

Contents

A Boolean Network Approach to Study the Mechanism Associated with Inflammatory Response Induced by *Porphyromonas gingivalis*

The Association of Angiotensin-Converting Enzyme 2 Polymorphism and SARS-CoV-2 Infection in the Iraqi Population

Genetic Diversity of *Hottentotta* sp. Scorpions (Scorpionidae: Buthidae) in Khuzestan, Iran

Detection of Some Causes of Feline Eye Infections in Baghdad City

Antibiotic Susceptibility Profile of Bacteria Causing Aerobic Vaginitis in Women in Iraq

Relationship between SCD1 Gene Polymorphism and the Production and Composition of Milk in the Iraqi Awassi Sheep

Cardioprotective Effects of Octreotide against Sepsis-Induced Cardiotoxicity in Mice

The Expression of MMP1 and MMP7 in Mice Liver after Exposure to Aflatoxin B1 Using Immunohistochemistry Technique

Detection of Antibiotic Resistance Genes (*CTX-M*, *Van A* and *Van B*) of *Enterococcus faecalis* Isolated from Children with Bacteremia by RT-PCR

Prevalence of Anti-Human Herpes Virus Type 7 IgG Positivity Rate among Children with Fever and Skin Rash in Diyala Province, Iraq

Histopathological Study to Evaluate the Effect of Aqueous Extract of *Portunuspelagicus* and Mebendazole on Hydatid Cysts in Mice

Effect of Licorice Essential Oil (*Glycyrrhizaglabraglabra*) on Performance and Some Biochemical Parameters of Broiler Chickens

Evaluation of Phosphorus Storage and Performance of Broilers Using Phytase Synthetic Enzyme

The Effect of *Eucalyptus globulus* Hydroalcoholic Extract on LH, FSH and Testosterone Concentrations and Sperm Morphology

in vitro Study of Primary Isolation and Culture of Adipose-Derived Stem Cells and Induction of Chondrogenic Differentiation

The Role of Selenium on the Status of Mineral Elements and Some Blood Parameters of Blood Serum of Lambs

Physiological and Histological Effects of Ginseng Oil on Reproductive Efficiency in Adult Male Rats

Effect of Sevoflurane and Isoflurane on Post-Anaesthesia Cognitive Dysfunction in Normal and Type II Diabetic Rats

Molecular Study of *ACE2* Gene Polymorphism of COVID-19 Infection among the Kurdish Population in Kurdistan Region- Iraq

Effects of Dietary Supplementation of arginine-silicate- Inositol and Phytase Complex on Egg Quality, Egg Shell Strength, and Blood Biochemical Characteristics of Laying Hens

The Effect of Active Compounds and Trace Elements Extracted from Artemisia Fruit on Some Liver Enzymes in Humans

The Relation between Increasing Anxiety and Prolactin-Releasing Peptide in Rats

Screening of Exons 4-9 Polymorphisms of FTO Gene in Endometrial and Ovarian Cancers

L-Theanine Improves Locomotor Function in a Model of Multiple Sclerosis Mice

Antibacterial and Antioxidant Activity of *Ziziphora clinopodioid* Lam. (*Lamiaceae*) Essential Oil

Investigation of the Inhibition Activity of Aluminium Oxide Nanoparticles for Herpes Simplex Type 1

Comparison between Polymerase Chain Reaction and Blood Culture for Diagnosis of Neonatal Sepsis

The Influence of Vaginal Dysbiosis on Intracytoplasmic Sperm Injection Outcome

***Marrubium persicum* Improved the Biological Parameters Associated with Angiogenesis and Inflammation in Mice**

Role of Date Palm Pollen on Heifer's Puberty and Maturity in Iraq

Effects of the Melatonin and Vitamin E (Alpha-Tocopherol Acetate) as Antioxidants on Biochemical Blood Parameters, Lipid Profile, and Muscle Vitamin E Concentration in Awassi Lambs Fed a High-Energy Diet and Normal Diet

Evaluation of the Role of MAP4K4 in Focal Adhesion Dynamics and Regulation of Cell Migration of Breast Cancer Cell Line MDA-MB-231

Detection of AcrA and AcrB Efflux Pumps in Multidrug-Resistant *Klebsiella pneumonia* that Isolated from Wounds Infection Patients in Al-Diwaniyah Province

A Novel Application of Zinc Oxide Nanoparticles for Inhibition of *Molluscum contagiosum* Virus Infection

