

Curriculum Vitae

Personal Data:

Name: Mahmoud Mohamed Ahmed Abdel-Aziz

Position: Professor of animal breeding and quantitative genetics

Address:

Home: 103 Abdel-Kareem El-Khataby Street
Ibrahimiya, Alexandria, Egypt Apt# 14

Work: Department of Animal and Fish Production
**Faculty of Agriculture,
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Marital Status: Married with two children

Qualifications:

Ph.D. Sheep Breeding and Genetics, 1989. Department of Animal Science, University of Minnesota, USA

M.Sc. Dairy Cattle Breeding, 1980. Faculty of Agriculture, Alexandria University, Egypt

B.Sc. Animal Production with an average grade excellent, 1975. Faculty of Agriculture, Alexandria University, Egypt.

Professions:

Professor 2016-now: Department of Animal Production, Faculty of Agriculture University of Alexandria, Egypt.

Professor: 2009-now: Department of Animal and Fish Production, College of Agricultural and Food Sciences, King Faisal University, Saudi Arabia.

Professor: 2003-2009: Department of Animal Production, Faculty of Agriculture University of Alexandria, Egypt.

Associate Professor: 1997-2003, Department of Animal Production, Faculty of Agriculture University of Alexandria, Egypt.

Assistant Professor: 1990-1997, Department of Animal Production, Faculty of Agriculture University of Alexandria, Egypt.

Research assistant: 1984-1989: Department of Animal Science, University of Minnesota, USA. .

Assistant Lecturer: 1981-1983, Department of Animal Production, University of Alexandria, Egypt.

Demonstrator: 1976-1980, Department of Animal Production, University of Alexandria, Egypt.

Scientific Interests:

- Estimation of variance components
- Estimation of genetic and phenotypic parameters and breeding values.
- Designing breeding programs
- Research in the areas of genetics of growth, milk production, reproduction and fiber.
- Biotechnology research and its application in the livestock industry, mainly QTL and gene markers, SNPs

Experiences:**Languages:****Arabic:** Mother tongue**English:** Excellent (Speaking, reading and writing)**German:** Speaking and writing (fair), reading (intermediate)**Computer Literacy:**

- Microsoft office (WORD, EXCEL, POWER POINT, ACCESS).
- Design web pages using HTML and JAVA.
- Handling many statistical packages on LINUX and WINDOW platfomrs, sucha s SAS, SPSS, GENSTAT, GLIM, MINITAB, MTDFREML, DFREML, ASREML, PEST, VCE、RRGIBBS, WOMBAT.
- Writing computer programs using FORTRAN
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Teaching:

I teach the following classes for undergraudate and graduate students:

- Animal Breeding
- Animal Genetics
- Animal Production
- Principles of Statistics
- Experimental Design
- Animal Production in the Tropics
- Camel Production and Husbandry
- Sheep and Goat Production
- Advanced Animal Breeding
- Quantitative Genetics
- Linaer models
- Applied regression
- Analysis of cateogrical data.
- Bioinformatics

Publications**1. Theses:****M.Sc.**

Thesis Title "Sire evaluation and genetic parameters for some economic traits in cows and buffaloes". University of Alexandria, Egypt.

Ph.D.

Thesis Title " Genetic and phenotypic variation in growth, reproduction and wool of several breeds of sheep and their crosses". University of Minnesota, USA.

