CURRICULUM VITA (Assistant Professor in Poultry Diseases)

PERSONAL DATA

- Name: Abdulwahab M. M. Kammon
- Nationality: Libyan
- Date of birth: 15-10-1968
- *Place of birth:* Alzintan, Libya
- *Residence:* Tripoli, Libya
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EDUCATION_

- PhD, Veterinary Pathology, from Guru Angad Dev Veterinary and Animal Sciences University (formerly Punjab Agricultural University), Ludhiana, India in March 2010. Title of PhD thesis: Studies on clinicopathological and immunological implications of insecticides toxicity in *Gallus domesticus*.
- Master of Veterinary Medicine (MVM) in Laboratory Practice from Faculty of Veterinary Medicine, Universiti Putra Malaysia (UPM) in September 2003. Title of Master's thesis: Detection of *Salmonella* in poultry using conventional culture methods and polymerase chain reaction technique.
- Bachelor degree of Veterinary Science (B.V.Sc.) from Higher Institute of Veterinary Science, Alzintan, Libya in 1994.

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SKILLS

- Specialist in Poultry Diseases diagnosis, prevention and control
- Excellent interpersonal communication skills and well-organized
- Ability to work well in a team with people from different levels and backgrounds
- Disciplined and highly motivated with strong work ethics
- Microsoft Word, Power point, Excel, SPSS
- Software training: Qgis, GeoDa, SatScan
- Laboratory techniques: PCR, ELISA, HA, HI, AGID, Bacterial isolation & identification, Biochemical analysis, Hematology, Histopathology
- Languages: Arabic & English

PROFESSIONAL EXPERIENCE

Demonstrator \Rightarrow Lecturer \Rightarrow Assistant Professor, Department of Poultry and Fish Diseases, Faculty of Veterinary Medicine, University of Tripoli, Libya (1999 - present)

Responsibilities:

- Lecturing of UG and PG students on topics of theory and practical sessions of bacterial, viral, fungal, and nutritional poultry diseases including the necropsy techniques.
- Duty at the veterinary hospital for diagnosis of poultry diseases by conducting necropsies, collection of samples and lab work.

- Conducting of research on pathology, immunology and microbiology of various poultry diseases as well as toxico-pathological studies using poultry as a model.
- Investigation of poultry disease outbreaks.
- Design and conduct surveillance systems of many poultry diseases and the use of GIS to assist in control poultry diseases.

Accomplishments:

- First diagnosis of *Ornithobacterium rhinotracheale* infections in chickens in Libya by ELISA.
- Best poster award at XXIInd Maghrib Veterinary Congress 18-19 April 2005 Tripoli – Libya.

Deputy Director, National Center of Animal Health (NCAH), Zawia, Libya (June 2012-October 2014)

Responsibilities:

- Provide leadership to the NCAH whenever the director is out of station.
- Managing of all issues related to poultry diseases including monitoring surveys, diagnosis and control.
- Consultation and training of lab staffs on diagnostic tests.
- Training of poultry veterinarians and emergency teams on necropsy and outbreak investigation and laboratory staff on some new techniques.
- Establish and implement strategic plan to build database on poultry industry in the whole country and managing the field teams.

Accomplishments:

- Diagnosis and control of first outbreak of HPAI H5N1 that infected backyard chickens in Tobrouk during 2014.
- Isolation and characterization of Newcastle disease virus, AI H9N2 virus in 2013.
- Control of Newcastle disease outbreaks, which hits poultry industry in Libya during 2013 by using appropriate vaccines and vaccination program.
- Molecular characterization of IBV (variant strain 3382/06) and serological identification of QX and D8880 serotypes in 2012.
- Preliminary diagnosis of Egg Drop Syndrome in laying chickens in 2013 (ELISA and Histopathology)
- Molecular diagnosis and characterization of ILT virus in poultry.

Coordinator, agriculture sector in Alzintan Regional Transitional Council, Alzintan, Libya (Sep 2011 - Jan 2013)

Responsibilities:

- Provide leadership to the agriculture sector in its pursuit to assist farmers and producers by improving agriculture and animal health services.
- Suggest projects and strategic plans to enhance capacity buildings of the agriculture sector.

Vice Dean, Faculty of Veterinary Medicine, University of Tripoli, Libya (Oct 2011 - Oct 2012)

Responsibilities:

• Provide oversight of the Student Coordinators for student affairs issues.

