

## CURRICULUM VITAE (C.V.)

**Prof. Dr. Akrum M.M. Hamdy**  
Poultry Physiologist  
Animal Production Department, Faculty of Agriculture  
Minia University, Minia, Egypt



### **Personal Data:**

**Family Name:** Hamdy.

**First Name:** Akrum.

**Full Name:** Akrum zein elabdein Mahmoud Mohamed Hamdy

**Initiation for Publications:** A. M.M. Hamdy

**Date of Birth:** December 3<sup>rd</sup>, 1959.

**Place of Birth:** Cairo, Egypt.

**Nationality:** Egyptian.

**Position:** Professor of Poultry Physiology.

**Home Address:** 3 Ahmed Hossien St. Branched from Road 9. Hadayek El-Maadi, Cairo, Egypt.

**Home Tel.:** + (202) 23794701 or 0106376836

**Work Address:** Department of Animal Production, Faculty of Agriculture, Minia University, El-Minia, Egypt.

**Work Tel.:** + (2086) 2362333. Fax: + (2086) 2362182

**E-Mail:** [akrum312@hotmail.com](mailto:akrum312@hotmail.com)  
[akrum312@yahoo.com](mailto:akrum312@yahoo.com)

**Web Site:** <http://kenanaonline.com/ws/AkrumHamdy>

**Social Status:** Married and have four children (two sons and two daughters).

**Languages:** English, Some Deutsche and Some Dutch.

## Education and Experiences:

**High School:** From 1974 to 1977 (Science Division).

**University:** Faculty of Agriculture, Cairo University (1977-1981).

**Department:** Animal Production.

**Graduation:** Obtained my B.Sc. in 1981 Cairo Univ., Poultry Production.

**Post Graduate:** Obtained my M.Sc. in 1986, Minia Univ., Poultry Physiology.

**Subject:** Climatology.

**Thesis:** *Effect of Environmental factors on some Physiological Characters of Ducks.*

**Doctoral Degree:** Obtained my Ph. D. in 1991 Poultry Physiology, Wageningen Agriculture University, The Netherlands; throughout a channel system.

**Thesis:** *Heat Tolerance of Neonatal Chicks.*

**Positions:** Tutor from 1981 to 1986; Assistant Lecturer from 1986 to 1991; Lecturer from 1991 to 1996. And Assistant Prof. Dr. from 1996 till May 2001, then Professor since June 2001.

**Membership:** 1) Egyptian Association of Animal Production.  
2) Egyptian Association of Poultry Science.  
3) Egyptian Association of Nutrition and Feeds.  
4) Egyptian Association of Reproduction and Fertility in Animals.  
5) Egyptian Association of Animal Physiology.  
6) Egyptian Association of Immunologists.  
7) World Poultry Science Association.  
8) European Life Science Organization. (ELSO)  
9) European Molecular Biology Organization (EMBO).  
10) Member of Agriculture Syndicate.

## Postdoctoral:

1) Institute of Animal Biology Dummerstorf, Rostock, Germany 2000, Sponsored by DFG  
2) Institute of Animal Science, Humboldt University, Berlin, Germany 2007,

## Guest Professor:

1) October 2002, Clinic of Poultry, Vienna Veterinarian University, Vienna, Austria.  
2) Visiting Prof. in Animal Science Departments on Sept., Oct., ,2005 for AERI Institutional Linkage Teaching Methods and Curriculum Development Program conducted by Univ. of Florida and the Ohio State University.

## Number of Publications:

1) **Total Number: From 1991 till now (65 Scientific papers).**  
2) **Publications: From 1998 till Now (40 Scientific papers).**

## Teaching Experiences:

I'm teaching the following course for undergraduate and postgraduate students in English as well as in Arabic:

- 1- Histology and Anatomy of Farm Animals.
- 2- Principle of Animal Production.
- 3- Principles of Animal Physiology.
- 4- Principle of Poultry Production

- 5- Poultry Physiology.
- 6- Incubation and Hatching
- 7- Reproduction and Fertility.
- 8- Endocrinology and Adaptation.
- 9- Hematology, Immunity and Poultry Health.
- 10- Advanced poultry Physiology.
- 11- Advanced Animal Physiology.
- 12- Advanced Hematology.