2. Papers and articles:

1. **M.A. Aziz; Sharaby, M.A. and I.S. El-Kimary. 1982.** Sire evaluation and genetic parameters of first lactation length in Egyptian buffaloes and high grades of Friesian cows. *Alex. J. Agric. Res.*, 31: 418-426.
2. **M.A. Aziz; I.S. El-Kimary and M.A. Sharaby. 1982.** Genetic control and sire evaluation for age at first calving in Egyptian buffaloes and Friesian cows. *Alex. J. Agric. Res.*, 31: 8-15.
3. **Sharaby, M.A.; I.S. El-Kimary and M.A. Aziz. 1987.** Genetic and environmental control of first lactation milk yield in cows and buffaloes. *Live. Prod. Sci.*, 17: 225-233.
4. **Badran, A.; M.A. Aziz and M.A. Sharaby. 1991.** Performance of Friesian cattle under two environmental conditions. *Alex. J. Agric. Res.* 36: 83-93.
5. **M.A. Aziz and A.E. Badran. 1992.** Effect of age at first calving on milk yield and lactation length in Egyptian buffalo. *International Symposium on Prospects of Buffalo Production in the Mediterranean/Middle East, Cairo, Egypt, 9-12 Nov., 1992.*
6. **Kosba, M.A.; M.F. Hassan; F.N.K. Soliman; M.A. Aziz and M. Bahie El-Deen. 1992.** Selection for dressing percentage in Japanese quail. *Egyptian Poultry Sci.*, 12: 333-346.
7. **Sharaby, M.A. and M. A. Aziz. 1993.** Factors affecting lactation curve of Friesian cows in Saudi Arabia. *J. King Saud University (Agric. Sciences)*, 6: 253-259.
8. **M.A. Aziz and M.A. Sharaby. 1993.** Collinearity as a problem in predicting body weight from body measurements of Najdy sheep in Saudi Arabia. *Small Ruminant Res.*, 12: 117-124.
9. **M.A. Aziz and M.Abdelsalam. 1993.** Additive and multiplicative correction factors for lamb birth weight in some Egyptian sheep breeds. *Alex. J. Agric. Res.*, 38: 139-151.
10. **Mahmoud Abdel-Aziz. 1993.** Origin and domestication of the Dromedary (Arabic camel). *Proceedings of the 6th World Symposium on the History of Science of Arabs. Ras El-Kheimah, United Arab Emirates, December, 1996.*
11. **M.A. Aziz; E. Kalm and A.E. Badran. 1994.** Genetic merit of first lactation milk yield of water buffaloes using animal model. *Alex. J. Agric. Res.*, 39: 61-70.
12. **Mahmoud Abdel-Aziz. 1994.** Sire evaluation and environmental and genetic trends of milk yield in water buffalo. *Alex. J. Agric. Res.*, 39: 129-148.
13. **Mahmoud Abdel-Aziz. 1994.** Evaluation of some environmental factors affecting weaning weight of Rahmany and Barki sheep breeds. *Alex. J. Agric. Res.*, 39: 149-166.
14. **M.A. Aziz; M. Abdelsalam and E. Kalm. 1995.** Frequency distribution of lambing month and its relationship with some environmental factors in some breeds of sheep on Egypt. *Proceedings of the International Conference on*

