# Curriculum Vitae



## Personal Information

**Name:** Dr. Hakeem Jawad Kadhim
**Academic Title:** Assistant Professor
**Position:** Department of Scholarships and Cultural affair, University of Shatrah
**Nationality:** Iraqi
**Marital Status:** Married
**Date of Birth:** 1980
**Address:** Iraq – Thi-Qar Province – Shatrah District
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## Academic Qualifications

- **Ph.D. in Cell Biology and Microbiology, University of Arkansas, USA, 2020.**
  - **Dissertation** (Functional and physiological role of extra-hypothalamic corticotropin-releasing hormone neurons in the nucleus of the hippocampal commissure in regulation of stress response).
  - **Focus:** Molecular mechanisms regulating stress response, hypothalamic-pituitary-thyroid axis interactions, and neuroendocrine regulation in avian models.
- **Master's Degree in Embryology and Histology, University of Al-Nahrain, Baghdad, Iraq, 2009 – 2011.**
  - **Thesis** (Evaluation of DNA Fragmentation in the testicular tissue after cryopreservation /thawing cycle using the comet assay).
  - Studied embryonic development and tissue differentiation in human and veterinary models as well as reproductive assisted technologies.
- **Higher Diploma in Avian Pathology / Veterinary Medicine and Surgery/ University of Baghdad, Iraq 2002 – 2004**
- **Bachelor's Degree in Veterinary Medicine and Surgery/ University of Baghdad, Iraq/ 2002**
  - Graduated with a ranking of 10 out of 192 (Average 75.84%).

## Academic and Professional Positions

- **Head, Manager of Department of Scholarships and Cultural affair / University of Shatrah, Iraq/ 2023 – Present**
  - Overseeing international scholarships, student exchange programs, and cultural initiatives.
  - Coordinating relations with external academic institutions and organizations.

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- **Head, Department of Histology and Anatomy/College of Veterinary Medicine and Surgery, University of Thi-Qar, Iraq/ 2021 – 2023**
    - Managed departmental operations, curriculum development, and faculty supervision.
    - Organized workshops and seminars for student training and research enhancement.
- **Ph.D. Student (Cell and Molecular Biology)/University of Arkansas, Fayetteville, USA/ 2015 – 2020**
    - Conducted advanced research in neuroendocrinology and stress physiology.
    - Published multiple peer-reviewed articles in high-impact journals.
- **Head, Department of Histology and Anatomy/ College of Veterinary Medicine, University of Thi-Qar, Iraq/ 2014 – 2015**
    - Supervised academic staff and coordinated histology and anatomy teaching
- **Assistant Lecturer/College of Pharmacy, University of Thi-Qar, Iraq/ 2012 – 2014**
    - Taught histology, and laboratory practical sessions.
    - Mentored students in research methodology and experimental design.
- **Master's Student (Embryology and Histology)/ University of Al-Nahrain, Baghdad, Iraq/2009 – 2011**
- **Assistant Lecturer/ University of Thi-Qar, Iraq/ 2006 – 2009**
    - Delivered lectures and laboratory sessions in veterinary anatomy and physiology.
- **Position at the Independent High Electoral Commission of Iraq/ Iraq/ 2005 – 2006**
    - Assisted with administrative and organizational duties for national elections.
- **Veterinary Resident/ Thi-Qar Veterinary Teaching Hospital, Iraq/ 2004 – 2005.**
    - Clinical training in veterinary surgery and animal healthcare management.

## Area of interest

- Molecular mechanisms regulating stress response and endocrine signaling.
- Interaction between the hypothalamic–pituitary–adrenal (HPA) and hypothalamic–pituitary–thyroid (HPT) axes.
- Neuroendocrine control and negative feedback regulation of stress and hormonal homeostasis.
- Comparative stress physiology in avian and mammalian systems.
- Integration of neuropeptide, hormonal, and cellular signaling pathways in stress regulation.

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## Teaching Experience

- Lectured undergraduate and postgraduate courses in Cell Biology, Histology, Physiology, Endocrinology, Molecular Biology, Veterinary Anatomy, and Embryology.
- Supervised undergraduate, MSc, and postgraduate research projects, guiding experimental design, data analysis, and manuscript preparation.
- Developed laboratory exercises, practical assessments, and instructional materials for medical and veterinary students.
- Mentored graduate students in research methodology, scientific writing, and presentation skills.

## Research Experience

- Extensive experience in neuroendocrinology, stress physiology, and molecular mechanisms of hormonal regulation.
- Skilled in molecular biology techniques, including cell culture, immunohistochemistry, PCR, ELISA, microscopy, and gene expression analysis.
- Conducted collaborative research with international institutions on avian and mammalian stress response systems.
- Published in high-impact journals and presented research at international conferences.

## Publications


- Kadhim, H. J., Kang, S. W., and Kuenzel, W. J. (2019). Differential and temporal expression of corticotropin-releasing hormone and its receptors in the nucleus of the hippocampal commissure and paraventricular nucleus during the stress response in chickens (Gallus gallus). Brain Res. 1714: 1–7. https://doi.org/10.1016/j.brainres.2019.02.018
- Kadhim, H. J., Kidd, M., Kang, S. W., and Kuenzel, W. J. (2020). Differential delayed responses of arginine vasotocin and its receptors in septo-hypothalamic brain structures and anterior pituitary that sustain hypothalamic–pituitary-adrenal (HPA) axis functions during acute stress. Gen. Comp. Endocrinol. 286: 113302. https://doi.org/10.1016/j.ygcen.2019.113302.
- Kang, S. W., Kidd, M. T., Kadhim, H. J., Shouse, S., Orlowski, S. K., Hiltz, J., Anthony, N. B., Kuenzel, W. J., & Kong, B. C. (2020). Characterization of stress response involved in chicken myopathy. General and Comparative Endocrinology, 295(June), 113526. https://doi.org/10.1016/j.ygcen.2020.113526
- Kadhim, H. J., Kang, S. W., and Kuenzel, W. J. (2021). Possible roles of brain-derived neurotrophic factor and corticotropin-releasing hormone neurons in the

nucleus of the hippocampal commissure in the avian neuroendocrine regulation of stress. Stress 24 (5): 590–601. https://doi.org/10.1080/10253890.2021.1929163.

- Kadhim, H. J. and Kuenzel, W. J. (2022). Interaction between the hypothalamo-pituitary-adrenal and thyroid axes during immobilization stress. Front. Physiol. 12:712694. https://doi.org/10.3389/fphys.2022.972171
- Kong, B., Khatri, B., Kang, S., Shouse, S., Kadhim, H., Kidd Jr, M., Lassiter, K., Hiltz, J., Mallmann, B., Orlowski, S., Anthony, N., Bottje, W., Kuenzel, W., and Owens, C. (2021). Blood Plasma Biomarkers for Woody Breast Disease in Commercial Broilers. Front. Physiol. 12:712694. https://doi.org/10.3389/fphys.2021.712694
- Greene, E. S., Cauble, R., Kadhim, H., de Almeida Mallmann, B., Gu, I., Lee, S. O., Orlowski, S., & Dridi, S. (2021). Protective effects of the phytogenic feed additive "comfort" on growth performance via modulation of hypothalamic feeding- and drinking-related neuropeptides in cyclic heat-stressed broilers. Domestic Animal Endocrinology, 74(106487). https://doi.org/10.1016/j.domaniend.2020.106487
- Kadhim, H. J., Shlaga, A. K., & Ali, S. H. (2024). Effects of Newcastle disease infection on the mRNA expression of inflammatory biomarkers in naturally infected chicks. Journal of Animal Health and Production, 12(Special Issue 1), 120–126. https://doi.org/10.17582/journal.jahp/2024/12.s1.120.126
- Kadhim, H. J., & Hasan, I. J. (2025). Investigating the impact of dietary supplementation on mRNA expression of growth-related peptides and gut health in broilers. Journal of Animal Health and Production, 13(1), 51–58. DOI: 10.17582/journal.jahp/2025/13.1.51.58
- Hasan, I. J., Hasan, H. J., & Kadhim, H. J. (2025). Microwave-assisted pyrolysis of mixed agricultural wastes for bio-oil production. Pakistan Journal of Agricultural Research, 38(2), 110–118. https://dx.doi.org/10.17582/journal.pjar/2025/38.2.110.118
- Kadhim, H. J. (2024). The differential of glucocorticoid bioavailability modulators, mRNA expression, and neurotrophic factors in three organs in broiler chicken under immobilization stress. World's Veterinary Journal, 14(4), 498–507. https://dx.doi.org/10.54203/scil.2024.wvj57
- Kadhim, H. J., Shlaga, A. K., & Ali, S. H. (2024). Clinical and molecular identification of Newcastle disease virus in naturally infected chicks in Thi-Qar province of Iraq. Open Veterinary Journal, 14(11). https://doi.org/10.5455/OVJ.2024.v14.i11.10
- Abed, N. M., Kadhim, H. J., & Hamed, F. M. (2025). The protective and therapeutic roles of green tea extract on body weight, inflammatory markers, renal function, oxidative stress, and kidney histopathology in rats treated with

gentamicin. Open Veterinary Journal, 15(6). https://doi.org/10.5455/OVJ.2025.v15.i6.43

- Mohsen, T. R., & Kadhim, H. J. (2025). Association of human cytomegalovirus infection and cytokine dysregulation with recurrent spontaneous miscarriage. Microbes and Infection Disease. Accepted August 11, 2025
- Mohsen, T. R., & Kadhim, H. J. (2025). The relationship between interferon gamma gene expression and cytomegalovirus infection in women at risk of spontaneous abortion in Thi Qar Governorate. Journal of Education for Pure Science (JEPS). Accepted October 1, 2025.
- Shlaga, A. K., & Kadhim, H. J. (2024). Expression of Newcastle disease virus genes and inflammatory biomarkers in Newcastle disease-infected chicks. University of Thi-Qar Journal of Agricultural Research, 13(2), 165–175. https://doi.org/10.54174/kg11sm72
- Kudhur, H. A., Kadhim, H. J., & Ali, S. H. (2025). Prevalence, antibiotic resistance, and molecular characterization of Escherichia coli and Klebsiella spp. in infants with diarrhea. Microbes and Infection Disease. Accepted October 7, 2025.
- Khudhur, H. A., Kadhim, H. J., & Ali, S. H. (2025). Biochemical identification and antibiotic resistance of Citrobacter freundii isolated from diarrheal cases in Thi-Qar Province, Iraq. Al-Shatrah Veterinary and Biological Sciences Journal. Accepted September 25, 2025
- Abed, N. M., Al-Ghareebawi, A. M., Salman, R. S., & Kadhim, H. J. (2025). Impact of foot and mouth disease virus infection on some physiological parameters in ruminants in Southern Iraq. Journal of Livestock Science and Technologies. Submitted October 1, 2025.

## Poster and Conferences

- Kadhim, H., Kang, S., and Kuenzel, W. (2018). Different temporal activation of corticotropin-releasing hormone expression in the nucleus of hippocampal commissure and paraventricular nucleus of the brain following food deprivation stress in male broilers. 2018 May 18-19 National breeder roundtable, Saint Louis, Missouri.
- Kadhim, H., Kang, S., Kidd, M. Jr, and Kuenzel, W. (2019). Vasotocinergic system in septo-hypothalamic structures and anterior pituitary sustains HPA axis response in birds. October 19-23 Sfn Meeting, Chicago, IL.
- Kidd, M. Jr, Kadhim, H., Kang, S., and Kuenzel, W. (2019). Surgical disruption of corticotropin-releasing hormone neurons in the nucleus of the hippocampal commissure reduces HPA axis activity in birds. October 19-23 Sfn Meeting, Chicago, IL.

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- Kuenzel W, Kadhim H, Kang SW (2019). Change in Gene Expression of Major Receptors Involved in the Neuroendocrine Regulation of Stress in Poultry. Plant and Animal Genome XXVII Conference (January 12-16, 2019).
- Kuenzel W, Kadhim H (2022). A Consistent Sequence of Activation of Avian Neuroendocrine Genes Regulates the Stress Response Following Different Stressors. Plant and Animal Genome XXIX Conference (January 8-12, 2022)
- Kadhim, H., Kang, S., and Kuenzel, W. (2018). Further evidence that corticotropin-releasing hormone neurons in the nucleus of the hippocampal commissure are involved in stress responses in birds. July 23-26 PSA Meeting, San Antonia, Texas. Oral Presentation.
- Kuenzel, W., & Kadhim, H. (2022, January 8–12). A consistent sequence of activation of avian neuroendocrine genes regulates the stress response following different stressors. Paper presented at the Plant and Animal Genome XXIX Conference.

## Skills

- Molecular biology, cell biology, and neuroendocrinology research.
- Histology, microscopy, and embryology techniques.
- Laboratory management, experimental design, and data analysis.
- Academic teaching, mentoring, and curriculum development.
- Scientific writing and peer-reviewed publication preparation.

## Languages

- Arabic – Native
- English – Fluent