## Training, Courses and Workshop:

**Germany 1987** Kassal Univ., (Nine months training period) Funded by DAAD.

**Poland 1998:** (Regulation & Variability of Animal Genome Expression) Objectives :Merge genetics and physiology. Focus on: Disease resistance and genome regulation in livestock and other animal model species (July, Agricultural University of Cracow).

**The Netherlands 2000:** WorkShop on: Host responses to *S. uberis* infection by microarray analysis and real time PCR. Astrid de Greeff ( August, Animal Sciences Group, Wageningen University, NL).

**Germany 2001:** Immune system modulationworkshop: Toll-like receptors & ligand detection . Molecular Cytogenetic Definition of the Chicken Genome: The First Complete Avian Karyotype (January and February, Institute of Animal Biology Dummerstorf, Rostock).

**France 2002:** Immunoglobulin allotypes: chicken Workshop: Avian tumor viruses: Genetic control of susceptibility to the avian leukosis complex ( July, *Jouy-en-Josas Research Centre*).

**Austria 2002:** Work shops on 1)Chicken MHC and Leukemia 2) Avian beta-defensin nomenclature ( October, Clinic of Poultry, Vienna Veterinarian University, Vienna).

**France 2003:** Linkage of the major histocompatibility (*B*) locus and the nucleolar chicken: organizer in the *Jouy-en-Josas Research Centre* ( July)

**Italy 2004:** Advances in Immunology and Vaccine Discovery. Update on Cytokine/Anti-Cytokine Strategies in the Treatment of IBD. Maurizio Vecchi, University of Milan, Milano, Italia(August).

**USA 2005:** Faculty Development Program: Musia Project (USAID): Several work shops in Egypt and one month in 2005 Florida, USA.

**Turkey 2005:** Mutations in Influenza A Virus (H5N1) and Possible Limited Spread. Acibadem Genetic Diagnosis Center, Istanbul, (August).

**Germany 2007:** The simple chicken major histocompatibility complex: life and death in the face of pathogens and vaccines (February/ March, Institute of Animal Science, Humboldt University, Berlin).

**Attendance** of "The General English Course: Upper Intermediate Level " held on Feb. 18 – May 16 2004. Conducted by USAID : Institute International Education , AMIDEAST, Egypt.

**The international** conference of genetic Engineering and its applications. Sharm El-Sheik City Sinai, Egypt April, 8-11 ,2004.

**Participation** in the "Introduction to Animal Science Course Development workshop" . AERI Institutional Linkages Project. Midwest Universities Consortium For International Activities Capacity Building Component. Cairo, June 19<sup>th</sup> - 23<sup>rd</sup>, 2005.

**Participation** in the " ندوة الجوانب القانونية " Faculty And Leadership Development

The 2<sup>nd</sup> **international** conference for the Scientific researches. Cairo Univ. Dec.2005.

**Participation** in the "Peer Review and Evaluation workshop" . AERI Institutional Linkages Project. Midwest Universities Consortium For International Activities Capacity Building Component. Assuit University . Dec., 2005.

**Participation** in the "Reproductive Physiology And Management Workshop" . AERI Institutional Linkages Project. Midwest Universities Consortium For International Activities Capacity Building Component. Assuit University Jan. ,2006.

ندوة (جنون البقر و الحمى القلاعية) جامعة المنيا – كلية الزراعة الأحد 13 مايو 2001م

**Attendance** an intensive Course on "Enzymes and protein purification". Alex. Univ. Institute of graduate studies & research (IGSR). Aug., 2001.

Minia 1<sup>st</sup> **conference** for Agriculture and Environmental Science, Minia University, Minia, Egypt, March, 2002.

