

Arab Republic of Egypt
Ministry of Higher Education
Cairo University
Faculty of Veterinary Medicine



جمهورية مصر العربية
وزارة التعليم العالي
جامعة القاهرة
كلية الطب البيطري

Curriculum Vitae

Mohamed Mahmoud Mahmoud Zaki

CONTACT

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PERSONAL

Languages: Arabic (native), English and French

International experience: Extensive in Saudi Arabia, USA and Portugal; also France, Canada, Syria, Turkey, Kuwait and Singapore. Also, lectured in 8 countries

Interests: Animals and human sciences.

ACADEMIC BACHGROUND

Post-doctor: Avian Medicine, New York State College of Veterinary Medicine,
Cornell University, Ithaca, NY, USA.

Ph.D. Veterinary Medical Sciences (minors: Avian Diseases), Cairo University, Egypt
1986

M.V.S. Veterinary Medical Sciences (minor: Avian Diseases), Cairo University,
Egypt, NY, 1983

B.V.S. Animal Medicine and Surgery, Cairo University, Egypt 1979

ACADEMIC TITLE: Professor

JOB TITLE: Professor of Poultry Diseases, Cairo University.

FIELD : Infectious Diseases.

SUB FIELD: Viral, bacterial and Parasitic Diseases. Immunology

EXPERTISE

1. Has a wide interest in Microbiology, Virology, Animal and Human Health, and particularly in **improving the linkage of animals and human health and well being**.
2. Has a particular experience in laboratories bio-safety and infective samples handling.
3. Has a wide experience in detection of pathogenic bacteria and viruses in biological samples including tissues, body fluids, swabs, exudates, etc.
4. Has a wide experience in detection of antibodies against viruses and bacteria in sera of infected individuals using recent techniques e.g. ELISA.
5. Has a wide experience in examination of samples for parasites (ecto- and endo-parasites).
6. He is recognized as one of the leaders in Infectious Diseases, having published widely and conducted research ranging from fundamental studies with cultured cells and animal models.
7. He is the 1st to conceive and teach an academic trainings linking *Birds and Human Avian Influenza* at King Fahd Hospital in Al-Hasa, Eastern Province, Saudi Arabia.
8. Principle and co- investigators of 6 research projects dealing with environmental contamination with viruses and bacteria with their relationship to immunity that were funded by USA-AID and King Faisal University, KSA.
9. He is the 1st in his field **awarded 54 credit hours** from the Saudi Council of Medical Specializations.
10. He was the main speaker in the King Faisal Hospital Programs for continuous education for 2 years.
11. Attended 21 international conferences in Canada, England, Netherlands, Brazil, Singapore, Syria, Saudi Arabia, Kuwait, Sri Lanka and Bulgaria.
12. His current research addresses the role of backyard birds in spreading Avian Influenza among village's communities in Egypt through implementation of biosecurity measures.
13. He is a member of Promotion Committee for Assistant professors and full Professors in The Supreme Council of Universities.
14. He is a member of editorial board of three designated scientific medical journals.
15. He is a member of American Association of Avian Pathologists.

POSITIONS :

Position	Name and Location	From	To
Demonstrator	Department of Animal Medicine and Poultry, Faculty of Veterinary Medicine, Cairo University.	1979	1983
Assistant Lecturer	Department of Animal Medicine and Poultry, Faculty of Veterinary Medicine, Cairo University..	1983	1986
Lecturer	Department of Animal Medicine and Poultry, Faculty of Veterinary Medicine, Cairo University.	1986	1991
Assistant Professor	Department of Poultry Diseases, Faculty of Veterinary Medicine, Cairo University.	1991	1996
Professor	Department of Poultry Diseases, Faculty of Veterinary Medicine, Cairo University.	30/7/1996	2001
Professor	Department of Clinical Studies, College of Veterinary Medicine & Animal resources, King Faisal University	2001	2009
Professor	Department of Poultry Diseases, Faculty of Veterinary Medicine, Cairo University.	2009	2010
Professor and Head Department	Department of Poultry Diseases, Faculty of Veterinary Medicine, Cairo University.	August 2010	August 2013
Professor	Department of Poultry Diseases, Faculty of Veterinary Medicine, Cairo University.	August 2013	Till now

