

WOAH Collaborative Centre Reports Activities 2025

This report has been submitted: 4 janvier 2026 09:25

CENTRE INFORMATION

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TOR 1 AND 2: SERVICES PROVIDED

1. Activities as a centre of research, expertise, standardisation and dissemination of techniques within the remit of the mandate given by WOA

Category	Title of activity	Scope
Disease control (true)	The Internal Medicine and Infectious Diseases Clinic services.	The Internal Medicine and Infectious Diseases Clinic serves as the primary entry point for cases visiting the college clinic, where cases are assessed and referred to appropriate specialty clinics when needed. It provides diagnostic and treatment services for approximately 2,948 cases of internal and infectious diseases, delivered by a team of consultant veterinarians and specialists in cardiology, nephrology, hepatology, and infectious diseases. The clinic also issues health certificates for dogs traveling internationally.
Disease control (true)	Surgery Clinic services.	The clinic provides the clinical cases of pets, wild and large animals, as well as birds and reptiles, for student training and explanation of the clinical curriculum for the fourth- and fifth-year students, the general and distinguished program, as well as master and PhD students. Along with the framework of continuous education for graduates, the hospital provides the opportunity for veterinarians to be present to follow up on what is new in the methods of diagnosis, treatment, and surgery for animals. The hospital provides a very good opportunity for researchers from the department to conduct the necessary scientific research to be promoted to higher scientific degrees, as they use the facilities of the hospital, including incoming clinical cases, x-ray equipment, sonar and anesthesia equipment, and operations rooms. About 35290 cases were received in 2025.
Disease control (true)	Services Provided by the Veterinary Clinic for Gynaecology, Obstetrics, and Artificial Insemination Clinic	It provides diagnostic and treatment services for incoming cases (about 2705 cases in 2025), which serve the community service sector and environmental affairs.
		The caravans provide several services during their visits, including free examination and treatment of animals, a

Disease control (true)	Caravans.	comprehensive survey of veterinary issues in the villages, and offering scientific and practical expertise to residents. They facilitate knowledge exchange between faculty members and veterinarians from the directorate, perform surgical operations in field conditions to encourage local veterinarians, and allow final-year students to observe and treat cases under faculty supervision. Additionally, they provide preventive treatments such as deworming and address external parasite infestations through spraying or injections. The number of cases is 17716
Disease control (true)	The Incineration Unit of Cadavers and Environmentally Polluting Waste.	Achievements of the Animal Carcass and Contaminated Waste Incineration Unit (2025) • Established as a special unit at the Faculty of Veterinary Medicine, Cairo University, for the safe disposal of animal carcasses and biological waste using an environmentally friendly natural gas incinerator. • Collaborated with faculty centers for the safe disposal of poultry waste after training programs. • Signed cooperation protocols with the Ministry of Health and other institutions for safe disposal of animal carcasses, animal waste, and contaminated environmental waste. • Upgraded infrastructure, including carbon filters, a bone crusher, and maintenance of the incinerator to enhance safe operations. • Partnered with national and international institutions for the safe disposal of laboratory and animal facility waste. • Implemented protocols with the Faculty of Science for safe disposal of expired chemicals and hazardous materials. • Obtained technological approval from the Ministry of Health for safe hazardous waste disposal. • Monitored and ensured incinerator efficiency and compliance with environmental regulations, including inspections and follow-ups for environmental licensing.
Disease control (true)	Research project	Reducing antimicrobial resistance using a new machine learning algorithm for targeted therapy of dry cows in dairy farms. Funded by the Science, Technology, and Innovation Funding Authority (STDF).
Disease control (true)	Training Course	The Department of Internal and Infectious Diseases, in cooperation with the Department of Obstetrics, Reproduction, and Artificial Insemination and in coordination with the Scientific Center of the Veterinary Syndicate, organized a training course entitled "Use of Ultrasound in Diagnosing Health Problems in Dogs". The course was attended by 44 trainees.
Disease control (true)	Expert participation	Two experts from the Departments of Surgery and Internal Medicine, Faculty of Vet. Med., Cairo Univ. are Members of the Advisory Committee of Al-Zahraa Arabian Horse Station, Ministry of Agriculture, Egypt
Disease control (true)	Expert participation	An expert from the Department of Surgery, Faculty of Vet. Med., Cairo Univ. is the Surgery Consultant for the Security and Guard Dogs Department at the Police Academy/Interior Ministry, Egypt
Disease control (true)	Book publishing	An expert from the Department of Surgery, Faculty of Vet. Med., Cairo Univ. published an international book by Noor Publishing entitled "Clinical and Educational Studies on some Equine Fractures" ISBN-13 978-3330967441
Epidemiology, surveillance, risk assessment (true)	Research Project	Molecular epidemiological study of salmonellosis in cattle and buffalo in Egypt, and production of a recombinant vaccine strain using CRISPR technology for use in infection control. funded by the Science, Technology, and Innovation Funding Authority (STDF).
Epidemiology, surveillance, risk assessment (true)	International collaborative Research project	Reducing Antimicrobial Resistance in Dairy Farms Using a Novel Machine Learning Algorithm for Treatment Optimization. This collaborative project aims to tackle the challenge of antimicrobial resistance in dairy farms by developing and implementing a new machine learning algorithm. The project focuses on optimizing treatment strategies to minimize the use of antibiotics while maintaining animal health and productivity. Through advanced data analysis and predictive modeling, the algorithm will assist in identifying effective and targeted interventions, contributing to sustainable livestock management and reducing the spread of antimicrobial

		resistance.
Epidemiology, surveillance, risk assessment (true)	Occupational Safety, Health, and Disaster Management Unit	The Occupational Safety, Health, and Disaster Management Unit conducted a training on occupational safety and health, focusing on hazard management in the workplace, for staff and warehouse keepers. Additionally, the unit coordinated with a shelter for stray dogs at the western campus, successfully transferring all the stray dogs. The unit also collaborated with Al-Fahd Company to carry out comprehensive pest control procedures at the eastern campus, and with the Faculty of Agriculture team to perform rodent and reptile spraying at the same location.
Epidemiology, surveillance, risk assessment (true)	Expert participation	An expert from the Department of Surgery, Faculty of Vet. Med., Cairo Univ. is a Member of the Egyptian Medical Center (Martyrdom Evidence Committee), Egypt
Epidemiology, surveillance, risk assessment (true)	Expert participation	An expert from the Department of Virology, Faculty of Vet. Med., Cairo Univ. contributes to providing guidance and advice on vaccination programs for highly pathogenic transboundary animal diseases as a technical expert at EuFMD of the Food and Agriculture Organization of the United Nations.
Epidemiology, surveillance, risk assessment (true)	Expert participation	Experts from the Department of Pathology at the Faculty of Veterinary Medicine, Cairo University, actively engages in various collaborative endeavours. The department cooperates with the Armed Forces Hospital clinic to conduct histopathological examinations of tissue biopsies and provide accurate disease diagnoses. Furthermore, the department plays a crucial role in supporting Giza Zoo by performing necropsies on deceased animals, contributing to a better understanding of animal health within the zoological environment. In addition, upon request from the college administration, the department actively contributes to solving equine health problems encountered in government-owned farms.
Training, capacity building (true)	International Ranking	According to the QS World University Rankings by Subject 2025 the Faculty of Veterinary Medicine, Cairo University is ranked within the 51–100 band worldwide in the field of Veterinary Sciences, maintaining the same position achieved in previous years.
Training, capacity building (true)	International Ranking	Shanghai Global Ranking of Academic Subjects 2024 that releases 2025 The Faculty of Veterinary Medicine at Cairo University maintained its position in the 2024 Global Ranking of Academic Subjects. The faculty continued to rank within the 101–150 category, which is the same ranking range it achieved over the past two years.
Training, capacity building (true)	International Ranking	SCImago Institutions Rankings 2025 The Faculty of Veterinary Medicine, Cairo University, achieved 39th place globally in the SCImago Institutions Rankings 2025, advancing 7 positions compared to the previous year, in which it ranked 46th The faculty continued to appear within the 101–150 range in the subject-specific ranking, the same ranking range it maintained over the past two years.
Training, capacity building (true)	International Ranking	Edurank Ranking The Faculty of Veterinary Medicine, Cairo University, achieved 52nd place globally in the Edurank classification.
Training, capacity building (true)	Journal achievements	International Journal of Veterinary Science and Medicine According to the annual Scopus database report for 2025, the journal achieved a CiteScore of 4.5, ranking it second globally among 24 international journals in the field of veterinary medicine. The journal continues to be classified within the Q1 quartile, with a percentile of 89%. According to Clarivate data, the journal achieved in June 2025 an Impact Factor (IF) of 3.2, marking a noticeable improvement from the previous year (IF: 2.8). In the Veterinary Sciences category, the journal ranked in the first quartile (Q1) with a percentile of 93.2%, placing it 12th out of 170 journals in the field; an improvement from the previous ranking of 15th place. The number of submitted articles increased from 160 in 2023 to 200, with an acceptance

		rate of 11%, reflecting the journal's high standards and rigorous selection of high quality research. According to Taylor & Francis (the journal's publisher), the total number of article downloads reached 17,799 downloads in 2025. The journal attracted submissions from authors across many regions of the world, including Spain, Mexico, the United Kingdom, South Korea, the United States, Thailand, and Colombia, contributing to the journal's mission of promoting intellectual diversity and enriching academic content. The journal has transitioned from its publisher, Taylor and Francis, to Walter Kluwers, which enjoys wider global dissemination in the field of medical sciences.
Training, capacity building (true)	Journal achievements	Veterinary Medical Journal – Giza The journal received 16 research manuscripts, of which 8 manuscripts were accepted for publication, while the remaining submissions were either rejected or returned for not meeting the publication requirements. The accepted papers were published in Volume 70, across 147 pages. The accepted research covers the following specialties: Anatomy – Microbiology – Immunology – Pharmacology – Veterinary Public Health – Animal Behavior – Epidemiology – Biochemistry – Physiology. Issue link: https://vmjg.journals.ekb.eg/issue_49277_49279.html
Training, capacity building (true)	Awarded Academic Degrees	Total Number of Students Awarded Academic Degrees in the Postgraduate Programs (University Year 2024–2025) The total number of students who were awarded their academic degrees in the postgraduate programs during the 2024–2025 academic year is 278 students. (204 in the Diploma program – 51 in the Master's program – 23 in the PhD program).
Training, capacity building (true)	Students Enrolled in Postgraduate Programs	Total Number of Students Enrolled in Postgraduate Programs for the Academic Year 2024–2025 The total number of students who enrolled in postgraduate programs during the 2024–2025 academic year is 279 students. This includes: • 159 students in the Diploma program • 90 students in the Master's program • 30 students in the PhD program, of whom 16 enrolled in August 2024 and 14 enrolled in January 2025.
Training, capacity building (true)	International Students Enrolled in Postgraduate Programs	Number of International Students Enrolled in the Master's and PhD Programs for the Academic Year 2024–2025 The number of international students who enrolled in the Master's and PhD programs during the 2024–2025 academic year is three PhD students.
Training, capacity building (true)	Funded Research Projects	Implementation and Follow-up of Financial and Accounting Procedures for Funded Research Projects Implementation and monitoring of the financial and accounting procedures for five (5) research projects funded by the Science, Technology, and Innovation Funding Authority (STDF), with a total value of 11,210,511 EGP.
Training, capacity building (true)	Provision of Tablets for Students	A total of 160 tablets were provided for use by undergraduate and postgraduate students in the library. Numerous relevant software programs and applications were installed and made available for students to use.
Training, capacity building (true)	Hosting and Supporting Visiting PhD Students	Hosting and providing support to two PhD students from Constantine University in Algeria for a two week training program in the field of microbiology and food hygiene.
Training, capacity building (true)	Graduate Support Unit	1. A seminar in collaboration with IFT Company (International Free Trade Company) entitled "Marketing Systems", which was held on Tuesday, April 29, 2025. The seminar targeted and benefited fifth-year students of the faculty. 2. A seminar was organized in collaboration with the Cairo Directorate of Veterinary Medicine, and was held at the Directorate headquarters, entitled "Antimicrobial Resistance of Bacterial Pathogens: A Global Multifaceted One Health Challenge."
		The Green Office carried out the following activities: 1. A training course was organized in collaboration with the Training Department of the Ministry of Environment entitled "Environmental Economics", , and targeted faculty students. 2. A seminar was organized in collaboration with the Ministry of Environment entitled "Biodiversity", targeting faculty members,

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Training, capacity building (true)	Green Office Unit	students, and the surrounding community. 3. A seminar entitled "Water Footprint in Animal Production" was conducted as part of the Green Office activities. 4. A seminar entitled "Water Resources and Pollution Reduction for Sustainable Development" was conducted at the National Institute of Oceanography and Fisheries.
Training, capacity building (true)	Artificial Intelligence Unit	• A lecture entitled "Using Artificial Intelligence Applications in Scientific Research Writing". • A lecture entitled "The Use of Intelligent Robots in Animal Production" as part of cooperation between environmental institutions and universities to promote environmental sustainability. The lecture recommended the importance of keeping pace with modern developments in the various applications of robotics in the field of animal production.
Training, capacity building (true)	Training course	The Community Service and Environmental Development Committee performed a training course in collaboration with Boehringer entitled "Viral Diseases: Challenges, Update, and Solutions"
Training, capacity building (true)	Training course	A training course entitled "Major Health Problems Affecting Layers and Breeder Flocks in Egypt" organized by the Poultry Diseases Department in collaboration with the Biotechnology Research and Services Center and supported by IFT Company. The course was attended by veterinarians and colleagues interested in scientific research.
Training, capacity building (true)	Training course	A training course entitled "Some Immunosuppressive Factors Affecting the Productivity of Poultry Flocks in Egypt" , organized by the Poultry Diseases Department in collaboration with Zoetis Egypt. The course was attended by veterinarians and colleagues interested in scientific research.
Training, capacity building (true)	Workshops Organized in Collaboration with DAAD	A series of workshops was organized in cooperation with the German Academic Exchange Service (DAAD) covering various educational, research, and self-development fields. A total of three online workshops were held during 2025. In addition, an agreement was made to conduct four additional workshops during the second half of 2025. • AI in Higher Education • Strategic Planning as Core to Strategic Management Learning Through Projects
Training, capacity building (true)	Workshops	The Essential Requirements for International Publication, Reviewing & Bibliography.
Training, capacity building (true)	Workshops	The International Scientific Projects. Delivered by International Relations Unit, Cairo University
Training, capacity building (true)	Workshops	Demo on Vetlexicon Presented by Chief Executive Officer of the educational platform Vetstream and Vice President of the World Small Animal Veterinary Association (WSAVA).
Training, capacity building (true)	Experts from the Pharmacology Department	Memberships and National Committees • Member of the International Cooperation Committee at the Ministry of Higher Education. • Member of the Antimicrobial Resistance Research Council – Academy of Scientific Research and Technology, Ministry of Higher Education. • Technical expert at the Science, Technology and Innovation Funding Authority (STDF) – Prime Minister's Office. • Member of the Technical Office of the Academy of Scientific Research (Health & Medicine) – Ministry of Higher Education. • Member of the Veterinary Pesticides Registration Committee at the General Organization for Veterinary Services – Ministry of Agriculture. • Member of the Scientific Committee for the Registration of Veterinary Drugs and Preparations, Feed Additives and Supplements at the Egyptian Drug Authority, affiliated with the Prime Minister's Office.

Training, capacity building (true)	Experts from the Poultry Diseases Department	National Committees and Professional Memberships • Member of the Scientific Committee for Animal Health Research, affiliated with the Agricultural Research Center – Ministry of Agriculture and Land Reclamation. • Member of the Biological Committee at the General Organization for Veterinary Services – Ministry of Agriculture. • Member of the Scientific Committee at the General Organization for Veterinary Services – Ministry of Agriculture. • Member of the Higher Advisory Committee for Poultry Diseases at the Ministry of Agriculture. • Chair of the Scientific Committee of the Egyptian Poultry Producers Union. • Member of the Egyptian Poultry Producers Union. • Member of the Research Ethics Committee, National Center for Radiation Research and Technology (REC NCRRT), Egyptian Atomic Energy Authority.
Training, capacity building (true)	Experts from the Surgery Department	Committees and Professional Roles • Chair of the Higher Committee for the Veterinary Profession Licensing Examination in Egypt. • Reviewer for scientific research projects at the Academy of Scientific Research and Technology. • Member of the Veterinary Surgery Advisory Committee at the Arab Horses Station – Al Zahraa. • Consultant at the Training Center, Kasr Al Ainy Faculty of Medicine.
Training, capacity building (true)	Experts from the Pathology Department	Ethics Committees and Scientific Review Roles • Member of the Research Ethics Committees at: o Faculty of Pharmacy, Cairo University o Faculty of Pharmacy, Misr University for Science and Technology (MUST) o Faculty of Pharmacy, Helwan University o Faculty of Dentistry, MSA University • Reviewer of grant proposals for the Academy of Scientific Research and Technology.
Training, capacity building (true)	Experts from the Zoonoses Department	Member of the Higher Committee for Zoonotic Diseases at the General Organization for Veterinary Services.
Training, capacity building (true)	Experts from the Food Hygiene Department	• Member of the Agricultural Research Center Committee for the Use of Laboratory Animals in Education and Scientific Research • Member of the Egyptian Health Council (Guideline Committees) • Member of the Halal Certification Committee at the General Organization for Veterinary Services • Member of the Higher Committee for the Importation of Drugs and Veterinary Preparations at the General Organization for Veterinary Services • Member of the Higher Committee for Licensing the Practice of the Veterinary Profession at the Egyptian Health Council
Training, capacity building (true)	Training Expert participation	An expert from the Department of Virology, Faculty of Vet. Med., Cairo Univ. contributes to developing and teaching courses in cooperation with the RNE VLC of the Food and Agriculture Organization of the United Nations.
Zoonoses (true)	Member of the Supreme Committee for Zoonotic Diseases of the General Authority for Veterinary Services.	The Supreme Committee for Zoonotic Diseases within the General Authority for Veterinary Services is tasked with surveillance and monitoring of zoonotic diseases, conducting research, developing policies, and coordinating efforts with various organizations. It also provides education and training, implements control programs, responds to outbreaks, and ensures compliance with relevant regulations. These activities aim to manage and mitigate the risks posed by diseases that can be transmitted between animals and humans, safeguarding public and animal health.
Zoonoses (true)	One Health partnership project, antimicrobial resistance identification	Collaboration between the Faculty of Veterinary Medicine, Cairo University, and MSD within the One Health project by collecting samples from all farms and making the analysis and reporting the results of antimicrobial resistance across all Egypt governorates starting with the poultry sector then the ruminant sector and finally companion animal sector and share the research findings through the faculty channels with all interested parties.
		The activity aimed to celebrate One Health Scientific Day through a lecture on Antimicrobial Resistance (AMR), emphasizing the role of veterinary medicine within the One

Zoonoses (true)	Celebration of One Health Scientific Day and Delivery of a Lecture on Antimicrobial Resistance (AMR)	Health framework. The lecture discussed the impact of antimicrobial misuse in animals on human and environmental health, highlighted the risks of increasing antimicrobial resistance, and stressed the importance of responsible antimicrobial use and integrated One Health strategies to control AMR.
Wildlife (true)	Participation in the Giza Zoo's Examination and Development Committee.	Participation in the Giza Zoo's Examination and Development Committee involves collaborating to assess and improve various aspects of the zoo, including animal care. Members contribute to enhancing animal welfare, conservation practices, educational programs, and public engagement initiatives. They review and propose improvements to habitats, enrichment programs, veterinary care, safety protocols, breeding programs, and outreach efforts to promote wildlife conservation and environmental sustainability.
Wildlife (true)	Wild animal taxonomy.	Elective course for second-level students.
Wildlife (true)	Anesthesia of wild animals.	Elective course for Fourth-level students.
Wildlife (true)	Anesthesia of pet birds, rodents, and reptiles.	Elective course for Fourth-level students.
Wildlife (true)	Medicine and surgery of wild animals.	Elective course for Fifth-level students.
Wildlife (true)	Medicine and surgery of pet birds, rodents, and reptiles.	Elective course for Fourth-level students.
Wildlife (true)	Clinical studies on Blood and Rumen Constituents in Aoudad (<i>Ammotragus lervia</i>) in Giza Zoo	Master thesis on Clinical studies on Blood and Rumen Constituents in Aoudad (<i>Ammotragus lervia</i>) in Giza Zoo
Wildlife (true)	Expert participation	An expert from the Department of Veterinary Hygiene, Faculty of Vet. Med., Cairo Univ. is the General Rapporteur of the Arab Union for the Protection of Wildlife and Marine Life - Universities Committee, Egypt
Avian diseases (true)	The Poultry Diseases Clinic services.	It provides diagnosis and treatment services for birds and rabbits, awareness of breeders and owners with the vaccination schedule and protocols, and consultations with bird farms. About 266 cases were received in 2025.
Avian diseases (true)	Training course	The Poultry Diseases Hospital, in collaboration with the Biotechnology Research and Services Center, organized a specialized training course entitled "Major Health Problems Affecting Layers and Breeder Flocks".
Avian diseases (true)	Training course	The Poultry Diseases Department, in collaboration with Zoetis Egypt, organized a training course entitled "Some Immunosuppressive Factors Affecting the Productivity of Poultry Flocks in Egypt."
Avian diseases (true)	Implementation of portable sequencing technology for rapid identification of respiratory viruses in poultry.	A twinning project with Alexander Foreign von Humboldt Foundation - Germany.

Avian diseases (true)	Research project	Preparation, characterization, and evaluation of different types of nanoparticles for the delivery of nucleic acid vaccine against Newcastle disease virus in chickens. Funded by the Science, Technology, and Innovation Funding Authority (STDF).
Avian diseases (true)	Expert participation	An expert from the Department of Poultry Diseases, Faculty of Vet. Med., Cairo Univ. is a Member of the Higher Advisory Committee for Poultry Diseases at the Ministry of Agriculture, Egypt
Aquatic animal diseases (true)	Research project	Contribution of green nanoparticles in the diagnosis, treatment, and prevention of various parasitic fish diseases that pose a risk to human health. Funded by the Science, Technology, and Innovation Funding Authority (STDF).
Aquatic animal diseases (true)	Research project	Development of integrated biosecurity systems for optimal management of Egyptian marine hatcheries. Funded by the Science, Technology, and Innovation Funding Authority (STDF).
Aquatic animal diseases (true)	Book chapter	Hamza, D., Ismael, E., & Zaher, H. Cellular and Genetic. Zebrafish as a Model for Parkinson's Disease, p. 65. CRC Press.
Aquatic animal diseases (true)	Participation by expert and scientific research in the environmental restoration project for Lake Qarun in Fayoum	The Faculty of Veterinary Medicine at Cairo University conducted a research project to test and monitor the water quality and fish infestation rates in Lake Qarun, then presented an environmental remediation plan to combat the parasitic invasion and constructed a restoration protocol for fish breeding that maintains the environmental balance of Lake Qarun regarding the water quality of the water body and restoring fish population and environmental activities.
Animal welfare (true)	Book chapter	Shokry, Mohamed. Manual of Pet Animal Basic Surgery. Lambert Publications, Germany.
Animal welfare (true)	The Institutional Animal Care & Use Committee (IACUC).	It is designed to ensure that the highest animal welfare standards are maintained along with the conduct of accurate and valid scientific research, this is achieved through the careful review of each project proposed to include the use of animals at the Faculty of Veterinary Medicine and Cairo University.
Animal welfare (true)	Animal use in the Scientific area.	Elective course for Fourth-level students.
Animal welfare (true)	The hotel housing unit	The hotel housing unit provides housing for small domestic animals that can be used by researchers to house cases related to their scientific theses and research.
Animal welfare (true)	Expert participation	Three experts from the Departments of Poultry Diseases, Food Hygiene, and Surgery, Faculty of Vet. Med., Cairo Univ. are Members of Cairo University Committee on Ethics of Animal Care and Use in Scientific Research "Veterinary and Agricultural Sciences Sector" CU IACUC, Egypt
Animal welfare (true)	Expert participation	An expert from the Department of Pathology, Faculty of Vet. Med., Cairo Univ. is a Member of the Scientific Research Ethics Committees in Faculties of Pharmacy in Cairo university, Future University, and Heliopolis University, as well as the Faculty of Dentistry, MSA University, Egypt
Animal welfare (true)	Expert participation	An expert from the Department of Food Hygiene, Faculty of Vet. Med., Cairo Univ. is a Member of the Agricultural Research Center Committee for the Use of Experimental Animals in Education and Scientific Research, Egypt

Animal welfare (true)	Expert participation	An expert from the Department of Veterinary Hygiene, Faculty of Vet. Med., Cairo Univ. is an Advisor in the U-Research for Laboratory Animals, EG-LAS, Egypt
Diagnosis, biotechnology and laboratory (true)	Biotechnology Research and Services Centre	The center provides scientific and applied services in modern biotechnology for diagnosing animal and poultry diseases, evaluating biological products and vaccines, and conducting embryo transfer. It collaborates on local and international research projects and serves as a data hub for studies in these fields. Achievements in 2025: 1. Renovated infrastructure, including electrical, plumbing, carpentry, and furnishing upgrades, with the center reopened by the University's Vice President for Community Service and Environmental Development. 2. Activated a DNA extraction kits production unit in collaboration with faculty experts. 3. Initiated the production and marketing of bacteriological media across universities and research institutions. 4. Repaired and operationalized PCR and electrophoresis equipment, making them available for researchers under the center's supervision for a fee. 5. Seven training courses were conducted at the center, including: Modern Technologies for Laboratory Diagnosis – Poultry Diseases as a Model; Laboratory Diagnosis of Poultry Diseases; Diagnostic Technologies for Oral and Dental Diseases in Horses; Diagnostic Technologies for Limb and Hoof Disorders in Horses; Major Problems Affecting Layer and Breeder Flocks in Egypt; Diagnosis of Limb and Hoof Diseases in Horses Using Ultrasonography; and Genetic Characteristics of Infectious Bronchitis Virus and Immune Evasion.
Diagnosis, biotechnology and laboratory (true)	Centre for Veterinary Clinical Analysis and Applied Researches	The center enhances its service, research, and educational role by utilizing advanced technologies for sample analysis, providing applied veterinary studies, and offering training, workshops, and consultations to support livestock stakeholders in Egypt. The center enhances its service, research, and educational role by utilizing advanced technologies for sample analysis, providing applied veterinary studies, and offering training, workshops, and consultations to support livestock stakeholders in Egypt. 2025 Highlights: • The center analyzed a total of 350 cases, including various animal and poultry cases, with the participation of several specialized departments, namely Clinical Pathology, Pathology, Nutrition, Parasitology, Microbiology, Virology, Public Health, Chemistry, and Pharmacology. • The centre conducted 208920 laboratory analyses across various fields, including blood tests, virology, feed and water analysis, microbiology, and pathology. • Delivered advanced training courses for professionals in animal, poultry, and fish production. • A course on Diagnostic Bacteriology for a Syrian trainee. • A course on Orthopedic Surgery and Ultrasound for a Saudi trainee.
Diagnosis, biotechnology and laboratory (true)	Digital Pathology Lab	The lab serves as an educational hub, offering comprehensive training and resources to medical students, residents, and pathologists via innovative digital platforms. Its goal is to enhance learners' comprehension of pathological lesions and diagnostic skills through interactive modules, virtual case studies, and collaborative forums. Utilizing digital pathology technologies and artificial intelligence algorithms, the lab is committed to providing precise and timely pathological diagnoses, streamlining the diagnostic process, and ultimately benefiting patients by ensuring faster and more accurate treatment strategies. https://662b895f3f285.site123.me/
Diagnosis, biotechnology and laboratory (true)	Accreditation of the Molecular Diagnosis Unit (ISO/IEC 17025:2017)	The Molecular Diagnosis Unit, Department of Clinical Pathology, Faculty of Veterinary Medicine, has been accredited by the National Accreditation Council (EGAC) in accordance with ISO/IEC 17025:2017 for four years. This achievement reflects the Faculty's commitment to quality in molecular diagnostics and research, supports applied research linked to community needs, and enhances services related to animal health, food safety, and public health.
		Project titled; Suitcase laboratory for rapid and sensitive detection of SARS-CoV-2 in point-of-care settings. Funding Agency: STDF (Special Targeted Call Grants - Second COVID-19 Pandemic Emergency Call) The main deliverable of the project

Diagnosis, biotechnology and laboratory (true)	Suitcase laboratory for rapid and sensitive detection of SARS-CoV-2 in point-of-care setting	is the development and optimization of a portable system for on-site screening of SARS-CoV-2 in clinical samples. This system depends on RT-RPA assay, which allows molecular diagnosis of SARS-CoV-2 in a very short time (15-20 minutes). The assay was developed to fit with sequences of the circulating virus strains in Egypt. Sample collection and nucleic acid extraction were optimized to be performed in the same reaction tube. A mobile suitcase laboratory containing all the reagents and equipment required for the detection of SARS-CoV-2 was assembled and composed of two units: a glovebox and a suitcase. The use of such mobile units in point-of-care settings will increase the diagnostic capabilities of the national teams working in hospitals and healthcare centres and improve the outcomes of surveillance and early warning programs.
Diagnosis, biotechnology and laboratory (true)	Expert participation	An expert from the Department of Virology, Faculty of Vet. Med., Cairo Univ. provides scientific consultations and follow-up on implementing high-biosecurity diagnostic laboratories (Levels 2, 3, and 3 Enhanced).
Diagnosis, biotechnology and laboratory (true)	Expert participation	An expert from the Department of Veterinary Hygiene, Faculty of Vet. Med., Cairo Univ. the Consultant and Director of Quality Control and Veterinary Diagnostic Laboratory at SPF, Agricultural Research Center, Ministry of Agriculture, Egypt
Veterinary medicinal products (true)	Research project	Stimulation of healing of ischemic intestinal anastomosis: An experimental study in dogs. Funded by the Science, Technology, and Innovation Funding Authority (STDF).
Veterinary medicinal products (true)	Book publishing	An expert from the Department of Pathology, Faculty of Vet. Med., Cairo Univ. shared with a chapter "Classification of Phytochemicals in Plants with Herbal Value" in the book "Herbal Medicine Phytochemistry"
Veterinary medicinal products (true)	Book chapter	Pharmacology of Tropane Alkaloids. (Chapter 5).
Veterinary medicinal products (true)	Book chapter	Tropane Alkaloids: Biosimilar and Biopharmaceutic. In Tropane Alkaloids (Chapter 8). Springer Nature, 2025.
Veterinary medicinal products (true)	Book chapter	Drug Interaction in Veterinary Medicine. Registration No.: 11779/2002, Cairo, Egypt.
Veterinary medicinal products (true)	Effect of horsetail (Equisetum Arvense) leaves extract on cystitis and struvite calculi involved in feline lower urinary tract disease.	Joint Research: Exploring the Therapeutic Potential of Horsetail (Equisetum Arvense) Leaf Extract in Managing Cystitis and Struvite Calculi Associated with Feline Lower Urinary Tract Disease, Conducted in Collaboration between Pharmaceutical Company "Medicine Company for Pet Health " and the Faculty of Veterinary Medicine.
Veterinary medicinal products (true)	Expert participation	An expert from the Department of Pharmacology, Faculty of Vet. Med., Cairo Univ. is a member of the Medication Research Council - Academy of Scientific Research - Ministry of Higher Education, and a member of the Technical Office of the Academy of Scientific Research (Health and Medications) Ministry of Higher Education, Egypt
Veterinary medicinal products (true)	Expert participation	An expert from the Department of Pharmacology, Faculty of Vet. Med., Cairo Univ. is a Member of the Veterinary Pesticides Registration Committee at the General Authority for Veterinary Services - Ministry of Agriculture, Egypt
Veterinary medicinal products (true)	Expert participation	An expert from the Department of Internal Medicine, Faculty of Vet. Med., Cairo Univ. is a Consultant at the Egyptian Drug Authority, Egypt

Veterinary medicinal products (true)	Expert participation	An expert from the Department of Surgery, Faculty of Vet. Med., Cairo Univ. is a Member of the Veterinary Biological Preparations Evaluation Committee of the General Authority for Veterinary Services, Egypt
Vaccines] (true)	Providing consultations related to the development of vaccine production	Providing consultations related to the development of vaccine production lines at the industrial level, managing technical operations in biological material factories, and developing inactivated vaccines against economically important avian viruses for Egyptian private sector companies. • Contributing to writing and responding to the technical evaluation of the university project to establish central virus laboratories and an experimental vaccine production unit in the Arab Republic of Egypt, in collaboration with the Chemical Warfare Department of the Armed Forces and other sovereign entities. • Providing scientific consultations and monitoring the implementation of high biosafety diagnostic laboratories (Level 2, Level 3, and enhanced Level 3) for certain military entities. • Consultant for the development and production of vaccines at Eva Pharma's Animal Health Division.
Vaccines] (true)	Implementation Preparation and experimental evaluation of an rDNA-based equine H3N8 influenza virus vaccine	Project entitled; Implementation Preparation and Experimental Evaluation of an rDNA-based equine H3N8 influenza virus vaccine Expected Outcomes and deliverables: -A novel EIV vaccine candidate will be unveiled. -One article will be published internationally. -One patent for the developed vaccine will be filled. The vaccine once verified efficacious, can be used in equids to attack the relevant problems in the field of H3N8 EIV control. It has a great potential of being produced and marketed at least in the Egyptian market. It will be produced (preferably by contract). Likewise, this applies to the possible alternative of licensing intellectual property to a third-party manufacturer.
Vaccines] (true)	Expert participation	An expert from the Department of Internal Medicine, Faculty of Vet. Med., Cairo Univ. is an Equine medicine consultant at Egyptian company for production of vaccines (VACSERA), Egypt
Vaccines] (true)	Expert participation	An expert from the Department of Virology, Faculty of Vet. Med., Cairo Univ. provides consultations on developing vaccine production lines at the industrial level, managing technical operations in biological materials factories, and developing inactivated vaccines against economically important avian viruses, for Egyptian private sector companies.
Food security (true)	Animal and Poultry Research Centre.	The center has focused on addressing challenges in animal and poultry nutrition and care in Egypt, offering tailored solutions, training specialists, and collaborating with global research institutions. Key Contributions: 1. Research Support: Facilities provided for doctoral and master's research in animal health, nutrition, and clinical nutrition. 2. Experimental Studies: Allocated experimental rooms and resources for studies on broiler fattening and chick nutrition. 3. Capacity Building: Contributed to developing expertise and advancing practical applications in animal and poultry care.
Food security (true)	Sustainability requirements in the production of farm animals, poultry, and fish.	The seminar discussed the seventeen sustainability goals of the United Nations and how to apply them in animal husbandry, poultry, and fish farm systems, the importance of applying recycling systems within farm systems to preserve the environment, and how to reduce carbon emissions on the farm to limit climate change.
		The Regional Centre for Food Safety and Quality "Robert von Ostertag Laboratories" continued to play a vital role in supporting food safety and public health through advanced laboratory services, capacity building, scientific cooperation, and community engagement. In 2025, the Centre strengthened its technical capabilities, expanded training and outreach activities, and enhanced national and international collaboration to ensure the safety and quality of foods of animal origin in accordance with recognized standards. • Conducted comprehensive physical, chemical, and microbiological analyses of foods of animal origin, including fresh and frozen

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Feed safety (true)	Regional Centre for Food Safety and Quality.	meats and their products, milk and dairy products, oils, fats, and eggs, using advanced scientific technologies to ensure compliance with standard specifications and suitability for human consumption. • Strengthened the Centre's role as a specialized unit established through continuous cooperation between the College and the Federal Institute of Health in the Federal Republic of Germany. • Organized specialized training courses (seven courses) aimed at developing professional skills and updating technical knowledge in food safety control and quality assurance. • Delivered capacity-building training programs for non-specialists to enhance public health awareness, self-care practices, and environmental protection from food-related contamination. • Expanded national and international cooperation through agreements with scientific institutions, facilitating the exchange of expertise, professional visits, and joint programs. • Promoted community engagement by organizing and participating in seminars and conferences at local and international levels to raise awareness among professionals and the wider community on food safety and public health issues.
Feed safety (true)	A cooperation protocol with the Chinese company "New Hope Broiler Starter Feed"	A protocol has been established with the Chinese company "New Hope Broiler Starter Feed", which operates in Egypt in the field of animal feed and poultry. The protocol aims to employ 40 graduates annually in the field of animal feed and poultry.