- Animal Production in Hot Climates. Oman, 8-10 January, 1995 (abstract). The paper was further published in the Egyptian Journal of Applied Science (Zagazig University), 15: 719-726.
15. **M.A. Aziz; R. Róhe, and E. Kalm. 1995.** Genetic and environmental factors associated with firmness of the mammary gland in sows using quasi-loglinear and linear models. Arch. Tirez. Dummerstorf, 38: 665-761.
 16. **Mahmoud Abdel-Aziz. 1996.** The effect of data imbalance and small herd size on heritability estimated by different methods. A case study on a buffalo herd. Proceedings of the Third Symposium on the FAO Inter-Regional Research Network on Buffalo, Cairo 14-17 October, 1996 (abstract).
 17. **Mahmoud Abdel-Aziz. 1997.** Comparison of animal model evaluations for first lactation milk yield of Egyptian buffalo using different priors, (abstract). Proceedings of the Fifth World Buffalo Congress, October 13-16, 1997, Castera, Italy. P 545.
 18. **M.A. Aziz; A.E. Mahdy and O.B. El-Shafie. 1997.** Frequency distribution of calving month in Egyptian buffaloes. Proceedings of the Fifth World Buffalo Congress, October 13-16, 1997, Castera, Italy. Pages, 706-709.
 19. **Mahmoud Abdel-Aziz. 1997.** Group breeding schemes as a method of choice for improving the productivity of livestock populations in the Arabic countries, (in Arabic). Development and Agriculture, 16(4): 23-26.
 20. **Mahmoud Abdel-Aziz. 1999.** The principles of genetic improvements of farm animals (In Arabic). Bovine and Ovine, 22: 8-11.
 21. **Mahmoud Abdel-Aziz. 2000.** Heritability, genetic and phenotypic correlations between pre-weaning growth traits in Rahmany and Barki lambs. Alex. J. Agric. Res., 45:13-21.
 22. **Mahmoud Abdel-Aziz. 2000.** Evaluation of ram breeding values for pre-weaning growth traits in Rahmany and Barki lambs. Alex. J. Agric. Res., 45:1-11.
 23. **M.A. Aziz and A.E. Badran. 2000.** Effect of data imbalance and small herd size on the heritability estimated by different methods (A case study of milk yield in a buffalo herd). Alexandria J. Agric. Res., 45(3): 1-7.
 24. **Abdelaziz, N.M.; M.M. Abdelsalam; M.A. Aziz and Eman Serag. 2000.** Studies on some factors affecting some wool traits through vital stages of sheep. Proc. All Africa. Conf. Anim. Agric. & Conf. Egyptian Soc. Anim. Prod. Alexandria, Egypt, 6-9 November, 2000. pp. 707-711.
 25. **M.A. Aziz; S.J. Schoeman; G.F. Jordaan, O.M. El-Shafie and A.T. Mahdy. 2001.** Genetic and phenotypic variation of some reproductive traits in Egyptian buffaloes. South African Journal of Animal Science, 31: 195-199.
 26. **M.A. Aziz; S.J.S. Schoeman and G.F. Jordaan. 2002.** The influence of outliers on a model for the estimation of crossbreeding parameters for weaning weight in a beef cattle breed. South African Journal of Animal Science, 32: 164-170.
 27. **Schoeman, S.J.S., M.A. Aziz and G.F. Jordaan. 2002.** The influence of multicollinearity on crossbreeding parameter estimates for weaning weight in beef cattle. South African Journal of Animal Science, 32(4): 239-246.
 28. **M.A. Aziz; M. Enoch; T. Kojima; K. Oshima and M. Komatsu. 2002.** Estimation of Genetic and Phenotypic parameters and genetic and environmental trends of pre-weaning growth traits of Japanese Black calves using animal model. Poster presented in Annual Meeting of the Japanese Society of Animal Breeding and Genetic, held in Kyoto University 9-11 November 2002, (abstract).

