration polar body extrusion? International Journal of Current Engineering and Technology 4 (1), 287-291 26- Mohammed AA. 2014. Maturation and Developmental Competence of Selectively Enucleated Germinal Vesicle Oocytes of Mammals upon nuclear transfer. International Journal of Current Engineering and Technology 4 (1), 292-299
List of Publications and Abstracts in Conferences	1- Kobesiy M.A., Daghash H.A., Salem I.A. and Mohammed A.A. 2000. Carcass and gastrointestinal tract characteristics in saidi lambs fed diets supplemented with potassium iodide. Paper in Proc. Conf. Anim. Prod. in the 21th century, Sakha, 18-20 April, 287-296. 2- Mohammed A. A., Karasiewicz J., Modliński J. A. 2005. Oocyte maturation in the presence of randomly pooled follicular fluid increases bovine blastocyst yield <i>in vitro</i>. Abstract in the VIth International Conference of Genetics and Animal Breeding, Brno Czech Republic 2005).

	3- <u>Mohammed A. A. 2006.</u> Developmental competence of mouse oocytes reconstructed with G2/M somatic nuclei. <u>Oral presentation and Paper</u> in the Biotechnology 2006, Scientific Redagogical Publishing, C. Budejovice, Czech Republic ISBN 8085645 – 53 – X, page 1117-1120. 4- <u>Mohammed A. A. 2007.</u> Developmental competence of immature mammalian oocytes reconstructed with embryonic/somatic nuclei. <u>Oral presentation and Abstract</u> in the 1st conference of Junior Scientists – Faculty of Agriculture – Assiut University. 5- Modlinski A., P. Grêda, <u>A. A. Mohammed,</u> J. Karasiewicz. 2007. New sources of recipient cells in mammalian cloning. <u>Oral presentation and Abstract</u> in EUROBIOTECH 2007 Vol 54 pp. 50. 6- Modlinski A., <u>A. A. Mohammed,</u> J. Karasiewicz. 2008. Developmental competence of immature mouse oocytes upon nuclear transfer. <u>Oral presentation and Abstract</u> in EUROBIOTECH Vol 55 pp. 118. 7- <u>Mohammed A. A. 2008.</u> Contributions of cumulus cells on timing of oocytes maturation and developmental potential. <u>Oral presentation and Paper</u> in the 2nd conference of Junior Scientists – Faculty of Agriculture – Assiut University. 8- <u>Mohammed A. A. 2009.</u> Developmental competence of immature cytoplasts upon somatic nuclear transfer before/after maturation. <u>Oral presentation and Paper</u> in the 3rd conference of Junior Scientists – Faculty of Agriculture – Assiut University. 9- <u>Mohammed A. A. 2010.</u> Assisted Reproductive Technology in Mammals. <u>Oral presentation and Abstract</u> in the 4th conference of Junior Scientists – Faculty of Agriculture – Assiut University. 10- <u>Mohammed A. A. 2010.</u> Maturation and developmental competence of selectively enucleated germinal vesicle oocytes of mammals upon nuclear transfer. <u>Oral presentation and Paper</u> in the 6th International Conference on Rabbit Production in Hot Climates.
<u>List of Publications (in preparation and follow up)</u>	1- <u>Mohammed A. A., Modliński J. A. 2012.</u> Effect of follicle size and animal nutrition on follicular fluid contents and their support of oocyte maturation and embryo development. 3- <u>Mohammed A. A. 2012.</u> Sex determination through morphological criteria of embryos.
<u>Present research</u>	1. <u>Sex determination through morphological criteria of embryos</u> Sex determination in a simple way enables animal breeders to choose to produce male and female offspring for production of meat and milk respectively of their and to avoid teratological changes during pregnancy even in human.

	<u>2. Ovarian transplantation in rabbit rat and mice</u> Cancer treatments, including chemotherapy, radiotherapy, and radical surgery, induce premature menopause and infertility in many of the hundreds of thousands of women who are still at their reproductive age every year. Counteracting the deterioration of ovarian function and maintaining their fertility has become an important goal for female cancer patients. One possible way to preserve fertility is to cryopreserve the ovarian tissue for later transplantation before treatments <u>3. Follicular fluid metabolites in relation to embryonic development</u>
References	<u>1- Prof. Jacek Modliński Ph.D., D.Sc.</u> Head of Department of Experimental Embryology Institute of Genetics and Animal Breeding Polish Academy of Sciences Jastrzebiec, Poland. tel. +48 22 756-17-11, ext. 351, 359 e-mail J.A.Modlinski@ighz.pl <u>2 Grażyna Sender, Phd, DSc</u> Department of Animal Sciences Institute of Genetics and Animal Breeding Polish Academy of Sciences Jastrzebiec, Poland. e-mail. g.sender@ighz.pl <u>3 Prof Dr. Mahmoud Abdelnabi</u> Animal and Poultry Production Department Faculty of Agriculture - Assiut University – Egypt Tel: 002 088 2412713 Fax: 002 088 2331384 e-mail. mabdelnabi@yahoo.com