The 1<sup>st</sup> **Egyptian & Syrian conference** " Agriculture and food in the Arabic Nations. El-Minia Univ Dec. (2003).

## Computer Skills:

Office ( Microsoft word, power point, outlook, flash, excel and access). Graphics, Multimedia, telecommunications, internet and ECDL / ICDL . Statistics (SAS).

## Projects:

1- ASSESSING THE IMPORTANCE OF GENETIC VARIATIONS IN THE HEAT STRESS RESISTANCE OF SHEEP. Minia University, Egypt From March 2003 to March 2007: Partner; The Main Investigator is Prof. Dr. M.A. AlBarody (profelbarody@yahoo.com)

2- The different aspects of pathology, diagnosis and treatment of Poultry diseases. BIOPATHOLOGICAL SCIENCES AND ANIMAL AND FOOD PRODUCT HYGIENE. Università degli Studi di Perugia. Italy. From Oct., 2007 to Sept., 2009.

Partner with (Prof. Giovanni Vitellozzi Via San Costanzo, 4-06126 Perugia [pgpatvet@unipg.it](mailto:pgpatvet@unipg.it) )

3 - Development of a Spore-forming Stable Probiotic for Human and Animal Use. DIVISION OF AGRICULTURE, ARKANSAS BIOSCIENCES INSTITUTE The Arkansas Biosciences Institute (ABI) From Jan., 2008 to Dec., 2010.

Partner with ( Prof. Dr. Guillermo Tellez, D.V.M., Ph.D., Res. Professor, [gtellez@uark.edu](mailto:gtellez@uark.edu) )

## **Supervisor of M.Sc thesis:**

- 1- Enhancing semen quality of Hubbard parent cockerels during the second year of production.  
(Mr. Alam ElDein Hassona, the degree awarded 1997).
- 2-Effect of polyunsaturated fatty acids on some immune responses of broiler chicks.  
(Mr. Zenhom Ismail, The degree awarded 2001)
- 3- Some productive and physiological aspects related to water pollution of broiler chicks.  
(Mr. Fathy AbdelLatif, the degree awarded 2002)
- 4- Effect of Aflatociens in broiler diets on some productive and physiological characteristics.  
(Mr. Hamada A. Hamad , The degree awarded 2007)
- 5- Effect of chromium in broiler diets on some productive, physiological and immune responses.  
(Mr. Mohamed M . Saleh, The work is in progress)
- 6- Effect of dietary fenugreek on some productive, physiological and immune responses in Japanese quail.  
(Ms. Marian Hana , The work is in progress)
- 7- Effect of dietary sulpheric amino acids on some productive, physiological and immune responses in broiler chicks.  
(Mr. Mohamed Magdy, The work is in Progress).
- 8-- Effect of dietary Ginseng on some productive, physiological and immune responses in broiler chicks.  
(Mr. AboulKasein AbouBakr, The work is in Progress).

## **Supervisor of Ph. D thesis:**

- 1- Effect of dietary energy levels on productive performance of laying hens during winter and summer seasons.  
(Mr. Kamel Atta, the degree awarded 1997)
- 2- Effect of human choronic gonadotropin (HCG) on productive and reproductive performance of chickens.  
( Mr. Hosam Hassanien, the degree awarded 2001)
- 3- Effect of dietary vitamin A on some productive performance and some immune responses of broiler chicks.  
(Mr. Zenhom Ismail, the degree awarded 2005)
- 4- Effects of dietary amino acids on some productive performance and some immune Responses of broiler chicks.  
(Mr. Abdullah Aly, the degree awarded in 2007)
- 5- Effects of dietary some medical herbs on some productive performance and some immune Responses of Japanese Quail.  
(Mr. Hamada A. Hamad , The work is in Progress)