29. **Komatsu, M.; M.A. Aziz; Niibayashi; T. Kojima; K. Oshima; Y. Mizogichi and Y. Sugimoto. 2002.** A primary screen of the bovine genome for quantitative trait loci affecting some growth traits of Japanese Black calves. Poster presented in Annual Meeting of the Japanese Society of Animal Breeding and Genetic, held in Kyoto University 9-11 November 2002, (abstract).
30. **M.A. Aziz; Schoeman, S.J. and G.F. Jordaan. 2003.** Estimation of additive, maternal and nonadditive genetic effects of pre-weaning growth traits in multibreed beef cattle project. *Animal Science Journal*, 74: 169-179
31. **M.A. Aziz, J.B. Owen, S.A. Azhar, A.E. Mahdy and O.M. El-Shafie. 2003.** Genetic and phenotypic variation of lactation length and milk yield of Pakistani and Egyptian buffaloes. *Alexandria J. Agric. Res.*, 48(2): 11-22.
32. **M.A. Aziz; A.E. Mahdy; O.M. El-Shafie and N.A. Shalaby. 2003.** A comparison of different models of the lactation curve in Egyptian buffaloes. *Journal of Agricultural Science, Mansoura Univ.*, 28(7): 5253-5268.
33. **M.A. Aziz; S. Nishida, K. Suzuki and A. Nishida. 2004.** Estimation of genetic and phenotypic parameters for some growth and carcass traits of Japanese Black calves using a multi-trait animal model. Accepted as a poster presentation in the next EAAP meeting, held in Bled, Slovenia, during the period from 4 to 9 September, 2004.
34. **M.A. Aziz; O.M. El-Shafie and A. Nishida. 2004.** Genetic and phenotypic parameters of milk yield and lactation curve parameters estimated by the Gamma function in Egyptian buffaloes. Accepted as a poster presentation in the next EAAP meeting, held in Bled, Slovenia, during the period from 4 to 9 September, 2004.
35. **M.A. Aziz, S. Nishida, K. Suzuki and A. Nishida. 2005.** Estimation of direct and maternal genetic and permanent environmental effects for weights from birth to 356 days of age in Japanese Black cattle using random regression. *Journal of Animal Science (USA)*, 83: 519-530.
36. **M.A. Aziz, N.A. Shalaby, O.M. El-Shafie, A.E. Mahdy and A. Nishida. 2005.** Comparison between the shapes of lactation curve of Egyptian buffalo milk yield estimated by the incomplete gamma function and a new model. <http://www.cipav.org.co/lrrd/lrrd18/5/aziz18059.htm>.
37. **Nishida, A., M.A. Aziz, S. Nishida and K. Suzuki. 2005.** Modeling number of services to conception of Japanese Black cows by random regression. *Journal of Animal Breeding and Genetics (Germany)*, 123:56-63.
38. **M.A. Aziz, S. Nishida, K. Suzuki and A. Nishida. 2005.** Estimation of direct and maternal genetic parameters for growth and carcass traits in a herd of Japanese Black cattle in Miyagi prefecture, using a multivariate animal model. *Animal Science Journal (Japan)*, 76 (3): 183-193.
39. **Malau-Aduli, A.E.O., M.A. Aziz, T. Kojima, T. Niibayashi, K. Oshima and M. Komatsu. 2004.** Fixing Collinearity Instability Using Principal Component and Ridge Regression Analyses in the Relationship Between Body Measurements and Body Weight in Japanese Black Cattle. *Journal of Animal and Veterinary Advances* 3(12): 856-863.
40. **M.A. Aziz; N.A. Shalaby and H. R. Metawi. 2008.** Random regression analyses using B-splines to model growth from birth to 150 days of age of lambs of an Egyptian sheep breed (Rahmany). Proceedings of the 59th Annual Meeting of the European Association of Animal Production, 24-27 August 2008, Vilnius, Lithuania.

41. **M.A. Aziz; M.M. Abdelsalam and I.S. El-Kimary.** 2008. Estimation of additive, maternal and non-additive genetic effects of growth traits in a multibreed goat project. Proceedings of the 59th Annual Meeting of the European Association of Animal Production, 24-27 August 2008, Vilnius, Lithuania.
42. **M.A. Aziz, N.A. Shalaby and F.S. Al-Hur.** 2010. Comparison Between Genetic Parameters For Birth Weight Of Egyptian Buffaloes Estimated By Random Regression And Multi-Trait Models. Proceedings of the 9th World Congress of Genetics Applied to Livestock Production. 1-6 August, 2010, Leipzig, Germany.
43. **Mahmoud Abdel Aziz.** 2010. Present status of the world goat populations and their productivity. Lohmann Information, 45 (2): 42-52.
44. **Mahmoud Abdel Aziz.** 2011. The present situation of camel population in the Kingdom of Saudi Arabia. International camel conference under the theme of "Camel Research and Development: Enhancing Sustainable Livelihood of Ethiopian pastoralists". Oct 27-28,2011, Ethiopia.
45. **Mahmoud Abdel Aziz.** 2011. Designing breeding programs for genetic improvement of the productivity of camel population in Saudi Arabia. National workshop on camel biodiversity, 4-5 December, 2011, Ryadh, Saudi Arabia, under the saupices, under the auspices of Food and Agriculture Organization of the United Nations and Ministry of Agriculture of the Kingdom of Saudi Arabia.
46. Mohamed E. Seliaman and **Mahmoud M. Abdel Aziz.** 2013. Estimating the Genetic improvement of Egyptian Buffalo Milk Production in an Open Nucleus Breeding Program Using Stochastic Simulation. Accepted for oral presentation at 5th International Conference on Computer Modeling and Simulation, that will be held on February 24 - 25, 2013, Rome, Italy.
47. **Mahmoud A. Aziz** and F.S. Al-Hur. 2013. Differentiation between Three Saudi Goat Types using Size-free Canonical Discriminant Analysis. Emirates Journal of Food and Agriculture, 25 (9): 723-735.
48. V. Riggio, **M. Abdel-Aziz**, O. Matika. C. Moreno. A. Carta. and S.C. Bishop.2014. Accuracy of genomic prediction within and across populations for body weight and nematode resistance traits in sheep. Animal (2014), 8:4, pp 520–528.
49. **Mahmoud M. Abdel Aziz**, Mohamed E. Seliaman and Marzook M. Al-Eknh. 2103. Spread sheet model for simualting a camel system under the conditions of a dry arid area. Proceedings of the international conference of sustainability of camel population and production, February 17-2^{0th} February, 2103, King Faisal University, Al-Ahsa, Saudi Arabia.
50. **Mahmoud Abdel Aziz.** 2013. A proposed breeding scheme for utilization of camel genetic resources. Proceedings of the international conference of sustainability of camel population and production, February 17-20th February, 2103, King Faisal University, Al-Ahsa, Saudi Arabia.
51. Mohamed E. Seliaman, Marzouk Al-eknh and **Mahmoud M. Abdel Aziz.** 2013. Modeling and Simulation of Open Nucleus Breeding Program for Genetic Improvement in Saudi Camel Milk Yield. Proceedings of the international conference of sustainability of camel population and production, February 17-20th February, 2103, King Faisal University, Al-Ahsa, Saudi Arabia.
52. Aziz, M.A. and F. S. Al Hur. 2015. Comparison between mathematical functions for describing lactation curve of Ardi goats in Saudi Arabia. Tropical Agriculture (Trinidad), 92: 139-154.