The following pictures and photos indicate the skills and past research achievements which published in local and international journals, local and international conferences:



In vitro Production of embryos

Mohammed et al., 2005 J Animal Sciences and Feeding



Anesthesia and Surgical embryo transfer

Mohammed et al., 2011



Embryonic Development and Distribution

Mohammed et al., 2012 Animal Sciences and Reports

Mohammed et al., 2012 Egyptian Journal of Applied physiology



Somatic embryonic nuclear transfer

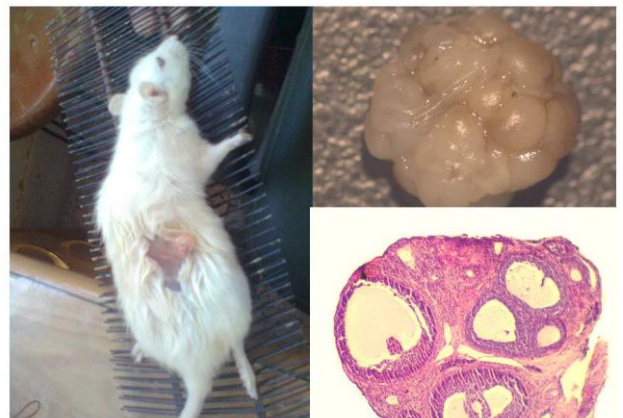
Mohammed et al., 2008; Molecular Reproduction & Development

Mohammed et al., 2010; Cellular Reprogramming



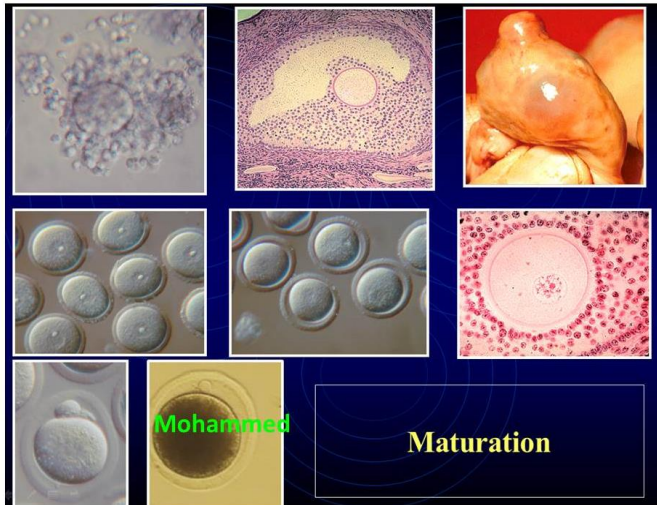
Born pups upon surgical embryo transfer in Rabbits