## **Member of Discussion Committee for Ph. D & M. Sc Thesis:**

- 1- Enhancing semen quality of Hubbard parent cockerels during the second year of production.  
(M. Sc. , Minia Univ.,the degree awarded 1997).
- 2- Effect of dietary energy levels on productive performance of laying hens during winter and Summer seasons.  
(Ph. D, Minia Univ., the degree awarded 1997).
- 3- Effect of polyunsaturated fatty acids on some immune responses of broiler chicks.  
( M. Sc. Minia Univ.,the degree awarded 2001)
- 4- Effect of some probiotics on productive and reproductive performance of rabbits.  
( Ph. D , Minia Univ.,the degree awarded 2002 )
- 5- Some productive and physiological aspects related to water pollution of broiler chicks.  
( M. Sc. Minia Univ.,The degree awarded 2002)
- 6-Influence of Microbial phytase on physiological and productive traits of Japanese Quail.  
( M. Sc. Alexandria Univ., The degree awarded 2003)
- 7-Effect of dietary vitamin A on some productive performance and some immune responses of broiler chicks.  
(Ph.D. Minia Univ. The degree awarded 2005)
- 8- Effect of saturated and unsaturated fatty acids ratio on some productive and reproductive traits and immune responses of commercial laying hens.  
( M. Sc. Sana'a univ., Yemen Republic 2006).
- 9- Using some protein sources in broiler nutrition.  
(Ph.D. Minia Univ.,The degree awarded 2006)
- 10- Influence of North Sinai Condition on some productive and physiological responses in Japanese quail.  
( M. Sc. Suez Canal Univ.,,The degree awarded 2006)
- 11-Effects of dietary amino acids on some productive performance and some immune Responses of broiler chicks.  
(Ph.D. Minia Univ. The degree awarded 2007)
- 12- Effect of addition of Ginseng on immune and physiological responses of broilers.  
( M. Sc. Alex. Univ., Damanhour Branch.,The degree awarded 2007)
- 13- Effect of Aflatoxins in broiler diets on some productive and physiological characteristics.  
(M. Sc. .Minia Univ.,, The degree awarded 2007)
- 14- Seasonal effects on production and economic efficiency of broiler chickens in Alexandria Governorate.  
(M. Sc. .Alex. Univ.,, The degree awarded 2008)

## **Member of Promotion Committee for some Arabic University staff:**

- 1- Dr. Esa H. El-Mishdany (2002); (Animal Production Department, Faculty of Agriculture, Baghdad University, Arab Republic of **Iraq**) Promoted to: Position of Professor of Poultry Physiology.
- 2- Dr. Abdel Wally S. Al-Aghbari (2002); (Animal Production Department, Faculty of Agriculture, San'a University, Arab Republic of **Yemen**) Promoted to: Position of Professor of Poultry Physiology.

- 3- Dr. Khalid A. M. AlMaktary (2007); (Animal Production Department, Faculty of Agriculture, San'a University, Arab Republic of **Yemen**) Promoted to: Position of Assistant Professor of Poultry Physiology.

## Scientific Meetings and Conferences:

**National meeting** (since 1991 I have joined all the biyear conferences of each of the Egyptian Association of (Animal Production, Poultry Sciences, Nutrition and feeds, Animal Physiology, Reproduction and Fertility in Animal, and Immunologists)).

**National Conferences:** Egyptian Association of Animal Production (Assuit 1998; Alexandria 2000). Egyptian Association of Poultry Science (Alexandria 1995). Egyptian Association of Nutrition and Feeds (Minia 1997; Al-Arish 1999; Sharm El-Shahk 2001). Egyptian Association of Reproduction and Fertility in Animals (Sharm El-Shahk 2001; Ghardaka 2002, Luxor 2003, Aswan 2004, Minia 2005, Ras Seder 2006, Fayoum 2008, Hurgada 2009). Second World water fowl conference (April, Alexandria2003). Research Institute of Animal Production (Sahka Kafer El-Shahk 2000).