TOR 3: HARMONISATION OF STANDARDS

2. Proposal or development of any procedure that will facilitate harmonisation of international regulations applicable to the main focus area for which you were designated

Proposal title	Scope/Content	Applicable Area
Draft laws regarding the handling of aggressive dogs and animals dangerous to human health.	Participating in the advisory committee for the development of the strategy to eradicate rabies in Egypt by 2030 is a highly significant responsibility. This includes drafting legislation on the management of aggressive dogs and animals that pose a risk to human health, which will be handled by the General Authority for Veterinary Services. This initiative is a critical component of the One Health approach, which fosters the integration of human, animal, and environmental health to promote sustainable solutions. The collaborative efforts involve key stakeholders, including representatives from WHO, FAO, WOA, as well as experts from civil society, research institutions, veterinary directorates, and the General Authority for Veterinary Services.	Wildlife Health and Biodiversity
Preparation of the file for officially declaring Egypt as recognized as free from African horse sickness (AHS) by the World Organisation for Animal Health (WOAH)	Participating in a committee at the General Authority for Veterinary Services to provide information to support the application for official recognition of status as a country free from infection with the African horse sickness (AHS) virus following Chapter 12.1. of the Terrestrial Code. The dossier provided to WOA, addressed concisely all the topics required to describe the actual situation in Egypt and the procedures currently applied, explaining how these comply with the Terrestrial Code.	Health Management

3. In exercising your activities, have you identified any regulatory research needs* relevant for WOA?

Yes

Research need 1

Please type the Research need: Antimicrobial Resistance (AMR): Research is needed to establish standardized monitoring and regulatory frameworks for antimicrobial use in animals, as AMR is a growing global concern affecting both animal and public health.

Relevance for WOA Standard Setting,

Relevance for the Code or Manual Code,

Field Epidemiology and Surveillance,

Animal Category Terrestrial, Aquatic,

Disease:

Kind of disease (Zoonosis, Transboundary diseases)

If any, please specify relevance for Codes or Manual, chapter and title

(e.g. Terrestrial Manual Chapter 2.3.5 - Minimum requirements for aseptic production in vaccine manufacture)

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Answer:

Notes:

Answer:

4. Did your Collaborating Centre maintain a network with other WOAHA Collaborating Centres (CC), Reference Laboratories (RL), or organisations designated for the same specialty, to coordinate scientific and technical studies?

Yes

Name of WOAHA CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
London University and Glasgow University	United Kingdom	América	Organizing a workshop titled: "The Role of Veterinary Faculties in the Optimal Use of Antibiotics",
Food and Agriculture Organization of the United Nations (FAO)	Italy	Europa	(Letter of Intent)
Harbin Veterinary Research Institute	People's Republic of China	Asia y el Pacífico	(Memorandum of Understanding)
FAI Farms Limited	United Kingdom	América	(Cooperation Agreement)
Fort Valley State University (FVSU)	Georgia, USA	América	Visit of Master's Students from Fort Valley State University – USA A delegation from Fort Valley State University, Georgia, USA was hosted for training and cultural exchange. The visiting delegation consisted of 6 Master's students, 5 professors, and one administrative officer. At the beginning of the visit, the delegation toured the faculty's Eastern and Western campuses, in addition to the hospital, clinics, library, and all specialized laboratories. During the visit, students received hands on clinical training at the educational hospital, where they spent two full days in clinics covering surgery, internal medicine, reproduction, and emerging diseases. The visit also included three specialized lectures delivered by faculty members, in addition to presentations on the veterinary medicine programs offered at Fort Valley State University.
University of California - Davis	California - Davis	América	US Cooperation Grant: Collaborative Research/ International Cooperation Grants. Project Title: Reducing Antimicrobial Drug Resistance

			Using a Novel Machine Learning Algorithm for Selective Dry-Cow Treatment in Dairy Cows.
Faculty of Veterinary Medicine, University of Leipzig	Leipzig	Europa	Project entitled, Implementation of Portable Sequencing Technology for Rapid Identification of Respiratory Viruses in Poultry. This project, funded by the Alexander von Humboldt Foundation, aimed to enhance the diagnostic capabilities of Egyptian laboratories by introducing Oxford Nanopore Technology (ONT) for rapid and sensitive identification of poultry respiratory viruses. This project has significantly advanced the ability of Egyptian laboratories to rapidly and accurately diagnose poultry respiratory diseases. This will enable early detection and control of outbreaks, leading to improved poultry health and economic benefits for the poultry industry.
College of Veterinary Medicine – Seoul University – South Korea (Memorandum of Understanding)	College of Veterinary Medicine, Seoul National University, South Korea.	Asia y el Pacífico	The collaboration was in areas of mutual interest through the following activities: 1. Facilitating student and faculty participation in the educational programs offered by either party. 2. Conducting joint research projects. 3. Organizing seminars, workshops, conferences, and symposia collaboratively. 4. Exchanging academic information and materials. Agreement Duration: The memorandum is valid for four years from the date of the last signature (February 16, 2024).
College of Veterinary Medicine – Tuskegee University – United States of America (Memorandum of Understanding)	Tuskegee University, College of Veterinary Medicine, United States of America	América	The purpose of the agreement is to enhance international development and scientific and educational cooperation between the two institutions through the following activities: 1. Exchange of faculty and graduate students, including short- to medium-term teaching and research visits. 2. Jointly organized seminars, conferences, and workshops. 3. Collaborative scientific efforts through research projects, joint research, exchange of scientific and technical materials, and joint development of teaching programs, curricula, and other educational resources.
			Collaboration through the

<p>Harbin Institute for Veterinary Research – People's Republic of China (Cooperation Agreement, pending approval for veterinary research)</p>	<p>Harbin Veterinary Research Institute, Chinese Academy of Agricultural Sciences, China</p>	<p>Asia y el Pacífico</p>	<p>following activities: 1. Joint organization of seminars, workshops, conferences, and symposia. 2. Participation in the development and implementation of joint academic programs. 3. Execution of collaborative research projects. Agreement Duration: The memorandum is valid for five years from the date of the last signature (November 5, 2024).</p>
<p>College of Veterinary Medicine University of Basra Republic of Iraq (Cooperation Agreement)</p>	<p>College of Veterinary Medicine, University of Basra, Iraq.</p>	<p>Oriente Medio</p>	<p>This agreement aims to foster collaboration between the two institutions across various academic and research domains. Key areas of cooperation include the exchange of faculty, staff, and students for research and teaching purposes, joint research projects, and co-supervision of graduate theses. The agreement also encourages participation in joint conferences and workshops, the exchange of educational and research materials, and efforts to secure funding for collaborative initiatives. These activities are designed to enhance scientific and cultural exchange and advance the educational and research objectives of both institutions.</p>

TOR 4 AND 5: NETWORKING AND COLLABORATION

5. Did your Collaborating Centre maintain a network with other WOAHA Collaborating Centres, Reference laboratories, or organisations in other disciplines, to coordinate scientific and technical studies?

Yes

Name of WOAHA CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
<p>Central Laboratory for Evaluation of Veterinary Biologics (CLEVB) collaborating center for Quality Control of Veterinary Vaccines in the Middle East.</p>	<p>Egypt</p>	<p>Africa</p>	<p>The College of Veterinary Medicine at Cairo University, recognizing its vital role in education, scientific research, and community service, strives to advance both academically and practically. Its goal is to produce highly skilled veterinarians across various specialties, trained in the principles of knowledge and research methodologies while enhancing quality assurance and accreditation standards. To further this mission, the college aims to establish a partnership with the Central Laboratory for Evaluation of Veterinary Biologics (CLEVB) collaborating center. This collaboration seeks to align</p>

			practical efforts and implement joint scientific initiatives, distinguished training programs, specialized international conferences, and co-supervision of scientific theses. Additionally, the college aims to strengthen its role as an accredited center for Day-One Competencies through further collaboration with other WHO-affiliated centers and reference laboratories.
Global Classroom Initiative: MIEH 407 & 607 One Health: Global Food Safety and Security	Americas Middle East	Americas Middle East	This course is a collaboration between the University of Maryland and Cairo University in Egypt to improve global food safety and security. This global (undergraduate and graduate) class will educate participants on one health foundation and how it can improve global food safety and security. Students will apply One Health principles to food safety and security.
Food and Agriculture Organization (FAO) – United Nations (Letter of Intent)	Food and Agriculture Organization (FAO) of the United Nations.	Middle East	The purpose is to support the objectives of Day-One Veterinary Competencies, particularly related to the capacity to combat animal diseases and zoonoses in the Near East region. This will be achieved through the provision of accredited training for undergraduate and graduate students at the Faculty of Veterinary Medicine, Cairo University, and other collaborating veterinary educational institutions in the region.

TOR 6: EXPERT CONSULTANTS

6. Did your Collaborating Centre place expert consultants at the disposal of WOA?H?

No

TOR 7: SCIENTIFIC AND TECHNICAL TRAINING

7. Did your Collaborating Centre provide advice/services to requests from Members in your main focus area?

Yes

Yes. The Collaborating Centre provided advice and services in response to requests from WOA?H Members in its main focus area.

The following activities were undertaken, and the beneficiaries are indicated for each:

1. Nomination of Experts for Reviewing International Standards on Equine Encephalitis

The Collaborating Centre supported the nomination of professors to participate in the review of international standards related to equine encephalitis, in coordination with the General Organization for Veterinary Services. This activity responded to a request from the WOA?H Regional Commission for the Middle East and contributed to the review of relevant chapters of the WOA?H Terrestrial Animal Health Code.

****Beneficiaries:**** WOA?H Members, the General Organization for Veterinary Services, and Veterinary Services in the Middle East region.

2. Participation in the Peer Review of the One Health Competency Package (CP11)

Experts from the Collaborating Centre participated in the peer review of the Terms of Reference for the One Health Competency Package (CP11) under the WOA?H Competency-Based Training Framework (CBTF), which aims to strengthen the competencies of Veterinary and Aquatic Animal Health Services in line with WOA?H standards.

****Beneficiaries:**** WOA?H Members, Veterinary Services, and Aquatic Animal Health Services.

3. Review and Update of WOAHA References for Sheep and Goat Pox

Upon invitation from the World Organisation for Animal Health, the Collaborating Centre contributed to the review and updating of references in the Terrestrial Animal Health Code and the Terrestrial Manual related to sheep and goat pox.

****Beneficiaries:**** WOAHA Members, national Veterinary Services, and laboratories involved in disease control and diagnosis.

8. Did your Collaborating Centre provide scientific and technical training, within the remit of the mandate given by WOAHA, to personnel from WOAHA Members?

No

TOR 8: SCIENTIFIC MEETINGS

9. Did your Collaborating Centre organise or participate in the organisation of scientific meetings related to your main focus area on behalf of WOAHA?

Yes

National/International	Title of event	Co-organiser	Date	Location	No. Participants
Internationally	Ninth International Conference of the Egyptian Society of Virology	The Egyptian Society of Virology (ESV)	2025-10-21	Egypt	100
Internationally	Scientific Competition for Selecting the Best Veterinarian in Upper Egypt and Giza in Collaboration with NewHope Company	NewHope Company	2025-10-20	Egypt	20
Nationally	Localization of Vaccine Manufacturing in Egypt: A Strategic One Health Approach to Combat Antimicrobial-Resistant Bacteria	Faculty of Veterinary Medicine, Cairo University Department of Microbiology, Faculty of Veterinary Medicine, Cairo University In Collaboration With: - World Health Organization (WHO) - Food and Agriculture Organization of the United Nations (FAO) - Ministry of Health and Population, Egypt - VACSERA / Vaccine and Biotechnology City (MEVAC)	2025-08-30	Egypt	200

TOR 9: DATA AND INFORMATION DISSEMINATION

10. Publication and dissemination of any information within the remit of the mandate given by WOAHA that may be useful to Members of WOAHA

a) Articles published in peer-reviewed journals:

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Reference List 2025

1. Abbas, M. S., El Gohari, S. T., AbdElKader, N. A., Doweidar, M. M. M., & Saleh, S. A. A. (2025). Anti-osteoporotic influence of biscuits fortified with single and combined mixtures of sesame, peanut, and sprouted sunflower seeds on DEX-induced osteoporosis rats. *Egyptian Journal of Chemistry*, 68(10), 99-116.
2. Abbass, L., Yousif, N., Sadeek, S., Zordok, W., el-Attar, M., Farargy, A. F., & Mouneir, S. M. (2025). Structural Characterization, XRD, DFT Calculations, Docking, Antimicrobial, Anticancer Applications, and Electrochemical Performance Studies of Some New Schiff Base Transition Metal Complexes. *Applied Organometallic Chemistry*, 39(4).
3. Abd El Megeed, O. H. A., Mabrouk, M. M., Gewida, A. G. A., Eissa, M. E. H., Yasin, N. A. E., Gado, W. S., . . . Ali, G. E. (2025). The mitigative effect of selenium nanoparticles against aluminium nanoparticle toxicity in Nile Tilapia (*Oreochromis niloticus*): growth performance, antioxidant status, gene expression, and histopathological changes. *Aquaculture International*, 33(6).
4. Abd El-Aziz, M. Y., Elgohary, D. H., Abo El Amain, Y. A., & Hassan, E. A. (2025). Ex vivo mechanical testing of double strand, braided and knitted polyethylene suture for acute transverse section of the Achilles tendon in a dog model. *Journal of Orthopaedic Surgery and Research*, 20(1).
5. Abd El-Ghany, W. A. (2025). The Different Influences of a Phytobiotic, Green Tea (*Camellia sinensis* L.) on the Poultry Health and Production. *Journal of Applied Veterinary Sciences*, 10(1), 32-45.
6. Abd El-Ghany, W. A. (2025). The effects of black soldier fly (*Hermetia illucens* L.) on the sustainable poultry nutrition production systems. *Journal of Advanced Veterinary Research*, 15(1), 153-158.
7. Abd El-Ghany, W. A. (2025). The impact of using bee pollen in poultry systems: Apiculture. *Veterinarska Stanica*, 56(5), 671-680.
8. Abd El-Ghany, W. A. (2025). The impacts of using rosemary (*Rosmarinus officinalis* Linn.) on oxidative stress, performance, serum biochemistry, microbial community, and immunity of poultry. *CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources*, 20(1).
9. Abd El-Ghany, W. A. (2025). In Ovo Vaccination Technology: An Alternative Approach to Post-Hatch Vaccination in Modern Poultry Operations. *Microbiology Research*, 16(1).
10. Abd El-Ghany, W. A. (2025). Paratyphoid salmonellosis: A disease of significance in pigeons (*Columba livia*). *Journal of Advanced Veterinary Research*, 15(4), 524-528.
11. Abd El-Ghany, W. A. (2025). PARVOVIRUS INFECTION: A THREAT TO DOMESTIC WATERFOWL INDUSTRY. *Assiut Veterinary Medical Journal (Egypt)*, 71(187), 436-457.
12. Abd El-Ghany, W. A. (2025). Potential Bacterial Enteropathy Complex in Rabbits. *Slovenian Veterinary Research*, 62(1), 9-21.
13. Abd El-Ghany, W. A. (2025). TYPES AND APPLICATIONS OF INNOVATIVE ARTIFICIAL INTELLIGENCE IN POULTRY FARMS. *Online Journal of Animal and Feed Research*, 15(4), 237-245.
14. Abd El-Ghany, W. A. (2025). Yeasts and Their Derivatives as Functional Feed Additives in Poultry Nutrition. *Agriculture (Switzerland)*, 15(9).
15. Abdal Dayem, A., Prince, A., & Gabr, A. M. M. (2025). Chondrogenic Differentiation of Stem Cells for Cartilage Regeneration: Advances and Future Perspectives. *Tissue Engineering and Regenerative Medicine*.
16. Abdalla, M. I. Y., Eskander, M. Z., Abd, A. R. M., Mudawi, T. M. A., Yousif, S. I., & Ali, Z. I. (2025). EFFECT OF ADDITION CHICKPEAS AND MASH SEED'S LEGUMES POWDER ON THE REFRIGERATED STORAGE STABILITY AND QUALITY CHARACTERISTICS OF BEEF SAUSAGES. *Journal of Microbiology, Biotechnology and Food Sciences*, 14(6).
17. Abdallah, A. H., Ebrahim, N., Saeed, S., Abdallah, A. N., Elsharkawy, S. H., Abdelgalil, A. I., . . . Shamaa, A. A. (2025). Implementation of nanographene oxide combined with mineral trioxide aggregate and hydroxyapatite biopolymer in regeneration of critical-sized bone defect in rats. *Scientific Reports*, 15(1).
18. Abdallah, A. H., El-Ghoul, W. S., Abdallah, A. N., Elsharkawy, S. H., Saeed, S., Ebrahim, N., . . . Shamaa, A. A. (2025). Recent Advances in Composite Materials for the Treatment of Critical-Size Bone Defects: A narrative review. *Journal of Applied Veterinary Sciences*, 10(2), 110-127.
19. Abd-Allah, W. H., Abdel-Maksoud, M. S., Elbaset, M. A., Korany, R. M. S., Ibrahim, I. M., & Hassan, R. M. (2025). Design and synthesis of novel cyclohexanecarboxamides with anticonvulsant effect by activating Nrf2-ARE pathway. *Bioorganic Chemistry*, 159.
20. Abdel Baky, N. A. A., Fouad, L. M., Ahmed, K. A., & Alzokaky, A. A. (2025). Mechanistic insight into the hepatoprotective effect of Moringa oleifera Lam leaf extract and telmisartan against carbon tetrachloride-induced liver fibrosis: plausible roles of TGF-β1/SMAD3/SMAD7 and HDAC2/NF-κB/PPARγ pathways. *Drug and Chemical Toxicology*, 48(1), 84-97.

21. Abdel Hamid, M. A., Elboroloy, S. A., El Moshy, S., Ammar, H. R., Sivasankaran, S., Salem, W. S., & Hassan, E. A. (2025). Osteogenic potential of nanostructured Cu/W/Co in Fe-Mn alloys designed for maxillofacial applications: in vivo study in dog model. *Journal of Materials Science: Materials in Medicine*, 36(1).
22. Abdel Rahman, A. N., Farag, M. F. M., Khalil, A. A., Younis, E. M., Abdelwarith, A. A., Masoud, S. R., . . . Abd El Ghany, A. M. (2025). Retraction notice to "The anti-parasitic effect of *Melaleuca alternifolia* oil against gills monogeneans (*Dactylogyrus* spp) infestation of *Clarias gariepinus*: Hematology, immune response, and histopathological/immunohistochemical investigation of gills" [Aquaculture 584 (2024) 740639] (*Aquaculture* (2024) 584, (S0044848624001005), (10.1016/j.aquaculture.2024.740639)). *Aquaculture*, 595.
23. Abdel Rahman, A. N., Gharib, H. S. A., Ahmed, A. I., Zaglool, A. W., Khamis, T., Sobh, M. S., . . . Ibrahim, R. E. (2025). Dietary Egyptian mallow attenuates metiram-evoked neuro-ethological, endoplasmic reticulum stress genes, and biochemical/histopathological disruptions in *Oreochromis niloticus*. *Aquaculture*, 599.
24. Abdelaala, N., El-Shoura, E. A. M., Khalaf, M. M., Zaafar, D., A N Ahmed, A., Atwa, A. M., . . . Salem, E. A. (2025). Reno-protective impact of diosmin and perindopril in amikacin-induced nephrotoxicity rat model: modulation of SIRT1/p53/C-FOS, NF- κ B-p65, and keap-1/Nrf2/HO-1 signaling pathways. *Immunopharmacology and Immunotoxicology*, 47(3), 287-304.
25. Abdelaty, A. I., Mohammed, H. H., Gad, A. S., Said, E. N., Abdel-Hamid, S. E., Ahmed, F. A., & Gharib, H. S. A. (2025). The Influence of Light Color on Behavioral Patterns and Productive Traits in Quail. *Egyptian Journal of Veterinary Science*, 56(13), 629-638.
26. Abdelaziz, K., Sharma, S., Naguib, M., & Stamatikos, A. (2025). Epithelial-Macrophage Crosstalk in Host Responses to *Campylobacter jejuni* Infection in Humans. *Microorganisms*, 13(12).
27. Abdel-Baki, P. M., Mahdy, N. E., Ibrahim, R. M., El Badawy, S. A., Ali, S. E., Ibrahim, M. A., . . . Emam, S. R. (2025). Phytochemical analysis and neuroprotective potential of *Achillea santolina* L. fractions. *Scientific Reports*, 15(1).
28. Abdelbasset, K. M., Hafez, A., Abdel-Hady, A. N. A. A., Soliman, A. S., & Metwally, A. A. (2025). Comparative Experimental Study on Two Designed Intravenous Infusion Anaesthetic Combinations in Local Donkeys Breed. *Egyptian Journal of Veterinary Science*, 56(10), 2545-2553.
29. Abdelhafar, N. S., Hamed, R. I., El-Saied, E. M., Rashad, M. M., Yasin, N. A. E., & Noshay, P. A. (2025). Protective effects of zinc oxide nanoparticles against liver and kidney toxicity induced by oxymetholone, a steroid doping agent: Modulation of oxidative stress, inflammation, and gene expression in rats. *Toxicology and Applied Pharmacology*, 505.
30. Abd-Elhafeez, M. S., Amro, F. H., Fadel, M. A., Gaffer, M. H., Elkhawaga, E., Shukry, E., . . . Youssef, F. S. (2025). Green Chromatographic Method for the Determination of Synthetic Azo Dyes in Processed Beef and Chicken Meat Products. *Egyptian Journal of Veterinary Science*, 56(13), 683-693.
31. Abd-Elhafeez, M. S., Amro, F. H., Farhan, H. E., Mehanny, P. E., Mohamed, F. H., Elhaddad, G. Y., . . . Youssef, F. S. (2025). Efficacy of Astragalus Polysaccharide versus Enrofloxacin on *Campylobacter Jejuni* Colonization in Broiler Chickens. *Egyptian Journal of Veterinary Science*, 56(3), 543-557.
32. Abd-Elhafeez, M. S., Saleh, M., Mohammed, F. A. F., Khawaga, E. E., Shukry, E., Elsaid, G. A., . . . Youssef, F. S. (2025). Leverage of Curcumin Nanoliposome against Heat Stress in New Zealand Male Rabbits. *Egyptian Journal of Veterinary Science*, 56(13), 377-388.
33. Abd-Elhakim, Y. M., Hashem, M. M., Abo-El-Sooud, K., El-Metawally, A. E., & Hassan, B. A. (2025). Coenzyme Q10 Attenuates Kidney Injury Induced by Titanium Dioxide Nanoparticles and Cadmium Co-exposure in Rats. *Biological Trace Element Research*, 203(8), 4183-4197.
34. Abd-Elhakim, Y. M., Hashem, M. M., Abo-El-Sooud, K., Mousa, M. R., & Hassan, B. A. (2025). Gallic acid lessens kidney injury induced by inorganic arsenic and zinc oxide nanoparticles in rats via controlling electrolyte balance, oxidative stress, and Nrf-2 and HSP-90 expression. *BMC Pharmacology and Toxicology*, 26(1).
35. Abdelhaleem, S. W., Elsharkawy, S. H., Salem, S. I., & Bashandy, M. M. (2025). Evaluation of some cardiac biomarkers in cats with primary and secondary cardiomyopathies. *Veterinary Journal*, 314.
36. Abdelhalim, A., Yahia, N., El-Harrak, M., Rhazi, H., Soliman, A. H., Turkistan, A., . . . Khalil, A. A. (2025). Enhanced protection through genotype-matched bivalent H9N2-Newcastle disease virus vaccination: Comparative efficacy against contemporary field strains in specific-pathogen-free chickens. *Veterinary Microbiology*, 310.
37. Abdelhameed, M. F., Elbaset, M. A., Khattab, A. R., Taher, R. F., El-Saied, M. A., Abd Elkarim, A. S., . . . Abd-ElGawad, A. M. (2025). Hepatoprotective action of *Sonchus oleraceus* against paracetamol-induced toxicity via Nrf2/KEAP-1/HO-1 pathway in relation to its metabolite fingerprint and in silico studies. *PLOS ONE*, 20(6 JUNE).
38. Abdelhameed, M. F., Gad, M., El-Nashar, H. A. S., Taher, R. F., F. Abdel-Rahman, R. F., Abd Elkarim, A. S., . . . Elshamy, A. I. (2025). Flavonoid-rich *Deverra tortuosa* extract mitigates ethanol-induced gastritis via modulation of cytokine networks, oxidative pathways, and mucosal immunotoxicity. *Tissue and Cell*, 97.
39. Abdel-Hamid, N. H., Zaffan, M. R., Hamdy, M. E. R., Sabry, M. A., Abdel-Haleem, M. H., Elshiekh, A. Y. M., . . . Hashad, M. E. (2025). Antimicrobial Susceptibility Testing and Molecular Genotyping of *Bruceella melitensis* Isolates at the Human Animal Interface in Upper Egypt and Egyptian Boundaries. *Egyptian Journal of Veterinary Science*, 56(12), 3157-3167.
40. Abdel-Hamid, E., Kamel, S., & Saeed, H. E. (2025). Upregulation of heat stress and inflammatory genes expression, clinical and hemato- biochemical changes in cattle with heat intolerance syndrome following FMD infection in Egypt. *Veterinary Immunology and Immunopathology*, 288.
41. Abdelhiee, E. Y., Fadl, S. E., Ashry, A., Eid, M. M., Eltholoth, M. M., Abdelghany, N. A., . . . Aboubakr, M. (2025). Harnessing Nature: The Role of Medicinal Plants in Alleviating Cisplatin Toxicity. *Pakistan Veterinary Journal*, 45(1), 73-83.
42. Abdelkhalek, K. G., Aboelmaaty, A. M., Youssef, F. S., Mohamed, M. F., Ghallab, A. M., & Abou-Ahmed, M. M. (2025). ORALLY ADDED BLACK MACA (*LEPIDIUM MEYENII* WALP.) NANO-EMULSION AMELIORATES FRESH SEMEN QUALITY, TESTOSTERONE LEVEL AND FERTILISING ABILITY OF CHILLED AND CRYOPRESERVED RABBIT BUCK SPERMATOZOA. *World Rabbit Science*, 33(1), 23-36.
43. Abdelkhalek, R., Bahr, M. M., Elgohary, I., El Fouly, M. A., & Shamaa, A. A. (2025). MESENCHYMAL STEM CELL-DERIVED EXTRACELLULAR VESICLES: A PROMISING THERAPEUTIC APPROACH FOR AGE-RELATED MACULAR DEGENERATION. *Assiut Veterinary Medical Journal (Egypt)*, 71(186), 435-446.
44. Abdellah, O. M., Ali, M. E., Elsayed, A. H., Reem, R. T., & Abdel-Saeed, H. (2025). CLINICAL AND DIAGNOSTIC STUDIES ON FELINE HEPATIC LIPIDOSIS AND THE SIGNIFICANCE OF miRNA-122 AS A BIOMARKER. *Bulgarian Journal of Veterinary Medicine*, 28(3), 501-514.
45. Abdel-Moneam, D. A., Khalefa, H., Rashad, M. M., Ali, G. E., Ahmed, Y. H., Ragab, E., . . . Mahmoud, S. B. (2025). Thyme-synthesized silver nanoparticles mitigate immunosuppression, oxidative damage, and histopathological alterations induced by multidrug-resistant *Enterococcus faecalis* in *Oreochromis niloticus*: in vitro and in vivo assays. *Fish Physiology and Biochemistry*, 51(4).
46. Abdel-Moneam, D. A., Khalefa, H., Rashad, M. M., Ali, G. E., Bashir, D. W., Noshay, P. A., & Mahmoud, S. B. (2025). Dietary carvacrol essential oil alleviates thallium nitrate-induced toxicity in *Oreochromis niloticus*: Growth, hepatorenal, oxidative stress, gene expression, and histopathological study. *Aquaculture*, 599.
47. Abdel-Moneam, D. A., Khalefa, H., Shaalan, M., Elshafiee, E. A., & Ahmed, Z. (2025). Assessment of the Role of Wild Waterfowl as Potential Vectors of *Aeromonas hydrophila* and Its Cross-Transmission to Qarun Lake's Aquatic Environment, Considering the Altered Water Quality Parameters. *Biology Bulletin*, 52(1).
48. Abdelmonem, M., Al-Mokaddem, A. K., & Zakaria, M. Y. (2025). "TPGS-Functionalized Nanocarriers with Improved Flavonoid Oral Bioavailability and Therapeutic Action: Pharmacokinetic and Mechanistic Insights in Diabetes-Induced Retinopathy". *European Journal of Pharmaceutics and Biopharmaceutics*, 216.
49. Abdelnaby, E. A., Alhaider, A. K., & Emam, I. A. (2025). Effect of repeated injection of human chorionic gonadotropin on semen quality, testicular hemodynamics and hormonal profile of senile camel. *Veterinary Research Communications*, 49(5).
50. Abdelnaby, E. A., ElKader, N. A. A., Yehia, S. G., Salem, N. Y., Ramadan, E. S., Khattab, M. S., . . . Emam, I. A. (2025). Alterations in the Vaginal Vascular Perfusion, Chromoendoscopy and Oxidative Stress in Mares With Vaginitis and Endometritis. *Reproduction in Domestic Animals*, 60(3).
51. Abdelnaby, E. A., El-Sherbiny, H. R., Alhaider, A. K., Marzok, M., & Emam, I. A. (2025). Effect of Immunization Against Inhibin on Camel Testicular Morphometry, Echotexture Analysis, Semen Quality, and Vasculature in Relation to Hormonal Aspect. *Veterinary Sciences*, 12(9).
52. Abdelnaby, E. A., & Emam, I. A. (2025). L-Citrulline Single Intravenous Administration Promotes Testicular Blood Flow, Plasma Testosterone, Estradiol, Circulating Citrulline and Serum Nitric Oxide Levels in Male Camels Under Heat Stress at the End of Non-Breeding Season. *Reproduction in Domestic Animals*, 60(5).
53. Abdel-Radi, S., Salem, M. A., Youssef, F. S., Kamel, M. S., El-Bahy, M. M., & Ramadan, R. M. (2025). Acaricidal activity of *Astragalus polysaccharides* nanoemulsion against camel tick, *Hyalomma dromedarii*. *Experimental and Applied Acarology*, 95(4).
54. Abdel-Rady, A., Abu-Seida, H. A., & Abu-Seida, A. M. (2025). Epidemiological aspects of mpox (Monkeypox). *Journal of Zoonotic Diseases*, 9(3), 852-861.
55. Abdel-Rady, A., Abu-Seida, H. A., & Abu-Seida, A. M. (2025). An Overview of Camel Brucellosis and Its Impact on Human Health in Endemic Regions. *Vector-Borne and Zoonotic Diseases*.
56. Abdel-Rahman, I. A. M., Mohamed, A. M., Toaleb, N. I., Allam, A. M., Abdelgayed, S. S., Hassan, A. S., & Hekal, S. H. A. (2025). Assessment of Protective Effect of Rutin Utilizing Advanced Intranasal Nanoparticulate System in Mice Model after Experimental Challenge with *Pasteurella Multocida* Isolated from Naturally Infected Sheep. *Egyptian Journal of Veterinary Science*, 56(8), 1805-1822.
57. Abdelrahman, R. E., Hassan, M. S., Morgan, A. M., Ibrahim, M. A., & Hassanen, E. I. (2025). Resveratrol Mitigates Acetamidiprid-Induced Cardiotoxicity in Rats via Modulation of Jak/Stat, p38 Mapk and mTOR Signaling Pathways. *Journal of Biochemical and Molecular Toxicology*, 39(6).
58. Abdelsalam, M., Soliman, A. W., Hamada, A. H., Fadel, A., Korany, R. M. S., & Attia, M. M. (2025). Seasonal dynamics of *Caligus clemensi* Infestation in European Seabass and flathead grey mullet Integrating morphological, molecular, immunological, and environmental perspectives. *Microbial Pathogenesis*, 199.
59. Abd-El-Samie, E. M., Seyam, H., El-Deeb, A., El-Mohandes, S., Badr, M. S., Surano, A., & Abou Kubaa, R. (2025). The antiviral activities of Egyptian ethanolic propolis extract and honey bee venom against

honey bees infected with multiple viruses in vitro. *Journal of Apicultural Research*, 64(3), 848-861.

