

College of Veterinary Medicine

Name: Rawah Faraj
Title: Assistant Professor of Immunology

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EDUCATION/TRAINING

Institution and Location	Degree	Graduation Year	Major
College of Veterinary Medicine and Surgery University of Baghdad (Iraq)	Bachelor (DVM)	1996	Veterinary Medicine
Institute of Genetic Engineering and Biotechnology University of Baghdad (Iraq)	Master	2002	Genetic Engineering and Biotechnology
College of Veterinary Medicine / Tuskegee University, Tuskegee, Alabama	Ph.D.	2019	Interdisciplinary pathobiology
College of Veterinary Medicine / Tuskegee University, Tuskegee, Alabama	Post-doctoral	2021	Developmental Biology and Physiology

TEACHING

Immunology, The Veterinary Profession, Veterinary Law and Ethics, Financial Literacy, Bacteriology and Mycology, Medical Veterinary Microbiology.

RESEARCH INTERESTS

Infectious and Zoonotic Diseases, Ticks Borne Diseases, and Vaccine Production

RECENT PUBLICATIONS

- 1- **Rawah Faraj**, Hazem Ramadan, Kingsley E. Bentum , Bilal Alkaraghulli, Yilka Woube , Zakaria Hassan Temesgen Samuel, Abiodun Adesiyun , Charlene R. Jackson and Woubit Abebe. Antimicrobial Resistance, Virulence Gene Profiling, and Spa Typing of *Staphylococcus aureus* Isolated from Retail Chicken Meat in Alabama, USA. Pathogen, January 2025 Volume 14, Issue 107, PP 1-15, 22 (Impact factor 3.3)
- 2- Alhamza T Nijres, Abtisam J Ali, **Rawah A Faraj** Detection of *Mycoplasma gallisepticum* and *Mycoplasma synoviae* in Fertile Eggs by ELISA and Real-Time PCR. The Iraqi Journal of veterinary Medicine 2024, Vol. 48(2): PP. 98-104 (Impact factor 1.92)
- 3- Ahmed Ghazy, Rejoice Nyarku, **Rawah Faraj**, Kingsley Bentum, Yilka Woube, McCoy Williams, Evangelyn Alocilja and Woubit Abebe Gold Nanoparticle-Based Plasmonic Detection of *Escherichia coli*, *Salmonella enterica*, *Campylobacter jejuni*, and *Listeria monocytogenes* from Bovine Fecal Samples. Microorganisms 2024, Volume 12, 1069 pp: 1-15 (Impact factor 4.1)
- 4- Saad M Al-Tamimi, Abtisam J Ali, **Rawah A. Faraj** "The Impact of Two Types of *Mycoplasma gallisepticum* Vaccines on Broiler Chicken Respiratory System. University of Thi-Qar Journal of Agricultural Research. Volume 12, Issue 2 (2023) PP 131-1
- 5- Woubit Abebe, **Rawah Faraj**, Cheikh Ndiaye, Younoussa Diallo, Harshavardhan Thippareddi, Manpreet Singh. Food Safety Issues in Dairy Production in Senegal: Challenges and Pragmatic Solutions for the Dairy Value Chain. Food Protection Trends, vol. 43, no. 1, pp. 94-101, Jan 2023

RECENT PUBLICATIONS

6. Pawan Puri, Garfield Grimmett, **Rawah Faraj**, Laurielle Gibson, Ebony Gilbreath, Bradley K. Yoder. (Elevated PKA Activity in Stomach Mesenchyme Disrupts Mesenchymal-Epithelial Crosstalk and Induces Preneoplasia). Cellular and Molecular Gastroenterology and Hepatology. June 8, 2022 (Impact factor 9).
7. Kellon S. Banks, Crystal M. James, David Nganwa, John Heath, Lloyd Webb, Isra Elhussin, **Rawah Faraj** and Ehsan Abdalla (Knowledge and Awareness about Cervical Cancer and Human Papillomavirus among Women Living in Macon County, Alabama) (2022). Journal of Healthcare, Science, and the Humanities (JHSH)
8. Yilkal Woubel, Ehsan Abdella, **Rawah Faraj**, Ruby Perry, Gopal Reddy, Gemechu Wirtuand Woubit Abebe. (Prevalence and Concentration of Escherichia coli O157:H7 in Cattle, Products, and the Environment in the United States of America: A Meta-Analysis Study) Journal of Epidemiology and Public Health Reviews Volume 6 - Issue 3, September 11, 2021.
9. **Rawah Faraj**, Alrizarry-Alfonzo, P Puri (2019) Molecular characterization of nephron progenitors and their early epithelial derivative structures in the nephrogenic zone of the canine fetal kidney. European journal of histochemistry: EJH volume 63, Issue 3, PP 158-168. (Impact Factor 3.188)
10. **Rawah Faraj**, Ehsan Abdalla, Gopal Reddy¹, Temsgen Samuel, Woubit Abdela. (2018) Chimera of Heat-labile Enterotoxin B chain conjugate with LipL32 and or LipL21 proteins induces strong reactive antibodies in experimental mice. Journal of Biotechnology and Biochemistry volume 4, issue 3, PP 58 – 68 (Impact Factor 2,431).
11. Seham El Kassas, **Rawah Faraj**, Karmarcha Martin, George Hajishengallis, Terry D. Connelle and Toufic Nashar. (2015). Cell clustering and delay/arrest in T-cell division implicate a novel mechanism of immune modulation by E. coli heat-labile enterotoxin B-subunits. Cellular Immunology volume 295, issue 2, PP 150–162 (Impact Factor 4.868).
12. **Rawah A. Faraj**. Salwa.S. Muhsin (2013) Epidemiological study of surgical cases between 2000 - 2012 at the Hospital of Gastrointestinal and Liver disease in Baghdad city. IOSR Journal of Dental and Medical Sciences volume 10, issue 5, PP 12-14. (Impact Factor 0.05).
13. Shayma`a Jamal Ahmed, Al_Siaidy W. F., **Rawah. A. Faraj**. (2013). The effect of He-Ne Laser and UVC irradiation on sperm head morphology and DNA of testis for albino mice. IOSR Journal of Pharmacy and Biological Sciences volume 5, issue, 1, PP 9-13 (Impact Factor 3.83).
14. Shayma`a J. Ahmed, **Rawah. A. Faraj**, Mahera N. Al-Shaikh. (2013). Study the effects of Cumin and DNA profile in diabetic Rats. IOSR Journal of Pharmacy and Biological Sciences volume 5, Issue 1 (Jan. – Feb. 2013), PP 14-16 (Impact Factor 3.83).
15. Shayma`a Jamal Ahmed, **Rawah Adnan Faraj**, Rannin Azawi and Marawa.M. Abdel Al_Kareem. (2012). Study of comparison of antimicrobial potencies of Bauhinia Variegata leave extracts with antibiotics against selected bacteria. IOSR Journal of Pharmacy and Biological Sciences volume 4, issue 3, PP 44-46 (Impact Factor 3.83).
16. **Rawah Adnan Faraj**, and Maral Fathalla Thabit, (2012) Epidemiological study of dog bite cases in Baghdad city during 2010. AL-TAQANI, volume: 25 Issue: 2 pp: 50-55.