

Adil Sabr Akar Al-Ogaili, DVM, MSc, PhD



Assistant Professor, Vice Dean and Faculty Member

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Education

- ℞ Degree in Veterinary Medicine, College of Veterinary Medicine, University of Baghdad, Baghdad, IRAQ, 2000
- ℞ M.Sc. Department of Diseases of Poultry, College of Veterinary Medicine, University of Baghdad, Baghdad, IRAQ, 2004.
 - ∅ Dissertation and Specialty: Preparing and comparing different poultry vaccine programs
- ℞ Ph.D. Department of Poultry Science, University of Arkansas, Fayetteville, Arkansas, USA, 2019.
 - ∅ Thesis and Specialty: Preparation and testing novel vaccine adjuvant and recombinant vaccines

Professional and Academic Appointments

- ℞ Research Assistant, College of Vet. Med. Consultant Poultry Clinic, University of Baghdad, 2001-2002.
- ℞ Faculty Member, Kut Tech. Inst., Middle Tech. University, 2006-present.
- ℞ Head of the Department of Medical Laboratory Techniques, Kut-Tech. Institute, Foundation of Tech. Education 2009 – 2013.
- ℞ Rapporteur of the Department of Medical Laboratory Techniques, Kut-Tech. Institute, Middle Technical University, 2019 – 2020.
- ℞ Head of the Department of Medical Laboratory Techniques, Kut-Tech. Institute, Middle Technical University, 2021 – 2022.
- ℞ Assistant Professor, Vice Dean for Scientific Affairs, Kut Technical Institute 2023.

Licensures & Certifications

- ✎ Iraqi Veterinary License
- ✎ Diplomate University of Arkansas, Cell and Molecular Biology

Professional Memberships

- ✎ Iraqi Veterinarian Association, 2000–present
- ✎ American Poultry Science Association, USA, 2014–2020
- ✎ International Veterinary Vaccinology Network, Edinburgh, UK., 2017–present
- ✎ Iraqi Association for Poultry Breeders, 2019–present
- ✎ American Society for Microbiology, USA, 2020–present

Languages, Linguistics and Informatics

- ✎ Arabic: Natively-speaking
- ✎ English: Fluent (TOEFL iBT ETS)
- ✎ Bioinformatics, SAS Software, Galaxy bioinformatics

Teaching Experiences

- ✎ Basic Bacteriology, Undergrad level, Kut Technical Institute, Middle Technical University, 2008
- ✎ Poultry Management and Nutrition, Undergrad level, University of Wasit, 2010
- ✎ Basic Immunology, Undergrad level, Kut Technical Institute, Middle Technical University, 2011–present
- ✎ Special Topics, Histology Techniques, Undergrad level, Kut Technical Institute, Middle Technical University.

Area of Interest

- ✎ Preparation of next-generation and recombinant vaccines of poultry
- ✎ Preparation and testing the next-generation adjuvants
- ✎ DNA aptamers developing
- ✎ Isolation and identification of local strains of viral and bacterial pathogens of poultry
- ✎ Exosomes and extracellular vesicles as vaccine candidates for poultry
- ✎ Different programs of vaccination for commercial poultry

Books and Patents

- ✎ Adil S. Al-Ogaili, and Christine N. Vuong. Poultry Vaccinology and Adjuvants. (In progress)
- ✎ Adil S. Al-Ogaili et al., 2020. CD40-Specific DNA Aptamers as Vaccine Adjuvants, International Publication Number: WIPO USA Patents No. WO2020/210817 A1

Published Papers (Samples)

1. Adil S. Al-Ogaili. Detection of the Immune Response in Broiler Breeders, and their Progeny to Newcastle Disease Vaccine. The Iraqi J. of Vet. Med.; 35 (1): 37 – 41: 2011.
2. Adil S. Al-Ogaili & Khalid Y. Zeghair. Effect of Addition of Folic Acid on Growth, Pathogenesis, and Virulence of *Pseudomonas aeruginosa* in Broiler Chicks. 12th Sci. Conference for FTI/Health & Medical Res. Baghdad, Iraq. 3:97-103.
3. Adil S. Al-Ogaili. Immunological and Inflammatory Responses of Killed and Live Newcastle Disease Vaccines in Pigeons. J. of Al-Taqani/Agricultural Researches. Baghdad, Iraq. 25 (4): 1-8. 2012.
4. Adil S. Al-Ogaili, Khalid Y. Zeghair, Khudhair T. Ritha, & Bushra Jassim. Serological Survey on the Presence of Newcastle Disease Antibodies in the Human in Al-Kut Countryside. J. of Al-Taqani/Agricultural Researches. Baghdad, Iraq. 25 (4): 9-15. 2012.
5. Ausland C, A. S. Al-Ogaili, J. D. Latorre, G. Tellez-Isaias, B. M. Hargis, Y. M. Kwon, M. A. Arreguin-Nava, & P. Singh. Draft Genome Sequence of *Clostridium perfringens* Strain TAMU, Which Causes Necrotic Enteritis in Broiler Chickens. Microbiol Resour Announc 9:e01357-19. 2020.
6. Adil S. Al-Ogaili, Rohana Liyanage, Jack O. Lay Jr., Tieshan Jiang, Christine N. Vuong, Shilpi Agrawal, Thallapuram Krishnaswamy Suresh Kumar, Luc R. Berghman, Billy M. Hargis & Young Min Kwon. DNA Aptamer-Based Rolling Circle Amplification Product as a Novel Immunological Adjuvant. Scientific Reports. 10:22282. 2020.
7. Adil S. Al-Ogaili, and Samer Sadiq Hameed. Development of Lymphocyte Subpopulations in Local Breed Chickens. Veterinary World, 14(7): 1846-1852. 2021.

8. Adil S. Al-Ogaili, Samer S. Hameed, and N. Noori. LPS-Induced NLRP3 Gene-Expression in Chickens. *Open Veterinary Journal*, 12(2): 197–203. 2022
9. Samer S. Hameed, Adil S. Al-Ogaili, and N. Noori. Single-Stranded DNA Aptamers-Based Rolling Circle Amplification as Anti-Chicken Salmonella Bacteriostat. *Veterinary World*. 15(5): 1171–1176. 2022
10. Adil S. Al-Ogaili, Samer S. Hameed, and N. Noori. DNA Aptamers-Based Rolling Circle Amplification in Poultry Immunology and Medicine, a Review. (In Publication)
11. Adil S. Al-Ogaili, Samer S. Hameed, and Melad Ibrahim Oraibi. Improved Using Non-Starch Polysaccharide-Based Diet in Broiler Feeding, A Review. (In Publication)

References

Billy M. Hargis, DVM, PhD

Professor and Director, JKS Poultry Health Laboratory; Tyson Endowed Chair for Sustainable Poultry Health

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