60. Abdel-Tawwab, M., Khalil, R. H., Abo Selema, T. A. M., Abdelsalam, M., Abdelhakim, T. M. N., Sabry, E. A., . . . Saad, A. H. (2025). Evaluating the inclusion of *Clostridium autoethanogenum* protein instead of fishmeal protein in diets for European seabass (*Dicentrarchus labrax*): Growth performance, digestive enzymes, health status, and tissues investigations. *Animal Feed Science and Technology*, 324.
61. Abdel-Tawwab, M., Omar, A. A., Khalil, R. H., Abo Selema, T. A. M., Elsamanoody, S. I., El-Saftawy, H. A. M., . . . Abdel-Razek, N. (2025). Influences of thermal stress on the growth biometrics, stress indicators, oxidative stress biomarkers, and histopathological alterations in European seabass, *Dicentrarchus labrax*, juveniles. *Fish Physiology and Biochemistry*, 51(2).
62. Abdel-Wahab, B. A., El-Shoura, E. A. M., Habeeb, M. S., Aldabaan, N. A., Ahmed, Y. H., & Zaafar, D. (2025). Piperazine ferulate impact on diabetes-induced testicular dysfunction: unveiling genetic insights, MAPK/ERK/JNK pathways, and TGF- β signaling. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 398(6), 6719-6737.
63. Abdel-Wahab, B. A., El-Shoura, E. A. M., Habeeb, M. S., Aldabaan, N. A., Ahmed, Y. H., & Zaafar, D. (2025). Unraveling the impact of semaglutide in a diabetic rat model of testicular dysfunction: Insights into spermatogenesis pathways and miRNA-148a-5p. *Steroids*, 213.
64. Abdulrasol, M. A., & Abd El-Ghany, W. A. (2025). A Field Study on Infectious Bronchitis Virus in Broiler Chickens in Southern Iraq. *Journal of World's Poultry Research*, 15(3), 314-320.
65. Abdulrasol, M. A., Abd El-Ghany, W. A., & Najem, H. A. (2025). Newcastle Disease Virus Infection in Domestic Pigeons: Epidemiology, Pathogenesis, Diagnosis, and Vaccination Strategies with Emphasis on Chitosan Nanoparticles. *Journal of World's Poultry Research*, 15(3), 407-417.
66. Abid, U., Iqbal, A., Mazher, M., Bibi, S., Ashraf, S., Kamel, M. S., . . . Sajid, M. (2025). Genome-wide identification and characterization of light-responsive FAR1 gene family in finger millet (*Eleusine coracana*) under abiotic stress. *Genetic Resources and Crop Evolution*, 72(5), 5903-5919.
67. Abo El-Ela, F. I., Hassan, W. H., Abdel-Raheem, M. H., & Soliman, A. G. (2025). Macrophage-targeted (TEG) doxycycline chitosan/alginate nanoengineering to alleviate *Brucella melitensis* biovar3 (RiH4 protein) relapse with effective bactericidal activity: In silico study. *Innovation and Emerging Technologies*, 12.
68. Abo El-Ela, F. I., Ibrahim, M. A., El-Samannoudy, S. I., Hassan, W. H., & Abdel-Gawad, D. R. I. (2025). In vitro and in silico analysis of the anti-proliferative effects of *Spirulina platensis* on A549 lung cancer cells. *Scientific Reports*, 15(1).
69. Abo Talep, E. A., Fahmy, M. M., Abdel-Shafy, S., Ayoob, F., Mahmoud, N. E., Hassanen, E. I., & Abuwarda, M. (2025). In vitro anti-tick effect of *Eucalyptus globulus* oil and its nano-emulsion against unfed adults of the brown dog tick *Rhipicephalus sanguineus sensu lato* (Acari: Ixodidae). *Medical and Veterinary Entomology*.
70. Aboelkhair, A. I., Hamdy, M. E., El-Deeb, A. H., Yanni, M. I., Shahein, M. A., & Hussein, H. A. (2025). ISOLATION AND MOLECULAR ANALYSIS OF RABIES VIRUS IN BATS IN EGYPT. *Assiut Veterinary Medical Journal (Egypt)*, 71(184), 91-100.
71. Aboelseoud, H., Ismael, E., Badawy, E. M., & Moustafa, G. Z. (2025). Hygienic Efficacy of Organic Acids, Copper Sulphate, Peroxides, Chlorines, and Quaternary Ammonium Compounds in Combating Water-Pipes Biofilm-Bacteria Isolated from Layer-Poultry Farms. *Water, Air, and Soil Pollution*, 236(14).
72. Abo-El-Sood, K., Hesham, H., Saeed, M., Mohamed, S., & Youssef, F. S. (2025). Combined in vivo and silico assessment of melatonin's protective effects on rifampicin-induced liver damage in rats. *Scientific Reports*, 15(1).
73. Abotaleb, R., Marouf, S., Elshafey, D. Y. H., Al-Afzeehy, N. M., Aboul-Ella, H., & Elyazeed, H. A. (2025). A glimpse on *Mycoplasma* species circulating in wild and captive bird communities in Egypt: prevalence and phylogenetic analyses. *Veterinary Research Communications*, 49(5).
74. Aboubakar, M., Elshafae, S. M., Abdelhise, E. Y., Fadl, S. E., Soliman, A., Abdelkader, A., . . . Abdeen, A. (2025). Correction to: Antioxidant and Anti-Inflammatory Potential of Thymoquinone and Lycopene Mitigate the Chlorpyrifos-Induced Toxic Neuropathy (Pharmaceuticals, (2021), 14, 9, (940), 10.3390/ph14090940). *Pharmaceuticals*, 18(5).
75. Aboul Ezz, R. A., Elesawy, H. A., Darwish, S. F., & Taher, E. M. (2025). EMERGENCE OF EXTENDED SPECTRUM B-LACTAMASE (ESBL) PRODUCING AND COLISTIN-RESISTANT ENTEROBACTERIACEAE IN MILK AND SOME DAIRY PRODUCTS: MICROBIAL SAFETY AND QUALITY ASSESSMENT. *Journal of Microbiology, Biotechnology and Food Sciences*, 14(5).
76. Aboul Ezz, R. A., Elesawy, H. A., Darwish, S. F., & Taher, E. M. (2025). MOLECULAR CHARACTERIZATION AND VIRULENCE GENES PROFILING OF SHIGA TOXIGENIC *E. COLI* AND *BACILLUS CEREUS SENSU LATO* ISOLATED FROM RAW MILK AND SOME DAIRY PRODUCTS. *Assiut Veterinary Medical Journal (Egypt)*, 71(185), 136-150.
77. Aboul-Ella, H., Mosallam, T., Samir, O., Ali, A., Qasim, A., Mahmoud, H. E., & Samir, A. (2025). Emergence of *Rhodotorula mucilaginosa* among pet animals: a possible public health risk on the move. *BMC Microbiology*, 25(1).
78. Aboulthana, W. M., Ibrahim, N. E. S., Hussien, A. G., Hassan, A. K., Khalil, W. K. B., Abdel-Gawad, H., . . . Ahmed, K. A. (2025). Assessment of the gold nanoparticles biosynthesized using *Casuarina equisetifolia* bark extract against the ethion induced Hepato- and neurotoxicity in rats. *Journal of Genetic Engineering and Biotechnology*, 23(2).
79. Abou-Okada, M., El-Matbouli, M., & Saleh, M. (2025). Silver and Zinc Oxide Nanoparticles for Effective Aquaculture Wastewater Treatment. *Nanomaterials*, 15(7).
80. Abozeid, H. H., Gu, C., Trifkovic, S., Neumann, G., & Kawakoa, Y. (2025). Immunity to Influenza B/Yamagata-Lineage Viruses Has Not Waned Since the Disappearance of This Virus Lineage. *Influenza and other Respiratory Viruses*, 19(11).
81. Abu Baker, S. O., Derbala, M. K., Matoock, M. Y., & Abdel Gawad, E. M. (2025). Association of passive transfer failure of colostrum and serum immunoglobulins with risk factors in both natural and embryo transfer arabian foals. *Journal of Advanced Veterinary Research*, 15(4), 431-435.
82. Abu Baker, S. O., Matoock, M. Y., & Abdel Gawad, E. M. (2025). Analytic Study of Maternal Behaviour in Arabian Mares. *Egyptian Journal of Veterinary Science*, 56(9), 2061-2071.
83. Abu-Elala, N., Hossam-Elden, N., Marzouk, M. S., & El Basuini, M. F. (2025). Chitosan for Aquaculture: Growth Promotion, Immune Modulation, Antimicrobial Activity, Bio-Carrier Utility, Water Quality Management, and Safety Considerations - A Review. *Annals of Animal Science*, 25(2), 483-509.
84. Abuelmagd, S. M. A., Ismail, T. I. M., Aboelmaaty, A. M., & Elnady, I. A. (2025). Ovarian dynamics and hemodynamics of pubertal fat-tail ewes supplemented Moringa seed cake before and after exogenous progesterone synchronization. *Journal of Advanced Veterinary Research*, 15(2), 189-196.
85. Abu-Seida, A. M., Hassanien, E. E., Sayedahmed, M., & Hassanein, E. E. E. (2025). A brief overview of two nanoscaffolds used in regenerative endodontics. *Tanta Dental Journal*, 22(2), 190-196.
86. Abuzaied, H., Bashir, D. W., Rashad, E., Rashad, M. M., Bawish, B. M., & El-Habback, H. (2025). Nature's shield: ginseng as a neuroprotective agent against titanium dioxide nanoparticle exposure. *Journal of Molecular Histology*, 56(5).
87. Adam, A. H., Aly, S. A., Saad, M. F., Sayed-Elahl, R. M. H., & Ibrahim, A. S. (2025). Diversity of Toxicigenic Molds and Aflatoxins in Different Varieties of Dairy Products and its Substitutes. *Egyptian Journal of Veterinary Science*, 56(13), 141-153.
88. Adam, A. H., Aly, S. A., Sayed-Elahl, R. M. H., & Saad, M. F. (2025). Decrease of AFM1 concentration in cow milk by chitosan and bentonite clay application: impact on sensory and compositional attributes. *Brazilian Journal of Microbiology*, 56(4), 2549-2555.
89. Adeniji, Y. A., Burtnett, S. L., Ibrahim, M. I., & Harvatine, K. J. (2025). Effect of a blend of palmitic and stearic acid on transfer of preformed fatty acids into milk fat using an 18 C n-3 fatty acid perturbation model. *Journal of Dairy Science*, 108(12), 13302-13312.
90. Afifi, M. M., Saleh, I. A. E. S., Yehia, S. G., & El-Nour, H. H. M. (2025). Oxidative, Biochemical and Hematological Parameters Alterations in Canine Hypothyroidism. *Egyptian Journal of Veterinary Science*, 56(7), 1447-1456.
91. Ahmed, A. A., Salem, H. M., Hamoud, M. M., & Amer, M. M. (2025). Avian Colibacillosis, Multidrug Resistance, Antibiotic Alternatives: an Updated Review. *Egyptian Journal of Veterinary Science*, 56(11), 2861-2881.
92. Ahmed, A. A., Salem, H. M., Hamoud, M. M., & Amer, M. M. (2025). Effect of Probiotic, Prebiotic and/or Fosfomycin in Control of Drug-Sensitive and Drug-Resistant *E. coli* O78 Infection in Broiler Chicken and Antibody to ND Vaccines. *Egyptian Journal of Veterinary Science*, 56(12), 3361-3375.
93. Ahmed, F. A., Khattab, M. S., Faten, F. M., Emam, M., & Ahmed, K. A. (2025). Avocado Oil Alleviates Oxidative Stress and Improves Biochemical and Histopathological Alterations in Diabetic Rats. *Egyptian Journal of Chemistry*, 68(2), 193-209.
94. Ahmed, L. I., Khalefa, H. S., & Mahmoud, G. A. E. (2025). Wastewater Re-Using in Irrigation for Agricultural Sustainability and Electricity Production (pp. 300-328).
95. Ahmed, M. (2025). Neuroprotective and cognitive-enhancing potentials of herbal remedies: Focus on St. John's wort, green tea, and Ashwagandha. *Neurotoxicology and Teratology*, 111.
96. Ahmed, M. (2025). Targeting aging pathways with natural compounds: a review of curcumin, epigallocatechin gallate, thymoquinone, and resveratrol. *Immunity and Ageing*, 22(1).
97. Ahmed, R., Khalil, F., Emeash, H. H., Elsamannoudy, S. I., El-Nahass, E. S., & Abdelghany, A. K. (2025). EFFICACY OF NIGELLA SATIVA, OLIVE LEAF EXTRACTS, CINNAMALDEHYDE, AND ITS NANO-EMULSION ON ALLEVIATION OF DEPRESSION IN MNCL2-INDUCED PARKINSON'S DISEASE RAT MODEL. *Assiut Veterinary Medical Journal (Egypt)*, 71(185), 204-218.
98. Ahmed, R. A., Jastaniah, S. D., Alaidaroos, B. A., Shafi, M. E., El-Haroun, E., Abd El-Aziz, Y. M., . . . Elfeky, A. (2025). Effects of dietary *Spirulina platensis* supplementation on growth performance, whole body composition, antioxidant activity, histological alterations, and resistance to *Vibrio parahaemolyticus* in Pacific white shrimp, *Litopenaeus vannamei*. *Aquaculture Reports*, 40.
99. Ahmed, R. F., Elgamal, A. M., El-Nashar, H. A. S., Mowaad, N. A., Elgohary, R., El-Saied, M. A., . . . Abd-ElGawad, A. M. (2025). Phenolic-rich extracts of *Teucrium oliverianum confere* protection against thioacetamide-induced liver fibrosis in rats: Insights from metabolomics, biochemical and histopathological analysis. *PLOS ONE*, 20(9 September).

100. Ahmed, Y. R., Abdel Megeed, R. M., Gooda, S. M., Kamel, N. N., Abdel Raouf, G. F. A., Hassan, E. E. S., . . . Hamed, M. A. (2025). Therapeutic potential of pectin from various sources against diabetes mellitus in rats: AKT/PI3K/GSK-3 β /CREB signaling pathways, inflammation, oxidative stress and genotoxicity crosstalk. *Journal of Diabetes and Metabolic Disorders*, 24(2).
101. Ahmed, Z. S. O., Khan, E., Elias, N., Elshebiny, A., & Dou, Q. (2025). Updated Review on Natural Polyphenols: Molecular Mechanisms, Biological Effects, and Clinical Applications for Cancer Management. *Biomolecules*, 15(5).
102. Akl, E. M., Mohamed, R. S., Abdelgayed, S. S., Fouda, K., & Abdel-Wahhab, M. A. (2025). Corrigendum to "Characterization and antioxidant activity of flaxseed mucilage and evaluation of its dietary supplementation in improving calcium absorption in vivo" [Journal: *Bioactive Carbohydrates and Dietary Fibre* 32 (2024) 100444] (*Bioactive Carbohydrates and Dietary Fibre* (2024) 32, (S2212619824000445), (10.1016/j.bcdf.2024.100444)). *Bioactive Carbohydrates and Dietary Fibre*, 33.
103. Aktaruzzaman, M., Islam, M. T., Rakib, M. A., Sikdar, B., Rehman, S., Rahman, M. S., . . . Raihan, M. O. (2025). A Comprehensive Evaluation of the Neuropharmacological Potential of Methanolic Leaf Extract of *Acanthos ebracteatus* (Vahl) Using Experimental and In Silico Approaches. *Chemistry and Biodiversity*, 22(5).
104. Al Nishilli, K. M., El-Zayat, E. M., Abdelgayed, S. S., Hosney, M., & Hassan, N. (2025). Assessment of the Capability of Mesenchymal Stem Cells and/or Pyrroloquinoline Quinone in Compensating the Age-Related Dysfunctions of AMP-Activated Protein Kinase Pathway in Wistar Rats. *Cell Biochemistry and Biophysics*, 83(3), 3109-3124.
105. Alafari, H. A., Al-Baqami, N. M., Abd El-Aziz, Y. M., Reyad, Y. A., Eissa, E. S. H., Kari, Z., . . . Abd El Megeed, O. H. A. (2025). The effects of nano-selenium and/or vitamin C on the growth performance, blood health, organ histology, molecular alterations, and disease resistance of Nile tilapia (*Oreochromis niloticus*) against *Saprolegnia ferax*. *Aquaculture International*, 33(1).
106. Alafari, H. A., Al-Baqami, N. M., Abd El-Aziz, Y. M., Reyad, Y. A., Eissa, E. S. H., Kari, Z., . . . Abd El Megeed, O. H. A. (2025). Correction to: The effects of nano-selenium and/or vitamin C on the growth performance, blood health, organ histology, molecular alterations, and disease resistance of Nile tilapia (*Oreochromis niloticus*) against *Saprolegnia ferax* (*Aquaculture International*, (2025), 33, 1, (65), 10.1007/s10499-024-01760-5). *Aquaculture International*, 33(1).
107. Alahwany, A. M., Arisha, A. H., AbdelKhalek, A., Khamis, T., Miyasho, T., & Kirat, D. (2025). Impact of Ultraviolet C Radiation on Male Fertility in Rats: Suppression of Autophagy, Stimulation of Gonadotropin-Inhibiting Hormone, and Alteration of miRNAs. *International Journal of Molecular Sciences*, 26(1).
108. Alam, F., Ullah, A., Rohaim, M. A., Munir, M., & Hussain, A. (2025). An automatic approach for the classification of lumpy skin disease in cattle. *Tropical Animal Health and Production*, 57(5).
109. Alatawi, F. S., Omran, A. M. E., Rashad, E., Abdel-Rahman, O. N., & Soliman, A. F. (2025). Rutin attenuates bleomycin-induced acute lung injury via miR-9-5p mediated NF- κ B signaling inhibition: network pharmacology analysis and experimental evidence. *Frontiers in Pharmacology*, 16.
110. Albaik, M., Al Qahtani, S. A., Mantargi, M. J. S., Alghamdi, A., Sindi, I. A., Sheikh, R. A., . . . Kurdi, L. A. F. (2025). Exploring perspectives on artificial intelligence: Awareness, attitudes, and knowledge among health majors students at Saudi universities. *PeerJ Computer Science*, 11.
111. Albarrak, S. M., Alharbi, Y. M., Alshanbari, F. A., Abo-Aziza, F. A. M., Almundarij, T. I., Altuwajri, S., & Zaki, A. A. (2025). Assessment of Immunological Responses of Broilers Vaccinated with Newcastle Strains Using Either Spray or Water Delivery Systems. *Revista Brasileira de Ciencia Avicola / Brazilian Journal of Poultry Science*, 27(1).
112. Alcici, M. A. I., Abdelhaleem, S. W., Fahim, K. M., Saleh, N. M., & Farag, H. S. (2025). Sustainable utilization of bovine adipose tissue derivatives as robust antimicrobial agents against Methicillin-resistant *Staphylococcus aureus*. *BMC Microbiology*, 25(1).
113. Aldhahrani, A., Ghamry, H. I., Soliman, A., Alkafafy, M., H. Abduljabbar, M. H., Farag, A., & Aboubakr, M. (2025). Potential Beneficial Effects of L-Carnitine and Allicin on Doxorubicin Induced Nephrotoxicity in Rats. *Pakistan Veterinary Journal*, 45(1), 295-303.
114. Alenezi, R. F., AbdelKhalek, A., El-Sayed, G., Pet, I., Ahmadi, M., Sherbini, E. S. E., . . . Arisha, A. H. (2025). A Natural Polyphenol, Chlorogenic Acid, Attenuates Obesity-Related Metabolic Disorders in Male Rats via miR-146a-IRAK1-TRAF6 and NRF2-Mediated Antioxidant Pathways. *Biomolecules*, 15(8).
115. Al-Ghafar, A. A. A., Marouf, S., Abdel-Moein, K. A., Zaher, H. M., & Samir, A. (2025). The Fecal Carriage of *Helicobacter* Species Among Pet Animals Suffering from Gastroenteritis: A Potential Public Health Concern. *Vector-Borne and Zoonotic Diseases*, 25(8), 504-510.
116. Ali, A. M., Elkhouly, G. E., Orabi, A., Ismail, A., de Melo Barbosa, R., Riela, S., . . . Abo-Zeid, Y. (2025). Optimization of Chemical Synthesis for Production of a Skin-Compatible and Scalable Copper Oxide Nanoparticles: A Promising and Safe Strategy for Healing of Non-infected and Infected Wounds in Diabetes. *BioNanoScience*, 15(1).
117. Ali, A. M., Hill, H. J., Elkhouly, G. E., Raya, N. R., Tawfik, N. F., Bakkar, M. R., . . . Abo-Zeid, Y. (2025). Green and chemical synthesis of iron oxide nanoparticles: Comparative study for antimicrobial activity and toxicity concerns. *Journal of Drug Delivery Science and Technology*, 103.
118. Ali, A. M., Nasr, S. A. E., & Khalefa, H. (2025). IN VITRO EVALUATION OF ORGANIC ACIDS' BIOFILMICIDAL AND ANTIMICROBIAL EFFICACY AGAINST SALMONELLA KENTUCKY AND PSEUDOMONAS AERUGINOSA STRAINS ISOLATED FROM BROILER FARMS' DRINKING WATER. *Assiut Veterinary Medical Journal (Egypt)*, 71(185), 93-107.
119. Ali, B. M., Elbaz, E. M., Al-Mokaddem, A. K., El-Emam, S. Z., & Awmy, M. M. (2025). Delphinidin or α -amyrin attenuated liver steatosis and metabolic disarrangement in rats fed a high-fat diet. *BioFactors*, 51(1).
120. Ali, K. M., & Mostafa, A. A. (2025). Self-Adhesive, Human Bandage Contact Lens Versus Conjunctival Transposition Flap for Surgical Repair of Feline Corneal Sequestrum. *Veterinary Sciences*, 12(9).
121. Ali, M. E., Jaheen, A. H., Oraby, M. I., & El-Sherif, M. A. (2025). Normal Echocardiographic Parameters in Egyptian Nubian Goats. *Egyptian Journal of Veterinary Science*, 56(10), 2325-2331.
122. Ali, M. M., Al-Mokaddem, A. K., Abdel-Sattar, E., El-Shiekh, R. A., Aljuaydi, S. H., & Shaheed, I. B. (2025). The nephroprotective potential of russelloside B isolated from *Caralluma quadrangula* in gentamicin-induced acute kidney injury via modulation of SIRT-1 pathway. *Scientific Reports*, 15(1).
123. Ali, S. B., Mohamed, A. S., Fahmy, S. R., El-Garhy, M., Mousa, M. R., & Abdel-Ghaffar, F. (2025). Nematocidal activity of zinc oxide nanoparticles synthesized using chicken egg albumin in lung and spleen of *Parascaris equorum* experimentally infected rats. *Scientific Reports*, 15(1).
124. Ali, S. E., Hassan, N. H., Emam, S. R., & Ghandour, R. A. (2025). Protective Effect of Vitamin E against Spermatogenic Disturbance and Testicular Oxidative Damage Induced by Sodium Valproate in Male Rats. *Egyptian Journal of Veterinary Science*, 56(13).
125. Ali, W. A., Moselhy, W. A., Ibrahim, M. A., Khalifa, A. G., & Mohamed, G. (2025). New insight into the protective effect of *Citrullus colocynthis* loaded with ZnONP cream on glutaraldehyde-induced dermatitis in health care workers. *Scientific Reports*, 15(1).
126. Al-Khalafah, H. S., Ibrahim, D., Abdelfattah-Hassan, A., Ibrahim, D., Mohamed-Saad, A., Saad, M. F., . . . Abdel-Hamid, M. I. (2025). Novel integrated approach modeling proanthocyanidins and bacteriophages to combat multidrug *Salmonella Typhimurium* in challenged broilers. *Frontiers in Veterinary Science*, 12.
127. Al-Kuraishy, H. M., Al-Gareeb, A. I., Al-Buhadily, A. K., Abd El-Maksoud, E. M., Shokr, M. M., Athanasios, A., . . . Batiha, G. E. S. (2025). Paracetamol: the potential therapeutic pathways defining its clinical use. *Inflammopharmacology*, 33(6), 2907-2918.
128. Allam, T. A., Abdel-Kader, F., & Kadry, M. (2025). Isolation, toxin gene profiling, and phylogenetic analysis of *Clostridium perfringens* in Egyptian fruit bats: public health and epidemiological implications. *Scientific Reports*, 15(1).
129. Alshammari, A. N., Al Fawaz, M. S., Alenezi, Y. M., Al-Ghafari, A. B., Al Doghaither, H. A., Elmorsy, E. M., . . . El-Raghi, A. A. (2025). Nanoliposome-mediated delivery of sulforaphane suppresses Ehrlich ascites carcinoma growth and improves liver integrity and therapeutic outcomes in a murine model. *BMC Cancer*, 25(1).
130. Alsuhaymi, N., Alsugoor, M. H., Shokry, A. A., Fayed, H. M., Mohamed, B. M. S. A., Afifi, S. M., . . . Elbaset, M. (2025). Protective role of remogliflozin against experimental liver fibrosis by activating AMPK/SIRT1/Nrf2 and suppressing NF- κ B pathways. *Frontiers in Pharmacology*, 16.
131. Aly, H. F., Ibrahim Fouad, G. I., Khalil, W. K. B., Kamel, N. N., El-Rigal, N. S., Ahmed, K. A., . . . Rizk, M. Z. (2025). Evaluating the therapeutic efficacy of a Benzofuran-Enaminone derivative for the management of Alzheimer's disease (AD)-like pathology in rats through regulating the expression of apoptosis and AD-related genes. *Neurological Research*.
132. Amer, A. M., & Amer, M. M. (2025). Pharmacology of Tropane Alkaloids (pp. 103-132).
133. Amer, A. M., & Amer, M. M. (2025). Tropane Alkaloids: Biosimilar and Biopharmaceutics (pp. 163-181).
134. Amer, M. M., Amer, A. M., & Elbayoumi, K. M. (2025). Artificial Intelligence: Current and Future Role in Veterinary and Public Medicine. *Egyptian Journal of Veterinary Science*, 56(11), 2761-2772.
135. Amin, I., AbdelKhalek, A., El-Demerdash, A. S., Pet, I., Ahmadi, M., & Abd El-Aziz, N. K. (2025). Cellulose Nanocrystal/Zinc Oxide Bio-Nanocomposite Activity on Planktonic and Biofilm Producing Pan Drug-Resistant *Clostridium perfringens* Isolated from Chickens and Turkeys. *Antibiotics*, 14(6).
136. An, Y., Lee, H. W., Jung, Y. C., Woo, H. J., Kim, Y., Kim, H., . . . Jeong, J. H. (2025). *Phyllostachys Caulis* in *Taeniam* extract stimulates longitudinal bone growth via IGF-1 and JAK2/STAT5 signaling in rats. *PLOS ONE*, 20(9 September).
137. Anwar Laithy, M. S. U., Darrag, A. M., Shaheen, N. A., Ali, K. M., & AbuAli, S. Y. (2025). Histologic evaluation of furcation perforation treated using bioacrylic putty with and without platelet rich fibrin or chitosan hydrogel as an internal matrix. *Scientific Reports*, 15(1).
138. Anwar, M. A. E. M., Mohammed, E. R., El-Moghazy, S. M., Abo El- Nasr, N. M. E., Elbaset, M. A., Korany, R. M. S., . . . Abd-Allah, W. H. (2025). Design, Synthesis, Biological Evaluation, and Computational Studies of Novel 1,4-Diketopiperazines as GABA Agonist. *Drug Development Research*, 86(5).