RESEARCH ACTIVITIES:

1. Published 50 research paper in the field of avian viral, parasitic and bacterial diseases (a list of publication is enclosed) in different national and international specialized scientific journals and conferences.
2. Supervised 29 Master and Ph.D. thesis of avian diseases and Microbiology in Cairo University, Egypt. Also, supervised a Master thesis of Avian diseases in College of Veterinary Medicine and Animal Resources, King Faisal University, Saudi Arabia.
3. Co-investigator in a research project in Cairo University titled "**Effect of specified environmental factors on the immune system of chicks**" funded by USA under No. 345 NARP (*National Agricultural Research Projects*).
4. Awarded a five-month research fellowship funded by USA government in Department of Avian and Aquatic Animal Medicine, New York State College of Veterinary Medicine, Cornell University, Ithaca, New York, USA, and worked on their research program on chicken infectious anemia from February, 1990 to July, 1990
5. Co-investigator in a research project during the period between 1993 and 1994 with the Serum and Veterinary Vaccines Production Unite, National Veterinary Serum and Vaccines Research Institute, Agriculture Research Center, Ministry of Agriculture, Egypt, to develop bivalent vaccine against infectious coryza of chickens. We succeeded in preparation a potent vaccine that produced and distributed to poultry farms since 1994 until now.
6. Co-investigator in a research projects in National Veterinary Serum and Vaccines Research Institute, Agriculture Research Center, Ministry of Agriculture, Egypt, since October 1997 to develop three potent vaccines against E.coli infection in chicken, paramyxovirus infection in pigeons and rabbit hemorrhagic viral enteritis.
7. Principal investigator of the research project # 6014 titled "**FIELD SURVEY ON THE INCIDENCE OF SOME IMMUNOSUPPRESSIVE VIRUSES AMONG BROILER FARMS IN EASTERN PROVINCE OF SAUDI ARABIA**" Started in March 2005 and ended at 2007 funded by Deanship of Scientific Research, King Faisal University, Saudi Arabia.
8. Co-investigator of the research project # 90050 titled "**STUDY ON THE INCIDENCE OF EGG DROP SYNDROME IN SOME LAYING FARMS IN EASTERN PROVINCE OF SAUDI ARABIA**" Started in March 2007 funded by Deanship of Scientific Research, King Faisal University, Saudi Arabia.
9. Co-investigator of the research project titled "**STUDY ON ASPERGILLUS INFECTION IN OSTRIC IN SAUDI ARABIA AND ITS IMPLICATIONS ON HUMAN HEALTH**" Started in March 2006 funded by Deanship of Scientific Research, King Faisal University, Saudi Arabia.

TRAINING COURSES :

1. Attend a training program at University of California Veterinary Diagnostic Laboratory System, Davis, California, USA in 16-24 June 1990. The training was conducted on the current diagnostic techniques utilized in virology section under supervision of Dr. Anthony Castro and Staff Research Associate Bruce Reynolds. A part of this training was a field visit to Nicholas Turkey Breeder Farms, accompanied by Dr. Sharon Hietala the Chief of Immunology Section in the laboratory, during which the very rigorous disease control practice and utilization of extensive laboratory support for their program were demonstrated.
2. Successfully participated in the International Cell Research Organization (**ICRO**) Training Course on “Molecular Response of Cells to Stress” that organized by and conducted in the Center of Experimental Cytology and Biomedical Institute of the University of Porto, Portugal during the period 11-23 October, 1992. ICRO is one of the organizations of United Nations Educational, Scientific and Cultural Organization (**UNESCO**). The course consisted of lectures and practical sessions that included: Oxidative stress; Professional phagocytes-section of oxygen and nitrogen radicals; Stress proteins and immunity; Free radicals and oxidative stress; Yeast gene expression; Cell cycle and the stress response; Stress response of yeast; Stress tolerance; Paper discussions. 13 students attended the course from 10 countries selected from 45 applicants.
3. Completed a training course on Coccidiosis and Coxistac[®] ELISA conducted and arranged by Animal Health Division of Pfizer-Egypt during September 1995. The training which was conducted by Dr. Vincent Guyonet (USA) included lectures and practical session on the use of ELISA system in detection (qualitative and quantitative) Salinomycin, antibiotic-anticoccidial, in poultry feed. New portable ELISA system produced by Neogen Company, USA was used in practical session.