Mohammed et al., 2011

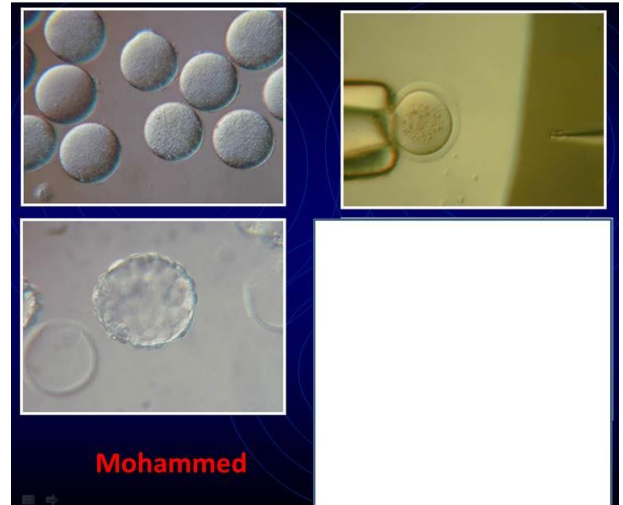


Ovarian Transplantation

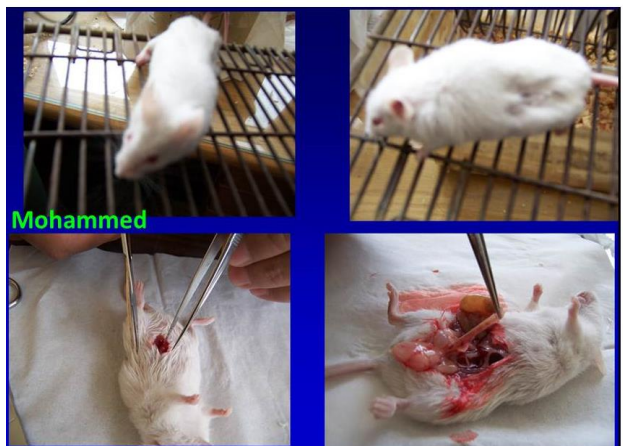
Mohammed et al., 2012 Animal Sciences and Reports



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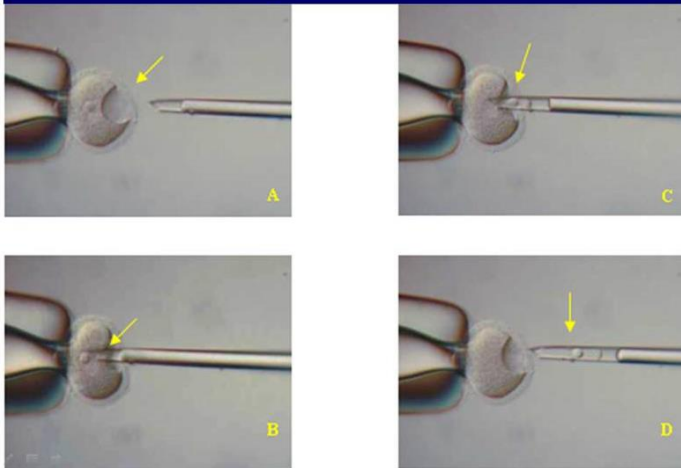
Mohammed



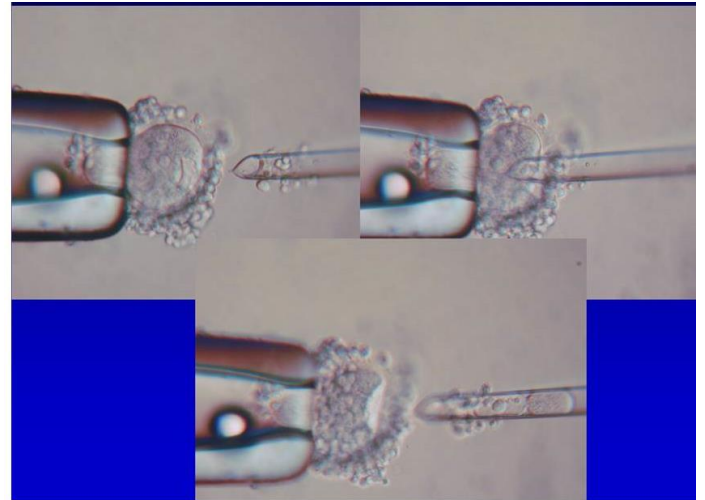
Mohammed et al., 2011 Egyptian Animal Production

Mohammed

Complete Enucleation

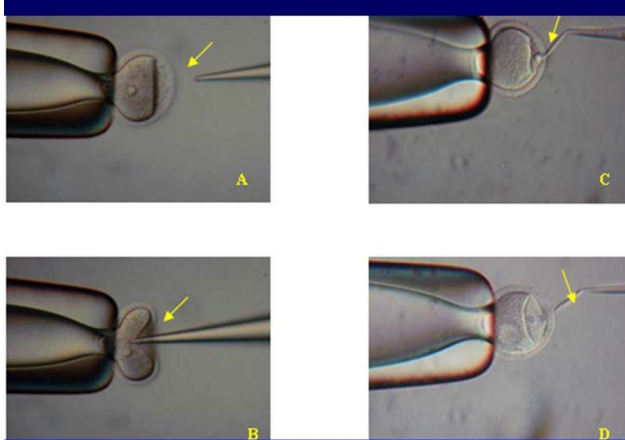


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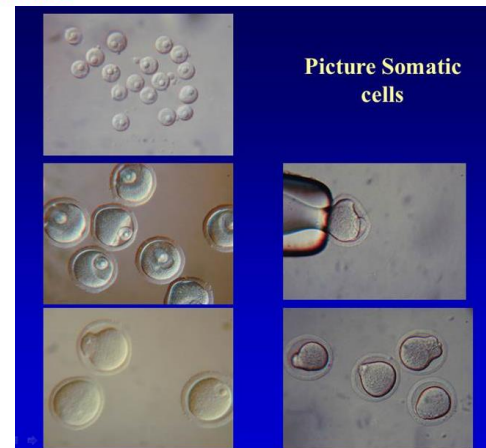