139. Anwer, A. Z., Abdulkader, M. S., & Abdel Massieh, E. S. (2025). Outcomes of Treatment of Cats with Effusive Feline Infectious Peritonitis Using Parenterally Administered Remdesivir with Two Different Maintenance Dose Concentrations. *Kafkas Universitesi Veteriner Fakültesi Dergisi*, 31(2), 259-266.
140. Atasever, A., Tekin, S., Bolat, İ., Bolat, M., Dag, Y., Cınar, B., . . . Çelebi, F. (2025). The effects of melatonin on oxidative stress, inflammation, apoptosis and Nrf2/HO-1 in acrylamide-induced lung injury in rats. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 398(11), 15905-15922.
141. Atasoy, M. O., Turan, T., Ozbek, R., İşidan, H., El-Naggar, R. F. E., Afify, A. F., & Rohaim, M. A. (2025). Evaluation of Risk Determinants and Molecular Characterisation for Non-Primate Hepacivirus Infection in Turkish Horses. *Pathogens*, 14(12).
142. Atef, O., Yassin, N., Hamed, R., el-Hariri, M., Abo-Elyazeed, H., Aboul-Ella, H., & Soliman, R. (2025). Development and evaluation of a lateral flow immunochromatographic assay for the rapid detection of donkey meat in beef as a tool for meat adulteration identification. *Journal für Verbraucherschutz und Lebensmittelsicherheit*, 20(1), 29-39.
143. Atta, S., Khalil, H., Kandil, A. M. Y., Atta, A., Mohandes, M. E., Salah, F., . . . Maher, S. (2025). Potential effect of bone marrow cells for treatment of experimentally induced acute ulcerative colitis in a rat model. *Songklanakarin Journal of Science and Technology*, 47(2), 113-119.
144. Attia, H. G., Fayed, H. M., Alasmari, S. M., Abdelrahman, S. S., Aleraky, M., Abdulwahab, A., . . . Fayed, H. M. (2025). Effect of Effervescent Formulation of Silymarin against Experimental Hepatotoxicity in Rats: Involvement of NRF2/HO-1, PI3K/AKT and TLR4/NFκB Pathways. *Journal of Applied Veterinary Sciences*, 10(2), 18-27.
145. Attia, M. M., Abdelsalam, M., Mohamed, H. I., ShadiDizaji, A., Soliman, A. W., & Warda, M. (2025). Punica granatum extract demonstrates antiparasitic effects against *Caligus clemensi* through in silico and in vitro studies. *Scientific Reports*, 15(1).
146. Attia, M. M., Albaqami, A., Mohamed, R. I., Heikal, H. S., Soliman, A. W., & Abdelsalam, M. (2025). Morphological and molecular characterization of *Acanthostomum* species with *Plesiomonas shigelloides* coinfection: Immunological and histopathological appraisal in *Bagrus bajad*. *Microbial Pathogenesis*, 200.
147. Attia, M. M., Ibrahim, A. M., Sakr, O. G., Salem, H. M., Barsoum, S. S., Kamel, M. S., & El-Gameel, S. M. (2025). Health status of rabbits infested with sarcoptic mange with different lesion scores. *Journal of Parasitic Diseases*, 49(2), 334-342.
148. Attia, M. M., Mahmoud, M. A., Abdelsalam, M., Almutairi, L. A., Alqahtani, M. A., Areshi, S. M., . . . Salem, H. M. (2025). Molecular and histopathological characterization of *Ascaridia galli* and *Eimeria tenella* co-infection in *Numida meleagris*. *Frontiers in Veterinary Science*, 12.
149. Attia, M. M., & Omar, H. M. (2025). Gastric equine myiasis: prevalence, pathogenesis, molecular and serological implications. *Journal of Parasitic Diseases*, 49(3), 489-497.
150. Atwah, M. A., Khormi, M. A., Abdelbaky, A. A., Abd El Megeed, O. H. A., Aborasain, A. M., Salem, M. A., . . . Abdelsalam, M. (2025). Multifaceted analysis of cymothoids parasitism, environmental stressors and heavy metal bioaccumulation dynamics in mediterranean farmed fish in Egypt. *Aquaculture International*, 33(5).
151. Awaad, S. S., Ibrahim, A. S., Shehta, H. A., Eid, H. R., & Hegab, O. W. (2025). The Impact of Incorporating Chia and Quinoa Flour into New Functional Karish Cheese Formulations on its Chemical, Microbiological, and Sensory Properties. *Egyptian Journal of Veterinary Science*, 56(13), 663-675.
152. Awad, S. M., Abdel-Latif, E. F., Tolba, K. S., ElSayed, H., Ali, Z. I., & Saudi, A. M. (2025). Electrolyzed water as a microbial control measure for white soft cheese. *International Dairy Journal*, 167.
153. Awad, S. M., Attia, Y. A., Elsayed, H., Abdelhafez, S. H., Keshita, A. T., Rashad, E., . . . Fathy, A. T. (2025). Efficacy of curcumin-selenium nanoemulsion in alleviating oxidative damage induced by aluminum chloride in a rat model of Alzheimer's disease. *Journal of Molecular Histology*, 56(2).
154. Awad, S. M., Attia, Y. A., Keshita, A. T., Watad, S. H., Rashad, E., Elsayed, H., . . . Fathy, A. T. (2025). Protective role of curcumin and selenium nanoparticles against aluminium chloride-induced hepatorenal toxicity in rats. *Journal of Molecular Histology*, 56(4).
155. Azab, A. A., Samir, M., Zakaria, S., Maged, H., Yehia, N., Taha, M., . . . Khalil, A. A. (2025). Comparative efficacy of a field-strain matched bivalent inactivated vaccine against contemporary newcastle disease and infectious bronchitis viruses in Egypt. *Veterinary Immunology and Immunopathology*, 288.
156. Azman, P. D., Yildirim, S., Sengül, E., Warda, M., Tekin, S., Aykurt, F., & Çınar, A. (2025). Protective effects of naringin against oxidative stress, inflammation, apoptosis, and DNA damage in rats with doxorubicin-induced hepatotoxicity. *Asian Pacific Journal of Tropical Biomedicine*, 15(7), 285-295.
157. Azouz, R. A., Bakr, A. F., Ibrahim, M. A., & Mahmoud, M. Y. (2025). Immunohistochemical and molecular study for differential diagnosis between freshwater and saltwater drowning. *Legal Medicine*, 72.
158. Badawy, M. S. E. M., Ahmed, L. I., & Riad, O. K. M. (2025). Microbiome Engineering: A Pathway to Sustainable Agricultural Productivity (pp. 51-81).
159. Baghdadadi, H. B. A., Abdelsalam, M., & Attia, M. M. (2025). Correction to: Diagnostic innovations in Equine Parasitology: a Nanogold-ELISA for sensitive serodiagnosis of migratory strongylus vulgaris larvae infections (*BMC Veterinary Research*, (2024), 20, 1, (579), 10.1186/s12917-024-04389-x). *BMC Veterinary Research*, 21(1).
160. Bakeer, M. R., El-Haroun, E., & Abdelnour, S. A. (2025). Synergistic benefits of olive pomace and multi-enzyme supplementation on fattening rabbit health and performance. *Frontiers in Veterinary Science*, 12.
161. Bakeer, M. R., & Hendawy, A. K. (2025). Ameliorative Effects of *Moringa Oleifera* Supplementation on Metabolic, Oxidative, and Reproductive Alterations Induced by Feed Restriction in Female Rats. *Journal of Applied Veterinary Sciences*, 10(4), 15-24.
162. Bakeer, M. R., Ibrahim, M. M., & Seifelnasr, E. (2025). The Role of Feed Restriction on Hematological, Biochemical, and Histopathological Alterations in the Liver and Kidney of Adult Male Rats. *Egyptian Journal of Chemistry*, 68(12), 371-377.
163. Bakeer, M. R., Rashad, M. M., Azouz, A. A., Azouz, R. A., Alrefaei, A. F., Kadasah, S. F., . . . Issa, M. Y. (2025). Molecular, Physiological, and Histopathological Insights into the Protective Role of *Equisetum arvense* and *Olea europaea* Extracts Against Metronidazole-Induced Pancreatic Toxicity. *Life*, 15(12).
164. Bakeer, M. R., Rashad, M. M., Youssef, F. S., Ahmed, O., Soliman, S. S., & Ali, G. E. (2025). Ameliorative effect of curcumin loaded nanoliposomes: A Promising bioactive formulation, against the DBP-induced testicular damage. *Reproductive Toxicology*, 137.
165. Bakeer, M. R., Soliman, S. S., Ahmed, O., Youssef, F. S., Ali, G. E., Aljarba, N. H., . . . Rashad, M. M. (2025). Astragalus polysaccharides protect against Di-n-butyl phthalate-induced testicular damage by modulating oxidative stress, apoptosis, and the PI3K/Akt/mTOR pathway in rats. *Frontiers in Veterinary Science*, 12.
166. Bakkar, M. R., Ali, A. M., Elkhouly, G. E., Raya, N. R., Silverstone, T. W., Chatterton, N. P., . . . Abo-Zeid, Y. (2025). Post-Synthesis Modulation of the Physicochemical Properties of Green-Synthesized Iron Oxide Nanoparticles with Tween 80 to Enhance Their Antibacterial Activity and Biocompatibility. *Pharmaceutics*, 17(11).
167. Bakr, A. F., El-Shiekh, R. A., Mahmoud, M. Y., Khalil, H. M. A., Alyami, M. H., Alyami, H. S., . . . Mansour, D. F. (2025). Correction to: Efficacy of Quercetin and Quercetin Loaded Chitosan Nanoparticles Against Cisplatin-Induced Renal and Testicular Toxicity via Attenuation of Oxidative Stress, Inflammation, and Apoptosis (*Pharmaceutics*, (2024), 17, 10, (1384), 10.3390/ph17101384). *Pharmaceutics*, 18(3).
168. Bakr, J. G., Khalid, S. A., Khafaga, N., Yassin, N. A., Terzioğlu, E. E., Öz, F., & Zaki, H. M. B. A. (2025). Effects of clove (*Syzygium aromaticum*) and rosemary (*Salvia rosmarinus*) essential oils and their nanoemulsion (pectin/chitosan) on *Aspergillus flavus* survival and the inhibition of total aflatoxin in beef burger patties. *International Journal of Food Science and Technology*, 60(2).
169. Bakr, M., Hashad, M. E., Gomaa, I., & Attia, S. (2025). Antimicrobial Susceptibility and Molecular Characterization of *Corynebacterium pseudotuberculosis* Isolates Recovered From Caseous Lymphadenitis in Sheep. *Egyptian Journal of Veterinary Science*, 56(13), 711-723.
170. Barre, R. S., Escobedo, R. A., Castro, E. M., Gazi, M., Castro, J. D., Cupic, A., . . . Martinez-Sobrido, L. (2025). A human H5N1 influenza virus expressing bioluminescence for evaluating viral infection and identifying therapeutic interventions. *iScience*, 28(9).
171. Barsoum, S. S., El-Samannoudy, S. I., Younis, A. E., & Attia, M. M. (2025). Tissue reactions and physiological changes with genetic characterization of *Giardia intestinalis* infection in cattle herds. *Journal of Parasitic Diseases*.
172. Bashandy, S. A. E., Elbaset, M. A., Ibrahim, F. A. A., Abdelrahman, S. S., Moussa, S. A. A., & El-Seidy, A. M. A. (2025). Management of cardiovascular disease by cerium oxide nanoparticles via alleviating oxidative stress and adipokine abnormalities. *Scientific Reports*, 15(1).
173. Bastawecy, I. M., Abdelmonem, M., Afify, A. F., Saad, N., Shirosaki, Y., Abdullah, C. A. C., . . . Munir, M. (2025). Viral contamination in cell culture: analyzing the impact of Epstein Barr virus and Ovine Herpesvirus 2. *Frontiers in Microbiology*, 16.
174. Bayoumi, M., Barre, R. S., Escobedo, R. A., Shivanna, V., Jackson, N., Ye, C., . . . Martinez-Sobrido, L. (2025). Identification of amino acid residues in polymerase PB2 responsible for differential replication and pathogenicity of avian influenza virus H5N1 isolated from human and cattle in Texas, US. *Emerging Microbes and Infections*, 14(1).
175. Bayoumi, M., Manju, V., Martínez-Sobrido, L., & Munir, M. (2025). Role of N6-Methyladenosine (m6A) epitranscriptomic mark in regulating viral infections and target for antiviral development. *Frontiers in Pharmacology*, 16.
176. Bazid, S. R. A., Soliman, N. S. M., Awad, A. A., & Fahim, K. M. (2025). Integrated evaluation of lipid deterioration and microbial prevalence in plant oil-based cheese analogues and processed cheeses: Implications for public health and food policy. *Journal of Food Composition and Analysis*, 148.
177. Bedir, M., Marouf, S., Sayed, R. H., El-Diasty, M., Hassan, H. M., Shahien, M. A., . . . Eljakee, J. (2025). Development and evaluation of a novel lateral flow immunoassay for rapid diagnosis of brucellosis

across different animal species. *Scientific Reports*, 15(1).

178. Bekhit, S. A., Fahim, K. M., Gebreal, A., & Abdel-Fatah, Z. F. (2025). Validation and cultural adaptation of the arabic version of the food disgust scale. *Food Quality and Preference*, 126.
179. Biswas, A., Eisfeld, A. J., Guan, L., Gu, C., Wang, T., Abozeid, H. H., ... Kawaoka, Y. (2025). Susceptibility and shedding in Mx1+ and Mx1- female mice experimentally infected with dairy cattle A(H5N1) influenza viruses. *eBioMedicine*, 118.
180. Biswas, A., Loeffler, K., Kim, D., Eisefeld, A. J., Duffy, A., Hammond, H., ... Kane, R. S. (2025). Inverted H1 hemagglutinin nanoparticle vaccines protect mice against challenges with human H1N1 and bovine H5N1 influenza viruses. *npj Vaccines*, 10(1).
181. Bolat, I., Bolat, M., Kiliclioglu, M., Okur, S., Gølgeli Bedir, A., Gözegir, B., ... Warda, M. (2025). Investigation of the Effects of Boric Acid against Post Operative Testicular Adhesion Caused by Experimental Laparotomy in Rats. *Biological Trace Element Research*, 203(6), 3181-3194.
182. Bolat, I., Bolat, M., Kiliclioglu, M., Yildirim, S., Sağlam, Y. S., Çomaklı, S., ... Warda, M. (2025). Differential TLR2 and TLR4 mediated inflammatory and apoptotic responses in asymptomatic and symptomatic *Leptospira interrogans* infections in canine uterine tissue. *Microbial Pathogenesis*, 198.
183. Bolat, M., Tekin, S., Bolat, I., Atasever, A., Cınar, B., Dag, Y., ... Çelebi, F. (2025). Gallic acid's protective mechanisms against acrylamide-induced pulmonary injury: in vivo and in silico insights into the Nrf-2/HO-1/NFκB pathway modulation. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 398(9), 11821-11837.
184. Boushra, A. F., Soliman, G. F., Ibrahim, W., Rashed, L. A., El-Meguid, E. A. A., Abouelela, Y. S., ... Bastawy, N. (2025). Angiotensin 1-7 Attenuates the Development of Ischemia-Reperfusion-Induced Arrhythmia in Rats: Electrophysiology, Molecular, and Immunohistochemical Study. *Microscopy Research and Technique*, 88(6), 1643-1653.
185. Broothaers, K., Angel-Velez, D., Molto, F. L. G., Hedia, M., Coster, T. D., Govaere, J., ... Smits, K. (2025). Incubation of Frozen-Thawed Semen Under Capacitating Conditions Supports Successful In Vitro Fertilization and Improves Intracytoplasmic Sperm Injection-Results in Horses. *Andrology*.
186. Broothaers, K., Bogado Pascottini, O. B., Hedia, M., Angel-Velez, D., de Coster, T., Peere, S., ... Smits, K. (2025). Oocyte holding and in vitro maturation duration between 28 and 34 hours do not affect equine OPU-ICSI outcomes. *Theriogenology*, 233, 64-69.
187. Bruno, D. R., Tonooka, K. H., Lehenbauer, T. W., Aly, S. S., & ElAshmawy, W. R. (2025). Annual and Seasonal Trends in Mastitis Pathogens Isolated from Milk Samples from Dairy Cows of California's San Joaquin Valley Dairies Between January 2009 and December 2023. *Veterinary Sciences*, 12(7).
188. Can, H., Demirkaya-Miloglu, F. D., Yuksel, B., Bayrak, B., Kadioğlu, Y., & El-Aty, A. M. A. (2025). Green Adsorption Strategy for the Efficient Removal of Moxifloxacin from Wastewater via Hollow Carbon Spheres. *Journal of Analytical Chemistry*, 80(11), 1843-1853.
189. Centeno-Delphia, R. E., Glidden, N., Long, E., Ellis, A., Hoffman, S., Mosier, K., ... Johnson, T. A. (2025). Nasal pathobiont abundance is a moderate feedlot-dependent indicator of bovine respiratory disease in beef cattle. *Animal Microbiome*, 7(1).
190. Chen, S., Niu, X., Zhang, Y., Wen, J., Bao, M., Li, Y., ... Ju, X. (2025). Butyrolactone-I from marine fungi alleviates intestinal barrier damage caused by DSS through regulating lactobacillus johnsonii and its metabolites in the intestine of mice. *Journal of Nutritional Biochemistry*, 135.
191. Chen, S., Yan, L., Zeng, J., Meng, W., Zhuang, J., Chen, F., ... Yang, S. (2025). Therapeutic effects of D-cycloserine in mouse models of IBD and CAC: Targeting NLRP3 inflammasome and intestinal barrier integrity. *International Immunopharmacology*, 163.
192. Cheng, K., Dong, R., Pan, F., Su, W., Xi, L., Zhang, M., ... Abd El-Aty, A. M. (2025). Characterization and feature selection of volatile metabolites in Yangxian pigmented rice varieties through GC-MS and machine learning algorithms. *Frontiers in Nutrition*, 12.
193. Cheng, K., Xiao, J., He, J., Yang, R., Pei, J., Jin, W., & Abd El-Aty, A. M. (2025). Unraveling volatile metabolites in pigmented onion (*Allium cepa* L.) bulbs through HS-SPME/GC-MS-based metabolomics and machine learning. *Frontiers in Nutrition*, 12.
194. Cheong, K. L., Chen, L., Lu, S. Y., Sabir, A., Chen, J., Wang, Z., ... Abd El-Aty, A. M. (2025). Structure-function relationship of the brown seaweed *Undaria pinnatifida* laminaran: Protein kinase C-mediated mucus secretion and gut barrier restoration. *Carbohydrate Polymers*, 358.
195. Cho, W., Choi, S. W., Lim, D. S., Gwon, H. J., Abd El-Aty, A. M., Ahmet Aydemir, H., ... Jung, T. W. (2025). Donepezil alleviates hepatic steatosis by mitigating ER stress via the AMPK/autophagy pathway. *Molecular and Cellular Endocrinology*, 601.
196. Cho, W., Lim, D. S., Gwon, H. J., Abd El-Aty, A. M., Jeong, J. H., & Jung, T. W. (2025). Valdecoxib Ameliorates Apoptosis and Ferroptosis in Tenocytes via the SIRT6/NRF2-Mediated Suppression of Oxidative Stress. *Archives of Medical Research*, 56(6).
197. Choi, S. Y., Abd El-Aty, A. M., & Kim, B. J. (2025). Randomized, Double-Blind, Placebo-Controlled Phase II Trial of AYP-101 (Soybean Phosphatidylcholine) for Submental Fat Reduction in Asian Adults. *Clinical Therapeutics*, 47(10), 889-893.
198. Chu, X., Du, P., Wang, W., He, H., Hu, P., Liu, Y., ... Abd El-Aty, A. M. (2025). L-cysteine modulates the Maillard reaction: Impacts on PhIP and pyrazine formation. *Food Chemistry*, 472.
199. Chu, X., Wang, X., Chen, Y., Du, P., He, H., & Abd El-Aty, A. M. (2025). Amino acid regulation and predictive modeling of PhIP and pyrazines in Maillard reaction systems. *Journal of Food Composition and Analysis*, 148.
200. Dang, J., Lv, Y., Abd El-Aty, A. M., & Li, G. (2025). Practically complementary size exclusion chromatography and reversed-phase liquid chromatography for the preparative separation of structurally similar flavone-C-glycosides. *Journal of Chromatography A*, 1740.
201. Deabes, D. A. H., Elabd, E. A. W., Baraka, S. M., El-Gendy, Z. A., Korany, R. M. S., & Elbatany, M. M. (2025). Metabolomics analyses and comparative insight to neuroprotective potential of unripe fruits and leaves of *Citrus aurantium* ethanolic extracts against cadmium-induced rat brain dysfunction: involvement of oxidative stress and akt-mediated CREB/BDNF and GSK3β/NF-κB signaling pathways. *Metabolic Brain Disease*, 40(1).
202. Demirkaya-Miloglu, F. D., Bayrak, B., Yuksel, B., Demir, S. N., Gündoğdu, G., Kadioğlu, Y., & Abd El-Aty, A. M. (2025). Plasma metabolomic signatures after oral administration of ritonavir in COVID-19 treatment via chemometrics-assisted UPLC/Q-TOF/MS/MS. *Journal of Pharmaceutical and Biomedical Analysis*, 255.
203. Derbala, M. K., Hassan, E. A., & Abu-Seida, A. M. (2025). Outcome following standing flank laparotomy for treatment of uterine torsion in 87 Arabian mares. *Equine Veterinary Education*, 37(11), 580-586.
204. Derbala, M. K., Hassan, M. H., & Abu-Seida, A. M. (2025). A novel case report of clockwise and counterclockwise uterine torsions during the same gestation period in a mare. *Equine Veterinary Education*, 37(1), e1-e5.
205. Edrees, A., Shaban, N. S., Ramadan, R. M., Salem, M. A., Mohammed, F. F., & Mahdy, O. A. (2025). Nanoparticles as a Novel Strategy for Controlling Lernaeciosis in the Common Carp (*Cyprinus carpio*). *Egyptian Journal of Aquatic Biology and Fisheries*, 29(4), 1541-1568.
206. Eid, S., Rizk, S. A., Ayman, D., Ali, M., Saad, M., El-Sanousi, A. A., ... Shalaby, M. A. (2025). Cost-effective suspension adaptation of BHK-21 cells for scalable FMD vaccine production in resource-limited settings. *Open Veterinary Journal*, 15(7), 3193-3205.
207. Eidaaros, N. H., Algammal, A. M., Mohamaden, W. I., Alenzi, A. M., Alghamdi, S., Kabrah, A., ... El-Tarabili, R. M. (2025). Virulence traits, agr typing, multidrug resistance patterns, and biofilm ability of MDR *Staphylococcus aureus* recovered from clinical and subclinical mastitis in dairy cows. *BMC Microbiology*, 25(1).
208. Eissa, A. E., El Ziltni, R. A., El-Ramlawy, A. O., Abu Mhara, A. A., Alzentani, S. A. A., Abu Leila, R. H. M., ... Attia, M. M. (2025). Role of the cymothoid isopod, *Nerocila bivittata* in spread of *Photobacterium damsela* subsp *piscicida* to Thinlip mullet (*Chelon ramada*). *Parasitology International*, 109.
209. Eissa, A. E., Ziltni, R. E., Edrees, A., El-Ramlawy, A. O., Sharaf, M. S., Korany, R. M. S., ... Ragab, R. H. (2025). Epidemiological tracking and control strategies of early mortalities in hatchery-reared gilthead seabream (*Sparus aurata*) larvae. *Aquaculture International*, 33(6).
210. Eissa, E. S. H., El-Haroun, E., Abdel-Warith, A. W. A., Younis, E. M., Davies, S. J., Hamed, E. S. A. E., ... Ahmed, H. O. (2025). Effects of Dietary Curcumin Nanoparticles (C-NPS) on Growth Performance, Digestive Enzymes Activities, Antioxidant Status and Immunity Responses for Enhancing the Intestinal Mucosa of White-Leg Shrimp (*Litopenaeus vannamei*) Challenged by *Fusarium solani*. *Annals of Animal Science*, 25(2), 747-757.
211. Eissa, E. S. H., Elshopakey, G. E., Rezk, S., Shakweer, M. S., Abd El Megeed, O. H. A., Almatyari, A. M., ... Elbahnaswy, S. (2025). Efficacy of diets enriched with selenium nanoparticles derived from *Spirulina platensis* for improving Pacific whiteleg shrimp's growth, immune response, tissue antioxidants, histomorphometric traits, and resistance against *Vibrio parahaemolyticus* infection. *Developmental and Comparative Immunology*, 173.
212. Eissa, E. S. H., Monier, M. N., Abd El-Aziz, Y. M., Saadony, S., Abu Husein, M. S., Abd El Megeed, O. H., ... Sakr, S. E. S. (2025). The efficacy of dietary commercial probiotic (*Bacillus subtilis*) on growth performance, hemato-biochemical response, and histological status of red tilapia (*Oreochromis sp.*). *Journal of Applied Aquaculture*, 37(1), 45-66.
213. Eissa, N., Salman, M. B., Younes, A. M., Mohamed, E. L. S. A., Abu-Seida, A. M., Abdulkarim, A., & Eldin, A. I. Z. (2025). One health approach on zoonotic multidrug-resistant *Klebsiella pneumoniae* isolated from Egyptian cattle, horses, and humans. *Open Veterinary Journal*, 15(9), 4219-4234.
214. El Badawy, A., Hamza, D. A., Ahmed, Z., & Sabry, M. A. (2025). Seasonal and environmental drivers of antibiotic resistance and virulence in *Escherichia coli* from aquaculture and their public health

implications. *Scientific Reports*, 15(1).

215. El Basuini, M. F., Hussein, A. T., El-Hais, A. M., Elhetawy, A. I. G., Soliman, A. A., Gabr, S. A., . . . Shehata, A. I. (2025). Corrigendum to "Impacts of dietary Ajwain (*Trachyspermum ammi* L.) on growth, antioxidative capacity, immune responses, and intestinal histology of grey mullet (*Liza ramada*)" [Aquaculture, Volume 595, Part 2, 30 January 2025, 741706] [Aquaculture (2025) 595(P2), (S0044848624011682), (10.1016/j.aquaculture.2024.741706)]. *Aquaculture*, 599.
216. El Basuini, M. F., Hussein, A. T., El-Hais, A. M., Elhetawy, A. I. G., Soliman, A. A., Gabr, S. A., . . . Shehata, A. I. (2025). Impacts of dietary Ajwain (*Trachyspermum ammi* L.) on growth, antioxidative capacity, immune responses, and intestinal histology of grey mullet (*Liza ramada*). *Aquaculture*, 595.
217. El Hassab, M. A., Ibrahim, M. H., Abdel Mageed, S. S., Mahmoud, A. M. A., Othman Ahmed, Z. S., Mosallam, S., . . . Albash, R. (2025). Correction: Formulation of zein nanoparticles for augmenting the anti-inflammatory activity of dexketoprofen (*Frontiers in Pharmacology*, (2025), 16, (1560585), 10.3389/fphar.2025.1560585). *Frontiers in Pharmacology*, 16.
218. El Hassab, M. A., Ibrahim, M. H., Abdel Mageed, S. S., Mahmoud, A. M. A., Othman Ahmed, Z. S., Mosallam, S., . . . Albash, R. (2025). Formulation of zein nanoparticles for augmenting the anti-inflammatory activity of dexketoprofen. *Frontiers in Pharmacology*, 16.
219. El Nemr, A. I., Hamad, R. T., El-Shemy, A. A., AbdelKhalek, A., & Mohamed, M. A. (2025). Pathological, Immunohistochemical, and Molecular Study of Avian Infectious Bronchitis Virus in Egypt. *Egyptian Journal of Veterinary Science*, 56(1), 79-89.
220. El Tabaa, M. M. E., Harty, M. E. E., Mohsen, M., Rashad, E., Negm, W. A., Elmorshedy, K., & Abu-Risha, S. E. (2025). Integrating network pharmacology and in vivo pharmacological validation to explore the gastroprotective mechanism of Sotetsuflavone against indomethacin-induced gastric ulcer in rats: Involvement of JAK2/STAT3 pathway. *Journal of Nutritional Biochemistry*, 142.
221. El Tantawy, R. I., Hussein, H. A., El-Deeb, A. H., Ahmed, B., & Arafa, A. (2025). Pathogenicity of Highly Pathogenic Avian Influenza Virus (H5N1) in Different Duck Breeds. *Journal of World's Poultry Research*, 15(2), 263-274.
222. El Tayeb, N. S., Younis, N. A., Mouneir, S. M., Ahmed, K. A., Al-Karmalawy, A. A., Alnajjar, R., . . . Fayek, N. M. (2025). LC-MS/MS profiling of *Zanthoxylum piperitum* (L.) DC. leaves cultivated in Egypt, isolation of its bioactive components, and interrelationships with anti-ulcerative activities: in vitro and in vivo approaches, molecular docking, and dynamics studies. *Journal of Ethnopharmacology*, 350.
223. Elabd, E. A. W., Baraka, S. M., Kassem, I. A. A., El-Gendy, Z. A., El-Sayed, A. F., Ibrahim, S., . . . Elbatanony, M. M. (2025). Anti-ulcerogenic activity of *Citrus medica* var. *sarcodactylis* fruit extract nano-emulsion in gastric ulcer rat model through modulating HMBG1/TLR4/NF- κ B and Nrf2/HSP70/PGE2 signaling pathways. *Journal of Drug Delivery Science and Technology*, 104.
224. Elafef, E., Maatoug, T., Evangelidou, S., Marti-Soler, H., Adam, A., Arisha, A. H., . . . Requena-Méndez, A. (2025). The burden, clinical outcomes and risk factors related to neglected tropical diseases and malaria in migrant populations in the Middle East and North Africa: a systematic review and meta-analyses. *BMJ Global Health*, 10(11).
225. El-Ansary, R. E., Sofy, A. R., El-Tabakh, M. A. M., Afify, A. F., El-Gaffary, M., Oraby, M. I., & Elkhayat, M. A. (2025). Biochemical, Hematologic and Oxidative Stress Biomarkers Investigation in Infected Native Breed Calves with Foot and Mouth Disease virus Serotype A. *Advances in Animal and Veterinary Sciences*, 13(2), 253-261.
226. ElAshmawy, W. R., Ferreira, F. C., Williams, D. R., Gery, A. C., & Aly, S. S. (2025). Daily Milk Losses Associated with Dairy Cow Bunching, Cattle's Protective Behavior Against Stable Flies (*Stomoxys calcitrans*) in California. *Veterinary Sciences*, 12(11).
227. Elbadawy, H. M., Almikhlaifi, M. A., Alsubhi, M. H., Shokry, A. A., Fayed, H. M., Mohamed, B. M. S. A., . . . Elbaset, M. A. (2025). Sotagliflozin Modulation of SIRT1/Nrf2 and PI3K/AKT Signaling Pathway Ameliorates Experimental Liver Fibrosis in Rats. *Oxidative Medicine and Cellular Longevity*, 2025(1).
228. Elbakry, R. M., Eid, A. A. M., Elkholi, A. A., Mousa, M. R., El-Morsy, M. A., & Abdelaziz, W. S. (2025). Cecal coccidiosis in Japanese quails (*Coturnix Japonica*): *Eimeria tsunodai* identification and comparative prophylactic phytochemotherapy with immune stimulant impact. *Open Veterinary Journal*, 15(3), 1446-1467.
229. Elbaset, M. A., ElAwdan, S. A., Khattab, M. S., & El-Marasy, S. A. (2025). Involvement of hypoxia-inducible factor-1 α in the protective effect of rivaroxaban against testicular ischemia-reperfusion in rats. *Scientific Reports*, 15(1).
230. El-Bassyouni, G. T., Elshebiney, S., Korany, R. M. S., Mabrouk, M., Soliman, A., Darwish, H., . . . Hamzawy, E. (2025). Engineered Calcium Silicate-Hexaboride Biocomposites: A Versatile Platform for Personalized Orthopedic Therapies. *Silicon*, 17(4), 873-887.
231. El-Bassyouni, G. T., Mouneir, S. M., & El-Shamy, A. M. (2025). Advances in surface modifications of titanium and its alloys: implications for biomedical and pharmaceutical applications. *Multiscale and Multidisciplinary Modeling, Experiments and Design*, 8(5).
232. Elbaz, E. M., Ibrahim, S. M., Rashad, E., Yasin, N. A. E., Ghaiaid, H. R., & Mehana, N. A. (2025). Therapeutic Role of L-Theanine in Mitigating Cognitive Dysfunction and Neuropathology in Scopalamine-Treated Mice. *ACS Chemical Neuroscience*, 16(13), 2528-2545.
233. El-Baz, N., Kyser, A., Mahmoud, M. Y., Farrell, C. Z., Ginocchio, S., Frieboes, H. B., & Doster, R. S. (2025). Modulation of group B *Streptococcus* infection and vaginal cell inflammatory signaling in vitro by *Lactobacillus crispatus*-loaded electrospun fibers. *Infection and Immunity*, 93(10).
234. Elbendary, L. A., Abdel-Latif, G. A., Khattab, M. A., Elshahar, A. E., & Sayed, R. H. (2025). The Role of the AMY1 Receptor Signaling Cascade in the Protective Effect of Sulforaphane Against Nitroglycerin-Induced Migraine in Mice. *Archiv der Pharmazie*, 358(9).
235. El-Daly, S. M., Abdelrahman, S. S., Abd El-Jawad, A. M., Abdel-Monem, M. A., & El-Saeed, G. S. M. (2025). Diagnostic Potential of Exosomal and Non-Exosomal Biomarkers in Lung Cancer: A Comparative Analysis Using a Rat Model of Lung Carcinogenesis. *Non-coding RNA*, 11(3).
236. El-Daly, S. M., Abdelrahman, S. S., El-Banna, M. A., Latif, Y., Medhat, D., Morsy, S. M., & Wafay, H. A. (2025). Deciphering the Interplay of the PD-L1/MALT1/miR-200a Axis During Lung Cancer Development. *Biotechnology and Applied Biochemistry*, 72(5), 1156-1166.
237. El-Deemdash, A. S., Ras, R., Yusuf, M. S., Hassan, S. S., Mowafy, R. E., El-Raghi, A. A., & Al-Shemy, M. T. (2025). Unveiling Antioxidant Mechanisms: Novel Gene Expression Profiling Reveals How Carboxylated Cellulose Nanocrystal/ZnO Bio-nanohybrid Counteracts Babesiosoma-Induced Oxidative Stress in Catfish. *Journal of Cluster Science*, 36(6).
238. Elfyadany, A., Samir, H., Mandour, A. S., Ragab, R. F., Elshafey, B. G., Alanazi, F. E., . . . Emam, M. H. (2025). Oxazolone-Induced Immune Response in Atopic Dermatitis Using a Goat Model and Exploration of the Therapeutic Potential of Pomegranate Peel Extract. *Animals*, 15(3).
239. Elfeil, W. M., Safwat, M., Sedek, A., Adel, A., Hassan, H., Zain El-Abideen, M. A., . . . Kilany, W. H. (2025). Efficacy of a multi-clade inactivated recombinant vaccine against the circulating highly pathogenic influenza A/H5N1 of clade 2.3.4.4b in poultry. *Avian Pathology*.
240. Elgendy, A. M., Hassanien, E. E., Nagy, M. M., Fathy, I. A., Abu-Seida, A. M., & Hassanein, E. E. (2025). CYTOTOXICITY AND OSTEOGENIC POTENTIALS OF MESENCHYMAL STEM CELLS VIA A NOVEL FORMULATION OF MINERAL TRIOXIDE AGGREGATE: AN IN VITRO STUDY. *International Arab Journal of Dentistry*, 16(2), 54-66.
241. El-Gendy, H. F., Salamah, S., Elhusseiny, E., Khalifa, H. O., El-Banna, H. A., Attia, T. A., . . . Hanbally, S. E. (2025). Daflon and Centrum mitigate vancomycin-induced nephrotoxicity in rats by ameliorating oxidative stress, DNA damage, apoptosis, and inflammation. *Frontiers in Toxicology*, 7.
242. El-Geneady, M. A., Ramadan, R. M., Mahdy, O. A., Kamel, M. S., & Salem, M. A. (2025). *Hippobosca equina*: Influences on oxidative stress and immune-regulating cytokine responses in horses. *Medical and Veterinary Entomology*.
243. El-Ghany, W. A. A. (2025). Avian intestinal spirochaetosis: an emerging zoonosis. *Animal Diseases*, 5(1).
244. Elghonemy, M. M., Sharaf El-Din, M. G. S., Aboelsoud, D., Abdelhameed, M. F., El-Saied, M. A., Toaleb, N. I., . . . Elgamal, A. M. (2025). Anticryptosporidial action mechanisms of *Launaea spinosa* extracts in *Cryptosporidium parvum* experimentally infected mice in relation to its UHPLC-MS metabolite profile and biochemometric tools. *PLOS ONE*, 20(3 March).
245. Elghweet, A. M., El-Monem Fadel, M. A., Ramadan, A., & Kamel, G. M. (2025). Validation of A Developed Analytical Chromatographic Method for Liposomal Lincomycin Quantification in The Biological Matrices of Broiler Chickens. *Egyptian Journal of Veterinary Science*, 56(2), 311-319.
246. El-Hameed, S. A., Ibrahim, I., Awadin, W., & El-Shaieb, A. (2025). Pathological and Ultrastructural Study on the Chronic Liver Damage Induced by Thioacetamide in Male Rats. *Egyptian Journal of Veterinary Science*, 56(9), 2197-2205.
247. Elhenawy, P. A., Saudi, A. M., Darwish, S. F., Soliman, T. N., & Ali, Z. I. (2025). COMPREHENSIVE ASSESSMENT OF STAPHYLOCOCCUS AUREUS CONTAMINATION IN RAW MILK: OCCURRENCE, ANTIBIOTIC RESISTANCE MECHANISMS, ENTEROTOXIN GENE MARKERS AND PUBLIC HEALTH RISKS. *Assiut Veterinary Medical Journal (Egypt)*, 71(185), 447-462.
248. El-Houseiny, W., Abdelaziz, R., Mansour, A. T., Alqhtani, H. A., Bin-Jumah, M. N., Bayoumi, Y., . . . El-Murr, A. E. (2025). Effects of α -sitosterol on growth, hematobiochemical profiles, immune-antioxidant resilience, histopathological features and expression of immune apoptotic genes of Nile tilapia, *Oreochromis niloticus*, challenged with *Candida albicans*. *Comparative Biochemistry and Physiology Part - B: Biochemistry and Molecular Biology*, 275.
249. El-Houseiny, W., Basher, A. W., Mahmoud, Y. K., Bayoumi, Y., Abdel-Warith, A. W. A., Younis, E. M., . . . Assayed, M. E. M. (2025). Mitigation of sodium fluoride-induced growth inhibition, immunosuppression, hepatorenal damage, and dysregulation of oxidative stress, apoptosis, and inflammation-related genes by dietary artichoke (*Cynara scolymus*) leaf extract in *Oreochromis niloticus*. *Comparative Biochemistry and Physiology Part - B: Biochemistry and Molecular Biology*, 277.
250. El-Kashak, W. A., Essa, A. F., Abdelhameed, M. F., Ahmed, Y. H., Abd Elkarim, A. S., Elghonemy, M. M., . . . Elshamy, A. I. (2025). Unveiling the neuroprotective potential of *Ipomoea carnea* ethanol extract