**International Conferences:** I have attended the first & second meeting of the Hungarian & Egypt poultry Science (Hungary, 1993 &1996). The EAAP {European Association of Animal Production) conferences (Poland, 1998, Switzerland, 1999, Holland 2000). The American Poultry science (USA Indianapolis, 2001). 6<sup>th</sup> European Symposium on Poultry Welfare (Switzerland, 2001). The second meeting of the European Life Sciences Organization ELSO, Nice, France, 2002. The 6<sup>th</sup> European Conference Endocrinology, (Lyon. France 2003). World poultry science (Turkey, 2004); World veterinary poultry congress (Turkey, 2005). European Life Science Organization (Nice, France 2008). The First International Conference on Food Sciences and Biotechnology (Hamous, Syria, Nov., 2008). 5<sup>th</sup> World Poultry Conference Taba, Egypt 2009).

## Consultations

- 1- Peer reviewer for the "Faculty Developing Program in Sana'a University, Yemen, 2006.
- 2- Peer reviewer for the "Faculty Developing Program in Zamar University, Yemen, 2007.
- 3- Involved in Scientific Committee for the 12th World Veterinary Poultry Conference Istanbul, Turkey 2005.
- 4- Involved in Scientific Committee for the 5<sup>th</sup> World Poultry Conference Taba, Egypt 2009.
- 5- Consultant of private fish farms.

## Awards and Recognitions

- 1- The Professor of the Year 2009 Faculty of Agriculture, Minia University, Egypt.
- 2- The best presented article Prize (12<sup>th</sup> World Veterinary Poultry Conference, Istanbul, Turkey 2005).
- 3- Prize of the best presented article (First International Food Science and Biotechnology Conference, Homes, Syria 2008).
- 4- One of the best ten electronic Web site (From Kenanaonline), 2008.
- 5- Prize of the best developed Course Syllabus, Florida, USA, 2005.

6- جائزة دائرة التقويم و التطوير الأكاديمي عن عمل ورشة عمل حول (تطوير قدرات أعضاء هيئة التدريس في تنمية المهارات التعليمية للطلاب) جامعة نمار – الجمهورية اليمنية 2007

## Internet Search for:

Search for (Akrum Hamdy OR A.M.M. Hamdy Or Hamdy Akrum).

## Educational Developing Programs (EDP).

I have designed my own programs, expressing my experiences.

P.S: **Web Site:** [www.kenanaonline.com/ws/AkrumHamdy](http://www.kenanaonline.com/ws/AkrumHamdy)

## Books

- 1- Poultry Diseases Drs. Gullermo Tellez, Akrum Hamdy and Billy Hargis (English Version).2008
- 2- Poultry Diseases Drs. Gullermo Tellez, Akrum Hamdy and Billy Hargis (Arabic Version) Translated by Akrum Hamdy. 2009
- 3- Rabbit Production (Akrum Hamdy) 2006
- 4- Poultry Immunity (Akrum Hamdy and Gullermo Tellez) 2005.

## Extension Interests:

My extension program deals with issues related to physiological changes of commercial poultry, with an emphasis on broilers, laying hens, quail and ducks. Topics include heat stress, reproduction and immunity. Feed formulation technology, quality and nutritional value of ingredients, efficacy of feed additives and nutritional factors that affect enteric development, increase tolerance to hot climate, improve health and immunity are in my considerations.

## Research Interests:

My research interests complement my extension activities: applied physiological research of commercial poultry and utilization of agricultural co-products as feed ingredients for poultry. Most of my research is done in the following areas1) **Environmental Physiology:** Anti heat stress substances affect the performance and enteric metabolic changes. 2) **Reproduction:** Using several steroid hormones to elevate the production rate and improve the semen quality for low producing chicken strains, local strains and water fowl. 3) **Immunity: Immunosuppression;** Nutritional factors that affect metabolic activities, immune function, skeletal development, enteric development, reduce mortality and growth characteristics.4) **Endocrinology:** Use of supplemental substances to improve feed utilization, hormonal functions improve health and humoral as well as cell mediated immunity.

## External Reviewer for:

Egyptian Journal of Poultry Science.  
Indian Journal of Veterinary Science.