53. Mahmoud A. Aziz, Bernard Faye, Marzouk Al-eknah and Abdelgadir Musaad. 2016. Modeling lactation curve of Saudi camels using the linear and non-linear forms of the incomplete Gamma function. *Small Ruminant Research*, 137: 40-46.

3. Books:

1. **Mahmoud Abdel-Aziz.** Principles of Statistics (in Arabic). 1998. Manshaat El-Maaref Publishing Co., Alexandria, Egypt. (ISBN: 977-03-0317-8)
2. **Mahmoud Abdel-Aziz.** The Arabic Camel. (in Arabic). 1999. Dar Al-Eshaa Publishing Co., Alexandria, Egypt (ISBN: 977-5241-83-9).
3. **Mahmoud Abdel-Aziz.** Design of Agricultural Experiments (in Arabic). 1999. Dar El-Maaref El-Masriah, Publishing Co., Alexandria, Egypt. (ISBN: 977-5167).
4. **Mahmoud Abdel-Aziz.** The Arabic Camel. (in Arabic). 2003 (second reprint). The Egyptian Company for Publishing and Distribution, Alexandria, Egypt.
5. **Mahmoud Abdel-Aziz.** Design of Agricultural Experiments. (in Arabic). 2003 (second reprint). The Egyptian Company for Publishing and Distribution, Alexandria, Egypt.
6. **Mahmoud Abdel-Aziz.** The Horse (in Arabic). 2007. Dar El-Maaref El-Masriah, Publishing Co., Alexandria, Egypt. (ISBN: 977-438-019-6).
7. **Mahmoud Abdel Aziz.** Husbandry and Production of Ostrich. (in Arabic). July, 2008. Dar El-Maaref El-Masriah, Publishing Co., Alexandria, Egypt.
8. **Yehia Abdel Samie, Mahmoud Abdel Aziz and Hesham Abdel Razak.** 2006. Biotechnology and its Application. Dar Al-Bostan Publishing Company, Alexandria, Egypt. (in Arabic).
9. **Mahmoud Mohamed Abdel Aziz,** Marzook Mohammed Al-Eknah, Khalid Ahmad Busadah and Mohamed Ibrahim Al Zarah. 2015. Proceeding of the first International Camel Conference, 17-20 February 2013, held at King Faisal University, Al-Ahsa, Saudi Arabia. Published in Camel Publishing House, India.