- via the modulation of tau and β -secretase pathways in ALC3-induced memory impairment in rats in relation to its phytochemical profiling. *Inflammopharmacology*, 33(4), 2043-2068.
251. El-Kattan, N., El-Batawy, O., Yousef, E. E., & Youssef, F. S. (2025). Antimicrobial, Antioxidant and Anti-inflammatory Effects of Cocoa Bean Husk (CBH) Extract. *Egyptian Journal of Chemistry*, 68(4), 521-537.
252. El-Kattan, N., Ibrahim, M. A., Emam, A. N., Metwally, K., Youssef, F. S., Nassar, N. A., & Mansour, A. S. (2025). Evaluation of the antimicrobial activity of chitosan- and curcumin-capped copper oxide nanostructures against multi-drug-resistant microorganisms. *Nanoscale Advances*, 7(10), 2988-3007.
253. Elkhwesky, Z., Gumbo, A. R., Abuelhassan, A. E., Hassan, H., Elkhwesky, F. F. Y., & El Manzani, Y. (2025). A Systematic Review with Bibliometric Analysis of Food Waste Research in Contemporary Hospitality. *Journal of Culinary Science and Technology*.
254. El-Marakby, A. I., Mostafa, M. B., Metwally, A. A., Soliman, A. S., & Abdelgalil, A. I. (2025). Distal phalanx radiographic grading features in long-toe, underrun heel in Egypt Baladi donkeys (*Equus asinus*). *Equine Veterinary Education*, 37(3), 139-147.
255. El-Marasy, S. A., Abo El- Nasr, N. M. E., ElMosbah, D. E., & Elbaset, M. (2025). Cilostazol ameliorates Cisplatin-induced nephrotoxicity via modulation of PI3K/AKT/mTOR signaling pathway and autophagy in rats. *Toxicology Mechanisms and Methods*, 35(9), 1496-1509.
256. El-Marasy, S. A., F. Abdel-Rahman, R. F., Abd-El salam, R. M., Ogaly, H. A., & Allam, R. M. (2025). Anti-osteoporotic effect of sitagliptin in an osteoporosis model of ovariectomized rats: role of RUNX2 and RANKL/OPG ratio. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 398(11), 15857-15871.
257. El-Marasy, S. A., Farouk, H., Khattab, M. S., & Elbaset, M. (2025). Protective effect of roflumilast on cyclophosphamide-induced ovarian toxicity in rats: role of SIRT1/Nrf2/NF- κ B pathway. *Immunopharmacology and Immunotoxicology*, 47(3), 354-363.
258. El-Marasy, S. A., Mostafa, R. E., Mabrok, H. B., Khattab, M. S., & Awdan, S. A. E. (2025). Protective effect of irbesartan against hepatic ischemia-reperfusion injury in rats: role of ERK, STAT3, and PPAR- γ inflammatory pathways in rats. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 398(2), 1681-1693.
259. Elmeligy, E., Abdel-lah, E. S., Almuhanna, A. H., Abdelghffar, E. A. R., Shukry, M., Abdulkader, M., . . . Khalphallah, A. (2025). Assessment of an integrated therapeutic protocol for sheep with acute ruminal impaction: diagnostic and prognostic significance of rumen functions and hepatorenal biomarkers. *Frontiers in Veterinary Science*, 12.
260. El-Mongy, M. A., Khalefa, H. S., Arafa, N. S., Moseleh, A. A., & Nada, S. M. (2025). In Vitro Efficacy of Chitosan Nanoparticles against *Staphylococcus aureus* and *Klebsiella Spp.* Isolates From Bovine Mastitis Milk: Addressing Antibiotic Resistance and Exploring Alternative Treatments. *Egyptian Journal of Veterinary Science*, 56(13), 891-905.
261. Elmorsy, E. M., Alqahtani, N. S., Alenezi, Y. M., Abbas, M. F., Atta, M. M. F., Aggour, A., . . . Elshopakey, G. E. (2025). Nutritional nanotherapy with quercetin-loaded chitosan nanoparticles ameliorates imidacloprid-induced liver toxicity through antioxidant, anti-inflammatory, and genoprotective mechanisms. *Naunyn-Schmiedeberg's Archives of Pharmacology*.
262. El-Nagar, S. H., Abdelrahman, H. A., Basha, H. A., Helal, M. A., Mahmoud, S., Attia, Y. A., . . . Shukry, M. (2025). Optimising rabbit performance under cyclic heat stress: effects of nano-chromium chloride on growth, immunity, antioxidant defense, and gene expression in New Zealand White and Rex breeds. *Italian Journal of Animal Science*, 24(1), 1060-1074.
263. el-Nawawi, F. A. M., Mohamed, S. A., Khalid, S. A., & Zaki, H. M. B. A. (2025). Efficiency of Free and Nano-Encapsulated Ginger essential oil (*Zingiber officinale*) on Survival of *Staphylococcus aureus*, Microbial Shelf-Life Indicators, and Deterioration Criteria in Minced Beef Meat Model. *Food Biophysics*, 20(4).
264. Eloutify, Y. T., El-Shiekh, R. A., Ibrahim, K. M., Hamed, A. R., Al-Karmalawy, A. A., Shokry, A. A., . . . Meselhy, M. R. (2025). Editorial Expression of Concern: Bioactive fraction from *Plumeria obtusa* L. attenuates LPS-induced acute lung injury in mice and inflammation in RAW 264.7 macrophages: LC/QToF-MS and molecular docking(*Inflammopharmacology* , (2023), 31, (859–875), 10.1007/s10787-023-01144-w). *Inflammopharmacology*.
265. El-Saadony, M. T., AlKafaas, S. S., Saad, A. M., Mohammed, D. M., Korma, S. A., Salem, H. M., . . . El-Tarabily, K. A. (2025). Medicinal plants: nutritional, immunological and therapeutic role in treating cancer-related malnutrition: a comprehensive review. *Cancer Cell International*, 25(1).
266. El-Saadony, M. T., Saad, A. M., AlKafaas, S. S., Dladla, M., Ghosh, S., ElKafas, S. S., . . . El-Tarabily, K. A. (2025). Chitosan, derivatives, and its nanoparticles: Preparation, physicochemical properties, biological activities, and biomedical applications – A comprehensive review. *International Journal of Biological Macromolecules*, 313.
267. El-Saadony, M. T., Saad, A. M., Mohammed, D. M., AlKafaas, S. S., Ghosh, S., Negm, S. H., . . . El-Tarabily, K. A. (2025). Curcumin, an active component of turmeric: biological activities, nutritional aspects, immunological, bioavailability, and human health benefits - a comprehensive review. *Frontiers in Immunology*, 16.
268. El-Saadony, M. T., Saad, A. M., Mohammed, D. M., Korma, S. A., Yahya Alshahrani, M. Y., Ahmed, A. E., . . . Ibrahim, S. A. (2025). Medicinal plants: bioactive compounds, biological activities, combating multidrug-resistant microorganisms, and human health benefits - a comprehensive review. *Frontiers in Immunology*, 16.
269. El-Saadony, M. T., Saad, A. M., Salem, H. M., AlKafaas, S. S., Mohammed, D. M., Abd El-Mageed, T. A., . . . El-Tarabily, K. A. (2025). Nanotoxicity of Engineered Nanomaterials and Its Impact on Plant Growth-Promoting Rhizobacteria (pp. 425-465).
270. El-Saadony, M. T., Saad, A. M., Salem, H. M., Mohammed, D. M., Al-Shahari, E. A., Ahmed, A. E., . . . Alagawany, M. (2025). The Functionality of Probiotics in Aquaculture: Application; Mechanisms, Current Sta-tus, and Future Prospects - A comprehensive review. *Annals of Animal Science*.
271. El-Saadony, M. T., Salem, H. M., Attia, M. M., Yehia, N., Abdelkader, A. H., Abdel-Mawgod, S. A., . . . Alagawany, M. (2025). Alternatives to antibiotics against coccidiosis for poultry production: the relationship between immunity and coccidiosis management – a comprehensive review. *Annals of Animal Science*.
272. El-Saka, E. M., El-Wishy, A. B. A., Moawad, A. R., Ibrahim, S., & Shahat, A. M. (2025). Impact of Flavonoid-Enriched Antioxidant Nanoformulation Supplementation on In Vitro Maturation and Gene Expression of Buffalo Oocytes. *Animals*, 15(8).
273. Elsayaf, M. H., El-Mashad, N. E., Solib, F. A., Jaheen, A. H., & El-Sherif, M. A. (2025). Variations of Serum Amyloid A, Haptoglobin, Coagulation Profile, and Venous Blood Gases in Arabian Horses in Different Colic Cases. *Egyptian Journal of Veterinary Science*, 56(10), 2333-2345.
274. El-Sayed, A. A. M., El-Sayed, A. A., Ali, M. E., Eissa, A., Askar, A. R., & Mousa, S. (2025). Pulsed-wave Doppler echocardiographic and hematobiochemical profiles of clinically healthy racing dromedary camels. *Open Veterinary Journal*, 15(2), 994-1008.
275. Elsayed, A. N., Abd El-Hamed, W. F., Metwally, A. E. M., Amer, N. S., Abdelbaset, A. E., Rizk, M. A., . . . Ras, R. (2025). What's worming Egyptian chickens: Morphological and molecular identification of *Raillietina echinothorica* and *Ascaridia galli* in domestic chickens in Egypt. *Veterinary Parasitology: Regional Studies and Reports*, 66.
276. Elsayed, D. A., Shehab, W. S., Abdelgllil, M. I., Haikal, H. A., Jaremko, M., Farargy, A. F., . . . Khalifa, M. M. (2025). Ecofriendly synthesis of pyrimidine derivatives: exploring their anticoccidial efficacy and cytotoxic effect on WI-38 cells. *Journal of Saudi Chemical Society*, 29(4).
277. El-Sayed, E. K., Elsayed, H. E., Khattab, M. A., Ahmed, A. A., Lai, K. H., Mady, M. S., & Moharram, F. A. (2025). Chemical profile and in-vivo antiulcer activity of *Aiphanes egersii* Burret aerial Parts: Involvement of Nrf2/HO-1 activation and NF- κ B suppression. *Journal of Ethnopharmacology*, 352.
278. El-Sayed, H. S., Alatfeehy, N. M., Tawfik, W. A., Mahdy, Z. A. M., Azab, D. M., Nada, M. O., . . . Eid, S. (2025). Eucalyptus nanoemulsion as an eco-friendly disinfectant to control bacterial contamination and enhance ostrich egg hatchability. *Results in Engineering*, 28.
279. El-Shater, S. N., Swielim, G. A., Tolba, A., Gamal, M., Zaki, H. M. B. A., & Abo-El-Sooud, K. (2025). Effect of in-ovo Manganese Inoculation on Hatchability, Serum and Molecular Levels of Antioxidants, Bone Development, and Meat Quality of Broiler Chicks. *Journal of Animal Physiology and Animal Nutrition*.
280. El-Shazly, O. M., El-Deeb, A. H., Said, M. Z., Hassan, H. M., Hussein, H. A., Hagag, N. M., & El-Sanoussi, A. A. (2025). Molecular Characterization, Pathogenicity, and Phylogenetic Analysis of H5N8 and H5N1 Avian Influenza Strains Isolated From Poultry in Egypt 2023. *Egyptian Journal of Veterinary Science*, 56(13).
281. El-Sherbiny, H. R., Yousef, F. S., Eldawy, M. H., Elnady, I. A., Elken, E. M., Farouk, M. H., . . . Samir, H. (2025). Dietary supplementation of ewes with *Astragalus membranaceus* root extract enhanced the fetomaternal hemodynamics, fetalplacental development, and lambs' growth rate. *Small Ruminant Research*, 252.
282. El-Shiekh, R. A., Nabil, G., Shokry, A. A., Ahmed, Y. H., Al-Hawshabi, O. S. S., & Abdel-Sattar, E. (2025). Editorial Expression of Concern: Arabinoside B isolated from *Caralluma arabica* as a potential anti-pneumonitis in LPS mice model(*Inflammopharmacology*, (2023), 31, (1437–1447), 10.1007/s10787-023-01159-3). *Inflammopharmacology*.
283. El-Shiekh, R. A., Radi, M. H., Elshimy, R., Abdel-Sattar, E., El-Halawany, A. M., Ibrahim, M. A., . . . Hassanen, E. I. (2025). Friedelin: A natural compound exhibited potent antibacterial, anti-inflammatory, and wound healing properties against MRSA-infected wounds. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 398(9), 12103-12113.
284. Elshimy, R., El-Shiekh, R. A., Okba, M. M., Ashour, R. M. S., Ibrahim, M. A., Hassanen, E. I., . . . Ali, M. E. (2025). Unveiling the antimicrobial, antivirulence, and wound-healing accelerating potentials of resveratrol against carbapenem-resistant *Pseudomonas aeruginosa* (CRPA)-septic wound in a murine model. *Inflammopharmacology*, 33(1), 401-416.
285. Elsobky, Y., Rabah, I. M., Mousa, W. S., Sabbah, K., Nayel, M. A., Elsfy, A. M., . . . Elkamshishi, M. M. (2025). Isolation and molecular identification of multidrug-resistant *Escherichia coli* strains isolated from mastitic cows in Egypt. *Open Veterinary Journal*, 15(5), 2094-2102.
286. Eltanahy, A., Alkadri, D., Elmorsy, M. A., El-Emam, H. A., El-Shall, N. A., Elmishmy, B., . . . Abdellatif, A. M. (2025). Synergistic effects of garlic powder and probiotics on production and growth performance parameters in broiler challenged with coccidia. *Open Veterinary Journal*, 15(6), 2729-2749.

287. Eltanty, M. M., Sadek, M., Al-Shawa, M., Afify, M. A., Yassin, N. A., & Zaki, H. M. B. A. (2025). Effect of Using Nisin and Ethylenediaminetetraacetic Acid on the Bacterial Load, Deterioration Criteria, and Sensory Attributes of Chilled Chicken Cuts. *Food Safety and Health*.
288. El-Tawil, O., Alfaro, S., Saad-Hussein, A., & El-Sheikh, E. S. A. (2025). Climate change and toxins: A comprehensive overview (pp. 1-12).
289. El-Waziry, I. A. K., Eissa, A. E., El-Tabilli, R. M., Abouelhassan, E. M., Ghetas, H. A., Ismail, E. M., . . . Dessouki, A. A. (2025). Parasitic crustaceans as a potential vector of MDR *Vibrio alginolyticus* infection among farmed marine fish in some earthen-pond based Egyptian aquaculture facilities: Molecular, epidemiological and pathological evidences. *Parasitology International*, 108.
290. Emar, M. S., Ammar, A. M., Abdelwahab, A. M. O., Elgdawy, A. A., AbdelKhalek, A., Peş, E., . . . Abd El-Aziz, N. K. (2025). Green Tea Extract (*Theaceae*; *Camellia sinensis* L.): A Promising Antimicrobial, Anti-Quorum Sensing and Antibiofilm Candidate Against Multidrug-Resistant *Campylobacter* Species. *Antibiotics*, 14(1).
291. Esam, R. M., Hafez, R. S., Khafaga, N., Ahmed, L. I., Soliman, T. N., & Fahim, K. M. (2025). Novel utilization of micro-encapsulated *Lactobacillus acidophilus* and bacterial /yeast combination enhanced the AFM1 reduction in spiked yoghurt. *International Journal of Food Microbiology*, 436.
292. Essa, H. A., Hashim, A. F., Abdel-Aziz, N. N., Mohamed, F. E. Z. S., & Ali, A. M. (2025). Olive and Linseed Oil Blend-Based Nanoemulsions Fortified With Ginger Extract Nutraceutical: Mitigating Liver Fibrosis Induced by Carbon Tetrachloride by Regulating Oxidative Stress and TGF- β /MMP9 Signaling Pathway in Rats. *Molecular Nutrition and Food Research*, 69(1).
293. Essam, M., ElSayed, M. A. I., Youssef, F. S., & Samir, H. (2025). Effect of administration of nanoparticles of human chorionic gonadotropin on testicular hemodynamics, testicular volume, testicular echotexture, and circulating testosterone and nitric oxide in pubescent goat bucks under heat stress conditions. *Veterinary Research Communications*, 49(2).
294. Essam, M., El-Sayed, M. A. I., Youssef, F. S., & Samir, H. (2025). Effect of vitamin C and its nanoparticles injection on testicular hemodynamics, testicular volume, testicular echotexture, and circulating testosterone and nitric oxide in pubescent goat bucks. *Journal of Advanced Veterinary Research*, 15(1), 28-34.
295. Evangelidou, S., Seead, F., Deal, A., Ouahchi, A., Maatoug, T., Elafef, E., . . . Turki, Z. (2025). Migrant Health Country Profile tool (MHCP-t) for transforming health data collection and surveillance in the Middle East and North African (MENA) region: tool development protocol with embedded process evaluation. *BMJ Open*, 15(1).
296. Ezzat, G. A., Kassem, G. M. A., & Malak, N. M. L. (2025). Safety, quality attributes, and health risk assessments of sand smelt fish. *Scientific Reports*, 15(1).
297. Ezzat, M. I., Abdelhafez, M. M., Al-Mokaddem, A. K., & Mohamed Ezzat, S. M. (2025). Targeting TGF- β /VEGF/NF- κ B inflammatory pathway using the Polyphenols of *Echinacea purpurea* (L.) Moench to enhance wound healing in a rat model. *Inflammopharmacology*, 33(4), 2151-2164.
298. Fadel, A., Ibrahim, H. A. H., Al-Sodany, Y. M., Bessat, M., Abdelsalam, M., & Amer, M. S. (2025). Prevalence and molecular characterization of Acute hepatopancreatic necrosis disease (AHPND) in cultured white-leg shrimp *Litopenaeus vannamei* with the fungal bioactive control strategy. *Microbial Pathogenesis*, 203.
299. Fadel, A., Khafaga, A., Abdelsalam, M., & Abdel-Rahim, M. M. (2025). Comparative evaluation of three herbal extracts on growth performance, immune response, and resistance against *Vibrio parahaemolyticus* in *Litopenaeus vannamei*. *BMC Veterinary Research*, 21(1).
300. Fadel, A., Mahmoud, M. A., Abdelsalam, M., Eissa, E. S. H., & Sherif, A. H. (2025). *Aeromonas veronii* infection in cultured *Oreochromis niloticus*: prevalence, molecular and histopathological characterization correlated to water physicochemical characteristics, with the protective autochthonous probiotic. *Aquaculture International*, 33(4).
301. Fadel, A., Sherif, A. H., Okasha, L. A., Abdelmegeid, M., & Abdelbaky, A. A. (2025). Chitosan-Vitamin C Nanoparticles Ameliorate Heat Stress in the Nile Tilapia. *Egyptian Journal of Aquatic Biology and Fisheries*, 29(4), 2169-2193.
302. Fahmy, E. M., Abdelhamid, A. E., Mansour, D. A., Baraka, S. M., Korany, R. M. S., Abdallah, A. A., . . . Said, A. A. (2025). Mitigating Action of Korean Red Ginseng Extract against Antidepressant Agent (Duloxetine)-Induced Oxidative Insult, Inflammation, and Apoptosis in Rat Male Reproductive System. *Egyptian Journal of Veterinary Science*, 56(13), 255-272.
303. Fakhari-Adil, M., Angel-Velez, D., Araftpoor, E., Amin, Q. A., Hedia, M., Bühler, M., . . . Heindryckx, B. (2025). Biphasic CAPA-IVM Improves Equine Oocyte Quality and Subsequent Embryo Development Without Inducing Genetic Aberrations. *International Journal of Molecular Sciences*, 26(12).
304. Farag, A., Samir, H., Koung Ngeun, S., Kameda, M., Hendawy, H., Takahashi, K., & Tanaka, R. (2025). Comparative cardiomyocyte differentiation potential of rat adipose-derived mesenchymal stem cells from two anatomical sites: metabolomic profiling and pathway analysis. *Frontiers in Cell and Developmental Biology*, 13.
305. Farag, B., Ragab, I., Elsayed, E. H., Shehab, W. S., Mouneir, S. M., Saeed, A., & Elsayed, D. A. (2025). Novel pyrimidinone scaffolds synthesized via nanotechnology as promising inhibitors of the hepatitis A virus with computational analyses. *Bioorganic Chemistry*, 167.
306. Farid, M. F., Yasin, N. A. E., Al-Mokaddem, A. K., Ibrahim, M. A., Abouelela, Y. S., & Rizk, H. (2025). Retraction note: Combined laser-activated SVF and PRP remodeled spinal sclerosis via activation of Olig-2, MBP, and neurotrophic factors and inhibition of BAX and GFAP (Scientific Reports, (2024), 14, 1, (3096), 10.1038/s41598-024-52962-z). *Scientific Reports*, 15(1).
307. Farouk, H., Moustafa, P. E., Khattab, M. S., & El-Marasy, S. A. (2025). Diacerein ameliorates amiodarone-induced pulmonary fibrosis via targeting the TGF β 1/ α -SMA/Smad3 pathway. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 398(4), 4111-4122.
308. Farrag, M. A., Aljowaie, R. M., Alzayed, R. M., Aziz, I. M., Alhajouj, S. A., Alaboudi, K. A. N., . . . Almajhdi, F. N. (2025). Epidemiological analysis of SARS-CoV-2 variants in Saudi Arabia. *Future Virology*, 20(11), 449-462.
309. Fathy, H. A., Orabi, S. H., Elkirdasy, A. F., Abd El Fattah, E. M., Korany, R. M. S., Khalifa, H. K., & Ahmed, M. M. (2025). Potential hepatoprotective role of *Amphora coffeaeformis* algae against diazinon-induced hepatotoxicity in adult Sprague-Dawley rats. *Egyptian Liver Journal*, 15(1).
310. Fayed, H. M., Asaad, G. F., Elbaset, M. A., Sharaf, O. A., Mahmoud, S. S., Amin, M. M., . . . F. Abdel-Rahman, R. F. (2025). Therapeutic efficacy of canagliflozin against hepatocarcinogenesis induced by CDD/DEN/TAA in a rat model: regulation of AMPK/HIF-1 α /YAP-1/TAZ signaling pathways. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 398(11), 16131-16148.
311. Fayed, R. H., Bawish, B. M., & Rügge, K. (2025). Effect of Phytogetic Feed Additives (Herb-All™ COOL) on Milk Production and Fertility of Dairy Cows in Hot Seasons. *Journal of Applied Veterinary Sciences*, 10(1), 92-100.
312. Fayed, E., Salama, A., Ismail, M. A., Youssef, F. S., Rawash, Z. M., Oshba, M. R., & Samir, H. (2025). Dietary supplementation of Astragalus polysaccharide or its nanoparticles enhances testicular hemodynamics, echotexture, scrotal circumference, concentration of testosterone, estradiol, nitric oxide, and total antioxidant capacity, and semen quality in mature Ossimi rams. *BMC Veterinary Research*, 21(1).
313. Faysal, M. A., Hanafy, M., Zinniel, D. K., Tanni, F. Y., Muthukrishnan, E., Rathnaiah, G., & Barletta, R. G. (2025). Cell death pathways in response to *Mycobacterium tuberculosis* and other mycobacterial infections. *Infection and Immunity*, 93(10).
314. Feige, L., Walter, N., Fawzy, A., Schultze, T., Hassel, M., Vogt, M., . . . Schoeps, A. (2025). Outbreak of listeriosis associated with consumption of deli meats in a hospital, Germany, February to March 2023. *Eurosurveillance*, 30(7).
315. Fikry, A., Samir, A., Abo-Elyazeed, H., Mokhtar, E., Abdel-Moein, K. A., Aboul-Ella, H., & Al-Amy, K. (2025). MULTI-DRUG RESISTANCE AND PUBLIC HEALTH SIGNIFICANCE OF *ENTEROCOCCUS FAECIUM* ISOLATED FROM APPARENTLY HEALTHY AND CLINICALLY DIARRHEIC RUMINANTS IN EGYPT. *Assiut Veterinary Medical Journal (Egypt)*, 71(185), 42-55.
316. Fouad, A. M., Abo-Al-Ela, H. G., Negm, E. A., Abdelhaseib, M., Alian, A., Abdelsater, N., . . . Mohamed, S. A. A. (2025). Impact of *Polyonchobothrium magnum* on health and gut microbial ecology of African catfish (*Clarias gariepinus*): Insights from morphological, molecular, and microbiological analyses. *Journal of Fish Diseases*, 48(9).
317. Fouad, E. M., Abu-Seida, A. M., & Alsheshtawi, K. A. (2025). An overview of the applications of AI for detecting anatomical configurations in endodontics. *Annals of Anatomy*, 260.
318. Foulke, S., & ElAshmawy, W. R. (2025). Examination of the Ruminant Digestive System (pp. 461-482).
319. Gaballa, M. M. S., Ahmed, O., Elsharkawy, S., Abdow, M. F., Shoulah, S., Hassan, F. W., . . . Shaalan, M. (2025). Modulation of Energy Drink-Induced Hepato-renal and Testicular Toxicity by Pomegranate Peel Extract: Insights from Histopathological and Immunohistochemical Analyses. *Pakistan Veterinary Journal*, 45(2), 703-712.
320. Gaber, H. G., Younis, N. A., & Saleh, S. Y. (2025). Comparative physiological and immunological impacts of *Moringa oleifera* leaf and seed water supplements on African catfish (*Clarias gariepinus*): effects on disease resistance and health parameters. *BMC Veterinary Research*, 21(1).
321. Gabr, N. M., Mina, S. A., ElAwadan, S. A., Asaad, G. F., Abdelgayed, S. S., & Mounir, R. F. (2025). Profiling of two *Lampranthus* species using LC-ESI/MS with evidence of their hepatoprotective activity. *Natural Product Research*, 39(11), 3086-3092.
322. Gamal, F. A., Abdel-Wahab, A. M., Khalifa, M. M., Khattab, M. S., & Nassar, A. M. (2025). Molecular characterization, phylogenetic analysis and histopathological changes of *Eimeria* species infecting domestic pigeons (*Columba livia domestica*) in Giza governorate, Egypt. *Veterinary Parasitology: Regional Studies and Reports*, 62.
323. Gamal, F. A., Abdel-Wahab, A. M., Khalifa, M. M., Ramadan, R. M., & Nassar, A. M. (2025). Incidence, genetic characterization and phylogenetic analysis of *Cryptosporidium* species infecting domestic pigeons (*Columba livia domestica*) in Egypt. *Veterinary Parasitology: Regional Studies and Reports*, 62.
324. Gamal, M., Awad, M. A., ShadiDizaji, A., Ibrahim, M. A., Ghoneim, M. A., & Warda, M. (2025). In vivo and in silico insights into the antidiabetic efficacy of EVOO and hydroxytyrosol in a rat model. *Journal of Nutritional Biochemistry*, 135.
325. Gamal, M., Ibrahim, M. A., Mousa, S., Zhang, F., & Warda, M. (2025). Synthesis, characterization, and application of a poly(acrylic acid-co-acrylamide) cation exchanger (ACX) for camel lactoferrin

- purification. *International Journal of Biological Macromolecules*, 309.
326. Gamal, M. A. N., El-Nagar, E. M. S., Khattab, M. S., & Salem, H. M. (2025). Molecular discernment and histopathological features of oncogenic Marek's disease virus among different farmed avian species in Egypt. *Scientific Reports*, 15(1).
327. Gamil, M. R., Abu-Elala, N., & Abo-Al-Ela, H. G. (2025). Toxicity of 6PPD-quinone in European seabass (*Dicentrarchus labrax*) under baseline and *Vibrio alginolyticus* challenge conditions: Protective insights from astaxanthin mitigation. *Science of the Total Environment*, 987.
328. Gao, Y., Lin, J., Liu, D., Zhao, W., Pei, J., & Abd El-Aty, A. M. (2025). A selenium-enriched glycosaminoglycan from sturgeon cartilage: characterization and anti-metabolic syndrome potential. *International Journal of Biological Macromolecules*, 322.
329. Ghanem, N. A., Hagag, N. M., Abdel Gawad, E. M., & Matoock, M. Y. (2025). Estimation of Heritability, Genetic and Phenotypic Correlation of Head and Neck Traits of Egyptian Arabian Colts. *Journal of Applied Veterinary Sciences*, 10(1), 118-131.
330. Ghoneim, M. S., Kataia, I. M., Abu-Seida, A. M., Abd-El Aal, R. M. A., & Mahran, A. H. (2025). Electrospun Poly-Lactic Acid Nanofibers for Dual Drug Delivery in Regenerative Endodontics: Ciprofloxacin and Metronidazole Loading and Characterization. *Ain Shams Dental Journal (Egypt)*, 38(2), 679-692.
331. Gohari, S. T., Mohamed, E. M., Samad, S. H. A., Khattab, M. S., & Aljuaydi, S. H. (2025). EFFECT OF AMLA (*EMBLICA OFFICINALIS*) AND CORNSILK (*ZEA MAYS L.*) AGAINST GENTAMICIN-INDUCED HEPATOTOXICITY AND NEPHROTOXICITY IN EXPERIMENTAL RATS. *Assiut Veterinary Medical Journal (Egypt)*, 71(185), 219-239.
332. Gohari, S. T., Musa, Z. M., Farahat, A. M., Soliman, K. M., & Aljuaydi, S. H. (2025). Functional and Nutritious Characteristics of Nanocurcumin-Enhanced Stirred Yogurt in Alloxan-Induced Diabetic Rats. *Egyptian Journal of Chemistry*, 68(6), 353-367.
333. Gong, J., Lin, J., Guan, T., Pei, J., Palanisamy, C. P., & Abd El-Aty, A. M. (2025). From selenium tolerance to nanoplastic antagonism: Comprehensive characterization of *L. casei* SNUT1 and its extracellular vesicle-nanoselenium complex. *Food Bioscience*, 74.
334. Guan, T., Gong, J., Lin, J., Palanisamy, C. P., Pei, J., & Abd El-Aty, A. M. (2025). Machine learning-driven multimodal optimization of selenium biotransformation and flavor profiling in fermented apple-Yacon functional beverages. *Innovative Food Science and Emerging Technologies*, 105.
335. Guha, P., Shah, R., Kroneková, Z., Shaalan, M., Vykydalová, A., Kleinová, A., . . . Kronek, J. (2025). Tailoring 2-oxazoline based digradient copolymers for rifampicin delivery: Synthesis, physicochemical properties, and colloidal behavior. *European Polymer Journal*, 233.
336. Hafez, R. M., Behour, T. S., Amer, H. A., Abd-Elmaogoud, S. Z., & Mousa, W. M. A. (2025). Molecular Identification and Histopathological Findings of *Neospora caninum* as a Cause of Bovine Abortion in Some Egyptian Dairy Farms. *Journal of Applied Veterinary Sciences*, 10(1), 46-56.
337. Hafez, S. Z., Fayed, A. A., Said, T. A., & Kamel, M. S. (2025). A Novel Latex Agglutination Diagnostic Technique for Rapid Detection of Rift Valley Fever Virus Antibodies. *Egyptian Journal of Veterinary Science*, 56(4), 769-778.
338. Hamada, A. H., Attia, M. M., Marzouk, M. S., Korany, R. M. S., Elgendy, M. Y., & Abdelsalam, M. (2025). Co-infection with *Caligus clemensi* and *Vibrio Parahaemolyticus* in Egyptian Farmed Mulletts: Diagnosis, Histopathology, and Therapeutic Management. *Egyptian Journal of Veterinary Science*, 56(2), 353-368.
339. Hamdy, M., Mohammed, S., Farghali, H., Aboul-Ella, H., & Marouf, S. (2025). Monitoring the Burden of the Antibiotic Resistance and Virulence Genes in Pet Animals Suffering from Bacterial Otitis. *Journal of Applied Veterinary Sciences*, 10(3), 62-77.
340. Hamdy, M., Mohammed, S., Farghali, H., Aboul-Ella, H., & Marouf, S. (2025). A PEEK BEHIND THE CURTAIN ON ESSL-MDR *KLEBSIELLA PNEUMONIAE* AND *ESCHERICHIA COLI* AMONG PET ANIMALS SUFFERING FROM OTITIS. *Assiut Veterinary Medical Journal (Egypt)*, 71(187), 222-236.
341. Hamdy, S. A., Hatem, S., Elosaily, H., Hassan, A. G. A. E., Elshimy, R., Osman, A. H., & El-Shiekh, R. A. (2025). Therapeutic targeting of ocular diseases with emphasis on PI3K/Akt, and OPRL pathways by *Hedera helix L. saponins*: a new approach for the treatment of *Pseudomonas aeruginosa*-induced bacterial keratitis. *Natural Products and Bioprospecting*, 15(1).
342. Hamed, A. B., Fawzy, I. M., Abdallah, D. M., Abulfadl, Y. S., Ahmed, K. A., & El-Abhar, H. S. (2025). GPER1 Mediates Hippocampal Therapeutic Effect of Prunetin in Uremic Encephalopathy: Modulation of the RUNX2 Axis, TLR4 Cascade, Necroptosis, and Mitochondrial Dysfunction. *Archiv der Pharmazie*, 358(9).
343. Hamed, F. M., Elsayed, H. E., Mady, M. S., Ali, M. E., Ahmed, A. A., Elgayed, S. H., . . . Moharrar, F. A. (2025). Polyphenolic profile, hepatoprotective evaluation, and molecular docking study of three palm tree species (Family Arecaceae). *Saudi Pharmaceutical Journal*, 33(4).
344. Hamza, D. A., & Zaher, H. M. (2025). Carriage of Rifampicin- and Multidrug-Resistant *Pseudomonas aeruginosa* in Apparently Healthy Camels: A View Through a Zoonosis Lens. *Microbiology Research*, 16(6).
345. Han, Y., Liu, X., Sheng, W., Kuang, R., Zhang, Y., Jia, X., . . . Ma, Y. (2025). Cytoplasmic HMGB1 promotes and interacts with BECN1 through ZNF460 to induce autophagy and accelerate radioresistance in colorectal cancer cells. *Frontiers in Immunology*, 16.
346. Hanna, M. I., El Sayed, A. T., Abd El Megeed, O. H. A., Ibrahim, M. A., Korany, R. M. S., & Attia, M. M. (2025). Assessment of a new protocol strategy to control the ectoparasitic infestation in Nile tilapia (*Oreochromis niloticus*) using efficient natural products. *BMC Veterinary Research*, 21(1).
347. Hashem, F. S., Salam, A. T. A., & Monir, D. (2025). Mechanical properties and durability of slag granite geopolymer cement incorporated zirconium aluminum layered double hydroxide. *Scientific Reports*, 15(1).
348. Hashem, F. S., Selim, F. A., Hazem, M. M., Abdel Salam, A. T., Monir, D., & Hassan, H. S. (2025). From waste to green binder: Valorization of industrial byproduct and natural wood fibers waste for sustainable geopolymer composite. *Journal of Building Engineering*, 110.
349. Hashem, M. M., Hassanen, E. I., Hassan, N. H., Ibrahim, M. A., Issa, M. Y., Farag, M. A., & Hamdy, S. A. (2025). *Physalis peruviana* calyces extract ameliorate oxidative stress, inflammation, and immune loss in rats-exposed to hexaflumuron. *BMC Complementary Medicine and Therapies*, 25(1).
350. Hashem, S. M., Abdel-Kader, F., Ismael, E., Hassan, A. M., Farouk, M. M., El-Hariri, M., & Elhelw, R. (2025). Evidence of hypervirulent carbapenem-resistant *Klebsiella pneumoniae* in cats with urinary affections and associated humans in Egypt. *Scientific Reports*, 15(1).
351. Hassan, N. H., Ismael, E., & Elleithy, E. M. M. (2025). EFFECTS OF EUBIOTIC LIGNOCELLULOSE SUPPLEMENTAION ON PRODUCTION, BLOOD BIOMARKERS, INTESTINAL HEALTH, AND LITTER QUALITY IN BROILER CHICKENS. *Journal of Microbiology, Biotechnology and Food Sciences*, 15(3), 1-7.
352. Hassan, N. H., Kamel, G. M., Fayed, H. M., Korany, R. M. S., & Ramadan, A. (2025). Dapagliflozin alleviates thioacetamide induced-liver fibrosis in rats via controlling the Nrf2/HO-1 and TLR4/TGF-β1/PI3K signaling pathways. *Immunopharmacology and Immunotoxicology*, 47(3), 392-405.
353. Hassan, N. H., Kamel, G. M., Fayed, H. M., Korany, R. M. S., & Ramadan, A. (2025). Ertugliflozin, a SGLT-2 Inhibitor, Guards Against Thioacetamide-induced Liver Fibrosis: The Nrf2/HO-1 and TLR4/TGF-β1 Pathways. *Journal of Applied Veterinary Sciences*, 10(3), 34-47.
354. Hassan, R. M., ElZayat, E. M., Eid, J. I., Abdelgayed, S. S., & Hosney, M. (2025). Protective effects of *Moringa oleifera* leaf extract against cyclophosphamide-induced ovarian dysfunction and follicular loss in rats. *Tissue and Cell*, 95.
355. Hassan, T. A., Abouelela, Y. S., Ahmed, Z. S. O., Ibrahim, M. A., Rizk, H., & Tolba, A. (2025). Reconstruction of rabbit corneal epithelium using adipose and / or bone marrow stem cells. *Experimental Eye Research*, 251.
356. Hassan, T. A., Abouelela, Y. S., Rizk, H., & Tolba, A. (2025). Potential therapeutic applications of stem cells in animal models of ocular affections. *Inflammation and Regeneration*, 45(1).
357. Hassan, Z., Amen, R. M., Elabd, H., Abdelwarith, A. A., Younis, E. M., Elshopakey, G. E., . . . Elsheshtawy, H. M. (2025). Dietary Protective Influence of *Petroselinum crispum* Nanoparticles on Some Biochemical, Reproductive Hormones, and Physiological Biomarkers of Female *Clarias gariepinus* (Burchell, 1822) Exposed to Bisphenol A Toxicity. *Aquaculture Research*, 2025(1).
358. Hassan, Z. R., Mahmoud, E. M., Shaaban, Y. M., Elshora, S. Z., Salama, D. E. A., Abdelgalil, R. M., . . . Khamis, G. (2025). Ameliorative Effects of Blue LED Irradiated and Non-Irradiated Fenugreek Seed Extracts on Murine Trichinosis. *Acta Parasitologica*, 70(3).
359. Hassanen, E. I., Hassan, M. H., & Hussien, A. M. (2025). Potential risks prompted from epicutaneous and intranasal exposure to indoxacarb in rats. *Toxicology and Applied Pharmacology*, 503.
360. Hassanen, E. I., Hassan, N. H., Hussien, A. M., Ibrahim, M. A., & Ali, M. E. (2025). Betaine alleviates methomyl-triggered oxidative stress-mediated cardiopulmonary inflammation in rats through iNOS/Cox2 and Nrf2/HO1/Keap1 signaling pathway. *Toxicology and Applied Pharmacology*, 495.
361. Hassanen, E. I., Hassan, N. H., Mehanna, S., Hussien, A. M., Ibrahim, M. A., Mohammed, F. F., & Farrah, K. Y. (2025). Oral supplementation of curcumin-encapsulated chitosan nanoconjugates as an innovative strategy for mitigating nickel-mediated hepatorenal toxicity in rats. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 398(7), 8653-8668.
362. Hassanen, E. I., Mohamed, W. A., Khalefa, H., Ali, G. E., & Mahmoud, M. A. (2025). The effect of long-term exposure to single and mixed mineral ions related to water hardness on Nile tilapia (*Oreochromis niloticus*). *Fish Physiology and Biochemistry*, 51(4).
363. He, F., Wang, W., Su, F., Du, P., Liu, Y., Hu, P., . . . Abd El-Aty, A. M. (2025). Development of a cofactor-dependent enzymatic ligation-triggered rolling circle amplification-assisted CRISPR-Cas12a strategy