Prevalence, Haematological and Molecular Studies of *Haemonchus contortus* Isolated from Goat at AL-Muthanna Province, Iraq

Antifungal Activity of Phenols Compound Separated from *Quercus infectoria* and *Citrullus colocynthis* against Toxic Fungi

Analysis of Proinflammatory Cytokines in COVID-19 Patients in Baghdad, Iraq

Detection of Main Causative Agents among Young Children Suffering from Epiglottitis in Hilla City, Iraq

***In silico* Analysis of a 29 kDa *Echinococcus granulosus* Protoscolex Protein (P29) as a Vaccine Candidate against Cystic Echinococcosis**

Molecular-Genotyping Detection of *Entamoeba histolytica* in Diarrheic Patients

Effect of Supplementation of Diets with L-Carnitine and Methionin on Broiler Chicken Productive Performance

Systemic Interleukin-6 Response after Intravesical Instillation of Bacillus Calmette-Guérin and Mitomycin C in Superficial Bladder Cancer

The Effect of Early Feeding and Transporting Time from Hatcher to Farm On the Productive Performance and Carcass Traits of Broiler Chickens

Serological and Molecular Detection of Human Brucellosis in Rural Areas in Wasit Province, Iraq

Effects of *Malva parviflora* Leafs as the Herbal Additives on Broilers Productivity

Quantification of Acute and Chronic Theileriosis in Sheep by Quantitative PCR (qPCR)

Isolation of *Pseudomonas aeruginosa* from Persistent Bacterial Coinfection of a COVID-19 Patients with Molecular Detection of Antibiotics Resistance Genes

Comparison of IgA Antibody Titer Induced by Human-Bovine Rotavirus Candidate Vaccine with Bovine Rotavirus and Rotarix

Application of a Multiplex PCR Assay for Molecular Identification of Pathogenic and Non-Pathogenic Leptospire based on lipL32 and *16S rRNA* Genes

Hepatoprotective Effect of Vitamin B12 in Acetaminophen Induce Hepatotoxicity in Male Rats

The Role of Akt/Rab5A Signalling in Regulating Cell Migration of MDA-MB-231 Breast Cancer Cell Line
Secretory Excretory and Somatic Immunogenic Antigens Profiles of Adult *Fasciola* spp.

Prevalence and Phylogenetic Analysis of *Fusobacterium nucleatum* and Virulent Factor *FadA* among Ulcerative Colitis Precancerous and Colorectal Carcinoma Patients in the Iraqi Kurdish Population

Liver Function Abnormalities in COVID-19 Patients and their Association with Age and Sex: a Cross-Sectional Study

The Effects of Metformin Treatment on Diabetic Albino Rats' Pancreas, Liver, and Kidney Histology

Detection of Virulence Factors from *Candida* spp. Isolated from Oral and Vaginal Candidiasis in Iraqi Patients

Diagnosis of Oral *candidiasis* in Patients under 12 Years: 18S *rRNA* as a Marker of Molecular Characterization of *Candida tropicalis*

Effect of Non-Nutritive Sweeteners on Antibacterial Activity of Black and Green Tea Aqueous Extracts against Salivary *Mutans Streptococci* (*in-vitro* Study)

Genetic Polymorphisms of *NOD2* and *ATG16L1* in Different Types of Digestive Tract Inflammation

Anticandidal Effects of Zinc Oxide Nanoparticles on Fluconazole-Resistant *Candida* Isolates Causing Diarrhea in Calves, *in vitro*

Reviewers' Name

Abdigoudarzi, Mohammad

Rafiee Barzoki, Mohammad

Asadi, Mohammadreza

Rezaii, Farid

Baradaran Seyed, Zahra

Salabi, Fatemeh

Bashashati, Mohsen

Shahsavandi, Shahla

Dabaghian, Mehran

Soleimani, Sina

Dadar, Maryam

Tabatabaeizadeh, Seyed-Elias

Dadashpour Davachi, Navid

Tahoori, Fatemeh

Feizabadi, Mohammad Mehdi

Tebianian, Majid

Hajimoradi, Monireh

Zendehdel, Morteza

Hassanpour, Shahin

Jafari, Hedieh

Khalesi, Bahman

Madani, Rasool

Masoudi, Reza

Mojgani, Naheed

Morovati Khamsi, Hassan

Motamed, Najmeh

Mozaffari Nejad, Amir Sasan

Muhammad, Faiz

Pilehchian Langroudi, Reza