- Guide the Veterinary Curriculum Improving Committee in consistent with quality assurance accreditation and University curricular guidelines, and oversight in curricular reviews.
- Provide oversight of the educational specialist to foster improvements in instructional design, methodologies and technology.
- Assist in providing necessary equipments and materials for veterinary teaching hospital and laboratories.

RESEARCH

- **Current research:** Surveillance and Risk Assessment of Avian Influenza in Libya.
- The use of some local medicinal plants in improving performance, health and immune system response of poultry birds.
 - The antimicrobial activity of essential oils of Thymus capitatus and Artemisia herba-alba against *Salmonella gallinarum* and *E. coli* in poultry.
- Molecular diagnosis and characterization of some respiratory viral diseases (i.e NDV, AI, IB and ILT).

MEMBERSHIP_

- 1. American Association of Avian Pathologists.
- 2. Founder of Libyan Association of Poultry Diseases.
- 3. Life member of Indian Association of Poultry Science.
- 4. Member of Libyan Association of Experts and Consultants

TRAINING AND WORKSHOPS

- 1. Eligible for American College of Poultry Veterinarian Exam to be held on 2017.
- World Veterinary Education in Production Animal Health (WVEPAH) postgraduate study program "Chicken I" at Freie Universität Berlin, Germany, from 16 - 27 March 2015.
- Training on the use of Geographic Information System (GIS) as a tool to assist in prevention and control of poultry diseases (early warning). Istituto Zooprofilattico Sperimentale delle Venezie, Viale dell'Universita', 10, Legnaro, Padova 35020, Italy on 23rd Feb - 13th Mar 2015.
- 4. Leaders Development Program Government of Libya. 6th Apr to 1 May 2014 at Mohammed Bin Rashid School of Government (MBRSG), Dubai, UAE. The program include training on: Leadership, Management of public budget, Strategic Planning, Planning and project management, Introduction to Accounting and Financial Control, and Quality and Organizational Distinction.
- 5. Principles of Leadership and Strategic Planning. 2-6 March 2014 organized by National Program for Integration and Development, Tripoli, Libya.
- 6. Training workshop on the use of Science-based methods and developments of scientific arguments in standard-settings. Tunis, Tunisia 10th to 12th July 2012 organized by Inter African Bureau for Animal Resources (IBAR).

7. Polymerase Chain Reaction (PCR) Primer Design and Applications held on 24-26 September 2002 at the Department of Biotechnology, Faculty of Food Science and Biotechnology, University Putra Malaysia.

REVIEWER

- 1. American Journal of Experimental Agriculture
- 2. Open Veterinary Journal
- 3. African Journal of Agricultural Research
- 4. Journal of Neural Transmission
- 5. Pesticide Biochemistry and Physiology Journal
- 6. Journal of Toxicology and Environmental Health Sciences
- 7. British Biotechnology Journal
- 8. International Journal of Veterinary Science and Medicine

FIELD WORK

- 1. Member and spokesperson of the emergency team that established by Libyan Ministry of Agriculture to control the Avian Influenza H5N1 in Tobruk and other cities, 2014.
- 2. Head of the emergency team to control Newcastle disease April 2013.
- 3. Member of the committee for preparation of new legislation for biosafety in veterinary laboratories and establishments 2013.
- 4. Head of Central Committee for diagnosis and control of poultry diseases in Libya.
- 5. Advisor of many poultry farms in different places of Libya.
- 6. Member of the consultancy team to solve the problems of poultry industry at The Libyan Company of Poultry and Livestock (Government Company) from 1-11-2004 to 3-1-2005.
- 7. Laboratory Advisor of Alnaja Veterinary Company (private company) from 1-5-2010 to 20-2-2011.