Asian Journal of Animal and Veterinary Advances  
International Journal of Virology  
Asian Journal of Animal Sciences  
Asian Journal of Poultry Science  
Research Journal of Immunology

## ASSOCIATE EDITOR

[Asian Journal of Animal and Veterinary Advances](#)

[Asian Journal of Animal Sciences](#)

[Asian Journal of Poultry Science](#)

[International Journal of Virology](#)

[Research Journal of Immunology](#)

## REFERENCES

- 1- Prof. Giovanni Vitellozzi Via San Costanzo, 4-06126 Perugia, Italy  
([pgpatvet@unipg.it](mailto:pgpatvet@unipg.it)).
- 2- Prof. Dr. Guillermo Tellez, D.V.M., Ph.D., Res. Professor DIVISION OF  
AGRICULTURE, ARKANSAS BIOSCIENCES INSTITUTE  
The Arkansas Biosciences Institute ([gtellez@uark.edu](mailto:gtellez@uark.edu)).
- 3-Prof. Dr. Gerhard Manteuffel, Institute of Animal Physiology, Dummerstorf, Rostok,  
Germany. ( [manteuff@fhn-dummerstorf.de](mailto:manteuff@fhn-dummerstorf.de))
- 4- Prof. Dr. Michel Hess. Poultry Clinic, Veterinary University Vienna ([Michael.hess@VU-Wien.ac.at](mailto:Michael.hess@VU-Wien.ac.at))
- 5-Prof. Dr. Ben Mather, Florida University, Poultry Science Department.  
([mather@animal.ufl.edu](mailto:mather@animal.ufl.edu))

## List of Publications

- 1) **Hamdy, A.M.M**, A. Abd El-Latif, K. A. Ghaly and M. K. Khalil (2012).  
Some Physiological and Immunological Responses of Citric Acid Supplementation in Japanese  
Quail Diets. World Poultry Conference- Egyptian Poultr Sci., Marina, Egypt
- 2) Abd El-Latif,S. A. **A.M.M. Hamdy**, K. A. Ghaly and M. K. Khalil (2012). Effect of dietary  
citric acid on some productive characteristics of growing Japanese quail World Poultry Conference-  
Egyptian Poultr Sci., Marina, Egypt
- 3) **Hamdy, A.M.M (2011)**. [Hen egg yolk antibodies](#). *Egyptian Soc. Anim. Reprod. Fert.*. 35  
-41
- 4) **Hamdy, A.M.M (2011)**.The Poultry Sector in Middle- income Countries: The Case of  
Egypt. The First OIE Global Conference on Veterinary Legislation, Tounis
- 5) **Hamdy, A.M.M.**, (2011). Chicken's Embryonic Stem Cells. European Molecular Biology  
Organization (EMBO). Vienna, Austria.
- 6) **Hamdy. A.M.M** (2009). Ammonia and poultry welfare. 8<sup>th</sup> European

Symposium on Poultry welfare. Cervia, Italy

- 7) **Hamdy, A.M.M** and Abd ElMoty Kh. I . Abd ElMoty (2009) Effects of Feed Restriction and Duration of the Reproduction Period on Reproduction Hormones and Follicular Development in Broiler Breeder Hens. Accepted for the 5<sup>th</sup> world poultry conference (Taba –Egypt)
- 8) **Hamdy, A.M.M.** and A.M. M. AlMulsi (2009). Brooding Temperatures for Small Poultry Flocks. Accepted for the 5<sup>th</sup> world poultry conference (Taba –Egypt)
- 9) Tellez. G.A, **A.M.M. Hamdy** and B. M. Hargis (2009) Digestive Physiology and the Role of Microorganisms. Accepted for the 5<sup>th</sup> world poultry conference (Taba –Egypt)
- 10) **Hamdy. A.M.M.**, and G.A. Tellez. (2009) CHICKEN'S LYMPHATIC SYSTEM And IMMUNITY. Accepted for the 5<sup>th</sup> world poultry conference (Taba –Egypt)
- 11) **Hamdy, A.M.M**, S. A. Abdel-Latif, M. A. H. Soliman, <sup>AG.M.Abdalla</sup>and Z. S. H. Ismail (2009). EFFECT OF DIETARY VITAMIN A ON SOME IMMUNE RESPONSES OF BROILER CHICKS Accepted for the 5<sup>th</sup> world poultry conference (Taba –Egypt)
  