- for ATP detection via a personal glucometer in meat freshness evaluation. *Innovative Food Science and Emerging Technologies*, 106.
364. He, J., Cheng, K., Yang, Z., Geng, J., Jin, W., & Abd El-Aty, A. M. (2025). Characterization of carotenoids and flavonoids in Yangxian pigmented rice varieties through LC-MS/MS-based targeted metabolomics and multivariate statistics. *Current Research in Food Science*, 11.
365. Hegab, D. Y., El-Sharkawy, N. I., Moustafa, G. G., Abd-Elhakim, Y. M., Said, E. N., Metwally, M., & Saber, T. M. (2025). Pumpkin seeds oil rescues colchicine-induced neurotoxicity in rats via modifying oxidative stress, DNA damage, and immunoexpression of BDNF and GFAP. *Tissue and Cell*, 94.
366. Helal, M. H., Ali, A. N., Hamdy, Y., Shoukheba, M. Y. M., Ali, K. M., & Aboushelib, M. N. (2025). β -tricalcium phosphate/gelatin composite scaffolds incorporated with gentamycin-loaded chitosan microspheres for periodontal regeneration in class II furcation defects in dogs. *Clinical Oral Investigations*, 29(11).
367. Helal, M. H., Alsharif, A. A., Hamdy, Y., Shoukheba, M. Y. M., Ali, K. M., Abdelfattah, M. Y., & Aboushelib, M. N. (2025). A novel approach utilizing B-tricalcium phosphate/gelatin composite scaffolds incorporated with gentamycin-loaded chitosan microspheres for periodontal regeneration in two-wall intra bony defects. *Journal of Oral Biology and Craniofacial Research*, 15(6), 1696-1709.
368. Helmy, M., Adel, A., Hassan, A., & Doghim, R. (2025). Molecular, Histopathological, and Immunohistochemical Characteristics of Fowl Adenovirus, Serotype 7 (Species E), in Egyptian Broiler Breeders: First Report. *Egyptian Journal of Veterinary Science*, 56(9), 2169-2186.
369. Helmy, N. A., Abdel-Aziz, E. A., Abd El Raouf, M. A., Korany, R. M. S., Mansour, D. A., Baraka, S. M., . . . Selim, S. (2025). Revealing the impact of tadalafil-loaded proniosomal gel against dexamethasone-delayed wound healing via modulating oxido-inflammatory response and TGF- β /Macrophage activation pathway in rabbit model. *PLOS ONE*, 20(1).
370. Hendawy, A. S., Abdel-Aal Sabra, A. N. A., George, M. Y., Rashad, E., El-Demerdash, E., & Botros, S. S. (2025). The antifibrotic effect of Vildagliptin and Diaminodiphenyl Sulfone in murine schistosomiasis mansoni. *Scientific Reports*, 15(1).
371. Hossny, A., Hassan, H. A. F. M., Fahmy, S. A., Abdelazim, H., Kamel, M. M., Osman, A. H., & Ibrahim, S. A. (2025). EXT1 as an Independent Prognostic Biomarker in Breast Cancer: Its Correlation with Immune Infiltration and Clinicopathological Parameters. *Immuno*, 5(1).
372. Huang, Y., Guo, H., Liu, Y., Jin, W., Palanisamy, C. P., Pei, J., . . . Abd El-Aty, A. M. (2025). Effects of Natural Polysaccharides on the Gut Microbiota Related to Human Metabolic Health. *Molecular Nutrition and Food Research*, 69(11).
373. Ibrahim, A. S., Awaad, S. S., Shehta, H. A., & Hegab, O. W. (2025). Dietary Exposure and Health Risk Assessment of Selected Toxic and Essential Metals in Various Flavored Dairy Products. *Biological Trace Element Research*.
374. Ibrahim, B., El-Wakil, E. S., Esmat, M., Elghareeb, A., Ghareeb, M., Assem, M., & Kamel, N. (2025). Therapeutic impact of Citrus paradisi peel extract on muscular trichinellosis: An in vivo study. *Journal of Helminthology*, 99.
375. Ibrahim, D., Khater, S. I., Sherkawy, H. S., Elgamal, A., Hasan, A. A., Muhammed, A. A., . . . El-Emam, M. M. A. (2025). Protective Role of Nano-encapsulated Bifidobacterium breve, Bacillus coagulans, and Lactobacillus plantarum in Colitis Model: Insights Toward Propagation of Short-Chain Fatty Acids and Reduction of Exaggerated Inflammatory and Oxidative Response. *Probiotics and Antimicrobial Proteins*, 17(6), 5122-5147.
376. Ibrahim, D., Pet, I., Sherkawy, H. S., Eldoumani, H., Fathy, O. M., Elgamal, A., . . . Abdelfattah-Hassan, A. (2025). Crosstalk between MSC-extracellular vesicles and Olea europaea leaf extract in encapsulated liposomal hydrogel: attenuation of neuroinflammation and brain neurotransmitter and memory impairment associated with obesity-induced high-fat diet. *Frontiers in Pharmacology*, 16.
377. Ibrahim, M. M., Seifelnasr, E., Ibrahim, M. A., Hassan, E. I., Morsi, A. S., & Bakeer, M. R. (2025). Linking Ghrelin Elevation to Reproductive Dysfunction: Insights from Feed-Restricted Male Rats. *Reproductive Sciences*, 32(9), 3141-3153.
378. Ibrahim, M. M., Seifelnasr, E., Morsi, A. S., Ibrahim, M. A., & Bakeer, M. R. (2025). A Comparative Study on the Effects of Dietary Supplementation with Garlic (Allium Sativum) and Clove (Syzygium Aromaticum) on Ghrelin Levels and Some Physiological Parameters. *Egyptian Journal of Chemistry*, 68(12), 601-608.
379. Ibrahim, R. E., Farag, M. F. M., Sobh, M. S., Abdelwarith, A. A., Younis, E. M., Bazeed, S. M., . . . Rahman, A. N. A. (2025). Ameliorative potential of Populus alba leaf powder against hexaflumuron exposure in Nile tilapia: immune-antioxidant, biochemical, histological, and transcriptomic analysis. *Fish Physiology and Biochemistry*, 51(2).
380. Ibrahim, R. E., Shaalan, M., ElHady, M., Ghetas, H. A., Elsayed, F. I., Younis, E. M., . . . Rahman, A. N. A. (2025). Potential role of dietary white poplar (Populus alba L.) in stimulating growth, digestion, and antioxidant/immune status of Nile tilapia (Oreochromis niloticus). *BMC Veterinary Research*, 21(1).
381. Ibrahim, R. A., Al-Maghraby, O. M., Elmossalami, M. K., Malak, N. M. L., & Mashaly, M. M. (2025). Determination of some food additives, chemical composition, bacteriological quality, and physicochemical examination of some meat products. *Egyptian Journal of Chemistry*, 68(1), 291-301.
382. Ismael, E., Kamel, S., Elleithy, E. M. M., Bekeer, M. R., & Fahmy, K. N. E. D. (2025). Comparative effects of dietary sodium butyrate and tributyrin on broiler chickens' performance, gene expression, intestinal histomorphometry, blood indices, and litter. *Scientific Reports*, 15(1).
383. Izenour, K., Salib, F. A., Eckert, J., Jesudoss Chelladurai, J. R. J., Starkey, L., Blagburn, B., . . . Zohdy, S. (2025). A meta-analysis on Dirofilaria immitis and Dirofilaria repens in countries of North Africa and the Middle East. *Parasitology*, 152(4), 347-365.
384. Jiao, X., Cheng, J., Yao, J., Wang, M., Du, J., Wang, J., . . . Abd El-Aty, A. M. (2025). Characteristic aroma compounds and relative activity values of five monofloral honeys analyzed using HS-SPME/GC \times GC-TOFMS and chemometric methods. *Journal of Food Composition and Analysis*, 142.
385. Kamal, M. A., Salem, H. M., Alhotan, R. A., Hussein, E. O., Gálik, B., Saleh, A. A., & Kaoud, H. A. (2025). Unraveling Antimicrobial Resistance Dynamics in Mycoplasma gallisepticum: Insights Into Antibiotic and Disinfectant Interactions. *Veterinary Medicine and Science*, 11(1).
386. Kamal, M. A. M., Khalif, M. A., Ahmed, Z. A. M., Eljakee, J., Mahmoud, H. E., Alhotan, R. A., . . . Saleh, A. A. (2025). Effects of Drinking Water Quality Parameters on Egyptian Cattle Farm Performance Indicators. *Veterinary Medicine and Science*, 11(2).
387. Kamal, M. A. M., Khalif, M. A., Mohamed, Z. A., Eljakee, J., Soliman, S. M., Alhotan, R. A., . . . Saleh, A. A. (2025). Seasonal Variations Alter Drinking Water Quality at Different Points in The water Distribution Systems of Cattle Farms in Egypt. *Egyptian Journal of Veterinary Science*, 56(4), 757-768.
388. Kamel, A. S., Mohamed, A. F., Rabie, M. A., Elsherbiny, M. E., Ahmed, K. A., Khattab, M. M., & Abdelkader, N. F. (2025). Correction to: Experimental Evidence for Diiodohydroxyquinoline-Induced Neurotoxicity: Characterization of Age and Gender as Predisposing Factors (Pharmaceuticals, (2022), 15, 2, (251), 10.3390/ph15020251). *Pharmaceuticals*, 18(5).
389. Kamel, M. S., Aleya, S., Almagharbeh, W. T., Aleya, L., & Abdel-Daim, M. M. (2025). The emergence of highly pathogenic avian influenza H5N1 in dairy cattle: implications for public health, animal health, and pandemic preparedness. *European Journal of Clinical Microbiology and Infectious Diseases*, 44(8), 1817-1833.
390. Kamel, M. S., Aleya, S., Louzon, M., & Aleya, L. (2025). Spirulina as a natural shield: a comprehensive review of its protective effects against lead toxicity. *Archives of Toxicology*, 99(9), 3579-3610.
391. Kamel, M. S., & Bakry, N. M. (2025). Udder health, infection, and its management (pp. 141-163).
392. Kamel, M. S., Davidson, J. L., Schober, J. M., Fraley, G. S., & Verma, M. S. (2025). A paper-based loop-mediated isothermal amplification assay for highly pathogenic avian influenza. *Scientific Reports*, 15(1).
393. Kamel, N. A., Bashir, D. W., El-Leithy, E. M. M., Tohamy, A. F., Rashad, M. M., Ali, G. E., & El-Saba, A. A. A. (2025). Polyethylene terephthalate nanoplastics-induced neurotoxicity in adult male Swiss albino mice with amelioration of a histopathological, neurochemical, and molecular investigation. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 398(7), 9323-9339.
394. Kamel, R., El-Sayed, S. A. M., Mabrouk, M., Behere, H. H., El-Wakil, N. A., Abdel-Rahman, R. F., . . . Elkasabgy, N. A. (2025). Nanofibrillated cellulose injectable implants loaded with Raloxifene hydrochloride and bioactive glass nanoparticles for bone regeneration: in-vitro and in-vivo study. *Journal of Drug Delivery Science and Technology*, 111.
395. Kandeil, M. A., Mohammed, E. T., Ibrahim, M. A., Radi, R. A., Gamal, A., Abdel-Razik, A. R. H., . . . Sabry, D. (2025). Formulation and Evaluation of Astaxanthin-Loaded Invasomes as Therapeutic Approaches for Alzheimer's Disease Induced in Rats: Role of SIRT-1/BDNF/miRNA-134/GSK-3 β Signaling. *Molecular Neurobiology*, 62(12), 16189-16208.
396. Kanu, L. N., Chatterjee, A., Mahmoud, M. Y., Mudigunda, S. V., Gupta, S., Yeung, V., . . . Ciolino, J. B. (2025). Uptake Inhibition to Improve Bioavailability of Nanoparticle-Mediated Growth Factor Delivery to the Corneal Epithelium. *ACS Pharmacology and Translational Science*, 8(7), 2247-2257.
397. Kaoud, H. A. E., & Khalil, M. M. (2025). Effect of the Synergism Among Nano-particles, Antibiotics and Biocides on Salmonella Typhimurium Strains, "A Comprehensive Study". *Journal of Applied Veterinary Sciences*, 10(2), 86-97.
398. Karmoty, A. F. E., Fathi, M., Emam, I. A., Tolba, A., Abdelnaby, E. A., Alhaider, A. K., & Abouelela, Y. S. (2025). Alterations in the penile artery blood flow hemodynamics and hormonal profile in jacks (Equus asinus) after a single administration of human chorionic gonadotropin (hCG). *BMC Veterinary Research*, 21(1).
399. Kassem, A., Khattab, M. S., Ismael, E., & Osman, A. H. (2025). Impact of climate change on ruminant health and Emerging Diseases in Egypt. *Journal of Applied Veterinary Sciences*, 10(3), 106-117.
400. Kassem, A., Khattab, M. S., Ismael, E., Yassin, A. M., Hamza, D. A., & Osman, A. H. (2025). Climate change and the emergence of Rift Valley fever virus: a pathological and environmental study of sheep jaundice in Egyptian slaughterhouses. *BMC Veterinary Research*, 21(1).
401. Kassem, A., Taha, E. F. S., Hassan, A., Ibrahim, M. A., & Osman, A. H. (2025). Sodium thiosulfate (hydrogen sulfide donor) ameliorates the pancreatic and liver damage induced by cyclophosphamide

- and/or ionizing gamma radiation in male albino rats. *BMC Pharmacology and Toxicology*, 26(1).
402. Khalefa, H., Arafa, A. A., Hamza, D. A., Abd El-Razik, K. A., & Ahmed, Z. (2025). Emerging biofilm formation and disinfectant susceptibility of ESBL-producing *Klebsiella pneumoniae*. *Scientific Reports*, 15(1).
403. Khalefa, H., Laban, S. E., & Ali, A. M. (2025). EVALUATION OF IN-VITRO EFFICACY OF THREE TYPES OF DISINFECTANTS AGAINST BIOFILM FORMATION ON DIFFERENT POULTRY CONTACT SURFACES. *Assiut Veterinary Medical Journal (Egypt)*, 71(186), 195-209.
404. Khalefa, H. S., Elkesh, A., Khattab, M. S., Fouda, A., Salem, H. M., Alamoudi, S. A., . . . Ali, A. M. (2025). Salmonella in broiler chickens: Biofilm formation, disinfectant resistance, and contribution to microbial risk in housing environments. *Pakistan Veterinary Journal*, 45(3), 1179-1189.
405. Khalid, E., Tartor, Y. H., Ammar, A. M., Abdelaziz, R., Mahmmod, Y., & AbdelKhalek, A. (2025). Controlling drug-resistant bacteria in Arabian horses: bacteriophage cocktails for treating wound infections. *Frontiers in Veterinary Science*, 12.
406. Khalifa, M., Fayed, R. H., Ahmed, Y. H., Abdelhameed, M. F., Essa, A. F., & Khalil, H. M. A. (2025). Ferulic acid ameliorates bisphenol A (BPA)-induced Alzheimer's disease-like pathology through Akt-ERK crosstalk pathway in male rats. *Psychopharmacology*, 242(3), 461-480.
407. Khalifa, M., Khalil, H. M. A., Rashad, E., El Henafy, H. M. A., & Fayed, R. H. (2025). Dual-parent di-(2-ethylhexyl) phthalate (DEHP) exposure: A multigenerational assessment of neurocognitive outcomes in male pups. *Food and Chemical Toxicology*, 204.
408. Khalifa, M. M., Fouad, E. A., Abdelsalam, M., & Attia, M. M. (2025). Prevalence, molecular characterization, and physiological impacts of *Theileria annulata* in bovines across three Egyptian governorates. *Microbial Pathogenesis*, 204.
409. Khalifa, M. M., Mohamed, H. I., Ramadan, R. M., Youssef, F. S., El-Bahy, M. M., & Abdel-Radi, S. (2025). Smart application of silver nanoparticles in the treatment of chicken coccidiosis in combination with special supplement to alleviate its toxicity. *Veterinary Parasitology*, 336.
410. Khalifa, M. M., Salem, M. A., Fouad, E. A., Bakry, N. M., Kamel, M. S., El-Bahy, M. M., & Ramadan, R. M. (2025). Vector-borne pathogens in dogs in Egypt: Molecular and immunological insights. *Research in Veterinary Science*, 189.
411. Khalil, H. M. A., El Henafy, H. M. A., Khalil, I. A., Bakr, A. F., Fahmy, M. I., Younis, N. S., & El-Shiekh, R. A. (2025). Correction to: Hypericum perforatum L. Nanoemulsion Mitigates Cisplatin-Induced Chemobrain via Reducing Neurobehavioral Alterations, Oxidative Stress, Neuroinflammation, and Apoptosis in Adult Rats (*Toxics*, (2023), 11, 2, (159), 10.3390/toxics11020159). *Toxics*, 13(6).
412. Khalphallah, A., Almuhanha, A. H., Abdulkarim, A., Khesruf, K. A., Abd-Elhafez, E. A., El-Deeb, W., . . . Elmeligy, E. (2025). Diagnostic significance of clinical scoring system and serum lipid profiles as recovery indicators in ketotic dairy cattle using hormonal-steroids-carbohydrates therapeutic protocol. *Open Veterinary Journal*, 15(4), 1719-1733.
413. Khamis, T., Ibrahim, A. A., Saad Ali, L., El-Shal, A. S., Abdallah, S. H., Alanazi, A., . . . Sarhan, W. M. (2025). Bone marrow MSCs-derived exosomes (BM-MSCs-Exo) expressed mir-181, mir-24, mir-9, mir-29, mir-338, and mir-486 ameliorated hepatic fibrosis in male rats via altering the expression of Menin-1/TGF- β /smad pathway. *European Journal of Pharmacology*, 1007.
414. Khan, S. A., Ma, X., Jermain, S. V., Ali, H., Khalil, I. A., El Fouly, M., . . . Williams, R. O. (2025). Corrigendum to "Sustained release biocompatible ocular insert using hot melt extrusion technology: Fabrication and in-vivo evaluation" (*Journal of Drug Delivery Science and Technology*, (2022), 71, C, (103333), (S177322472200243X), 10.1016/j.jddst.2022.103333). *Journal of Drug Delivery Science and Technology*, 112.
415. Khan, Y., Gautier, C., Aurich, C., & El-Shalofy, A. (2025). Treatment of luteal phase mares with the aromatase inhibitor letrozole does not change characteristics of the estrous cycle, ovarian function, and embryo characteristics. *Research in Veterinary Science*, 197.
416. Khereldin, R. M., Abouelela, Y. S., Yasin, N. A. E., Youssef, F. S., Abdelhameed, M. I., Tohamy, A. F., . . . Daghash, S. M. (2025). Comparing the therapeutic influence of bone marrow Mesenchymal stem cells versus its derived exosomes against diabetic hepatopathy in rats. *Experimental Cell Research*, 447(1).
417. Kher-Eldin, R. M., Abouelela, Y. S., Youssef, F. S., Rizk, H., & Daghash, S. M. (2025). Ameliorative Effect of Nanoparticles with Trials for Treatment against Diabetic Hepatopathy Systemic Review. *Egyptian Journal of Veterinary Science*, 56(8), 1823-1842.
418. Khormi, M. A., Emeish, W. F. A., Alghamdi, A. A. A., Fawaz, M. M., Al-Amgod, Z., Abdelsalam, M., . . . Bakry, K. A. (2025). Pathophysiological impact of *Euclenostomum heterostomum* infection in Nile tilapia (*Oreochromis niloticus*): a multidisciplinary investigation revealing immune-oxidative stress interactions. *Aquaculture International*, 33(6).
419. Kilic-Erkek, O., Gündoğdu, G., Anber, T., Akça, H., Dodurga, Y., & Abd El-Aty, A. M. (2025). Alternate-Day Fasting Modulates Endoplasmic Reticulum Stress and Lipid Metabolism in Young and Middle-Aged Rats. *Bratislava Medical Journal*, 126(7), 1319-1331.
420. Kishta, M. S., Am, A. M., Hydara, T., Hamed, Z., Bahr, M. M., Shamaa, A. A., & Abdallah, A. N. (2025). The transforming role of wharton's jelly mesenchymal stem cell-derived exosomes for diabetic foot ulcer healing: a randomized controlled clinical trial. *Stem Cell Research and Therapy*, 16(1).
421. Ko, J. H., Jung, T. W., Pyo, M. K., Lim, D. S., Gwon, H. J., Abd El-Aty, A. M., . . . Jeong, J. H. (2025). Senkyunolide A mitigates lipid deposition in hyperlipidemic hepatocytes through SIRT6-mediated suppression of oxidative stress and fetuin-A. *Biochemical and Biophysical Research Communications*, 771.
422. Kozman, M. R., Ewees, M. G. E. D., Ahmed, Y. M., El-Shoura, E. A. M., Alqahtani, S. M., Ahmed, L. K., . . . Atwa, A. M. (2025). Nicorandil attenuates thioacetamide induced liver fibrosis via AMPK, SIRT1 and HIF1 α mediated cellular energy homeostasis. *Scientific Reports*, 15(1).
423. Laban, S. E., Arafa, A. A., Ibrahim, E. S., Fe, E., & Khalefa, H. (2025). Dry Biofilm Formation, Mono-and Dual-attachment, on Plastic and Galvanized Surfaces by *Salmonella typhimurium* and *Staphylococcus aureus* Isolated from Poultry House. *International Journal of Veterinary Science*, 14(1), 25-31.
424. Labib, M. A., Saeed, O. S., Elsharkawy, S. H., Khattab, M. S., Elzorba, H. Y., & Abo-El-Sooud, K. (2025). Ameliorative effects of Berberine chloride against 5-fluorouracil-induced cardiotoxicity in Sprague Dawley rats. *Scientific Reports*, 15(1).
425. Laithy, M. S. U. A., Darrag, A. M., Shaheen, N. A., Ali, K. M., & AbuAli, S. Y. (2025). Furcation perforation repair using thermosensitive chitosan hydrogel as a matrix in dog's teeth. *Tanta Dental Journal*, 22(3), 433-438.
426. Lebdah, M. A., Eid, A. A. M., ElBakrey, R. M., El-Gohary, A. E., Mousa, M. R., Gouda, H. F., . . . Seadawy, M. G. (2025). Novel goose parvovirus in naturally infected ducks suffering from locomotor disorders: molecular detection, histopathological examination, immunohistochemical signals, and full genome sequencing. *Avian Pathology*, 54(2), 241-254.
427. Lebdah, M. A., Eid, A. A. M., ElBakrey, R. M., El-Gohary, A. E., Seadawy, M. G., Mousa, M. R., . . . Helal, S. S. (2025). Egyptian Novel Goose Parvovirus in Immune Organs of Naturally Infected Ducks: Next-Generation Sequencing, Immunohistochemical Signals, and Comparative Analysis of Pathological Changes Using Multiple Correspondence and Hierarchical Clustering Approach. *Viruses*, 17(1).
428. Lee, C. H., Cho, W., Lim, D. S., Gwon, H. J., Abd El-Aty, A. M., Jeong, J. H., & Jung, T. W. (2025). Urolithin A attenuates apoptosis and ferroptosis in hyperlipidemic tenocytes through PPARS/ALDH2-mediated antioxidant signaling. *Tissue and Cell*, 93.
429. Li, Q., Zhang, L., Zhang, X., Zhang, J., Zhang, S., Xu, T., . . . Abd El-Aty, A. M. (2025). Innovative emulsification and freeze-drying techniques for developing heat-resistant chocolates with tunable textures and sensory attributes. *Food Chemistry*, 493.
430. Li, X., Abd El-Aty, A. M., Ju, X., & Yong, Y. (2025). Host-Microbe Interactions: Prospects of Machine Learning and Deep Learning Technologies in Animal Viral Disease Management. *Veterinary Sciences*, 12(12).
431. Li, X., Wang, H., Abdelrahman, H. A., Kelly, A. M., Roy, L. A., Soto, E., & Wang, L. (2025). Resistome and microbiome shifts in catfish rearing water: the influence of temperature and antibiotic treatments. *Water Research*, 285.
432. Li, Y., Li, J., Su, W., Abd El-Aty, A. M., Song, Y., & Tan, M. (2025). Green-synthesized curcumin-zinc nanocomplexes: Enhanced antioxidant/antibacterial activity and pH-Responsive release properties. *Food Bioscience*, 73.
433. Li, Y., Li, J., Su, W., El-Aty, A. M. A., Song, Y., & Tan, M. (2025). Corrigendum to "Green-synthesized curcumin-zinc nanocomplexes: Enhanced antioxidant/antibacterial activity and pH-responsive release properties" [*Food Bioscience* 73 (2025) 107698] (*Food Bioscience* (2025) 73, (S2212429225018759), (10.1016/j.fbio.2025.107698)). *Food Bioscience*, 74.
434. Lim, D. S., Ahn, S. H., Cho, W., Gwon, H. J., Ko, J. H., Pyo, M. K., . . . Jung, T. W. (2025). Myricetin promotes migration and prevents palmitate-induced apoptosis in cultured tenocytes through AMPK-dependent pathways. *Biochemical and Biophysical Research Communications*, 762.
435. Lim, D. S., Ahn, S. H., Cho, W., Gwon, H. J., Ko, J. H., Pyo, M. K., . . . Jung, T. W. (2025). Ginsenoside Rg5 mitigates tenocyte death via SIRT6/autophagy-dependent signaling in an aging model. *Journal of Ginseng Research*.
436. Lim, D. S., Ahn, S. H., Gwon, H. J., Cho, W., Abd El-Aty, A. M., Aydemir, H. A., . . . Jeong, J. H. (2025). Resolvin D5: A lipid mediator with a therapeutic effect on hepatic steatosis through SIRT6/autophagy. *Tissue and Cell*, 96.
437. Liu, B., Chen, G., Abd El-Aty, A. M., Zhai, R., Liu, G., Xu, X., . . . Xu, D. (2025). Advances of functional nucleic acids based on specific recognition: A review. *International Journal of Biological Macromolecules*, 304.
438. Liu, K., Tian, X., Fei, S., Song, Y., Abd El-Aty, A. M., & Tan, M. (2025). Macrophage and mitochondrion dual-targeting astaxanthin nanoparticles prepared by Maillard reaction for colonic inflammation