4. Scientific reports (unpublished):

1. **Mahmoud Abdel-Aziz. 1996.** Future needs and priorities of biotechnology research in livestock.
2. **Mahmoud Abdel-Aziz. 1997.** Genes with large effects and their utilization in breeding programs.
3. **Mahmoud Abdel-Aziz. 2000.** Marker assisted selection (MAS) and the genetic response.
4. **M.A. Aziz.; G.A. Bright and J.B. Owen.** A spread sheet simulation model for calculating the nutrition requirements of Egyptian buffaloes (BUFFMOD).
5. **Mahmoud Abdel-Aziz. 2002.** Development of breeding program for improving body weight and mothering ability of the Japanese Black cattle based on selection index and utilization of QTL. A lecture given in the 2002 special meeting of Western Region of Japan on Animal Breeding and Reproduction.
6. **Mahmoud Abdel Aziz 2003.** Detection of Quantitative Trait Loci.
7. **Academic advisor for Joto Afrika, Issue No.** Issue 7 August 2011: The future of pastoralism in a changing climate

5. Projects:

- Characterization of native goats for linear type traits in Saudi Arabia (Budget: 148,200 Saudi Ryal) (finished).
- The potentiality of using conocaprus leaves and twigs in sheep ration (Budget: 96,900 Saudi Ryal).

- A preliminary study on variation of genetic resistance to *Haemonchus contortus* in sheep and goat populations in Saudi Arabia (109,240 euro). A five year project carried out in coordination with IAEA.
- Describing lactation curve of Ardi goats, a local breed of Saudi Arabia. (85,000 SR).
- Modeling camel production systems in Saudi Arabia, A system analysis approach (169,000 SR).
- Modeling lactation curve of Saudi camels using different functions (400,000 SR)

6. Theses supervised:

- Seasonal variation in wool traits and their relationship to blood parameters in Barki sheep breeds. (Ph.D student) (finished).
- The performance of Friesian x Baladi crossbred calves for beef production under commercial conditions (M.Sc. student) (finished).
- Studies on some factor affecting wool traits through vital stages of sheep (M.Sc. student) (finished).
- Studies on some characteristics, clip preparation and the use of Barki wool in the local textile industry (M.Sc. finished).
- Estimation of genetic parameters of body weights in Some Egyptian sheep breeds (M.Sc. student) (finished)
- Studies on growth, carcass and meat quality traits of some Egyptian sheep breeds (M.Sc., finished).
- Characterization of growth and wool traits of some sheep breeds raised under the conditions of Sinai peninsula in Egypt (M.Sc., finished).
- Genetic and phenotypic parameters of monthly weights of some goat breeds in Saudi Arabia, using random regression models (M.Sc. finished)
- Genetic and phenotypic variation of milk yield and its compositions of some local goat breeds in Saudi Arabia (M.Sc., finished).
- Modeling growth curve parameters by different functions (M.Sc., finished).

Conferences and visits attended:

1. The University of Minnesota, USA, to study for Ph.D. degree during the period from 1983 to 1990, on a governmental scholarship. .
2. NC-111 meeting, Superior, Wisconsin, USA. 1986.
3. The National Meeting of the American Society of Animal Production, Athens, Georgia, USA, August, 1985.
4. The Third World Congress of Genetics Applied to Livestock, Lincoln, Nebraska, USA, August, 1986.
5. International Symposium on Prospects of Buffalo Production in the Mediterranean/Middle East, Cairo, Egypt, 9-12, November, 1992.
6. A leave to Kiel University, Germany, to work with professor E. Kalm, Director of the Institute of Animal Breeding and Genetics. December, 1992, sponsored by the German DFG.
7. A leave to Kiel University, Germany, to work with professor E. Kalm, Director of the Institute of Animal Breeding and Genetics. July-October, 1994, sponsored by the German DFG.
8. The International Conference of Animal Production in Hot Climate, Sultan Qaboos University, Oman, 8-10 January, 1995.
9. A leave to work at the Ministry of Agriculture in Oman, during the period from January, 1996 to August, 1996, to work as an animal breeding expert.
10. Third Symposium on the FAO Inter-Regional Research Network on Buffalo. Cairo, Egypt, 14-17, 1996.