- 12) **Hamdy, A.M.M. (2008).** Factors affecting poultry meat quality. 1<sup>st</sup> International conference of food sciences and biotechnology, Homs, Syria
- 13) **Akrum Hamdy** (2008) Overview of the Poultry Industry In Egypt. Middle East and North Africa (MENA) Region Animal Wealth Research Conference, Egypt
- 14) **Akrum Hamdy** (2008) Sex Steroid Hormones Enhance Immune Function in Male and Female Chickens. Accepted for European Life Science Orginaziation, Nice, France.
- 15). **Hamdy A.M.M**, (2008) Sex reversal in chicken. *Egyptian Soc. Anim. Reprod. Fert.* 25 -29.
- 16) **Hamdy A.M.M.**, Attiat H. EL- Bogdady, S. A. Abd El-Latif and H.A.M. Elwan (2008). Alleviation the harmful effects of aflatoxins in Japanese quail diets: 1- productive performance .Accepted: Poultry Sci., Canada.
- 17) Attiat H. EL- Bogdady, **A.M.M. Hamdy**, S. A. Abd El-Latif and H.A.M. Elwan (2008). Alleviation the harmful effects of aflatoxins in Japanese quail diets: 2- Immune Responses. Accepted: 29<sup>th</sup> World Vet. Conf., Canada.
- 18) Abd El-Latif . SA., Attiat H. EL- Bogdady, **A.M.M. Hamdy**, and H.A.M. Elwan (2008). Alleviation the harmful effects of aflatoxins in Japanese quail diets: 3- Metabolic functions. Accepted: EAAP 2008 Vilnius, Lithuania .
- 19) Osman, A.M., **A.M.M. Hamdy**, M.A. Toson, H.H. Hassanein and A.H.H. Ali (2007). EFFECTS OF CA-AMINOPLEX INJECTION ON SOME PRODUCTIVE PERFORMANCE AND IMMUNE RESPONSES OF BROILER CHICKS. *J. Agric. Sci., Mansoura Univ.*, 32 (1): 211-220.
  
- 20) Hamdy, A.M.M. (2006). Lymphatic System and Immunity of chickens. 12<sup>th</sup> European Poultry conference, Verona, Italy: 43.
- 21) **Hamdy A.M.M.**, (2005). SOME IMMUNE RESPONSES RELATED TO FEED RESTRICTION IN LAYING HENS. XII. World Veterinary Poultry Conf., Istanbul. Turkey.
- 22) **Hamdy, A.M.M** and A.M AlMulsi (2004). DIGESTIVE ORGAN AND ENZYME ACTIVITY DEVELOPMENT IN TWO STRAINS OF BROILER CHICKS. *Yemen J. of Sci.* 12: 21-29
- 23) **Hamdy, A.M.M** and A.M AlMulsi (2004). BROILER CHICKS PHOSPHORUS REQUIREMENT DURING THE GROWING PERIOD  
*Yemen J. of Sci.* 13: 101-112.
  