EDITORIAL BOARD MEMBERSHIP:

1. **EC Veterinary Science (ECVE)** is a multidisciplinary, internationally peer-reviewed journal that covers a broad spectrum of topics that include all the scientific and technological aspects under veterinary sciences like pathology, parasitology, infectious diseases, veterinary medicine, animal husbandry, host-pathogen interaction in animals and all the areas focusing on veterinary field. The journal desires to provide information in an expeditious way regarding advances in veterinary sciences.
2. **Journal of Dairy, Veterinary & Animal Research (JDVAR)** aims towards providing quality content and information on Dairy, Animal Research and Veterinary. In the present situation, the technological advancement is essential in order to rear animals in the farm.
3. **International Journal of Medicinal Plants and Alternative Medicine (IJMPAM)** (ISSN 2327-560X) **Impact Factor (UIF) (0.6250)** where we bring the highest quality research to the widest possible audience as well as provide authors with excellent level of services.

APPLIED FIELD ACTIVITIES:

1. Participating in the different field activities carried out by The Center for Veterinary Analysis and Applied Studies, Faculty of Veterinary Medicine, Cairo University. Such activities include: diagnosis of disease problems in poultry samples received from different producing farms in Egypt, giving lectures on diseases of poultry in many training courses carried out for field veterinarians.
2. Participating as a trainer in the training courses of the Egyptian International Center of Agriculture (*EICA*) in every year since 1994 until 2001 by giving lectures on some parasitic Diseases of Ducks and Turkeys. The courses specialized in poultry production and disease control in different countries with special reference to tropical areas. Many veterinarians and agronomists attended such training courses from Africa, Asia and Latin America.
3. Writing a chapter about Chicken Infectious Anemia in Chickens in the 3rd edition (1993) of the book published by Center for Analysis and Veterinary Applied Studies, Faculty of Veterinary Medicine, Cairo University.
4. Writing a chapter titled "COCCIDIOSIS ETIOPATHOLOGY" in the manual of *Pfizer International Training Course on Poultry Coccidiosis*, Cairo, April 14-20, 1995. Also, making a presentation on the effect of coccidiosis on the nutritional status of chickens and participating in workshop organization. International speakers were participated in such course, which was attended by 35 trainees from Egypt, Kingdom of Saudi Arabia, Algeria, Syria, Yaman, Morocco and Turkey.
5. Participated as a trainer in the training courses that arranged by Giza Veterinary Authority for field practitioners in 1992, 1993 and 1994.
6. Participated as a trainer in the training courses that arranged by Al-Hasa Veterinary Authority, Eastern Province, Saudi Arabia for field practitioners during 2002-2009.
7. Participated in many field missions to provide technical assistance to farmers and projects of poultry in Giza and Assuit areas of Egypt's countryside from 1980 to 1994, and from 1996 until 2001.
8. Gave lectures on Poultry Diseases through Video-Conference to veterinarian teaching animal health to Agriculture High Schools students that conducted and arranged by Ministry of Education, Cairo, October 2000.
9. Member in the committee of production and evaluation of vaccines in the National Veterinary Serum and Vaccines Research Institute, Agriculture Research Center, Ministry of Agriculture, Egypt, since January 1993 until 2001.