11. A leave to the University of Wales, Bangor, UK, to work with Professor J.B. Owen, during the period from July, 1997 to December 1997, sponsored by the Royal Society.
12. Visiting Professor at the University of Zambia, during the period from 25 February, 2000 to 10 March, 2000 to give some lectures in the area of animal breeding and genetics. Sponsored by the Association of the African Universities.
13. The joint meeting of 3rd All Africa Conference on Animal Agriculture and 11th Conference of the Egyptian Society of Animal Production, November 6-9, 2000, Alexandria, Egypt.
14. Visiting professor at the University of Stellenbosch, South Africa during the period from February 14, 2001 to July 15, 2001, on a grant offered by UNESCO.
15. Visiting professor at the Laboratory of Animal Breeding and Reproduction, National Agricultural Research Center of Western Region (WeNARC), the Japanese Ministry of Agriculture. On a fellowship granted by the Japan Society for the Promotion of Science (JSPS), during the period from February to December, 2002.
16. Visiting professor at the university of Tohoku, Japan, starting from January to November, 2004, on a grant from the JSPS to continue the work on improving the growth of the Japanese Black cattle.
17. The 55th EAAP meeting, Bled, Slovenia, 4-9 September 2004.
18. A visit to the Regional Center for Africa and West Asia of the World Fish Center (Cairo) on June 15th, 2005 to give a lecture on designing a breeding program for genetic improvement of Tilapia.
19. The 59th Annual Meeting of the European Association for Animal Production that will take place in Vilnius, Lithuania, from 24th to the 27th August, 2008.
20. Visiting professor at the University of Agriculture, Faisalabad, Pakistan from 18/11/2008 to 17/02/2009, on a contract basis from the Higher Education Commission, Ministry of Higher Education, Pakistan.
21. The Ninth World Congress of Genetics Applied to Livestock, Leipzig, Germany, 1-6 August, 2010.
22. International camel conference under the theme of "Camel Research and Development: Enhancing Sustainable Livelihood of Ethiopian pastoralists". Oct 27-28, 2011, Ethiopia.
23. National workshop on camel biodiversity, 4-5 December, 2011, Ryadh, Saudi Arabia, under the saupices, under the auspices of Food and Agriculture Organization of the United Nations and Ministry of Agriculture of the Kingdom of Saudi Arabia.
24. Visting professor at Roslin institute, during the period 6th july-15th August, 2012. Analyze data on genome wide selection for genetic of disease resistance in Blackface sheep using High-density SNPs.

The community:

- I have contributed to the development of newly reclaimed areas in Egypt through giving lectures and conslutaltions given several lectures to the newly graduates as well as the animal breeders of Egypt on the issue of animal improvement and the importance of designing breeding programs which is greatly needed in Egypt.
- I give lectures and consultations to the small entrepreneurs. This project is established in cooperation with the Ministry of Agriculture to encourage unemployed people to establish small projects in the area of agriculture.

- I am also cooperating with the Egyptian Desert Institute on some projects, mainly on improving the productivity of goats and sheep under the desert conditions.
- I established a statistical genetics lab at The college of Agricultural and Food Sciences, King Faisal University, Saudi Arabia.

Awards and Membership

- The scientific merit of the University of Alexandria, Egypt in the year of 1997.
- Member of the Japanese Society of Animal Breeding and Genetics.
- Member of the Japanese Society of Animal Science.
- Editorial Consultant for the EAAP from January 2005 up to now
- Member in the Editorial board of the World Journal of Agricultural Sciences
- Reviewer in the International Journal of Animal Bioscience (ANIMAL)
- Editor in World Journal of Zoology, International Digital Organization for Scientific Information (IDOSI publications)
- FP7 project reviewer
- Reviewer in Journal of Small Ruminant Research and Open Journal of Animal Science.

References

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