- 24) **Hamdy, A.M.M.**, 2003. REGULATION OF EGG PRODUCTION AND SOME BLOOD

- SERUM HORMONES OF PEKIN DUCKS. *Egyptian Soc. Anim. Reprod. Fert.* 121:127.
- 25) **Hamdy, A.M.M.**, 2003. Immunity and Immune responses in Ducks. 2<sup>nd</sup> World Waterfowl Conference. April: 68.
  - 26) **Hamdy, A.M.M.**, N.M. Esa and E.A. El-Malt, 2002. EFFECTS OF DIETARY MIXED OILS ON SOME PRODUCTIVE PERFORMANCE AND STEROID HORMONES IN LAYING HENS. *Egyptian Soc. Anim. Reprod. Fert.* 173:179.
  - 27) Abd El-Hakeam, A.A., A.K.I. Abd El-Moty, A.H. Bogdady, **A.M.M. Hamdy** and Hassanein, 2002. THE EFFECT OF HUMAN CHORIONIC GONADOTROPHIN (HCG) INJECTION ON SOME REPRODUCTIVE PERFORMANCE OF FAYOUMI CHICKENS. *Egyptian Soc. Anim. Reprod. Fert.* 247: 258.
  - 28) **Hamdy, A.M.M.**, N.M. Esa and A. A. Bakir, 2001. PREDICTION OF EGG PRODUCTION BY SOME BODY MEASUREMENTS AND SERUM STEROID HORMONES. *Egyptian Poultry Sci., Vol 21 (3):235-246.*
  - 29) **Hamdy, A.M.M.**, A.K.I. Abd ElMoty, A.H. El-Bogdady, A.A. AbdEl-Hakeam and H.H . Hassanein, 2001. OVARIAN AND TESTICULAR HISTOLOGICAL CHANGES RELATED TO HUMAN CHORIONIC GONADOTROPIN ADMINISTRATION IN CHICKENS. *Egyptian Soc. Anim. Reprod. Fert.* 133:139.
  - 30) **Hamdy, A.M.M.**, and S.A. Abd El- Latif, 2001. INFLEUNCE OF EGG INJECTION IN DIFFERENT PLACES BY VITAMIN E AND SODIUM SELENITE ON HATCHABILITY AND SUBSEQUENT PRODUCTIVE PERFORMANCE. *Egyptian Soc. Anim. Reprod. Fert.* 141:146.
  - 31) **Hamdy, A.M.M.** and G. Manteuffel, 2001. INDUCED CHICKEN NTK BY DIETARY AMINO ACIDS. *Arch. Tierz.* 43: 121-130
  - 32) **Hamdy, A.M.M.**, and G. Manteuffel, 2001. CHICKEN IMMUNE RESPONSES RELATED TO NOISE STRESS. *J. Immune. Sci.*; 32: 67-74.
  - 33) **Hamdy, A.M.M.**, and N.M. Esa, 2001. OPTIMIIZING REQUIREMENTS OF CALCIUM FOR LAYING HENS. *Egyptian J. Nutrition and Feeds (Special Issue)*. 6 of 8
  - 34) **Hamdy, A.M.M.**, and N.M. Esa, 2001. EFFECTS OF MIXTURE OILS ON SOME IMMUNE RESPONSES OF LAYING HENS. *Egyptian J. Nutrition and Feeds (Special Issue)*.
  - 35) **Hamdy, A.M.M.**, and K. Siebart, 2001. MODULATION OF THE CHICKEN IMMUNE CE;; FUNCTION BY DIETARY SULFER AMINO ACIDS. *Arch. Tierz.* 44: 142-150.
  - 36) **Hamdy, A.M.M.**, G. Manteuffel, and K. Siebart., 2001. BIOLOGICAL RESPONSE MODIFIERS, INTERFERONS, INTERLEUKINS AND TRANSFER FACTOR OF BROILER CHICKS. *J. Immune. Sci.*, 34: 1-9.
  - 37) **Hamdy, AM.M.** (2001). Incubation behaviour expression in turkey hens. 6<sup>th</sup> European Symposium on Poultry Welfare. Zollikofen, Swizerland: 54-58.
  - 38) **Hamdy A.M.M.**, (2001). CHICK'S SEX DIFFERENCES RELATED TO SOME HATCHING PARAMETERS. *Poultry Sci., Conf., Indianapolis. USA*
  - 39) **Hamdy, A.M.M.**, 2000. EGG INJECTION. *Proc. Conf. J. Anim. Prod Alex.*, 122-129.
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