PUBLICATIONS

GenBank:

- 1. Influenza A virus (A/chicken/Libya/14VIR2749-16/2014(H5N1)) segment 4 hemagglutinin (HA) gene, partial cds (accession: KM244122.1) http://www.ncbi.nlm.nih.gov/nuccore/KM244122.1
- Influenza A virus (A/chicken/Libya/13VIR7225-5/2013(H9N2)) segment 4 hemagglutinin (HA) gene, partial cds (accession: KM244121) http://www.ncbi.nlm.nih.gov/nuccore/KM244121.1
- 3. Influenza A virus (A/chicken/Libya/13VIR7225-3/2013(H9N2)) segment 4 hemagglutinin (HA) gene, partial cds (accession: KM244120) http://www.ncbi.nlm.nih.gov/nuccore/KM244120.1
- 4. Influenza A virus (A/chicken/Libya/13VIR7225-2/2013(H9N2)) segment 4 hemagglutinin (HA) gene, partial cds (accession: KM244119) http://www.ncbi.nlm.nih.gov/nuccore/KM244119.1

 Foot and Mouth Disease Viruses: 70 isolates from Libya, UAE, Saudi Arabia, Nepal and Bhutan. http://www.ncbi.nlm.nih.gov/nuccore/KM921841.1

Journal articles:

- 1. **Abdulwahab Kammon**, Paolo Mulatti, Monica Lorenzetto, Nicola Ferre, Monier Sharif, Ibrahim Eldaghayes and Abdunaser Dayhum (2017) Biosecurity and geospatial analysis of mycoplasma infections in poultry farms at Al-Jabal Al-Gharbi region of Libya. Accepted for publication in Open Veterinary Journal, 2nd Vol, January 2017.
- 2. Ibrahim Eldaghayes, Abdunaser Dayhum, **Abdulwahab Kammon**, Monier Sharif, Giancarlo Ferrari, Christianus Bartels, Keith Sumption, Donald P. King, Santina Grazioli and Emiliana Brocchi (2017) Exploiting serological data to understand the epidemiology of foot-and-mouth disease virus serotypes circulating in Libya. Open Veterinary Journal, Vol. 7(1): 1-11.
- 3. Abdulwahab Kammon, Alireza Heidari, Abdunaser Dayhum, Ibrahim Eldaghayes, Monier Sharif, Isabella Monne, Giovanni Cattoli, Abdulatif Asheg, Milad Farhat, and Elforjani Kraim (2015) Characterization of Avian Influenza and Newcastle disease viruses from Poultry in Libya. AVIAN DISEASES 59:422–430.
- 4. M.A.M. Sharif, M.M.A. Alagab, I.M. Eldaghayes, **A.M. Kammon** and A.S. Dayhum (2015) Caprine Coccidiosis: An outbreak in the Green Mountain in Libya. J. Vet. Med. Anim. Health Vol. 7(6), pp. 229-233, June 2015.
- Alaa Eldin Eissa, Mohamed Abdelsalam, Abdelsalam Abumhara, Abdulwahab Kammon, Fateim T Gammoudi, Khaled M Ben Naser, Taghreed Borhan, and Abdulatif Asheg (2015) First Record of Vibrio vulnificus / Anisakis pegreffi Concurrent Infection in Black scorpionfish (Scorpaena porcus) from the South Mediterranean Basin. RJPBCS 6(3): 1537-1548.
- AA Asheg, SM EL-Nyhom, AE Eissa, AM Kammon, AH Kanoun, KM Ben Naser, and YM abouzeed (2015) Effect of Some Libyan Medicinal Plants on Hematological Profile, Cholesterol Level and Immune Status of Broiler Chicken. Research Journal of Pharmaceutical, Biological and Chemical Sciences 6 (2): 1164-1170.
- N. J. Knowles, K. Bachanek-Bankowska, J. Wadsworth, V. Mioulet, B. Valdazo-Gonzalez, I. M. Eldaghayes, A. S. Dayhum, A. M. Kammon, M. A. Sharif, S. Waight, A. M. Shamia, S. Tenzin, U. Wernery, S. Grazioli, E. Brocchi, S. Subramaniam, B. Pattnaik and D. P. King (2014) Outbreaks of Foot-and-Mouth Disease in Libya and Saudi Arabia During 2013 Due to an Exotic O/ME-SA/Ind-