Mohammed

Selective Enucleation



Mohammed



Picture Somatic cells

Mohammed

Enucleation



Mohammed



ODPIS

RZECZPOSPOLITA POLSKA

POLSKA AKADEMIA NAUK

Instytut Genetyki i Hodowli Zwierząt

DYPLOM

M. Sc. Abd El-Nasser Ahmed Mohammed Ahmed

urodzon y dnia 8 listopada 1970 r. w Qena, Egipt

na podstawie przedstawionej rozprawy doktorskiej

*"Developmental competence of immature mammalian
oocytes reconstructed with
embryonic/somatic nuclei."*

oraz po złożeniu wymaganych egzaminów uzyskał stopień naukowy

DOKTORA

nauk *rolniczych*

w zakresie zootechniki

nadany uchwałą Rady Naukowej Instytutu Genetyki i Hodowli Zwierząt
Polskiej Akademii Nauk w Jastrzębcu

z dnia 11 grudnia 2006 r.

Promotor w przewodzie doktorskim:

Prof. dr hab. Jacek A. Modliński

Recenzenci w przewodzie doktorskim:

Prof. dr hab. Edzistaw Smorąg

*Prof. Pasqualino Loi
(Teramo University, Włochy)*

Jastrzębiec, 12 grudnia 2006

PRZEWODNICZĄCY RADY NAUKOWEJ

Marian Różycki
Prof. dr hab. Marian Różycki



DYREKTOR INSTYTUTU

Edward Dymnicki
Prof. dr hab. Edward Dymnicki



POLISH ACADEMY OF SCIENCES
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UL. POSTĘPU 1, JASTRZĘBIEC, 05-552 WÓLKA KOSOWSKA
Phones: +48 22 7561711 to 18 Fax: +48 22 7561699, +48 22 7561417

TO WHOM IT MAY CONCERN,

*The Director and Scientific Council of the Institute of Genetics and Animal Breeding,
Polish Academy of Sciences are pleased to announce that the Ph.D. thesis of Mr. Abd
El-Nasser Ahmed Mohammed Ahmed, Ph.D. entitled*

*"Developmental competence of immature mammalian oocytes reconstructed with
embryonic/somatic nuclei"*

*has been **awarded** for its scientific value and experimental design*

Prof. Edward Dymnicki, Ph.D., D.Sc.

Director of the Institute

Prof. Jacek A. Modliński, Ph.D., D.Sc.

Vice Chairman of the Scientific Council

Jastrzębiec, 12th December 2006



CERTIFICATE

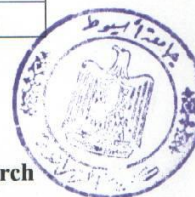
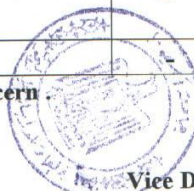
This is to certify that **Mr. Abd El-nasser Ahmed Mohammed Ahmed** has obtained the M. Sc. degree in Agriculture (Animal Production) on 27/9/1998

The subject of the thesis is : "Iodine supplementation to lambs rations and its effect on their performance and carcass quality."

He passed the following courses

Courses	Units	Grade
Animal Production 202-Advanced special studies (Nutritional Physiology)	3	Excellent
Animal Production 202-Advanced special studies (Endocrinology)	3	Excellent
Animal Production 202-Advanced special studies (Cell Physiology)	3	Excellent
Animal Production 202-Advanced special studies (Adaptation)	3	Good
Animal Production 232-Advanced Animal Nutrition	3	Excellent
Animal Production 220-Advanced Physiology of Farm Animal	3	Excellent
Animal Production 218-Animal Statistics	4	Excellent
Animal Production 201-Seminar	1	Excellent
Animal Production 200-Research	8	Pass
Food Technology 199-special studies (Biochemistry)	3	Excellent
Poultry Production 199- special studies (Minerals & Vitamins)	3	Very good
Veterinary Sciences 199- special studies (Histology)	3	Excellent
English language		Pass

This is to be presented to whom it may concern
Assiut : 26/7/1999



Vice Dean
For Graduate Studies & Research

A. A. Eissa
27/7/1999
Prof. Dr. Ali Abd El - Galil Eissa



CERTIFICATE

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Animal Production 202-Advanced special studies (Cell Physiology)	3	Excellent
Animal Production 202-Advanced special studies (Adaptation)	3	Good
Animal Production 232-Advanced Animal Nutrition	3	Excellent
Animal Production 220-Advanced Physiology of Farm Animal	3	Excellent
Animal Production 218-Animal Statistics	4	Excellent
Animal Production 201-Seminar	1	Excellent
Animal Production 200-Research	8	Pass
Food Technology 199-special studies (Biochemistry)	3	Excellent
Poultry Production 199- special studies (Minerals & Vitamins)	3	Very good
Veterinary Sciences 199- special studies (Histology)	3	Excellent
English language		Pass