CONFERENCES and SCIENTIFIC MEETINGS :

1. Presented two papers one of them on infectious coryza and the other one on infectious bursal disease with special reference to its effect of avian immune system in the **1st Annual Scientific Conference of the Egyptian Veterinary Poultry Association**, Cairo, Egypt 1987.
2. Participated in weekly seminars and chicken infectious anemia reunions at Department of Avian and Aquatic Animal Medicine, New York State College of Veterinary Medicine, Cornell University, USA during the period from February 1990 to July 1990.
3. Presented a paper about the severe outbreaks infectious bursal disease in Egypt during the scientific sessions of the **19th World Poultry Congress** that held at Amsterdam, The Netherlands 20-24 September 1992.
4. Presented papers in the scientific sessions of the **Science Weeks** which arranged by **The Supreme Science Council of Syrian Arab Republic** that conducted in different Syrian universities in 1992, 1993 and 1994. The papers were on the poultry diseases and nutrition-immunity inter-relationship. Many Arabic and international scientists in the field of Veterinary Medicine attended such science weeks.
5. Presented two papers concerning preparation and evaluation of infectious coryza vaccine and the role of Harderian gland in the avian immune system with special reference to infectious bursal disease in the **3rd Annual Scientific Conference of the Egyptian Veterinary Poultry Association**, Cairo, Egypt 1993.
6. Presenting a lecture on "Coccidiosis Etiopathology" in the **Pfizer International Training Course on Poultry Coccidiosis**, Cairo, April 14-20, 1995
7. Participated in the **1st Congress of Faculty of Veterinary Medicine, Alexandria University**, Alexandria, Egypt, September 1995, by presenting a study on Salinomycin (anticoccidial) efficiency in Egypt, Algeria and Morocco.
7. Presenting a paper concerning sudden death syndrome in chickens, in the **11th Congress of the World Veterinary Poultry Association** that held at Budapest, Hungary 18-22 August, 1997.
8. Presenting a paper concerning campylobacteriosis, in **International Conference on Veterinary Medicine and Human Health in the 21st Century** that held at Kuwait, Kuwait 19-21 October 1998.
9. Presenting a paper about characterization of *Haemophilus paragallinarum* using SDS-Page, in the **21st World Poultry Congress** that held at Montreal, Canada 20-24 August, 2000.

10. Presenting a paper titled "Strategy on Salmonella Control in Chickens for Protection Human in Saudi Arabia" in the **1st Meeting of Poultry Production Society in Saudi Arabia**, Riyadh 7-9 Marsh, 2004, Saudi Arabia.
11. Presenting a paper titled "Preventive measures adopted for personnel at a high risk to avian influenza (H5N1)" in the Conference of **Avian Influenza of Falcons and Poultry**, May 24th 2006, College of Veterinary Medicine and Animal Resources, King Faisal University, Saudi Arabia.
12. Presenting a lecture on "**Avian Influenza**" in the Scientific Meeting of Eastern Province Branch of Saudi Society for Medical Microbiology and Infectious Diseases, November 24, 2005, Khobar, Saudi Arabia.
13. Attended the **International Conference on Avian Influenza**, National Guard Officers Club, King Abdulaziz Medical City, Riyadh, Saudi Arabia, November 21-22, 2005.
14. Presenting a lecture on Avian Influenza in the **Mini Symposium on Avian Influenza held at Department of Continuing Education and Postgraduate Studies in King Fahad Hofuf Hospital**, Al Hasa, Saudi Arabia, November 23, 2005.
15. Presenting a lecture on Human at Risk for Avian Influenza in the **Mini Symposium on Avian Influenza held at Department of Continuing Education and Postgraduate Studies in King Fahad Hofuf Hospital**, Al Hasa, Saudi Arabia, January 31, 2006.
16. Attending the **2nd Avian & Pandemic Influenza Training Workshop** organized by the GCC Center for Infection Control and Saudi Society for Public Health in Collaboration with WHO, NAMRU-3 and CDC, Riyadh, Saudi Arabia, January 5-9, 2008.
17. Presenting a lecture on "Diagnosis and Control of Avian Influenza" in the **Workshop of Avian Influenza Control** organized by Saudi Poultry Production Society and Ministry of Agriculture, Riyadh, Saudi Arabia, January 25-26, 2009.
18. Presenting a paper on " Detection of pancreatic ductal carcinoma in chickens " in the **17th World Veterinary Poultry Congress**, Cancun, Mexico 14-18 August 2011
19. Presenting a paper on " Efficacy of some herbal feed additives on performance and control of cecal coccidiosis in broilers " in the **2nd International Conference on Asia Agriculture and Animal (ICAA 2012)**, Singapore July 23-24, 2012
20. Presenting a paper on "Comparative study between the impact of L-ascorbic acid and α -tocopherol acetate on immune response, performance and egg composition of Egyptian Fayomi chickens " in the **International conference of the British society of Animal Science**, Chester, UK, April, 2015.

LIST OF PUBLICATION

- 1) **Evaluation of dried tomato pomace as unconventional feed in broilers diet: Nutritional, zootechnical and immune parameters. (2018).** Hady, M. M., **M.M.Zaki**, and S. R. Anwer, *Agriculture & Food*, vol. 6, issue 6, pp. 52-63.
- 2) **Isolation and Characterization of Psittacine Beak and Feather Disease Virus in Saudi Arabia Using Molecular Technique. (2017).** Hakami, A., A. R. S. Al-Ankari, **M. M. Zaki**, and A. A. Yousif. *International Journal of Avian and Wildlife Biology*, vol. 2, issue 1.
- 3) **Assessment of the broilers performance, gut healthiness and carcass characteristics in response to dietary inclusion of dried coriander, turmeric and thyme. (2016).** M.Hady, M., **M.M.Zaki**, W. A. EL-Ghany, and K. Reda, M.S, "International Journal of Environmental & Agriculture Research (IJOEAR) , vol. 2, pp. 153-159.
- 4) **Effect of certain probiotics on the immune response of Newcastle Disease vaccinated broiler chickens.(2016).** **M.M.Zaki**, W. A. A. El-Ghany, M. M.Hady, and R. M. S. Korany. *Asian Journal of Poultry Science*, vol. 10, pp. 134-140.
- 5) **The antimicrobial potentiality of three medicinal plants frequently used in Egyptian folk medicine. (2015).** M.M.Hady, and **M.M.Zaki** . Interational conference on Health and Medicine, Sri Lanka.
- 6) **The antimicrobial potentiality of three medicinal plants frequently used in Egyptian folk medicine. (2015).** M.M.Hady, and **M.M.Zaki**. International journal of Health and Medicine, vol. 1, 2015.
- 7) **Assessment of the broilers performance, gut healthiness and carcass characteristics in response to dietary inclusion of dried coriander, turmeric and thyme.(2016).** M.Hady, M., **M.M.Zaki**, W. A. EL-Ghany, and K. Reda, M.S., *International Journal of Environmental & Agriculture Research (IJOEAR) , vol. 2, pp. 153-159.*
- 8) **Effect of certain probiotics on the immune response of Newcastle Disease vaccinated broiler chickens.(2016).** **M.M.Zaki**, W. A. A. El-Ghany, M. M.Hady, and R. M. S. Korany, "", *Asian Journal of Poultry Science*, vol. 10, pp. 134-140.
- 9) **Prospective of vaccination failure in poultry farms. (2016).** **M.M.Zaki**. 5th *International Conference of Faculty of Veterinary Medicine, Cairo University, Egypt.*

- 10) **The antimicrobial potentiality of three medicinal plants frequently used in Egyptian folk medicine. (2015).** M.M.Hady, and M.M.Zaki, *International journal of Health and Medicine*, vol. 1.
- 11) **Field Survey on the Incidence of Some Immunosuppressive Viruses Among Broiler Farms in Eastern Province of Saudi Arabia. (2015)** M.M.Zaki and A.S.Al-Ankary. 1st International Conference of Veterinary and Animal Sciences (ICVAS) Colombo, Sri Lanka, December 15-16, 2015.
- 12) **Comparative Study between the Impact of L-ascorbic acid and α -Tocopherol Acetate on Immune Response, Performance and Egg Composition of Egyptian Native Fayuomi Hens. (2015)** M.M.Zaki and Maha M.Hady. Proceedings of the British Society of Animal Science (Advances in Animal Biosciences) Volume 6 Part 2 Page 209, Chester, England, April 2015.
- 13) **Evaluation of Dietary *Moringa oleifera* Leaves Incorporation on Performance Parameters and Anticoccidial Activity in Broiler Chickens.(2015)** Maha M.Hady and M.M.Zaki. Proceedings of the British Society of Animal Science (Advances in Animal Biosciences) Volume 6 Part 2 Page 218, Chester, England, April 2015.
- 14) **The Antimicrobial Potentiality of Three Medicinal Plants Frequently Used in Egyptian Folk Medicine. (2015)** Maha M.Hady and M.M.Zaki. International Conference of Health and Medicine (ICHM), Colombo, Sri Lanka, March 17-18, 2015.
- 15) **Immunomodulatory Effect of Some Natural Herbal Feed Additives in Broilers (2013).** M.M.Zaki; Wafaa A. Abdl El-Ghany; Maha M.Hady and Reda M.S.Korany. 19th European Symposium on Poultry Nutrition, Potsdam, Germany, August 26-29, 2013.
- 16) **Potency of Some Phytobiotic Feed- additives on Zootechnical Performance, Carcass traits and Intestinal health of Broiler Chickens. (2013)** Maha M. Hady, M.M. Zaki; Wafaa Abd EL-Ghany and Reda, M.S, Korany. 19th European Symposium on Poultry Nutrition. Potsdam, Germany, August 26-29, 2013.
- 17) **Psittacine Beak and Feather Disease Virus of African and Asian Psittacines in Saudi Arabia May Have Originated in Australia.(2012)** A.H. Hakami, A.A. Yousef, M.M. Zaki, M.M. Ismail, A.M. Al-Ali and A.S. Al-Ankari. 4th International Conference of Virology, November 14-16, 2012, Sharm El-Sheikh, Egypt.
- 18) **Efficacy of some herbal feed additives on performance and control of cecal coccidiosis in broilers. (2012)** Maha M.Hady and M.M.Zaki. 2nd International Conference on Asia Agriculture and Animal- ICAAA 2012, Singapore