2001 Lineage Virus. Transboundary and Emergency Diseases, doi:10.1111/tbed.12299

- 8. Sharif MAM, Eldaghayes IM, **Kammon AM** and Dayhum AS (2014) Melanoacanthoma in a Dog: A Case Report. J Veterinar Sci Technolo 2014, 5:2 http://dx.doi.org/10.4172/2157-7579.1000167
- Abdulwahab Kammon, Tan Sheau Wei, Abdul Rahman Omar, Abdunaser Dayhum, Ibrahim Eldghayes, Monier Sharif (2013) Molecular Detection cand Characterization of Infectious Bronchitis Virus from Libya. International Journal of Medical, Pharmaceutical Science and Engineering Vol:7 No:12, 2013
- M.A.M. Sharif, M.E. Farhat E.S., Kraim N.A., Altrabulsi, A.M. Kammon, A.S. Dayhum and I.M. Eldaghayes (2013) Ovine paratuberculosis: a confirmed case of Johne's disease in Libya. Open Veterinary Journal, (2013), Vol. 3(2): 131-134
- 11. **Kammon A M,** Brar R S, Banga H S and Sodhi S (2012) Ameliorating effects of vitamin E and selenium on immunological alterations induced by imidacloprid chronic toxicity in chickens. J Environ Anal Toxicol 2012, S:4. http://dx.doi.org/10.4172/2161-0525.S4-007.
- A. Asheg, O. A. Tarhuni, S.O. Al-Garib., M. A. Hamid and A. M. Kammon (2011) An outbreak of infectious laryngotracheitis in layer chickens in Libya. Indian Veterinary Journal, Vol 88, August 2011.
- Kammon A. M., Asheg A. A., Al-Garib S. O., Tarhouni O. A., and Al-Arabi M. A (2011) Detection of antibodies against Ornithobacterium Rhinotracheale in parent broilers by ELISA. Libyan Veterinary Medical Journal (LVMJ), Vol 2(1): 122-125.
- 14. A.M. Kammon, R.S. Brar, S. Sodhi, H.S. Banga, J. Singh and N.S. Nagra (2011) Chlorpyrifos chronic toxicity in broilers and effect of vitamin C. Open Veterinary Journal, Vol. 1: 21-27
- 15. Sambhaji G. Chavhan, R.S. Brar, H.S. Banga, H. S. Sandhu, S. Sodhi, Gadhav P.D., Kothule V.R. and A.M. Kammon (2011) Clinicopathological studies on vitamin D₃ toxicity and therapeutic evaluation of Aloe vera in Rats. Toxicology International Journal, Vol 18 (1): 35-43.
- 16. Ibrahim M. Eldaghayes, Mohamed A. Hamid, Sayed R. El-Attar and Abdoalwahab M. Kammon (2010) Pathology of gout in growing layers attributed to high calcium and protein diet. E-International Scientific Research Journal. ISSN: 2094-1749 Volume: 2 Issue: 4, 2010

- 17. **A.M. Kammon**, R.S. Brar, S. Sodhi, H.S. Banga and H. S. Sandhu (2010) Neuropathological studies of chickens following exposure to chlorpyrifos. Toxicology International Journal, Vol 17 (2): 78-81.
- 18. A.M. Kammon, R. S. Brar, H. S. Banga and S. Sodhi (2010) Patho-biochemical studies on hepatotoxicity and nephrotoxicity on exposure to chlorpyrifos and imidacloprid in layer chickens. VETERINARSKI ARHIV 80 (5), 663-672.
- 19. A.M. Kammon, R. S. Brar, S. Sodhi, H. S. Banga, N. S. Nagra and J. Singh (2010) Ameliorating effect of vitamin C on immunological implications induced by chronic chlorpyrifos toxicity in broilers. Libyan Veterinary Medical Journal (LVMJ), Vol 1(1): 164-180.
- 20. Franciosini M. Pia, Canali C., Casagrande Proietti P., Tarhuni O., Asdrubali G., Kammon A. M., Asheg A. A. and Al-Garib S. O. (2010) Plasma corticosterone levels in laying hens from three different housing systems. Libyan Veterinary Medical Journal (LVMJ), Vol 1(1): 108-116.
- 21. S.O. Al-Garib, O.A. Algriany, A.A. Asheg, A. M. Kammon, O. Tarhone (2010) Salmonella Infections in Poultry Farms of Libya. Libyan Veterinary Medical Journal (LVMJ), Vol 1(1): 9-21.
- 22. O. Tarhuni, G. Asdrubali, A. Damiani, M. P. Franciosini, A. A. Asheg, A. M. Kammon, S. O. Al-Garib (2010) Detection of suspected DNA avian circovirus in commercial turkey flocks. Libyan Veterinary Medical Journal (LVMJ), Vol 1(1): 65-75.
- 23. H.S. Banga, R.S. Brar, S.G. Chavhan, H.S. Sandhu and A.M. Kammon (2009) Pathology of snake bite in cow. Toxicology International Vol. 16, No. 1, 2009 pp 69-71.
- 24. Abdulatif A. Asheg, Soleman O. Al-Garib, Abdoalwahab M. Kammon, and Mohamed A. Al-Arabi (2007) Investigating the Presence of Antibodies against Chicken Infectious Anemia Virus in Libya using the Enzyme-Linked Immunosorbent Assay. Journal of Basic and Applied Sciences, Vol 17 (3): 188-196.
- 25. S.O. Al-Garib, A. A. Al-asheg, A. M. Kammon and M. A. Hamid (2006) An outbreak of respiratory infection of multi-agents occurred in poultry flocks in Tripoli, Libya. XII European Poultry Conference, 10-14 September 2006, Volume 62, supplement, Editors: I. Romboli, D.Flock, A. Franchini. Page, 130-131 (The abstract was published in World's Poultry Science Journal).