- alleviation. *Marine Life Science and Technology*, 7(2), 352-365.
439. Liu, K., Xing, S., Abd El-Aty, A. M., & Tan, M. (2025). Precision nutrition based on food bioactive components assisted by delivery nanocarriers for ocular health. *Trends in Food Science and Technology*, 157.
440. Liu, S., Li, Q., Wang, Y., Yu, X., Li, S., Geng, R., . . . Abd El-Aty, A. M. (2025). Unveiling the formation capacity and characterization of pentacyclic triterpene-structured oleogels: Role of the molecular configuration and oil profile. *Food Research International*, 203.
441. Liu, S., Lin, H., Xie, H., Chen, Y., Shang, X., Yong, Y., . . . Abd El-Aty, A. M. (2025). Chitosan-based metal-organic frameworks for improving the oral delivery and antibacterial activity of natural flavonoids. *International Journal of Biological Macromolecules*, 334.
442. Liu, S., Lin, H., Xie, H., Liang, Y., Liu, L., Yong, Y., . . . Abd El-Aty, A. M. (2025). Green synthesis of a β -cyclodextrin metal-organic framework carrier to enhance the biocompatibility and antibacterial activity of 4-hydroxybenzoxazole-2(3H)-thioiketone derived from *Acanthus ilicifolius linnaeus*. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 722.
443. Louzon, M., Bertocini, T., Casañas, N., Perrette, Y., Plassart, G., Quiers, M., . . . Aleya, L. (2025). Laser-Induced Solid-Phase UV Fluorescence Spectroscopy for Rapid Detection of Polycyclic Aromatic Hydrocarbons in the Land Snail Bioindicator, *Cantareus aspersus*. *Biosensors*, 15(7).
444. Lu, Z., Zhou, Y., Li, C., Abd El-Aty, A. M., Liu, C., Luan, X., . . . Wang, G. (2025). Multiomics profiles of genome-wide alterations in H3K27ac in different lung lobes after acute graft-versus-host disease with MSCs treatment. *Frontiers in Immunology*, 16.
445. Ma, Y., Ye, C., Khalil, A. M., Mahmoud, S. H., Sobolik, E. B., Greninger, A. L., . . . Martínez-Sobrido, L. (2025). A luminescent attenuated SARS-CoV-2 for the identification and validation of drug-resistant mutants. *Journal of Virology*, 99(9).
446. Maarouf, R. E., Azab, K. S., Abdel-Rafei, M. K., Mansour, S. Z., Abubakr, A., Abdelgayed, S. S., . . . El Bakary, N. M. (2025). Nattokinase Mitigates Myocardial Damage and Renal Dysfunction in γ -Irradiated Rats Treated with Isoproterenol. *Natural Product Communications*, 20(4).
447. Madbouly Taha, N. M., Salem, M. A., El-Saied, M. A., Mohammed, F. F., Kamel, M. S., El-Bahy, M. M., & Ramadan, R. M. (2025). Multifaceted analysis of equine cystic echinococcosis: genotyping, immunopathology, and screening of repurposed drugs against *E. equinus protoscolices*. *BMC Veterinary Research*, 21(1).
448. Mahboub, H. H., Rahman, A. N. A., Elazab, S. T., Abdelwarith, A. A., Younis, E. M., Shaalan, M., . . . Gaballa, M. M. S. (2025). Nano-chitosan hydrogel alleviates *Candida albicans*-induced health alterations in Nile tilapia (*Oreochromis niloticus*): antioxidant response, neuro-behaviors, hepato-renal functions, and histopathological investigation. *BMC Veterinary Research*, 21(1).
449. Maher, N., Ezzat, G. A., Darwish, S. F., & Ragab, E. (2025). Molecular Insights and Virulence Genes Profiling of Some *Vibrio* Species Isolated from Commonly Consumed Seafood and Their Implications on Seafood Quality. *Journal of Applied Veterinary Sciences*, 10(3), 78-89.
450. Mahmoud, G. A. E., Ahmed, L. I., Bougafa, F. H. E., Barakat, H. M., Nofal, A. S., & Badawy, M. S. E. M. (2025). Unique Enzymatic Power of Microbial Cleaners During the Soil Bioremediation Process. *Environmental Science and Engineering (Vol. Part F256, pp. 303-334)*.
451. Mahmoud, G. A. E., Badawy, M. S. E. M., Bougafa, F. H. E., Barakat, H. M., & Ahmed, L. I. (2025). Environmental risks of plastics pollutants and their mycoremediation strategies (pp. 69-89).
452. Mahmoud, G. A. E., Fahim, K. M., Taher, E. M., Hassan, B. M., Nadi, W. G., & Ahmed, L. I. (2025). Artificial intelligence (AI) implementation in the food industry as a promising tool for protecting food from microbes. *Methods in Microbiology* (Vol. 56, pp. 57-97).
453. Mahmoud, M. A., Ibrahim, M., Alhizab, F. A., & Aljazzar, A. (2025). Fibromas and a fibro-osteoma in four commercial fish species from water of the Arabian Gulf. *Bulletin of the European Association of Fish Pathologists*, 45(2).
454. Mahmoud, S. H., Khattab, M. S., Yehia, N., Zanaty, A., Arafa, A. E. S., & Khalil, A. A. (2025). Pathogenicity of Highly Pathogenic Avian Influenza A/H5Nx Viruses in Avian and Murine Models. *Pathogens*, 14(2).
455. Malak, N. M. L., Abdel-Naeem, H. H. S., Abdelsalam, A. A., & Ezzat, G. A. (2025). A comparative study concerning the sensory, physicochemical, bacteriological, nutritional quality, heavy metal content, and health risk assessment of some low-cost fish species. *Food Control*, 169.
456. Malika, M., Brahim, M. B., Kamel, M. S., Hamza, A., Louzon, M., Aleya, L., & Trabelsi, L. (2025). Plasticsphere dynamics in Mediterranean aquaculture: Microbial colonization and pollution in fish farm cages. *Marine Environmental Research*, 212.
457. Mandour, A. S., Samir, H., Farag, A., Hamabe, L., Matsuura, K., Yoshida, T., . . . Tanaka, R. (2025). Concomitant changes in regional myocardial deformation and intraventricular pressure gradients in normal and sedated goats: advanced multimodal echocardiographic study. *BMC Veterinary Research*, 21(1).
458. Marei, W. F. A., Moorkens, K., Gansemans, Y., Van Nieuwerburgh, F., & Leroy, J. L. M. R. (2025). Acute and long-term transcriptomic responses of granulosa cells to obesogenic diet and concomitant effects on oocyte quality: insight from an outbred mouse model. *Biology of Reproduction*, 112(4), 692-708.
459. Marei, W. F. A., Xhonneux, I., Buydens, A., Pintelon, I., Meulders, B., Andries, S., & Leroy, J. L. M. R. (2025). The impact of maternal diet-induced obesity on offspring primordial oocyte mitochondria at birth and at weaning. *Molecular Human Reproduction*, 31(3).
460. Masoud, L. M. A., Abdel-Naeem, H. H. S., & Zaki, H. M. B. A. (2025). Physicochemical properties, fatty acid profile, nutritional quality indices, sensory quality, topographical structure, and electrophoretic pattern of beef tongue and heart variety meats. *Journal of Food Composition and Analysis*, 146.
461. Mehanna, S., Hassan, N. H., Ibrahim, M. A., Mohammed, F. F., & Hassanien, E. I. (2025). Neurobehavioral and Neuropathological Alterations Induced by Nickel Sulphate Toxicity in Rats: Molecular Mechanisms and Prophylaxis with Curcumin Supplementation. *Biological Trace Element Research*, 203(12), 6481-6490.
462. Mekky, A. E., Fouda, A. A., Abdelhay, O. M. M., Mohammed, K. R., Mansour, M. A. M., El-Tabakh, M. A. M., . . . Mahmoud, N. N. (2025). Phytochemical insights and hepatoprotection evaluation of *Heliotropium arbaïnense*: Analyzing gene expression and therapeutic potential. *South African Journal of Botany*, 185, 115-129.
463. Mekky, A. E., Saied, E., Al-Habibi, M. M., Shouaib, Z. A., Hasaballah, A. I., Rashed, M. E., . . . Selim, T. A. (2025). Eco-friendly biosynthesis of gold nanoparticles from *Amphimedon compressa* with antibacterial, antioxidant, anti-inflammatory, anti-biofilm, and insecticidal properties against diseases vectors. *Scientific Reports*, 15(1).
464. Mekky, A. E., Saied, E., Al-Habibi, M. M., Shouaib, Z. A., Hasaballah, A. I., Rashed, M. E., . . . Selim, T. A. (2025). Correction: Eco-friendly biosynthesis of gold nanoparticles from *Amphimedon compressa* with antibacterial, antioxidant, anti-inflammatory, anti-biofilm, and insecticidal properties against diseases vectors (*Scientific Reports*, (2025), 15, 1, (27845), 10.1038/s41598-025-11838-6). *Scientific Reports*, 15(1).
465. Meulders, B., Marei, W. F. A., Loier, L., & Leroy, J. L. M. R. (2025). Lipotoxicity and Oocyte Quality in Mammals: Pathogenesis, Consequences, and Reversibility. *Annual Review of Animal Biosciences*, 13(1), 233-254.
466. Mhmod, M. M., Hassanien, E. E., Abu-Seida, A. M., El-Ashry, S. H., Nagy, M. M., Fahmy, S. H., & Hassanein, E. E. E. (2025). Pulp response following direct pulp capping with Tideglusib and mineral trioxide aggregate: an animal study. *BMC Oral Health*, 25(1).
467. Milad, S. S., Elshoky, H. A., Ali, S. E., Khattab, M. S., Attia, M. Z., & Azouz, A. M. (2025). Nanoparticle delivery of combined plant extracts enhances immune response in immunocompromised rats. *Scientific Reports*, 15(1).
468. Mohamed, A., AbdelMageed, M., Zahran, F., Zein, N., Olsson, L., Lindmark, G., . . . Sitohy, B. (2025). Combined serine protease PRSS22 and CEA mRNA analysis identifies the majority of colon cancer patients that recur within 12 years. *Frontiers in Oncology*, 15.
469. Mohamed, A., Fathi, M., Shamaa, A. A., & El-Shahat, K. H. (2025). Impact of autologous platelet-rich plasma used for treatment of oligozoospermia in dogs on the quality of semen and testicular blood flow. *Veterinary Research Communications*, 49(3).
470. Mohamed, A. R., Tohamy, M. A., Radi, A. M., Hassan, R. M., Ibrahim, M. A., & Shaban, N. S. (2025). EXPLORING THE POTENTIAL ROLE OF AMPHORA COFFEAEFORMIS AND PROPOLIS IN MITIGATION OF NEUROTOXICITY INDUCED BY FLUMETHRIN IN RATS. *Assiut Veterinary Medical Journal (Egypt)*, 71(186), 117-134.
471. Mohamed, D. A., Mabrok, H. B., El-Sayed, H. S., Abdelgayed, S. S., & Mohammed, S. E. (2025). Cardio-Protective Effects of Microencapsulated Probiotic and Synbiotic Supplements on a Myocardial Infarction Model Through the Gut-Heart Axis. *Applied Microbiology (Switzerland)*, 5(3).
472. Mohammed, D. M., Salem, M. B., ElZallat, M., AlKafaas, S. S., Salem, H. M., Alnadari, F., . . . El-Saadony, M. T. (2025). Essential oils: antimicrobial, antioxidant properties, and their applications in food preservation—a comprehensive review. *Phytochemistry Reviews*.
473. Mohammed El Tabaa, M. M., Faheem, H., Elballal, M. S., Rashad, E., Mohsen, M., & El Tabaa, M. M. E. (2025). The PPAR- α agonist oleoethanolamide (OEA) ameliorates valproic acid-induced steatohepatitis in rats via suppressing Wnt3a/ β -catenin and activating PGC-1 α : Involvement of network pharmacology and molecular docking. *European Journal of Pharmacology*, 991.
474. Mohammed, R., Nader, S. M., Hamza, D. A., & Sabry, M. A. (2025). Public health implications of multidrugresistant and methicillinresistant *Staphylococcus aureus* in retail oysters. *Scientific Reports*, 15(1).
475. Moharam, N. M., Eissa, A. E., Younis, N. A., & Moustafa, M. (2025). Mass Kills Associated with *Pseudomonas fluorescens* and *Saprolegnia parasitica* Concurrent Infection in Earthen Pond-Farmed Nile tilapia (*Oreochromis niloticus*). *Egyptian Journal of Veterinary Science*, 56(9), 2187-2196.
476. Moharram, F. A., Salem, S. S., Shabana, S., El-Sayed, E. K., Mohamed, S. K., Khattab, M. A., . . . Elsayed, H. E. (2025). HPLC-MS profiling and protective potential of the defatted aqueous methanol extract

- of two *Syzygium* species against cadmium chloride-induced nephrotoxicity in rats. *PLOS ONE*, 20(8 August).
477. Mone, K., Garcia, E. J. T., Abdullatif, F., Rasquinha, M. T., Sur, M., Hanafy, M., . . . Reddy, J. (2025). Metabolic Reprogramming in Response to Freund's Adjuvants: Insights from Serum Metabolomics. *Microorganisms*, 13(3).
478. Morsi, A. S., Ramadan, H. M., Youssef, A. M., & Taha, N. A. (2025). Mechanisms of PDC-induced testicular Toxicity: Oxidative stress, steroidogenic suppression, and modulation by ZnO-NP/TEO synergy. *Food and Chemical Toxicology*, 204.
479. Mosa, M. I., Salem, H. M., Hassan, M., El-Saied, M. A., Bastamy, M. A., & Amer, M. M. (2025). THE EFFECT OF INFECTIOUS BURSAL DISEASE VIRUS INFECTION ON GUT MICROBIOTA OF BROILER CHICKEN AND THE ROLE OF PREBIOTICS AND PROBIOTICS ON CORRECTION OF GUT DYSBIOSIS USING ANALYSIS OF 16S rRNA GENE SEQUENCING. *Bulgarian Journal of Veterinary Medicine*, 28(3), 447-467.
480. Mosleh, A. A., El-Bialy, A. I., El Zahaby, D. I., El-Saadany, A. A., Anter, A. N., & Khalefa, H. S. (2025). Efficacy of copper sulfate and potassium permanganate in reducing bacterial infection and mortality in polycultured farmed fish at El-Menoufia, Egypt: A microbiological and environmental analysis. *Iraqi Journal of Veterinary Sciences*, 39(4), 735-746.
481. Mosleh, A. A., Ramadan, M. M., Elzahaby, D. I., Salim, D. A., & Khalefa, H. (2025). MICROBIOLOGICAL INTEGRITY OF CHICKEN MEAT PRODUCTS AND TRADITIONAL MARKETPLACE ENVIRONMENTS, EMPHASIZING FUNGAL INFECTION AND POSSIBLE MITIGATION STRATEGIES. *Assiut Veterinary Medical Journal (Egypt)*, 71(186), 277-290.
482. Mostafa, A., Barre, R. S., Allué-Guardia, A., Escobedo, R. A., Shivanna, V., Rothan, H., . . . Martínez-Sobrido, L. (2025). Replication kinetics, pathogenicity and virus-induced cellular responses of cattle-origin influenza A(H5N1) isolates from Texas, United States. *Emerging Microbes and Infections*, 14(1).
483. Mostafa, A., Ye, C., Barre, R. S., Shivanna, V., Meredith, R., Platt, R. N., . . . Martínez-Sobrido, L. (2025). A live attenuated NS1-deficient vaccine candidate for cattle-origin influenza A (H5N1) clade 2.3.4.4.b viruses. *npj Vaccines*, 10(1).
484. Mostafa, A. A., & Berry, C. R. (2025). Manubrium tracheal index versus thoracic inlet tracheal index and proximal rib3 tracheal score to radiographically assess bulldogs' tracheal diameter at 3 levels. *American Journal of Veterinary Research*, 86(8).
485. Mostafa, E. M., Badr, Y., Hashem, M. M., Abo-El-Sooud, K., & Faid, A. H. (2025). Correction to: Reducing the effective dose of doxycycline using chitosan silver nanocomposite as a carriers on gram positive and gram-negative bacteria. *Scientific Reports*, (2024), 14, 1, (27819), 10.1038/s41598-024-78326-1). *Scientific Reports*, 15(1).
486. Mostafa-Hedeab, G., Hegazy, A., Mostafa, I., Eissa, I. H., Metwaly, A. M., El-Hady, H. A., . . . Mostafa, A. (2025). In vitro antiviral activities of thymol and Limonin against influenza A viruses and SARS-CoV-2. *Scientific Reports*, 15(1).
487. Mousa, A. M., Taher, R. F., El-Sammad, N. M., Balabel, E. A., Youssef, E. M., Afifi, A. H., . . . Hassan, S. K. (2025). Chemical profile of *Ficus lyrata* bark extract and its therapeutic effect on non-alcoholic fatty liver disease via regulating oxidative stress, inflammation and hepatic lipogenesis. *BMC Complementary Medicine and Therapies*, 25(1).
488. Mousa, S., Ali, M. E., Tahoun, A., El-Sayed, A. A., Marzok, M., Almubarak, A. I., . . . Eissa, A. (2025). Physiological stage dependent hematobiochemical and echocardiographic changes in dromedary camels. *BMC Veterinary Research*, 21(1).
489. Moustafa, P. E., Farouk, H., Khattab, M. S., & El-Marasy, S. A. (2025). Diacerein counteracts amiodarone-induced hepatotoxicity in rats via targeting TLR4/NF- κ B/NLRP3 pathways. *Toxicology Mechanisms and Methods*, 35(7), 787-799.
490. Mowaad, N. A., Baraka, S. M., Ibrahim, S., Mansour, D. A., Korany, R. M. S., El-Sayed, A. F., & Hassan, A. A. (2025). Cerium oxide nanoparticles attenuate hepatic failure via blocking TGF- β /Smads and upregulating Nrf2/HO-1 signaling pathways in liver fibrosis rat model. *Naunyn-Schmiedeberg's Archives of Pharmacology*.
491. Muneeb, M., Abdallah, D. M., El-Abhar, H. S., Wadie, W., Ahmed, K. A., & Abul Fadl, Y. S. (2025). Antiplatelet therapy as a novel approach in Parkinson's disease: Repositioning Ticagrelor to alleviate rotenone-induced parkinsonism via modulation of ER stress, apoptosis, and autophagy. *Neuropharmacology*, 269.
492. Musalem, S., Hamdy, M. M., Mashaly, M. M., Kamoun, E. A., & Malak, N. M. L. (2025). Extending the shelf-life of refrigerated chicken fillets by using polymeric coating layer composed of ginger Zingiber officinale essential oil loaded-chitosan nanoparticles. *Journal of Umm Al-Qura University for Applied Sciences*, 11(4), 674-687.
493. Mwafy, E. A., Mouneir, S. M., & El-Shamy, A. M. (2025). Flowing towards Sustainability: Achieving Water Neutrality through Effective Water Management ACS Symposium Series (Vol. 1502, pp. 1-40).
494. Nadi, W. G., Ahmed, L. I., Awad, A. A., Shemis, M. A., & Taher, E. M. (2025). Impact of fabricated clove and ginger oil nano-emulsions on the survival of *Staphylococcus aureus* and *Aspergillus flavus* in labneh: A fermented model. *Journal of Dairy Research*, 92(2), 241-249.
495. Naguib, M., Sharma, S., Schneider, A., Bragg, A., & Abdelaziz, K. (2025). A multi-antigen *Campylobacter* vaccine enhances antibody responses in layer breeders and sustains elevated maternal antibody levels in their offspring. *Poultry Science*, 104(4).
496. Nagy, A. M., Abdelhameed, M. F., Rihan, S., Diab, K. A., El-Saied, M. A., Mohamed, S. S., . . . Hammam, A. M. M. (2025). Corrigendum to "Rosemary officinalis extract mitigates potassium dichromate-induced testicular degeneration in male rats: Insights from the Nrf2 and its target genes signaling pathway" [Toxicol. Rep. 13 (2024) 101700] [Toxicology Reports (2024) 13, (S2214750024000830), (10.1016/j.toxrep.2024.101700)]. *Toxicology Reports*, 14.
497. Nagy, A. M., Fahmy, H. A., Abdelhameed, M. F., Taher, R. F., Ali, A. M., Amin, M. M., . . . Elshamy, A. I. (2025). Protective effects of *Euphorbia heterophylla* against testicular degeneration in streptozotocin-induced diabetic rats in relation to phytochemical profile. *PLOS ONE*, 20(1).
498. Naiel, M. A. E., Zaki, E. M., Khames, D. K., Ismael, N. E. M., Meng, X., Elian, S. M., & Arisha, A. H. (2025). Effects of Dietary Supplementation with *Halimeda opuntia* Powder on Growth Performance, Digestibility, Immune Response, Antioxidant Defensive System and Gene Regulation of *Oreochromis niloticus*. *Journal of Applied Phycology*, 37(5), 3225-3239.
499. NasrElddeen, M. S., Ragab, R. S. A., & Aboelmaaty, A. M. (2025). Zinc Nanoparticles ameliorated heat stress impacts, improved semen characteristics, and preserved normal antioxidant status and hepatic-renal functions in goat-bucks. *Egyptian Pharmaceutical Journal*, 24(3), 52-60.
500. NasrElddeen, M. S., Ragab, R. S. A., Aboelmaaty, A. M., & Saudi, E. M. (2025). Effect of selenium and zinc nanoparticles supplementations on testicular blood flow, semen, and reproductive hormones in Egyptian native goats subjected to ambient heat stress. *Domestic Animal Endocrinology*, 92.
501. Nassar, Y. M., Abd El-Ghany, W. A., Ibrahim, A. K., Hamouda, A. S., El-Bakery, A. M., & Mekkawy, A. M. (2025). Ameliorating effects of antibiotic alternatives on the performance and pathological parameters of *Salmonella Typhimurium* infected broiler chickens. *Microbial Pathogenesis*, 200.
502. Nazmy, M. M., Noor, N. A., Mohammed, F. F., Khadrawy, Y. A., & Radwan, N. M. (2025). Taurine protection attenuates bisphenol-A-induced behavioral, neurochemical, and histopathological alterations in male rats. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 398(7), 8525-8542.
503. Niazy, A. F., Bawish, B. M., & Matoock, M. Y. (2025). Assessment of the welfare of breeding and boarding dog farms in the greater Cairo region: application of the Farm Quality Protocol (FQP). *BMC Veterinary Research*, 21(1).
504. Nooman, M. U., Al-Kashef, A. S., Khattab, A. E. N., Ahmed, K. A., Rashad, M. M., & Mahmoud, M. H. (2025). Antidiabetic impact of novel sophorolipids produced via microbial conversion of *Moringa oleifera* and *Lepidium sativum* oil cakes utilizing locally isolated yeast strains in streptozotocin-induced diabetic Wistar rats: role of glucagon-like peptide-1. *Egyptian Pharmaceutical Journal*, 24(1), 29-45.
505. Noseer, E. A., Mohammed, F. F., Roomi, A. B., El-Saied, M. A., Abdelazeem, S., Abdelhamid Mohamed, A., & Metwaly, A. A. (2025). Virgin olive oil and chitosan nanoparticles ameliorate the effect of oxidative status caused by thermally heated vegetable oil in albino rats. *Food Bioscience*, 72.
506. Ogaly, H. A., Hassan, N. H., Elsalam, R. M. A., Badawy, S. E., Alsherbiny, M. A., Hassan, B., . . . Elmosalamy, S. H. (2025). Cellular and molecular mechanisms of alpha lipoic acid's protective effects against diclofenac-induced hepatorenal toxicity. *Journal of Veterinary Research (Poland)*, 69(2), 273-284.
507. Ogando, N. S., Elaish, M., Mahabadi, H. M., Langdon, K. D., Das, S. K., Joseph, J. T., . . . Power, C. (2025). Immunometabolism perturbations in post-COVID-19 condition: interleukin-6 and monoamine oxidase interactions drive neuropsychiatric syndromes. *Brain, Behavior, and Immunity*, 129, 690-708.
508. Oraby, M. I., & Salem, N. Y. (2025). Impact of water pollution with lead and cadmium on rumen parameters, serum constituents, and antioxidant status of grazing Egyptian Nubian goats in Giza Governorate. *Comparative Clinical Pathology*, 34(2), 261-268.
509. Osman, T. K., Ismail, S. T., & El-Sherbiny, H. R. (2025). Large-Scale Embryo Transfer Operation in Dromedary Camels: Retrospective Analysis of the Association Between Key Clinical Factors and the 2-Month Pregnancy Rate. *Animals*, 15(13).
510. Pathiwada, D., Annušová, A. H., Machata, P., Shaalan, M., Halahovets, Y., & Mosnáček, J. (2025). Fully open-air surface initiated photochemically induced atom transfer radical polymerization of renewable α -methylene- γ -butyrolactone with potential in biomedical applications via post-functionalization. *European Polymer Journal*, 234.
511. Peresh, Y. Y., Špitálský, Z., Shaalan, M., & Špitálská, E. (2025). Anti-Rickettsial Activity of Chitosan, Selenium, and Silver Nanoparticles: Efficacy in Vero Cells. *Pathogens*, 14(9).
512. Peter, A., Vermeulen, M., van Delen, M., Dams, A., Peeters, S., de Reu, H., . . . Martins, N. (2025). Physiological Oxygen Levels in the Microenvironment Program Ex Vivo-Generated Conventional Dendritic Cells Toward a Tolerogenic Phenotype. *Cells*, 14(10).
513. Pieper, E. B., Radich, J. A., Randklev, C. R., Berg, D. J., Ramey, M., Wright, R. A., . . . Stoeckel, J. A. (2025). Scope for growth is optimized across a limited temperature range in an imperiled freshwater mussel. *Hydrobiologia*, 852(13), 3445-3461.

514. Radî, R. A., Kandeil, M. A., Mohammed, E. T., Ibrahim, M. A., Gamal, A., Abdel-Razik, A. R. H., . . . Sabry, D. (2025). Neuroprotective effects of *Chlorella vulgaris* loaded niosomes via SIRT1 activation in aluminum chloride-induced Alzheimer's model. *Scientific Reports*, 15(1).
515. Radwan, F. M., Elshemy, A. A., Toaleb, N. I., Bastamy, M. A., & Amer, M. M. (2025). SEPARATION AND PURIFICATION OF CHICKEN IgY WITH ITS FIELD EFFICACY IN CONTROLLING AVIAN INFLUENZA IN MUSCOVY DUCKS. *Bulgarian Journal of Veterinary Medicine*, 28(1), 29-41.
516. Rafla, M., Yang, P., & Mostafa, A. A. (2025). Canine Cranial Cruciate Ligament Disease (CCLD): A Concise Review of the Recent Literature. *Animals*, 15(7).
517. Ragab, T. I. M., Shalaby, A. S. G., Ali, A. M., El-Den, E. A., El Awdan, S. A., & Esawy, M. A. (2025). Ulcerative Colitis Protection in Response to Yogurt Drink and Levan as Food Additives: A New Trend in Avoiding Ulcerative Colitis. *Food Biotechnology*, 39(4), 327-350.
518. Raja, B., Sivakumar, A., Mekata, T., Radhakrishnan, V., Asely, A. M. E., Abdelsalam, M., & Sudhakaran, S. (2025). Probing Pregnane-3,20-Dione, 17,21-[(Methylborylene)Bis(Oxy)]-, (5. Beta)- as an Antiviral Candidate Against White Spot Syndrome Virus (WSSV): Molecular Docking and Simulation Approach. *Aquaculture Research*, 2025(1).
519. Ramadan, H. M., Taha, N. A., Youssef, A. M., & Morsi, A. S. (2025). Rosemary essential oil counters MnO₂ nanoparticle-induced fertility deficits in rats via antioxidant mechanisms and upregulation of StAR signalling. *Scientific Reports*, 15(1).
520. Ramadan, R. M., Khalifa, M. M., Youssef, F. S., Fouad, E. A., Kamel, M. S., El-Bahy, M. M., & Madbouly Taha, N. M. (2025). A paradigm shift in trichinellosis management: curcumin-olive oil nanocomposite's multi-faceted therapeutic approach. *BMC Veterinary Research*, 21(1).
521. Ramadan, R. M., Salem, M. A., Mohamed, H. I., Orabi, A., El-Bahy, M. M., & Madbouly Taha, N. M. (2025). *Dermyx* *gallinae* as a pathogen vector: Phylogenetic analysis and associated health risks in pigeons. *Veterinary Parasitology: Regional Studies and Reports*, 57.
522. Ramadan, R. M., Wahby, A. M., Bakry, N. M., Auda, H. M., Mohammed, F. F., El-Bahy, M. M., & Hekal, S. H. A. (2025). Targeted pre-partum strategies to suppress *Toxocara vitulorum* hypobiotic larvae: Reducing transmission to calves and genotypic insights into buffalo infections. *Veterinary World*, 18(2), 329-340.
523. Ramzy, G., Mousa, W., Gaidan, O. K., Zaghawa, A., Nayel, M., Elsiy, A., . . . Salama, A. (2025). Molecular characterization and associated risk factors of zoonotic cryptosporidiosis in bovine calves and humans in Menoufia governorate, Egypt. *Open Veterinary Journal*, 15(1), 277-288.
524. Ras, R., El-Bahrawy, A., Abdelkhalik, A., Morariu, F., Elsayed, A. N., Nouh, D. S., . . . AbdelMageed, M. (2025). A survey of morphological, molecular, and histopathological characteristics of *Taenia pisiformis* metacystode in Egyptian rabbits (*Oryctolagus cuniculus*). *Frontiers in Veterinary Science*, 12.
525. Reda, R. M., Zaki, E. M., Aioub, A., Metwally, M., Yassin, A. M., & Mahsoub, F. (2025). Behavioral, biochemical, immune, and histological responses of Nile tilapia (*Oreochromis niloticus* Linnaeus, 1758) to lead, mercury, and pendimethalin exposure: individual and combined effects. *Environmental Sciences Europe*, 37(1).
526. Reem, R. T., Abdel-Saeed, H., Ali, M. E., & El Kamoty, A. F. (2025). DIAGNOSTIC AND MORPHOMETRIC STUDIES ON DILATED CARDIOMYOPATHY IN MIXED BREED CATS. *Bulgarian Journal of Veterinary Medicine*, 28(2), 278-292.
527. Reem, R. T., & Elsayed, A. H. (2025). Comparative morphometric, morphological, and radiographic studies of the mongrel and German shepherd dog mandibles with their clinical value for regional anesthesia. *Zoomorphology*, 144(2).
528. Roy, S. M., Beg, M. M., Tiyasha, T., Bhagat, S. K., Kim, T., Pareek, C. M., . . . Abdelrahman, H. A. (2025). Cost-effective aeration solutions for aquaculture: a study on paddle wheel and spiral aerators. *Aquaculture International*, 33(5).
529. Ryad, N. M., Ramadan, E. S., Elkhat, M. A., Salem, N. Y., & Saleh, I. A. E. S. (2025). Early Detection of Renal Damage Using Kidney Injury Molecule -1 (KIM-1) In Dogs Associated with Dehydration. *Egyptian Journal of Veterinary Science*, 56(2), 369-375.
530. Saad, A. M., Mohammed, D. M., AlKafaas, S. S., Ghosh, S., Negm, S. H., Salem, H. M., . . . El-Saadony, M. T. (2025). Dietary polyphenols and human health: sources, biological activities, nutritional and immunological aspects, and bioavailability—a comprehensive review. *Frontiers in Immunology*, 16.
531. Saad-Hussein, A., El-Tawil, O., & El-Sheikh, E. S. A. (2025). Climate change impacts on toxins and health effects.
532. Saad-Hussein, A., El-Tawil, O., & El-Sheikh, E. S. A. (2025). Preface. v-vii.
533. Sabry, I., Zeineldin, M., Kamal, M. A. M., Hefnawy, A., el-Attar, H., Abdelraouf, Y., & Ghanem, M. (2025). Comparative evaluation of lower respiratory tract microbiota in healthy and BRD-affected calves in Egypt. *Tropical Animal Health and Production*, 57(2).
534. Safwat, M. S. (2025). A case of a misleading conclusion: a critical reassessment of the methodological and interpretive flaws of a recent meta-analysis of the vector role of cat fleas in feline hemotropic *Mycoplasma* species transmission. *Parasites and Vectors*, 18(1).
535. Safwat, M. S., Bahr, A. D., Bakry, N. M., Amer, H. M., Yousif, A. A., Shehata, A. A., . . . Refaei, O. H. (2025). Ancient and dominant: a novel feline immunodeficiency virus subtype "X-EGY" identified in Egyptian cats associated with high prevalence. *BMC Veterinary Research*, 21(1).
536. Safwat, M. S., Bakry, N. M., Bahr, A. D., Orabi, A., Rayan, A. A., Khalil, G. M., . . . Refaei, O. H. (2025). Typing of hemotropic *Mycoplasma* in Egyptian cats: first detection and phylogenetic analysis of *Candidatus Mycoplasma turicensis*. *Veterinary Research Communications*, 49(3).
537. Safwat, M. S., Xi, C., M, S. E. S., Anwer, A. Z., Ali, M. E., Abdallah, E. S. A., . . . Farouk, M. M. (2025). Emergence, surge, and fading of the novel feline parvovirus Thr390Aa mutant in Egyptian cats during 2023: insights from a comprehensive full-length VP2 genetic analysis. *BMC Veterinary Research*, 21(1).
538. Saif, A., Islam, M. T., Raihan, M. O., Yousefi, N., Rahman, M. A., Faridi, H., . . . Aktaruzzaman, M. (2025). Pan-cancer analysis of CDC7 in human tumors: Integrative multi-omics insights and discovery of novel marine-based inhibitors through machine learning and computational approaches. *Computers in Biology and Medicine*, 190.
539. Sakr, O. G., Thabit, H., & Attia, M. M. (2025). Assessment of Essential Oils Treatment of Neem Extract Versus Ivermectin Against *Sarcoptes scabiei* In Rabbit Flocks. *Egyptian Journal of Veterinary Science*, 56(9), 2001-2009.
540. Salahi, A., & Abd El-Ghany, W. A. (2025). A Spotlight on Archaea in Humans, Livestock and Poultry: A Review. *Veterinary Medicine and Science*, 11(2).
541. Salahi, A., Abd El-Ghany, W. A., Attia, Y. A., Zaberemawi, N. M., Bovera, F., & Tufarelli, V. (2025). Gut dysbiosis: Nutritional causes and risk prevention in poultry, with reference to other animals. *South African Journal of Animal Science*, 55(2), 32-63.
542. Salahi, A., Shahir, M. H., Attia, Y. A., Fahmy, K. N. E. D., Bovera, F., & Tufarelli, V. (2025). Impact of low-protein diets on broiler nutrition, production sustainability, gene expression, meat quality and greenhouse gas emissions. *Journal of Applied Animal Research*, 53(1).
543. Saleh, A. A., El-Naggar, K., El Sayed El Bayoumi, M., Amber, K., M A, K., Alhotan, R. A., . . . Kirrella, A. A. (2025). Effects of supplementing low-energy and/or protein diets with xylanase and protease on broiler chicken growth performance, nutritional utilization, blood biochemical parameters, and gene expression associated with growth. *Cogent Food and Agriculture*, 11(1).
544. Saleh, A. A., El-Rayes, T. K., Mousa, M. M., Omar, S. M., Mohammed Kamal, M. A., Alhotan, R. A., . . . Farag, S. A. H. (2025). Effects of Feeding Poultry Slaughterhouse Byproduct Meal on the Growth Performance, Digestibility, Antioxidant Status and Histological Parameters of Broilers. *Veterinary Medicine and Science*, 11(3).
545. Saleh, A. M., Eissa, A. E., Ghazy, M. A., Makled, S. O., & Abdel-Mawgood, A. L. (2025). Prevalence and Characterization of *Aeromonas hydrophila* in Freshwater Fish Farms: A Study in Kafrelsheikh Governorate, Egypt. *International Journal of Veterinary Science*, 14(2), 410-415.
546. Saleh, D. O., Abo El- Nasr, N. M. E., Hussien, Y. A., Elbaset, M. A., & Ahmed, K. A. (2025). Cyclophosphamide-induced testicular injury: the role of chrysin in mitigating iron overload and ferroptosis. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 398(5), 5475-5489.
547. Saleh, D. O., Elbaset, M. A., Ahmed, K. A., & Sedik, A. A. (2025). Chrysin mitigates cyclophosphamide-triggered cardiotoxicity in rats: Insights into cardioprotection via Treg expression modulation and iNOS downregulation. *Toxicology Reports*, 14.
548. Saleh, N., allam, T., Korany, R. M. S., Abdelfattah, A. M., Omran, A. M., Abd Eldaim, M., & Borai El-Borai, N. (2025). Hesperidin exacerbates the therapeutic potency of cisplatin against hepatocytotoxicity of Ehrlich ascites carcinoma in mice. *Scientific Reports*, 15(1).
549. Saleh, S. R., Younis, F. A., Abdelrahman, S. S., Attia, A. A., El Demellawy, M. A., Newairy, A. A., & Ghareeb, D. A. (2025). Attenuation of high-fat high-sucrose diet and CCl₄-induced non-alcoholic steatohepatitis in rats by activating autophagy and SIGMAR1/GRP78/TPR1 signaling using berberine-loaded albumin nanoparticles: in vivo prediction and in-silico molecular modeling. *Journal of Pharmaceutical Investigation*, 55(2), 227-250.
550. Saleh, S. Y., Younis, N. A., Sherif, A. H., & Gaber, H. G. (2025). The role of *Moringa oleifera* in enhancing fish performance and health: a comprehensive review of sustainable aquaculture applications. *Veterinary Research Communications*, 49(6).
551. Salek, F., Hashem, M. F., & Thundathil, J. C. (2025). Effects of L-Carnitine on the Developmental Competence of Bovine Oocytes. *Animals*, 15(17).
552. Salem, E. M., Rizk, H., Abouelela, Y. S., Prince, A., Tohamy, A. F., Lasheen, N. A., . . . Mostafa, S. (2025). Retraction Note: Regenerative potentials of bone marrow mesenchymal stem cells derived exosomes or its combination with zinc in recovery of degenerated circumvallate papilla following surgical bilateral transection of glossopharyngeal nerve in rats (*BMC Oral Health*, (2024), 24, 1, (1320), 10.1186/s12903-