- 19) **Detection of pancreatic ductal carcinoma in chickens. (2011)** M.M.Zaki, M.A.Hamouda and F.A.A-Hizab. Proceedings of The 17th World Veterinary Poultry Congress, Cancun, Mexico 14-18 August 2011: 1052-1056.
- 20) **Fatal Aspergillosis in an ostrich (*Struthiocamelus*) Predisposed by Pulmonary Haemangioma in the Kingdom of Saudi Arabia. (2009)** M. S. Shathele, A. Fadlelmula, F.A. Al-Hizab and M. M.Zaki. International Journal of Zoological Research, accepted in February 18, 2009 (Article No. 10361-IJZR-AJ).
- 21) **Influence of extra supplementation with arginine and lysine on overall performance, ovarian activities and humoral immune response in local Saudi hens. (2006)** G.Bassiouni, H.Najib, M.M.Zaki and A.S.Al-Ankari. International Journal of Poultry Science vol.5 (50): 441-448.
- 22) **Preventive measures adopted for personnel at a high risk to avian influenza (H5N1). (2006).** M.M.Zaki. Proceedings Avian Influenza of Falcons and Poultry, May 24th 2006, College of Veterinary Medicine and Animal Resources, King Faisal University, KSA.
- 23) **Use of habek mint (*Mentha longifolia*) in broiler chicken diets. (2004).** A.S.Al-Ankari.; M.M.Zaki, and S.I.Al-Sultan. International Journal of Poultry Science vol.3 (10): 629-634.
- 24) **Strategy to control salmonella infection in poultry to protect human in Saudi Arabia. (2004).** M.M.Zaki, 1st Meeting of Poultry Production Society in Saudi Arabia, Riyadh 7-9 Marsh, 2004. Saudi Arabia.
- 25) **Late embryonic death of fertile ostrich (*Struthiocamelus*) eggs due to *Klebsiella pneumoniae* and *E.coli* infections. (2004).** A.S.Al-Ankari and M.M.Zaki. J.Egypt.Vet.Med.Assoc. Vol.64 (1): 215-219.
- 26) **The effect of dietary vitamin E and selenium on overall performance and immune response of broilers fed either basal or Oxytetracycline treated diet. (2004).** M.M.Zaki, and A.S.Al-Ankari. Vet.Med.J., Giza. Vol.52 (1): 99-106.
- 27) **Characterization of *Haemophilus paragallinarum* isolates using sodium dodecyl sulphate polyacrylamide electrophoresis. (2000).** M.M.Zaki, M.H.Awaad, R.M.Osman and H.M.Toughan. Proceeding of XXI World Poultry Congress, Montreal, August 20-24, 2000 Canada.
- 28) **Refinement of a common antigen for detection of fowl paratyphoid carriers. (1998).** M.H.H.Awaad; J.R.Deloch; M.M.Zaki; S.M.Kamel and S.A.W.Nasef. Egyptian J.Vet.Sci., Vol.32: 109-125.

- 29) **Studies on campylobacteriosis. (1998).** A.A.Bassiouni; M.M.Zaki and A.A.Amro.Proceeding of International Conference on Veterinary Medicine And Human Health In The 21st Century, Kuwait 19-21 October, 1998, State of Kuwait.
- 30) **Effect of dietary fat on incidence of sudden death syndrome and performance of broiler chickens. (1997).**Maha.M.Hady and M.M.Zaki.Proceeding of 11th International Congress of the World Veterinary Poultry Association, Budapest, Hungary.
- 31) **Impact of different dietary fat sources on performance and immune response of broiler chickens. (1995).** M.M.Zaki and MahaM.Hady. Vet.Med.J.,Giza. Vol. 43 (2): 183-192.
- 32) **Usage of avian apo-transferrin and corynebacterium cutis lysate in controlling infectious bursal disease in chickens. (1995).** M.H.H.Awaad; M.A.Kutkat; M.M.Zaki; Asia El Sawy and F.A.ElShobaki. BeniSuefVet.Med.Res. Vol. 5 (1): 184-201.
- 33) **Trials to prepare potent vaccine against *Salmonella gallinarumpullorum* infection. (1995).** I.M.Mohrah and M.M.Zaki. Vet.Med.J.,Giza. Vol.43 (1): 97-102.
- 34) **Effect of chemical treatment of poultry diets on the control of *Salmonellaenteritidis* in broilers. (1995).** MahaM.Hady and M.M.Zaki.Vet.Med.J.,Giza. Vol.43 (1): 87-95.
- 35) **Campylobacteriosis in poultry. (1995).** M.M.Zaki and WafaaW.Red. Vet.Med.J.,Giza. Vol.43 (1): 71-76.
- 36) **Does *Staphylococcus aureus* induce eye lesions in chickens? (1994).**M.M.Zaki and M.B.ElBegawey.Vet.Med.J.,Giza. Vol.43 (2): 15-19.
- 37) **Chicken anaemia agent in Egypt: I. A serological survey of antibody against chicken anaemia agent in some commercial chicken flocks using indirect immunofluorescent technique. (1994).** M.M.Zaki and A.A.ElSanousi.Vet.Med.J.,Giza. Vol.42 (3): 53-58.
- 38) **The role of Harderian gland in the protection and on the serum profile of chickens immunized with infectious bursal disease and Newcastle disease vaccines. (1994).** A.A.Basiouni; M.M.Zaki; M.A.Kutkat; A.S.E.D.Metwalli and M.A.Wasfi.BeniSuefVet.Med.Res., Vol 4 (2/2): 428-441.
- 39) **The influence of removing Harderian gland on immune response of chicks vaccinated ocularly with living infectious bursal disease vaccine. (1993).** A.A.Bassiouni and M.M.Zaki. 3rd Scientific Conf.EgyptianVet.Poult.Assoc., Page: 25-31.