Conference proceedings:

- 1. **Kammon A.**, Heidari A., Dayhum A., Eldaghayes I., Sharif M., Schivo A., Monne I., Cattoli G., Asheg A., Musa Y., Marwan A., Farhat M., and Kraim E.S. Isolation and Molecular Characterization of Newcastle Disease Virus and Low Pathogenic Avian Influenza H9N2 in Libya. WVPAC2015 held on 7-11 Sep, 2015 at Cape town, South Africa.
- 2. Abdulwahab Kammon, Tan Sheau Wei, Abdul Rahman Omar, Abdunaser Dayhum, Ibrahim Eldghayes, Monier Sharif (2013) Molecular Detection and Characterization of Infectious Bronchitis Virus from Libya. International Conference on Animal Science and Veterinary Medicine, Penang, Malaysia, Dec 16-17, 2013.
- A. A. Asheg, O. A. Tarhuni, A. M. Kammon and M. P. Franciosisn (2013) Detection and molecular characterization of infectious laryngeotracheitis in laying hen in Libya. ³¹World Veterinary Congress, Prague, Republic of Czech, 09/2013.
- 4. A. A. Asheg and A. M. Kammon (2013) Effect of organic acids on cecal bacteria count in chicken under heat stress. World Veterinary Poultry Association, Vol: WVPAC, 2013.
- Kammon A M, Brar R S, Banga H S and Sodhi S (2012) Ameliorating effects of vitamin E and selenium on immunological alterations induced by imidacloprid chronic toxicity in chickens. International Conference on one health and 24th VAM Congress 2012. University Putra Malaysia, Putrajaya, Malaysia, September 21-23, 2012. p. 101.
- Kammon A M, Brar R S, Sodhi S, Banga H S and Sandhu H S (2009) Neuropathological studies on chicken following administration of chlorpyrifos. XXVI Annual Conference of Indian Association of Veterinary Pathologists. Department of Veterinary Pathology, GADVASU, Ludhiana, India, October 28-30, 2009. p. 153.
- Kammon A M, Brar R S, Banga H S and Sodhi S (2009) Pathological studies on imidacloprid induced toxicity in chicken. XXVI Annual Conference of Indian Association of Veterinary Pathologists. Department of Veterinary Pathology, GADVASU, Ludhiana, India, October 28-30, 2009. p. 153.
- 8. A. M. Kammon, R. S. Brar, Sandeep Sodhi and H. S. Banga (2009) Acute toxicity of chlorpyrifos insecticide in chickens. The 12th Punjab Science Congress, February 7-9, 2009, Ludhiana Punjab, India.
- 9. Abdoalwahab M. Kammon, R. S. Brar, Sandeep Sodhi and H. S. Banga (2008) Studies on acute toxicity of imidacloprid insecticide in layer chicks. The 28th Annual Conference of Society of Toxicology (STOX), India and International Symposium on "Monitoring and Modulating Global Resources of Environmental

and Food Contaminants: Nature versus Chemicals" October 16-18, 2008, Ludhiana, Punjab, India.