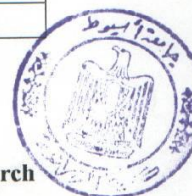
This is to be presented to whom it may concern
Assiut : 26/7/1999



Vice Dean
For Graduate Studies & Research

A. A. Eissa
27/7/1999

Prof. Dr. Ali Abd El – Galil Eissa





UNIVERSITY OF ASSIUT
FACULTY OF AGRICULTURE
ASSIUT A.R.E.



This is to certify that Mr. Abd El-nasser Ahmed Mohammed
was granted the Degree of Bachelor of Agriculture
Sciences Animal Production

With a grade : Excellent with honour
in June 19 1992

Date : 22 4/ 2001

Zakaria
Maher

Registrar

Sh. Hashem
24 4/ 2001

Dean of Faculty

M. A. Sallam





Assiut University
Faculty of agriculture
Name: Abd El-Nasser Ahmed Mohammed
Degree received B. Sc. (Agric.) Sciences (Animal Production), Year June 1992

Credit & Average grade

Average Grade: Excellent with honour

Courses	Units	Grade
First year 1988-1989		
1- Economic (principles)	3	Very Good
2-Zoology (General)	4	Very Good
3- Mathematics (I)	3	Very Good
4- Chemistry (Inorganic)	4	Excellent
5- Botany 1 (Morphology & Anatomy)	4	Very Good
6- Rural sociology	3	Good
7- Entomology (General)	3	Excellent
8- Physics (General)	3	Very Good
9- Chemistry (Organic)	3	Excellent
10- Botany 2 (Plant kingdom & Taxonomy)	3	Excellent
Total credits and average grade	33	Excellent
Second year 1989-1990		
1- Social Science. (Principles)	4	Very Good
2- Animal Production 50 (Animal & Poultry Prod.)	3	Very Good
3- Agronomy 100 (Principles of Agriculture Statistics)	3	Excellent
4- Surveying and agriculture Buildings	3	Good
5- Microbiology (General)	3	Very Good
6- Botany 3 (Physiology)	3	Very Good
7- Plant Production (Principles)	4	Very Good
8- Food Technology (Principles)	3	Very Good
9- Agric. Economic (Principles)	3	Pass
10- Agric. Engineering	3	Good
11- Agric. Biochemistry	3	Good
Total credits and average grade	35	Very Good
Third year 1990-1991		
1- Production of Horticulture Plants	4	Excellent
2- Animal Production 112 (Meat production)	2	Excellent
3- Anatomy & Histology	2	Very Good
4- Veterinary Hygiene	3	Very Good
5- Animal Production 56 (Animal Physiology)	3	Excellent
6- Agronomy 104 (Forage crops & Range management)	3	Very Good
7- Genetics (Principles)	4	Excellent
8- Animal production 104 (Milk Production)	3	Very Good
9- Animal production 106 (Principle of nutrition)	3	Excellent
10- Medical & Veterinary Insects	3	Excellent
11- Dairy Chemistry	3	Excellent
12- Analytical Chemistry	3	Very Good
13- Biochemistry	3	Excellent
14- Agriculture Accounting	3	Excellent
Total credits and average grade	42	Excellent
Fourth year 1991-1992		
1- Animal production 116 (Principles of animal Breeding)	2	Excellent
2- Economic of Animal Production	3	Very Good
3- Computer	2	Very Good
4- Animal production 152 (Formation & Analysis of rations)	3	Excellent
5- Poultry	3	Excellent
6- Animal production 129 (Endocrinology & adaptation)	2	Excellent
7- Immuno-Genetics	3	Excellent
8- Animal production 108 (sheep Prod. & wool Technology)	3	Excellent
9- Breeding and improvement of farm animal	2	Excellent
10- Dairy Technology	4	Excellent
11- Animal production 124 (Experimental Design)	3	Very Good
12-Seminar	1	Excellent
13- Embryology	3	Excellent
14- Animal production 129 (Physiology of reproduction)	3	Excellent
Total credits and average grade	37	Excellent

Unit = one Hour lecture or one lab period week.

Registrar

Dean of the faculty

M.A. Mohran

Zakaria
Maher
29/4/2001