- 40) **The effect of avian apo-transferrin on *E.coli* in vitro. (1993).** A.A.Bassiouni; M.H.Awaad; A.G.Hegazi; M.A.El-Sagheer; M.M.Zaki and M.A.Kutkat.Egypt.J.Vet.Sci., Vol.30: 91-97.
- 41) **Preparation and evaluation of bivalent *Haemophilus paragallinarum* bacterins for vaccination of chickens against infectious coryza. (1993).** M.M.Zaki. 3rd Scientific Conf.Egyptian Vet.Poult.Assoc., Page: 65-69.
- 42) **Investigations on outbreaks of infectious bursal disease in Egypt. (1992).** M.M.Zaki and M.A.Kutkat.Proceedings of XIX World's Poultry Congress, Amsterdam, The Netherlands. Vol.1, Page: 422.
- 43) **Role of vitamin E on mycotoxicosis in broiler chicks. (1991).** MahaM.Hady; A.M.El-Nabarawi and M.M.Zaki. Egypt.J.Appl.Sci. Vol.6 (2): 16-31.
- 44) **Role of dietary zinc on immune response of broiler chickens. (1990).** O.E.Mohamed; MahaM.Hady and M.M.Zaki. Vet.Med.J.Giza. Vol.38 (2): 283-295.
- 45) **Effect of vitamin E and selenium on the immune response of chickens against living newcastle disease vaccine. (1990).** A.A.Bassiouni; M.M.Zaki and M.M.Hady. Vet.Med.J.Giza. Vol.38 (1): 145-155.
- 46) **Role of vitamin E and selenium on caecal coccidiosis in chickens. (1989).** M.M.Zaki; M.M.Hady and H.M.Omar. ZagazigVet.J. Vol.17 (4): 126-140.
- 47) **Effect of virulent and vaccinal strains of Gumboro disease virus on the immune response of broiler chicks against infectious coryza vaccine. (1988).**M.M.Zaki; M.A.Bastami and D.G.Khelfa.Vet.Med.J. Vol.36 (2): 315-321.
- 48) **Effect of Gumboro disease virus infection on the immune response of broiler chicks vaccinated with living Newcastle disease vaccines. (1988).**M.A.Bastami; M.M.Zaki and D.G.Khelfa.Vet.Med.J. Vol.36 (2): 309-313.
- 49) **Effect of virulent and vaccinal strains of Gumboro disease virus on the immune response of broiler chickens to inactivated Newcastle disease vaccine. (1987).** M.A.Bastami; D.G.Khelfa and M.M.Zaki. 1st. Annual Conference of The Egyptian Veterinary Poultry Association. p.19-23.
- 50) **Studies on infectious coryza in poultry in Egypt. (1985).** A.A.Bassiouni, Y.I.Youssef and M.M.Zaki. Vet.Med.J. vol.33 (1): 61-67.