- 10. Soleman Omran Al-Garib, Abdoalwahab M. Kammon, Abdulatif Asheg, Mohamed Hamid, Hana Fathalla and Amal Lawala (2007) Detection of antibodies to avian influenza H9N2 in broiler flocks clinically expressing a respiratory disease syndrome. The 15th World Veterinary Poultry Congress, Beijing, China.
- 11. **Kammon A.M.,** M.A.H. Al-Arabi, A. Al-Asheg, and S.O. Al-Garib (2005) Investigating the relationship between the field observations among broiler flocks and *Ornithobacterium Rhinotracheale* infection by the Enzyme-Linked Immunosorbent Assay (ELISA). XXIInd Maghrib Veterinary Congress 18-19 April 2005 Tripoli – Libya. (Awarded best poster presentation).
- 12. A. Al-ashek, S.O. Al-Garib, A. M. Kammon and M. Al-Arabi (2005) Investigation on the presence of antibodies against Chicken Infectious Anemia in Libya using the Enzyme-Linked Immunosorbent Assay. XXIInd Maghrib Veterinary Congress, 18-19 April 2005 Tripoli, Libya.
- Kammon A. M., Omar A.R., and Saleha A.A. (2005) Detection of *Salmonella* in fecal samples from chickens by PCR. 14th World Veterinary Poultry Congress 22-26 August 2005 Istanbul, Turkey.

CONFERENCES AND MEETINGS ATTENDED

- 1. OIE Global Conference on Veterinary Education and the Role of the Veterinary Statutory Body, Foz de Iguazu (Brazil) 4-6 December 2013.
- Joint FAO/WHO food standards program, Codex Committee on Food Import and Export Inspection and Certification Systems. 20th Session, Chiang Mai (Thailand), 18- 22 February 2013.
- 3. Regional Training of Trainers Sanitary and Phyto-sanitary (SPS) on Standard Setting Processes. Tunis, Tunisia July 2012.
- 4. OIE Global Conference on Veterinary Legislation, Djerba, Tunisia 7-9 Dec 2010.
- National seminar on modern technologies for veterinary vaccines & diagnostics for poultry, 2nd July 2009 organized during ILDEX India 2009 (2-4 July 2009, ITPO, Pragati Maidan, New Delhi).
- 6. The XIX National Congress of Veterinary Parasitology and Symposium on "National impact of Parasite Diseases on Livestock Health and Production" with

focal theme on "Changing Trends in Parasitology: From Eggs to Genomics" from 3rd to 5th February, 2009 organized by Department of Veterinary Parasitology, College of Veterinary Science, GADVASU, Ludhiana, Punjab, India.

- The 24th Annual Conference of Indian Poultry Science Association and National Symposium at Ludhiana from 25th to 27 April 2007.
- 8. The 2nd Conference of Biotechnology at Albyda, Libya from 4-6 August 2003.
- 9. Seminar on recent advances in animal health and production no. 25, "Current Trends in Veterinary Research" 18 March 2002, Faculty of Veterinary Medicine, University Putra Malaysia.

SYMPOSIUM PRESENTATIONS

- 1. Lecture (Control of Avian Influenza): Training of Rapid Response Team of the National Center of Animal Health, Zawia, Libya Sep, 2013.
- 2. **Presentation:** Poultry industry in Libya: Current Challenges and Future Visions. Presented at symposium on protection and development of livestock and the prospect of development held on 9 May 2012 during the 5th Agro-Libya 2012.
- 3. **Presentation:** Protection of animals used for experimental and other scientific purposes: the role of institutional animal ethics committee. Presented at Symposium of Libyan Society for the Prevention of Cruelty to Animals held on 15-1-2012.
- 4. **Head** of the organizing committee of Bluetongue symposium held on 29-10-2011.
- 5. **Presentation:** Chemical residues in poultry meat and the methods of their detection. Presented at Food safety symposium held on 26-5- 2010.
- 6. **Member** of the organizing committee of symposium on control of Salmonellosis in poultry flocks using probiotics and prebiotics held on 22-6-2010 during Agro-Libya 2010.
- 7. **Presentation:** Salmonellosis in poultry: current implications and its control in Libyan poultry farms. Presented at Breeding of Local Chickens using Biotechnology symposium held on 25-4-2005.

BOOK UNDER PREPARATION

Poultry Health Guide and Colour Atlas of Poultry Diseases.

The book will be in Arabic Language in three chapters: Chapter 1: Poultry Health and Welfare Chapter 2: Poultry Diseases Control Chapter 3: Colour Atlas of the most important poultry diseases This book is written in a simple language for the farmers and veterinary practitioners to enhance their knowledge about poultry production and diseases.

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