- 024-05050-7). *BMC Oral Health*, 25(1).
553. Salem, H. M., Ibrahim, A. M., Barsoum, S. S., Mahmoud, M. A., Albohiri, H. H., Almayouf, M. A., . . . Attia, M. M. (2025). Morphological characterization, histopathological alteration, and cytokine response of different tissues of *Columba livia* naturally infected with *Haemoproteus columbae*. *Frontiers in Veterinary Science*, 12.
554. Salem, M., Zaghawa, A., Housawi, F., Elsify, A., Hasan, M. E., Elrashedy, A., . . . Naem, A. A. (2025). Comprehensive genome analysis of *Mycobacterium avium* subsp. *Paratuberculosis* in camels from Saudi Arabia: Molecular epidemiology and antimicrobial resistance. *Veterinary World*, 18(4), 859-876.
555. Salem, M. A., El-Gameel, S. M., Kamel, M. S., Elsamman, E. M., & Ramadan, R. M. (2025). Innovative diagnostic strategies for equine habronemiasis: exploring molecular identification, gene expression, and oxidative stress markers. *Parasites and Vectors*, 18(1).
556. Salem, M. A., Khalifa, M. M., Bakry, N. M., Kamel, M. S., Ali, M. M., Fouad, E. A., & Ramadan, R. M. (2025). Innovative diagnostic strategies for *Taenia ovis* infection: Exploring molecular, gene expression, oxidative stress, and histopathological insights. *Veterinary Parasitology*, 339.
557. Salem, M. A., Khalil, H. M. A., Manaa, E. G., Bass, A. K. A., Osama, N., Samaka, R. M., . . . Hamdan, D. I. (2025). Antioxidant Potential of Selected Apiaceae Plant Extracts: A Study Focused on the Chemical Composition and Neuroprotective Effect of *Coriandrum sativum* L. Extract Against Lead (Pb)-Induced Neurotoxicity in Rats. *Biological Trace Element Research*, 203(12), 6093-6114.
558. Salem, M. A., Mahdy, O. A., El-Saied, M. A., Kamel, M. S., Mohammed, F. F., & Ramadan, R. M. (2025). Molecular and pathological insights into gene expression and oxidative stress in *Clinostomum complanatum* and *Euclinostomum heterostomum*. *Scientific Reports*, 15(1).
559. Salem, M. A., Mahdy, O. A., Youssef, F. S., Kamel, M. S., & Ramadan, R. M. (2025). First report of *Astragalus polysaccharide* nanoemulsion efficacy against *Clinostomum metacercariae* in Nile Tilapia. *Veterinary Parasitology*, 339.
560. Samir, A., Mosallam, T., Aboul-Ella, H., Ali, A., Samir, O., Hegab, M., . . . Zaher, H. M. (2025). Zoonotic relevance of multidrug-resistant bacteria in parrots with respiratory illness. *Veterinary Research Communications*, 49(4).
561. Samir, A., & Zaher, H. M. (2025). Chicken as a carrier of emerging virulent *Helicobacter* species: a potential zoonotic risk. *Gut Pathogens*, 17(1).
562. Samir, H., Elfadadny, A., Radwan, F., Swelum, A. A., & Watanabe, G. (2025). Alterations in the uterine echotexture, hemodynamics, and histological findings in relation to metabolomic profiles in goats with different ovarian activities (active versus inactive ovaries). *Veterinary Research Communications*, 49(2).
563. Sawerus, M. G., Kamel, H. H., Ahmed, W. M. S., Ata, E. B., El Amir, D., Mahdi, E. A., . . . Shehata, O. (2025). Antitypanosomal potential of *Salvia officinalis* terpenoids-rich fraction in *Trypanosoma evansi*-infected rat model. *BMC Veterinary Research*, 21(1).
564. Sayed, M. A., Abdel-Ghaffar, A. R. B., El-Baky, S. M. M. A., AbuBakr, H. O., Moselhy, S. S., & Abdel-Hameed, R. (2025). Significance of molecular and zymography profiling for accurate detection of infected sheep with *Anaplasma marginale* in South Sinai, Egypt. *Scientific Reports*, 15(1).
565. Sayed, Y., Hassan, M., Salem, H. M., Al-Amry, K., & Eid, G. (2025). Probiotics/prebiotics effect on chicken gut microbiota and immunity in relation to heat-stress and climate-change mitigation. *Journal of Thermal Biology*, 129.
566. Selem, A., Sabry, M. A., & Abdel-Moein, K. A. (2025). Occurrence of Virulent *Salmonella enterica* Among Migratory Birds: A Potential Zoonotic Risk. *Pakistan Journal of Zoology*, 57(3), 1481-1485.
567. Selim, A., Marzok, M., Gattan, H. S., Alruhaïli, M. H., al-Jabr, O. A., & Salem, M. (2025). Seroprevalence and associated risk factors for *Fasciola hepatica* in sheep in Nile Delta of Egypt. *Parasitology International*, 104.
568. Shaalan, M., Mahboub, H. H., Abdelgawad, A. H., Abdelwarith, A. A., Younis, E. M., Elnegiry, A. A., . . . Mahmoud, Y. K. (2025). Correction to: Dietary tea tree (*Melaleuca Aetheroleum*) oil fortifies growth, biochemical, immune-antioxidant trait, gene function, tissue reaction, and *Aeromonas sobria* resistance in Nile tilapia (*Oreochromis niloticus*) (*BMC Veterinary Research*, (2025), 21, 1, (1), 10.1186/s12917-024-04369-1). *BMC Veterinary Research*, 21(1).
569. Shaalan, M., Mahboub, H. H., Abdelgawad, A. H., Abdelwarith, A. A., Younis, E. M., Elnegiry, A. A., . . . Mahmoud, Y. K. (2025). Dietary tea tree (*Melaleuca Aetheroleum*) oil fortifies growth, biochemical, immune-antioxidant trait, gene function, tissue reaction, and *Aeromonas sobria* resistance in Nile tilapia (*Oreochromis niloticus*). *BMC Veterinary Research*, 21(1).
570. Shaheed, I. B., Samir, A., Ismael, E., Zaher, H. M., Orabi, A., Ali, S., . . . Abdel-Kader, F. (2025). Molecular detection of antibiotic-resistant *Campylobacter* spp. among broiler and layer chickens in Egypt: An outlook from a One Health concept. *Research in Veterinary Science*, 193.
571. Shaker, A. A., Samir, A., Zaher, H. M., & Abdel-Moein, K. A. (2025). The Burden of *Acinetobacter baumannii* Among Pet Dogs and Cats with Respiratory Illness Outside the Healthcare Facilities: A Possible Public Health Concern. *Vector-Borne and Zoonotic Diseases*, 25(2), 118-124.
572. Shalaby, E. S., Abdelhameed, M. F., El-Saied, M. A., Soliman, H. S. M., Nagy, A. M., & Elmotasem, H. (2025). A triple strategy employing the revisited diosmin, nano emulsomes gel, and the topical route for psoriasis management in a UV-induced model. *Journal of Drug Delivery Science and Technology*, 111.
573. Shalaby, O. E., Ahmed, Y. H., Mekkawy, A. M., Mahmoud, M. Y., & Elbargesy, G. A. (2025). The ameliorative effect of selenium-loaded chitosan nanoparticles against silver nanoparticles-induced ovarian toxicity in female albino rats. *Journal of Ovarian Research*, 18(1).
574. Sharma, S., Kaur, S., Naguib, M., Bragg, A., Schneider, A., Kulkarni, R. R., . . . Abdelaziz, K. (2025). Major Foodborne Bacterial Pathogens in Poultry: Implications for Human Health and the Poultry Industry and Probiotic Mitigation Strategies. *Microorganisms*, 13(10).
575. Shawkly, H., Fayed, D. B., Abd El-Karim, S. S., Rezk, H., Esawy, M. A., & Farrag, E. K. (2025). Immunotherapeutic effects of de novo benzimidazole derivative and prebiotic bacterial levan against triple-negative breast tumors by harnessing the immune landscape to intercept the oncogenic transcriptome. *International Journal of Biological Macromolecules*, 289.
576. Shehab, W. S., Faragy, A. F., El-Gazzar, A. R. B. A., Haikal, H. A., Mounieir, S. M., Emwas, A. H. M., . . . Abdellattif, M. H. (2025). Innovation of eco-friendly TiO₂ nano catalyst for new pyrimidine carbonitiriles candidates, assessed for significant antioxidant activity, anti-inflammatory effects, and by insilico studies. *PLOS ONE*, 20(5 May).
577. Shehata, A. M., Aref, H. F., Mahmoud, M. Y., Bakr, A. F., Salem, M. A., & El-Saied, E. M. (2025). PLGA nanoparticles provide a safe delivery system for bee venom and melittin to alleviate their hepatotoxic effects in mice. *Toxicon*, 267.
578. Sherif, A. A., Hassanen, E. I., Abuwarda, M., & Doghaim, R. (2025). Therapeutic Efficacy of Chitosan-Coated Zinc Oxide Nanoparticles Against Sarcopic Mange in Rabbits. *BioNanoScience*, 15(3).
579. Shokry, A. A., Bashir, D. W., Gamil, N. M., & Nabil, G. (2025). In-depth molecular assessment of *Hedera helix* L. α - Hederin & Hederacoside C as a gastroprotective & a possible safe Omeprazole phyto-alternative in ethanol-induced gastric ulcer mice model. *International Immunopharmacology*, 156.
580. Shokry, M., Ali, L. B., & El-Sharkawy, M. (2025). Relationship between back pain and poor performance in show jumping athletic horses. *Open Veterinary Journal*, 15(3), 1480-1487.
581. Slapeta, J., Krücken, J., Rojas, A., Chambers, A., Melville, L. A., Martinez-Valladares, M., . . . Gilleard, J. S. (2025). Ten simple rules for implementing deep amplicon sequencing in parasitology. *International Journal for Parasitology*.
582. Sobeh, E. I., Elfeky, S. A., Korany, R. M. S., Saleh, H. M., Ahmed-Farid, O. A., & El-Ghannam, G. (2025). Exploring the radioprotective shield of ZnFe₂O₄/cysteine-folic acid nanocomposite in γ -irradiated male Wistar rats. *Journal of Drug Delivery Science and Technology*, 112.
583. Soliman, M. M., Nashed, M. S., Hassanen, E. I., Issa, M. Y., Prince, A., Hussien, A. M., & Tohamy, A. F. (2025). Ameliorative effects of date palm kernel extract against fenpropathrin induced male reproductive toxicity. *Biological Research*, 58(1).
584. Soliman, R., Elbaki, S. A., Youssef, M., Abdelmalak, G., & Aboul-Ella, H. (2025). PRODUCTION OF RHODOCOCCUS EQUI-SPECIFIC HORSE POLYCLONAL ANTIBODIES AND EVALUATION OF THEIR THERAPEUTIC EFFICACY AND PROPHYLACTIC POTENTIALS IN A MOUSE MODEL. *Bulgarian Journal of Veterinary Medicine*, 28(2), 228-240.
585. Soliman, S. M., El-Saadony, M. T., Saad, A. M., Mosa, W. F. A., Khalil, F. M. A., Ahmed, A. E., . . . Salem, H. M. (2025). The impacts of thermal stress on dairy cattle physiology, metabolism, health, and performance: a comprehensive review. *Annals of Animal Science*.
586. Song, A., Wang, M., She, Y., Jin, M., Cao, Z., Abd El-Aty, A. M., & Wang, J. (2025). Evaluation and Validation of Colloidal Gold Immunochromatographic Qualitative Testing Products for the Detection of Emamectin Benzoate, Isocarboxiphos, and Fipronil in Cowpea Samples. *Foods*, 14(3).
587. Stark, B. A., DeCleene, N. K., Desai, E. C., Hsu, J. M., Johnson, C. O., Lara-Castor, L., . . . Roth, G. A. (2025). Global, Regional, and National Burden of Cardiovascular Diseases and Risk Factors in 204 Countries and Territories, 1990-2023. *Journal of the American College of Cardiology*, 86(22), 2167-2243.
588. Su, W., Zhao, S., Zhou, J., Xi, L., Jin, W., & Abd El-Aty, A. M. (2025). Comparative analysis of the quality characteristics and flavor volatiles of Lueyang black-bone chicken meatballs cooked via different methods. *Frontiers in Nutrition*, 12.
589. Taher, R. F., Abd El Ghany, E. M., El-Gendy, Z. A., Elghonemy, M. M., Hassan, H. A., Abdel Jaleel, G. A., . . . Elshamy, A. I. (2025). In vivo anti-ulceration effect of *Pancreaticum maritimum* extract against ethanol-induced rats via NLRP3 inflammasome and HMGB1/TLR4/MYD88/NF- κ B signaling pathways and its extract metabolite profile. *PLOS ONE*, 20(4 April).
590. Taleb, H. M., Mahrose, K., Abdel-Halim, A. A., Kasem, H., Ramadan, G. S., Fouad, A. M., . . . Abd El-Hack, M. E. (2025). Using Artificial Intelligence to Improve Poultry Productivity - A Review. *Annals of Animal Science*, 25(1), 23-33.

591. Tan, M., Jin, M., Daglia, M., Capanoglu, E., & Abd El-Aty, A. M. (2025). Perspective on Current Advances and Future Directions in Food Safety and Health. *Food Safety and Health*, 3(2), 140-143.
592. Taşpınar, N., Hacimüftüoğlu, A., Binnetoğlu, D., Kocpınar, E. F., Baltacı, N. G., Budak, H., & Abd El-Aty, A. M. (2025). Ceftriaxone suppresses the severity of paclitaxel-induced glutamate-mediated chronic pain in experimental animals. *Scientific Reports*, 15(1).
593. Teiba, I. I., Mazrou, Y. S. A., Makhlof, A. H., El-Sheery, N. I., Hekal, S. H. A., Abu-Elala, N., . . . Shehata, A. I. (2025). Effects of Liposomal Vitamin C, Coenzyme Q10, and Bee Venom Supplementation on Bacterial Communities and Performance in Nile Tilapia (*Oreochromis niloticus*). *Biology*, 14(3).
594. Tekin, S., Bolat, M., Atasever, A., Bolat, I., Cınar, B., ShadiDizaji, A., . . . Warda, M. (2025). Mechanistic insights into the P-coumaric acid protection against bisphenol A-induced hepatotoxicity in vivo and in silico models. *Scientific Reports*, 15(1).
595. Tohamy, A. F., Hassan, M. H., Prince, A., Nashed, M. S., Hassanen, E. I., & Soliman, M. M. (2025). *Sambucus nigra* alleviates fenpropathrin-induced hepatorenal toxicity in rats via modulation of NF- κ B/TNF- α axis. *Scientific Reports*, 15(1).
596. Trogu, T., Ferrari, G., Abdulkader, A., Younan, M., Dayub, J., Foglia, E. A., . . . Grazioli, S. (2025). Update on Foot-and-Mouth Disease in North-Western Syria: Circulating Serotypes and Post-Vaccination Monitoring. *Transboundary and Emerging Diseases*, 2025(1).
597. Turan, T., İşidan, H., Duran-Yelken, S., Atasoy, M. O., Ozbek, R., El-Naggar, R. F. E., & Rohaim, M. A. (2025). Genetic and Statistical Study of Anelloviruses and Gyroviruses in Diarrheic Cats and Their Co-Occurrence Patterns. *Viruses*, 17(11).
598. Wafaey, A. A., El-Hawary, S. S., El-Raey, M. A., Abdelrahman, S. S., Ali, A. M., Mandour, Y. M., . . . Abdelhameed, M. F. (2025). UHPLC-QTOF-MS/MS metabolomic profiling and in silico-in vivo evaluation of *Gliricidia sepium* leaves for renoprotection in diabetic nephropathy. *Fitoterapia*, 186.
599. Wafaey, A. A., El-Hawary, S. S., El-Raey, M. A., Abdelrahman, S. S., Ali, A. M., Montaser, A. S., . . . Kirolos, F. N. (2025). *Gliricidia sepium* (Jacq.) Kunth. ex Walp. leaves-derived biogenic nanohydrogel accelerates diabetic wound healing in rats over 21 days. *Burns*, 51(2).
600. Wafaey, A. A., El-Hawary, S. S., Mohamed, O. G., Abdelrahman, S. S., Ali, A. M., El-Rashedy, A. A., . . . Kirolos, F. N. (2025). UHPLC-QTOF-MS/MS profiling, molecular networking, and molecular docking analysis of *Gliricidia sepium* (Jacq.) Kunth. ex Walp. stem ethanolic extract and its gastroprotective effect on gastritis in rats. *Toxicology Reports*, 14.
601. Wafy, M. N., Hassan, E. A., Saeed, S., Khatib, M. S., AbuBakr, H. O., & Abu-Seida, A. M. (2025). Therapeutic Efficacy of Zinc Oxide Nanoparticles Ointment in Promoting Wound Healing in Dogs: A Clinical Study. *Journal of Applied Veterinary Sciences*, 10(3), 24-33.
602. Wahdan, A., Elsebai, M. F., Elhaig, M. M., El-Sabagh, I. M., Ahmed, M. S., Mohamed, M., & Abd-Allah, E. M. (2025). Innovative use of wild Egyptian artichoke extract to control fowl cholera in vitro. *Veterinary World*, 18(2), 341-347.
603. Wahied, R. M., & El-Jakee, J. (2025). Comparative Immunological Studies for Evaluation Enterotoxemia Vaccine in Rabbit. *International Journal of Veterinary Science*, 14(4), 791-796.
604. Wang, J., Liu, Y., Guo, H., Chen, D., Abdu, H. I., Yang, M., . . . Abd El-Aty, A. M. (2025). Cultured Chinese Giant Salamander Skin and Skin Secretions as a Source of Bioactive Peptides for Food and Medicine. *Food Science of Animal Resources*, 45(1), 109-125.
605. Warda, M., Tekin, S., Gamal, M., Khafaga, N., Çelebi, F., & Tarantino, G. (2025). Lipid rafts: novel therapeutic targets for metabolic, neurodegenerative, oncological, and cardiovascular diseases. *Lipids in Health and Disease*, 24(1).
606. Warda, M., Tekin, S., Khafaga, N., Sengül, E., Çelebi, F., & Lacin, B. B. (2025). Comprehensive Insights Into Genetically Modified Foods: Technological Advances, Nutritional Benefits, Therapeutic Applications, and Health Implications. *Food Safety and Health*, 3(3), 334-355.
607. Wu, Q., Liu, B., Abd El-Aty, A. M., Zhang, X., Chen, L., Liu, G., . . . Xu, D. (2025). The high-throughput and high-sensitivity strategies of multiplex lateral flow immunoassays for agricultural product contaminants. *TrAC - Trends in Analytical Chemistry*, 193.
608. Wu, Y., Shao, Y., Shao, X., Yu, H., Wang, M., Wang, J., . . . Abd El-Aty, A. M. (2025). Qingke β -glucan and *Lactobacillus* mitigate neuroinflammation and enhance cognitive function in an Alzheimer's disease mouse model. *International Journal of Biological Macromolecules*, 319.
609. Xu, L., Abd El-Aty, A. M., Li, P., Li, J., Zhao, J., Lei, X., . . . Jin, M. (2025). Unveil the molecular recognition mechanisms of triazine haptens and monoclonal antibodies: Establishing ic-ELISA methods for triazine herbicide analysis in tea. *Food Safety and Health*, 3(1), 61-76.
610. Xu, L., Abd El-Aty, A. M., Li, P., Li, J., Zhao, J., Lei, X., . . . Jin, M. (2025). Smartphone-integrated visual inspection for enhancing agricultural product quality and safety: a review. *Critical Reviews in Food Science and Nutrition*, 65(25), 4846-4868.
611. Yaghoubi, M., Alirezalu, K., Hadi, F., Marcinkowska-Lesiak, M., Ismail-Fitry, M. R., Abd El-Aty, A. M., . . . Öz, F. (2025). Trends in food science & technology probiotic-incorporated active packaging solutions for meat and meat products: A review of benefits and recent applications. *Trends in Food Science and Technology*, 156.
612. Ye, H., Sun, J., He, L., Ai, C., Jin, W., & Abd El-Aty, A. M. (2025). Beneficial effects of proanthocyanidins on skin aging: a review. *Frontiers in Nutrition*, 12.
613. Ye, Z., Elswad, A., Qin, G., Zhang, D., Su, B., Khalil, K., . . . Dunham, R. A. (2025). Sterilization of Channel Catfish (*Ictalurus punctatus*) via Overexpression of *bax* Gene Regulated by a Tet-off System in the Primordial Germ Cells. *Marine Biotechnology*, 27(3).
614. Yehia, N., Abd El Wahed, A., Arafa, A., Said, D., Mohamed, A. A. E., Eid, S., . . . Ceruti, A. (2025). Rapid Detection Assay for Infectious Bronchitis Virus Using Real-Time Reverse Transcription Recombinase-Aided Amplification. *Viruses*, 17(9).
615. Yehia, N., Abd El Wahed, A., Mohamed, A. A. E., Arafa, A., Said, D., Shalaby, M. A., . . . Kobiakla, R. M. (2025). Reverse Transcription Recombinase-Aided Amplification Assay for Newcastle Disease Virus in Poultry. *Pathogens*, 14(9).
616. Youssef, E. Z. A., El-Mohandes, S. S., & El-Enbaawy, M. I. (2025). ANTIBIOTIC RESISTANCE PROFILES AND PREVALENCE OF ESBL-PRODUCING ESCHERICHIA COLI AND KLEBSIELLA PNEUMONIAE IN MASTITIS CASES ON DAIRY FARMS IN EGYPT Assiut Veterinary Medical Journal (Egypt), 71(184), 413-429.
617. Youssef, F. S., Zaki, M. E. A., Nasser, N., Al-Hussain, S. A., Mohamed, G. G., & Fouad, O. A. (2025). Comparative pharmacological studies on novel green-synthesized nano-zero-valent aluminum. *RSC Advances*, 15(28), 22807-22823.
618. Zahran, M., Alaryani, F. S., Elbohi, K. M., Abu-Zeid, E. H., Khairy, M. H., Albalawi, A. E., . . . Korany, R. M. S. (2025). Protective role of *Lagenaria Siceraria* seed oil against furan-induced toxicity: Histopathological, biochemical, and molecular insights in male Albino rats. *PLOS ONE*, 20(5 May).
619. Zaki, A. A., Alharbi, N. M., Almundarij, T. I., & Albarrak, S. M. (2025). Antioxidant and cytokine modulation in PCOS rats protected with probiotics, myo-inositol, and herbal extracts. *Veterinari Medicina*, 70(6), 203-217.
620. Zaki, A. K. A., & Albarrak, S. M. (2025). Geographical Location, Housing and Feeding Managements as Potential Risk Factors for Subclinical Mastitis in Dromedary Camels Raised in Qassim Region, Saudi Arabia. *International Journal of Agriculture and Biology*, 33(2).
621. Zanyat, A. A., Dishisha, T., El-Sayed-Ahmed, M. A. E. G., Abdel-Fattah, M. M., Ahmed, K. A., & Abdulkader, K. (2025). Characterization, genomic analysis and preclinical evaluation of the lytic *Staphylococcus bacteriophage* PSK against methicillin-resistant *Staphylococcus aureus* wound isolate. *Annals of Clinical Microbiology and Antimicrobials*, 24(1).
622. Zayed, M., Abdelrazek, M., & Jeong, B. H. (2025). Ferropotosis in veterinary medicine: mechanisms, therapies, and unmet challenges. *Veterinary Quarterly*, 45(1).
623. Zedan, D. A. H., Darwish, F. M., & Mohamed, I. B. (2025). Pathological Alterations in Lung and Liver of Male Mice Intoxicated with Benzo[a]pyrene: A time Dependent Study. *Egyptian Journal of Veterinary Science*, 56(9), 2073-2084.
624. Zewail, M., Abbas, H., Ali, M. E., & Makled, S. (2025). Melatonin hyalurosomes as a powerful antioxidant for combating skin damage induced by UV radiation. *Journal of Liposome Research*, 35(3), 267-282.
625. Zhai, R., Chen, G., Abd El-Aty, A. M., Liu, G., Liu, B., Chen, L., . . . Xu, D. (2025). Framework nucleic acids as powerful mediator for metal nanomaterials in biosensing: A review. *International Journal of Biological Macromolecules*, 328.
626. Zhai, X., Guo, Y., Shang, M., Guo, Z., Ren, D., & Abd El-Aty, A. M. (2025). Preparation, characterization and antibacterial investigation of water-soluble curcumin-chitoooligosaccharide complexes. *Carbohydrate Polymers*, 351.
627. Zhang, J., Wang, M., She, Y., Jin, F., Jin, M., Wang, J., . . . Abd El-Aty, A. M. (2025). Molecularly imprinted SERS sensor on paper for benzoic acid detection in rice vinegar. *Journal of Food Composition and Analysis*, 147.
628. Zhang, M., Wan, S., Chen, W., Yang, D., Wang, C., Li, B., . . . Hua, J. (2025). miR-21-5p ameliorates Busulfan-induced testicular dysfunction and maintains spermatogenesis. *Journal of Integrative Agriculture*, 24(12), 4744-4759.
629. Zhang, S., Xu, X., Wang, B., & Abd El-Aty, A. M. (2025). Time-temperature-dependent structuring of corn starch biopolymer films under retrogradation conditions. *Food Chemistry*, 496.
630. Zhang, W., Fan, Y., Ashrafzadeh, M., Shi, D., Sethi, G., Nuri Ertas, Y. N., . . . Gong, P. (2025). A novel BcAT1 inhibitor bufalin sensitizes pancreatic cancer cells to chemotherapy. *Genes and Diseases*, 12(3).

631. Zhao, S., Zhang, M., Ran, Y., Yang, Z., Dong, R., He, L., . . . Abd El-Aty, A. M. (2025). Differentiation of volatile organic compounds in chili powders of different spiciness levels via E-nose, HS-GC-IMS, and chemometrics. *Frontiers in Nutrition*, 12.
632. Zhao, Y., Li, P., Abd El-Aty, A. M., Lei, X., Zhao, J., Xu, L., . . . Jin, M. (2025). Broad-Specificity Immunoassays for Detecting Prochloraz and Its Metabolites in Grapes and Water. *ACS Agricultural Science and Technology*, 5(4), 528-541.
633. Zheng, L., Rajamanickam, V., Wang, M., Zhang, H., Fang, S., Linnebacher, M., . . . Ji, J. (2025). Corrigendum to "Fangchinoline inhibits metastasis and reduces inflammation-induced epithelial-mesenchymal transition by targeting the FOXM1-ADAM17 axis in hepatocellular carcinoma" [Cell Signal. 2024 Dec;124:111467] (*Cellular Signalling* (2024) 124, (S0898656824004406), (10.1016/j.cellsig.2024.111467)). *Cellular Signalling*, 127.
634. Zhou, Q., Li, X., Ma, X., Gao, Y., Li, Y., Xie, H., . . . Ju, X. (2025). Structural characterization of a neutral heteropolysaccharide from *Pholidota chinensis* Lindl. and its protective effects against intestinal inflammation via barrier enhancement and gut microbiota modulation. *International Journal of Biological Macromolecules*, 325.
635. Zineldar, H. A., El-Neshwy, W. M., Cristina, R. T., Abouzeid, N. Z., Eisa, M. I., Muselin, F., . . . Tartor, Y. H. (2025). Molecular Diagnostics and Control of Zoonotic Dermatophytosis: First Detection of *Trichophyton indotineae* in a Dog in Africa. *Animals*, 15(17).

b) International conferences:

Algeria:

- Providing technical consultations in the field of poultry nutrition

Brazil:

- A scientific seminar and participation in a global exhibition

Canada:

- International Conference on Obesity therapies & diabetes research (ICOTDR-24)

China:

- A scientific seminar and participation in a global exhibition

Cyprus:

- Guarding the Coop Global Perspectives on Poultry Health Challenges Seminar

France:

- Participation in the international expert committee to review and update the reference (Terrestrial Code and Terrestrial Manual) for sheep and goat pox patients

Germany:

- Xpert' Global Parasite Scientific Conference

Hungary:

- International Conference on Marine Science & Aquaculture -ICMSA-2

Iraq:

- 9th International Conference of the Faculty of Veterinary Medicine, University of Basra

Italy:

- World Poultry Association Conference
- World Veterinary Poultry Association Conference
- 17th International Conference on Clinical Veterinary Medicine, Animal Pathology and Epidemiology

Jordan:

- Conference on the role of organic acids as growth stimulants in poultry nutrition

Kuwait:

- A scientific lecture entitled 'Nutrition and health and safety of the digestive system in broiler chickens'

Saudi Arabia:

- International Conference and Exhibition for Agriculture, Water, and Agricultural Industries
- Middle East Poultry Expo
- The 2nd International Camelid Scientific Conference
- The 2nd International Camel Conference at Qassim University
- A scientific conference and a lecture entitled (The danger of parasites on the economy of camel and sheep farms)

Serbia:

- Round table discussion on Avian Viral respiratory diseases at Belgrade University

Thailand:

- World Conference on Animal Science and Veterinary Medicine

UAE:

- Scientific sessions on animal and poultry nutrition
- International Microbiology Conference
- VIV-MEA Annual Veterinary Conference and Exhibition
- Scientific conference on livestock and a lecture on the danger of parasites on the economy of camel and sheep farms

USA:

- Scientific conference of the AAAP Scientific Society
- International Conference on Cardiovascular, diabetes & metabolic disorders research (ICCDMR-24)

c) National conferences:

Scientific Conference of the Department of Microbiology

*Localizing Vaccine Production in Egypt: A Strategic Step to Combat Antimicrobial-Resistant Bacteria from a One Health Perspective"

d) Other (Provide website address or link to appropriate information):

- <https://vet.cu.edu/new-web/Home/>
- <https://www.facebook.com/share/1ZS9TKw3lp/?mibextid=wwXlfr>
- https://www.instagram.com/vet_medicine_cairo_university?igsh=eJQzaHowYjQ4Y2Zn&utm_source=qr
- https://x.com/vet_cairo_uni?s=11
- <https://www.linkedin.com/company/faculty-of-veterinary-medicine-cairo-university/>

11. What have you done in the past year to advance your area of focus, e.g. updated technology?

Over the current year, substantial progress has continued in advancing my area of focus through the implementation of updated technologies and strengthened practices, in alignment with the mission of the Centre for Day-One Veterinary Competencies to enhance veterinary education and animal and public health outcomes. Key achievements during this year include:

1. Zoonotic Disease Control:

Ongoing workshops, practical training sessions, and student-led activities on advanced diagnostic techniques and prevention strategies have further improved the early detection, surveillance, and management of zoonotic diseases, benefiting both animal and human health.

2. Internal Medicine and Infectious Diseases Clinic:

The clinic has continued to manage a high and diverse caseload, supported by a multidisciplinary team of specialist veterinarians and the routine use of advanced diagnostic technologies to deliver comprehensive care for internal and infectious diseases.

3. Environmental Sustainability:

This year, focused seminars addressing climate change and its impact on animal and public health have reinforced sustainable practices, including expanded recycling initiatives and increased reliance on digital pathology and electronic records to minimize environmental impact.

4. Biosecurity and Infection Control:

The Biosecurity and Infection Control Unit has been further strengthened through updated protocols, enhanced laboratory biosafety measures, and continuous staff training, improving preparedness and response to infectious disease threats and biological risks.

5. Portable Sequencing Technology:

The application of portable sequencing platforms has been actively expanded for the rapid identification of respiratory viruses in poultry, significantly enhancing diagnostic speed, accuracy, and outbreak response capacity.

6. Vaccine Development:

Ongoing research this year has advanced the development and evaluation of nanoparticle-encapsulated DNA vaccines for avian diseases, reflecting a sustained commitment to innovative vaccine strategies against viral infections.

7. Collaborative Knowledge Exchange:

Active collaboration with national and international research institutions has continued, enabling the exchange of expertise, joint research activities, and the adoption of cutting-edge methodologies to improve animal and public health outcomes.

8. Training and Capacity Building:

Specialized training courses, seminars, and hands-on workshops have been continuously organized for undergraduate students, postgraduate researchers, and practicing veterinarians, ensuring the dissemination of up-to-date knowledge and best practices in infectious diseases, poultry health, internal medicine, and animal production.

9. Integration of Digital Tools and Artificial Intelligence:

The expanded integration of digital platforms and artificial intelligence applications into research, diagnostics, and data analysis has further improved efficiency, precision, and innovation in veterinary health management.

12. Additional comments regarding your report: