



Hasanain AJ Gharban

حسنين عبد الحسين جعفر غريبان

Professor

PROFILE

Veterinary medicine

Epidemiology

Clinical pathology

Infectious diseases

ACADEMIC TITLES

2015-06-14	Assistant Professor
2017-08-29	Lecturer
2020-09-17	Associate Professor
2025-09-21	Professor

TEACHING EXPERIENCE

Assist Prof Dr
College of Veterinary Medicine
2020-01 - Present

COURSES

- Veterinary clinic
- Veterinary clinic
- Veterinary clinic
- Veterinary clinic
- Veterinary clinic
- Veterinary Medicine
- Veterinary Medicine
- Infectious diseases
- Infectious diseases
- Epidemiology

ADMINISTRATIVE POSITIONS

2014-01-01 - 2016-01-01	Head department of Internal and Preventive Veterinary Medicine
2020-12-01 - 2021-04-01	Assistant Dean for Administrative Affairs
2021-04-01 - 2024-04-01	Head Department of Anatomy and Histology
2022-12-01 - 2025-12-01	Head Department of Quality Assurance
2024-09-01 - Present	Head Department of Internal and Preventive Veterinary Medicine

CONTACT

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EDUCATION

ماجستير (24-08-2014)
Internal and Preventive Veterinary Medicine
Baghdad University

دكتوراه (11-10-2020)
Internal and Preventive Veterinary Medicine
Baghdad University

بكلوريوس (24-08-2003)
Veterinary Medicine and Surgery
Al-Qadisiyah University

RESEARCH METRICS

h-index (Scopus)	12
h-index (GS)	22
Citations (Scopus)	334
Citations (GS)	880
Documents (Scopus)	64
Documents (GS)	96

PATENTS

HANDHELD MEDICAL DEVICE FOR REAL-TIME
MICROBIAL CULTURE

RESEARCH INTERESTS

- Infectious diseases
- Epidemiology
- Microbiology
- Parasitology
- Molecular techniques
- Serological techniques
- Hematology



1. **Phylogenetic analysis of Helicobacter pylori detected in Al-Najaf province, Iraq**
Egyptian Journal of Medical Microbiology 35 (1), 2026 | 2026 | Cited: 3
2. **Bacterial Genetics and Artificial Intelligence (AI)-Enhanced Microbial Engineering**
Advanced Materials for Biomedical Devices, 484-493, 2026 | 2026 | Cited: 2
3. **Keratinolytic Fungi for Poultry Feather Waste Valorization: Mechanisms, Biotechnological Applications, Economic Feasibility, and Future Perspectives**
Resources 2026 (15), 46, 2026 | 2026
4. **Fabrication Techniques in Picotechnology**
A Journey from Nanotechnology to Picotechnology: Atomic and Molecular Scale ...;, 2026 | 2026
5. **Clinical and Molecular Phylogenetic Detection of Trueperella pyogenes in Abscessed-wounds of Cattle**
Asian Journal of Dairy and Food Research 45 (2), 1-9, 2026 | 2026 | Cited: 1
6. **Understanding Zoonotic Disease Emergence Through Microbial Ecology and Transmission Pathways**
World Wide Journal of Multidisciplinary Research and Development 12 (2), 1-3, 2026 | 2026
7. **Harnessing Microbial Enzymes for Sustainable Industries and Circular Bioeconomy**
World Wide Journal of Multidisciplinary Research and Development 12 (2), 7-9, 2026 | 2026
8. **Emerging Roles of Veterinary Microbiology in Sustainable Animal Health Management**
World Wide Journal of Multidisciplinary Research and Development 12 (2), 4-6, 2026 | 2026
9. **Deep Learning Techniques for Intelligent Semantic IoT Communication**
2025 IEEE 5th International Conference on ICT in Business Industry ...;, 2026 | 2026
10. **AI-Driven Approaches to Bioinformatics for Precision Medicine in Healthcare Systems**
2025 IEEE 5th International Conference on ICT in Business Industry ...;, 2026 | 2026
11. **Case Studies in Sustainable Engineering with Nanomaterials**
Next-Generation Nanomaterials for Sustainable Engineering, 289-307, 2026 | 2026
12. **Keratinolytic Fungi for Poultry Feather Waste Valorization: Mechanisms, Biotechnological Applications, Economic Feasibility, and Future Perspectives**
Resources 15 (3), 46, 2026 | 2026
13. **Coxiella burnetii, A Neglected Infectious Bacterium of Global Distribution**
Egyptian Journal of Veterinary Sciences 57 (7), 347-365, 2026 | 2026
14. **First Serological and Molecular Phylogenetic Confirmation of Feline Leishmaniasis in Iraq**
Asian Journal of Dairy and Food Research 46 (3), 1-9, 2026 | 2026
15. **Pre-and Post-Operative Biochemical Evaluation for Companion Dogs of Surgically Removed Abdominal Masses.**
Alexandria Journal of Veterinary Sciences 89, 240, 2026 | 2026
16. **Eco-friendly green synthesis of zinc oxide nanoparticles using Acalypha indica L. leaf extract and their incorporation into topical formulations for acne and skin ...;**
Scientific Reports, 2026 | 2026
17. **In silico evaluation of Ulex europaeus L. phytochemicals for identification of potential inhibitors against Marburg virus viral protein 24**
Plant Science Today | 2026
18. **Therapeutic Role of Ziziphus spina-christi to Mitigate Isoproterenol-Induced Hepatic, Myocardial and Renal Dysfunctions in Rats**
Alexandria Journal of Veterinary Sciences, 0-0, 2026 | 2026
19. **Clinical and Molecular Phylogenetic Detection of Trueperella pyogenes in Abscessed-wounds of Cattle**
Asian Journal of Dairy and Food Research 45 (3), 508-516, 2026 | 2026 | Cited: 1
20. **Molecular Prevalence and Phylogenetic Analysis of Pseudomonas Species Infecting Nile Tilapia (Oreochromis niloticus) in Basra Province, Iraq**
Egyptian Journal of Aquatic Biology and Fisheries 30 (3), 2523-2545, 2026 | 2026

21. **Phylogenic analysis of Helicobacter pylori detected in Al-Najaf province, Iraq**
Egyptian Journal of Medical Microbiology 35 (1), 255-263, 2026 | 2026 | Cited: 3
22. **Perioperative and Biochemical Comparison of Ovariectomy and Ovariohysterectomy in Pet Cats**
Alexandria Journal of Veterinary Sciences, 0-0, 2026 | 2026
23. **Knowledge, attitudes, and interest in electronic mental health services among medical students at King Saud University, Saudi Arabia**
International Journal of Adolescence and Youth | 2026
24. **Knowledge, attitudes, and interest in electronic mental health services among medical students at King Saud University, Saudi Arabia**
International Journal of Adolescence and Youth 31 (1), 2652511, 2026 | 2026
25. **CURRENT ADVANCES IN VETERINARY PARASITOLOGY**
2026
26. **Pre-and Post-Operative Biochemical Evaluation for Companion Dogs of Surgically Removed Abdominal Masses**
Alexandria Journal of Veterinary Sciences 89, 240-240, 2026 | 2026
27. **AI-Driven Security Frameworks for 5G Wireless Communication Networks**
2025 International Conference on Emerging Technologies and Innovation for ...;, 2025 | 2025
28. **Normal Clinical and Hematological Indices in Newborn Lambs**
International Journal of Medical and Health Research 3 (2), 17-26, 2025 | 2025
29. **Multimodal Remote Sensing Sensors for Edge-Aware Intelligent Perception Systems**
2025 2nd International Conference on Advanced Computing and Emerging ...;, 2025 | 2025
30. **Molecular, Phylogenetic and Immunohistochemical Detection of Bovine Mycoplasmosis in Clinical and Subclinical Mastitic Cows in Wasit Province, Iraq**
Veterinary Medicine and Science | 2025
31. **Review Article: Anatomical and Physiological Development of Reproductive System in Female Murine**
Journal of Medical and Health Sciences (JMHS) | 2025
32. **Molecular Detection of Schistosoma spp. in Cattle Urine in Mosul, Iraq**
Egyptian Journal of Veterinary Sciences | 2025
33. **Physiological Impact of Formalin on Lipid Profile, and Protective Role of Vitamin C**
Egyptian Journal of Veterinary Sciences | 2025
34. **Formulation of a biosurfactant-based biode detergent using surfactin from Bacillus subtilis for oil-contaminated wastewater bioremediation**
Chemical Papers 79 (12), 8523-8536, 2025 | 2025 | Cited: 1
35. **Emerging trends in public health (2015–2025): A comprehensive review**
Transnational Medical and Health Sciences Journal 1 (1), 1-11, 2025 | 2025
36. **Molecular, Phylogenetic and Immunohistochemical Detection of Bovine Mycoplasmosis in Clinical and Subclinical Mastitic Cows in Wasit Province, Iraq**
Veterinary Medicine and Science 11 (6), 1-10, 2025 | 2025
37. **Immunity, antioxidant activity, and antibiotic susceptibility of clinically and phylogenetically confirmed colibacillosis in dogs with gastrointestinal disease**
Open Veterinary Journal 15 (8), 3746-3758, 2025 | 2025
38. **Prevalence and Control Measures of Mycoplasma Infections in Small Ruminants**
Journal of Animal Health and Production 13 (S1), 136-143, 2025 | 2025 | Cited: 2
39. **Integrated Architecture for Cloud Computing Employing Wearable IoT**
2025 International Conference on Intelligent and Secure Engineering ...;, 2025 | 2025
40. **Blockchain and Federated Learning (BFL) for Robust IoT Security: NONU**
2025 International Conference on Intelligent and Secure Engineering ...;, 2025 | 2025
41. **Tropical pulmonary eosinophilia among expatriate Indian workers in Saudi Arabia: a case series**
The Egyptian Journal of Bronchology 2025 (8), 1-13, 2025 | 2025
42. **Article review: causes and classification of anoestrus in cows**
Studies in Environmental and Animal Sciences 6 (2), 1-16, 2025 | 2025

43. **Article review: Global Burden of Brucellosis in Animals and Human**
Eastern Journal of Agricultural and Biological Sciences 5 (2), 39-47, 2025 | 2025
44. **Protective role of alcoholic extract of Juglans regia pulp in reducing the adverse effects of citalopram in the liver of male rats**
Open Veterinary Journal 15 (6), 2693-2702, 2025 | 2025
45. **Prevalence of Toxocara spp. in Cats and Detection of Intestinal Helminth Infections in Humans**
Journal of Animal Health and Production 13 (2), 496-501, 2025 | 2025
46. **Coxiella burnetii, A Neglected Infectious Bacterium of Global Distribution**
Egyptian Journal of Veterinary Sciences, 1-19, 2025 | 2025
47. **Prevalence Rate of Bacterial Infections in Urogenital Tract of Adult Goats, and Susceptibility to Antibiotics**
Journal of Agriculture, Aquaculture, and Animal Science 2 (1), 110-116, 2025 | 2025 | Cited: 1
48. **Traditional Investigation of Bacterial Pathogens in Urine of Adult Cows**
The Bioscan 20 (1), 88-92, 2025 | 2025
49. **Egyptian Journal of Veterinary Sciences**
2025
50. **Molecular phylogeny of tick species in naturally infested cattle**
2025
51. **Molecular, Histopathological, and Immunohistochemical Investigation of Peste des Petits Ruminants in Clinically Suspected Sheep in Wasit Province, Iraq**
Veterinary Medicine International 2025 (1), 2702787, 2025 | 2025 | Cited: 2
52. **Improving IoT Service Quality with the Allocation of Dynamic Bandwidth**
3rd International Conference on Disruptive Technologies (ICDT), 1276-1281, 2025 | 2025 | Cited: 5
53. **Molecular and serological incidences of Bordetella bronchiseptica in pet dogs with urinary infections**
Open Veterinary Journal 15 (3), 1397, 2025 | 2025 | Cited: 3
54. **Harnessing plant growth promoting rhizobacteria to bolster drought tolerance in plants**
Discover Applied Sciences, 2025 | 2025 | Cited: 8
55. **Molecular detection, seroprevalence, and phylogenetic analysis of Brucella suis in wild pigs (Sus scrofa) in Iraq: Implications for One Health surveillance**
Veterinary World 18 (9), 2733–2745, 2025 | 2025 | Cited: 2
56. **Physiological and Histological Ameliorative Effects of Walnutpulp Extract on Kidney Function of Rats Treated with Citalopram**
Asian Journal of Dairy and Food Research 44 (5), 753-760, 2025 | 2025 | Cited: 1
57. **First molecular phylogenetic and serological insights into Listeria monocytogenes infection in aborted ewes in Iraq: A cross-border comparative analysis**
Veterinary World 18 (7), 1899-1910, 2025 | 2025 | Cited: 4
58. **Phenotypic and molecular phylogeny of Klebsiella pneumoniae isolated from respiratory-diseased pet cats in Iraq**
Journal of Advanced Veterinary and Animal Research 12 (2), 621–628, 2025 | 2025 | Cited: 1
59. **Screening of Bacterial Isolates for the Decolourization of Reactive Azo Dyes**
Indian Journal of Applied and Pure Biology 40 (2), 1275-1280, 2025 | 2025 | Cited: 2
60. **Molecular detection of Enterobacter hormaechei in bovine respiratory disease**
Veterinární medicína 69 (12), 403, 2024 | 2024 | Cited: 1
61. **Identification of blaOXA-23 gene in resistant Pseudomonas aeruginosa strains isolated from cows and humans in Basra province, Iraq**
Veterinary World 17 (7), 1629-1636, 2024 | 2024 | Cited: 2
62. **Molecular identification of Klebsiella species from pneumonic goats, Iraq**
Open Veterinary Journal 14 (11), 2980-2988, 2024 | 2024 | Cited: 4
63. **Physiological Impact of Formalin on Lipid Profile, and Protective Role of Vitamin C**
Egyptian Journal of Veterinary Sciences 56 (7), 1513-1520, 2024 | 2024 | Cited: 3
64. **Molecular detection of Schistosoma spp. in cattle urine in Mosul, Iraq**
Egyptian Journal of Veterinary Sciences 56 (3), 449-456, 2024 | 2024 | Cited: 3

65. **First molecular phylogeny of *Bartonella bovis* in Iraqi cattle**
Open Veterinary Journal 14 (9), 2361-2367, 2024 | 2024 | Cited: 3
66. **Anatomical and physiological development of reproductive system in female Murine**
Journal of Medical and Health Sciences (JMHS) 3 (1), 34-54, 2024 | 2024
67. **Physiological Impact of Nicotine on Rats**
Annals of the Romanian Society for Cell Biology 28 (1), 351-362, 2024 | 2024
68. **Article Review: Skin Diseases in Dromedary Camels**
Journal La Lifesci 5 (3), 215-226, 2024 | 2024 | Cited: 1
69. **Serological prevalence of anti-Fasciola hepatica antibodies in sheep**
Egyptian Journal of Veterinary Sciences 55 (6), 1583-1590, 2024 | 2024 | Cited: 26
70. **Biochemical and Histological Effects of Long-Term Administration of Estrogen on Female Mice**
Advances in Animal and Veterinary Sciences 12 (8), 1563-1572, 2024 | 2024 | Cited: 13
71. **Alternative therapeutic approach of ovine subclinical mastitis using the ethanolic roots extract of *Capparis spinosa***
Open Veterinary Journal 14 (3), 814, 2024 | 2024 | Cited: 15
72. **First genotyping confirmation of *Pichia kudriavzevii* in subclinically mastitic cows in Iraq**
Revista de Ciências Agroveterinárias 23 (3), 417-424, 2024 | 2024 | Cited: 10
73. **Phylogenetic analysis of *Klebsiella pneumoniae* isolates of respiratory tract infections in humans and sheep**
Open Veterinary Journal 14 (9), 2325-2333, 2024 | 2024 | Cited: 8
74. **Molecular, Hematological and Biochemical Investigation of *Trypanosoma* spp. in Sheep**
Asian Journal of Dairy and Food Research 43 (First online), 1-7, 2024 | 2024 | Cited: 6
75. **Insights for possible association and impact of thyroidectomy to osteoarthritis**
Beni-Suef University Journal of Basic and Applied Sciences 13 (2024), 1-16, 2024 | 2024 | Cited: 5
76. **First molecular phylogeny of *Bartonella bovis* in Iraqi cattle**
Open Veterinary Journal | 2024
77. **Molecular identification of *Klebsiella* species from pneumonic goats, Iraq**
Open Veterinary Journal | 2024
78. **Molecular, hematological and biochemical investigation of *Trypanosoma* spp. in sheep**
Asian Journal of Dairy and Food Research | 2024
79. **Phylogenetic analysis of *Klebsiella pneumoniae* isolates of respiratory tract infections in humans and sheep**
Open Veterinary Journal | 2024
80. **Serological Prevalence of Anti-Fasciola Hepatica Antibodies in Sheep**
Egyptian Journal of Veterinary Sciences | 2024
81. **Molecular identification of *Eimeria* spp. and *Eimeria bovis* in water buffaloes, Iraq**
Journal of Global Innovations in Agriculture Sciences | 2023
82. **Serological identification of MERS-CoV in camels of Wasit province, Iraq**
Open Veterinary Journal 13 (10), 1283–1289-1283–1289, 2023 | 2023 | Cited: 10
83. **Serological Detection, Isolation and Molecular Confirmation of Parainfluenza Virus-3 in Camels, Iraq**
Bionatura 8 (1), 1-10, 2023 | 2023 | Cited: 4
84. **Most clinically detected viral diseases in field animals of Wasit Province, Iraq**
Annals of the Romanian Society for Cell Biology 27 (01), 154-168, 2023 | 2023 | Cited: 19
85. **Serological identification of MERS-CoV in camels of Wasit province, Iraq**
Open Veterinary Journal 13 (10), 1283–1289, 2023 | 2023 | Cited: 10
86. **Role of nuc gene in *Staphylococcus aureus* to phagocytic activity in different cattle infections**
Open Veterinary Journal 13 (8), 1021-1026, 2023 | 2023 | Cited: 12
87. **Molecular genotyping, histopathological and immunohistochemical studies of bovine papillomatosis**
Open Veterinary Journal 13 (1), 26-41, 2023 | 2023 | Cited: 38

88. **Molecular prevalence and phylogenetic confirmation of bovine trichomoniasis in aborted cows in Iraq**
Veterinary world 16 (3), 580, 2023 | 2023 | Cited: 27
89. **The role of endoplasmic reticulum stress in endometriosis**
Cell Stress and Chaperones 28 (2), 145-150, 2023 | 2023 | Cited: 27
90. **Effectiveness of raw bacteriocin produced from lactic acid bacteria on biofilm of methicillin-resistant *Staphylococcus aureus***
Veterinary World 16 (3), 491, 2023 | 2023 | Cited: 25
91. **Molecular identification of *Eimeria* spp. and *Eimeria bovis* in water buffaloes, Iraq**
J. Glob. Innov. Agric. Sci 11 (3), 363-369, 2023 | 2023 | Cited: 13
92. **Serological Investigation of Different Abortive Pathogens in One Humped Camels, Iraq**
10th. INTERNATIONAL CONGRESS ON APPLIED SCIENCES 10 (1), 411-426, 2022 | 2022 | Cited: 8
93. **The first study on confirmation and risk factors of acute and chronic canine distemper in stray dogs in Wasit Province, Iraq, using enzyme-linked immunosorbent assay and**
Veterinary World 15 (4), 968, 2022 | 2022 | Cited: 27
94. **Determine the glucose regulatory role of decaffeinated Green Tea extract in reduces the metastasis and cell viability of MCF7 cell line**
AIP Conference Proceedings 2394 (1), 020003, 2022 | 2022 | Cited: 24
95. **Molecular and seroprevalence of toxoplasmosis in goats' blood and milk in Iraq**
Archives of Razi Institute 77 (5), 1749, 2022 | 2022 | Cited: 31
96. **First molecular genotyping of *Cryptosporidium felis* in cattle, Iraq**
Archives of Razi Institute 77 (6), 2345, 2022 | 2022 | Cited: 7
97. **Clinical and serological diagnosis of bovine hypodermosis in Wasit Province.**
2022 | Cited: 22
98. **Microscopic Investigation of Bovine Haemoparasites in Wasit Province, Iraq**
Annals of the Romanian Society for Cell Biology 26 (1), 1143 - 1159, 2022 | 2022 | Cited: 14
99. **The first study on confirmation and risk factors of acute and chronic canine distemper in stray dogs in Wasit Province, Iraq, using enzyme-linked immunosorbent assay and reverse transcription-polymerase chain reaction**
Veterinary World | 2022
100. **Clinical and Serological Diagnosis of Bovine Hypodermosis in Wasit Province**
Revista Electronica de Veterinaria | 2022
101. **CLINICAL AND SERUM BIOCHEMICAL EVALUATION OF GOATS WITH HYPOMAGNESEMIA**
Biochemical and Cellular Archives | 2021
102. **FIRST ISOLATION AND MOLECULAR PHYLOGENETIC ANALYSIS OF COXIELLA BURNETII IN LACTATING COWS, IRAQ**
Bulgarian Journal of Veterinary Medicine | 2021
103. **First serodetection and molecular phylogenetic documentation of *Coxiella burnetii* isolates from female camels in Wasit governorate, Iraq**
Iraqi Journal of Veterinary Sciences | 2021
104. **First molecular confirmation of *Coenurus cerebralis* in sheep and goats with neurological behaviors in Iraq**
Veterinary World 14 (6), 1420, 2021 | 2021 | Cited: 23
105. **First isolation and molecular phylogenetic analysis of *Coxiella burnetii* in lactating cows, Iraq.**
Bulgarian Journal of veterinary medicine 24 (4), 2021 | 2021 | Cited: 25
106. **Cumulative effect of subclinical mastitis on immunological and biochemical parameters in cow milk**
Archives of Razi Institute 76 (6), 1629, 2021 | 2021 | Cited: 44
107. **Clinical and serum biochemical evaluation of goats with hypomagnesemia.**
Biochemical & Cellular Archives 21 (1), 2021 | 2021 | Cited: 33
108. **First serodetection and molecular phylogenetic documentation of *Coxiella burnetii* isolates from female camels in Wasit governorate, Iraq.**
2021 | Cited: 24

109. **Molecular and histopathological identification of ovine neosporosis (*Neospora caninum*) in aborted ewes in Iraq**
Veterinary world 13 (3), 597, 2020 | 2020 | Cited: 36
110. **Serological and Molecular Phylogenetic Detection of *Coxiella burnetii* in Lactating Cows, Iraq**
The Iraqi Journal of Veterinary Medicine 44 (0), 42-50, 2020 | 2020 | Cited: 37
111. **Serological, clinical and hematological prevalence of *Coxiella burnetii* in adult cows, Iraq**
Biochem. Cell. Arch 20 (1), 67-74, 2020 | 2020 | Cited: 24
112. **Detection and Bloody Profiles Evaluation of Naturally Infected Camels with Subclinical *Trypanosoma evansi*, Iraq**
Annals of Tropical Medicine and Public Health | 2020
113. **Molecular and histopathological confirmation of clinically diagnosed lumpy skin disease in cattle, Baghdad Province of Iraq**
Veterinary world 12 (11), 1826, 2019 | 2019 | Cited: 48
114. **Serological and Molecular Estimation of *Theileria equi* Infections in Horses of Baghdad, Al-Qadisiyah, and Wasit Provinces / Iraq**
Annals of the Romanian Society for Cell Biology 23 (2), 276-289, 2019 | 2019
115. **Molecular detection and blood profiles evaluation of naturally infected camels with subclinical *Trypanosoma evansi*, Iraq**
Ann. Trop. Med. Public Health 23 (S20), SP232243, 2018 | 2018 | Cited: 25
116. **Application of three diagnostic serologic techniques to detect of dromedary camel's brucellosis**
Al-Qadisiyah journal For pure science 23 (2), 61-74, 2018 | 2018 | Cited: 15
117. **Microscopic, Serological and Molecular Detection of *Babesia bigemina* in Buffaloes (*Bubalus bubalis*) in Wasit Province, Iraq**
Al-Qadisiyah Journal of Veterinary Medicine Sciences 16 (2), 1-11, 2017 | 2017 | Cited: 12
118. **Seroepidemiological Detection and Culture Utilization for Diagnosis of Carrier Horses and Donkeys with Strangles**
Education College Journal 28 (1), 1-10, 2017 | 2017 | Cited: 23
119. **Seroepidemiological and molecular identification of *Neospora caninum* in cattle in Wasit province.**
2017 | Cited: 10
120. **SEROCLINICAL DIAGNOSIS OF *Anaplasma marginale* BACTERIA IN CARRIER ARABIAN ONE-HUMPED CAMELS**
Basrah Journal of Veterinary Researches 15 (2), 346-359, 2016 | 2016 | Cited: 23
121. **Clinically, Coprologically and Immunologically, *Fasciola hepatica* Detection in Wasit Province Buffaloes**
Al-Anbar Journal of Veterinary Science 9 (2), 31-40, 2016 | 2016 | Cited: 8
122. **Serological diagnosis of persistent infection with *Anaplasma marginale* bacteria in cattle**
Iraqi Journal of Veterinary Medicine 39 (1), 33-39, 2015 | 2015 | Cited: 24