



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



الخطة البحثية
لكلية الطب البيطري
جامعة الوادي الجديد
خلال أعوام 2021-2026 م



مقدمة

أنشئت كلية الطب البيطري بالوادي الجديد كفرع من جامعة أسيوط بالقرار الجمهوري رقم 585 لسنة 2013 م . وفي سبتمبر 2018م صدر قرار رئيس الوزراء بإنشاء جامعة الوادي الجديد، ومقرها محافظة الوادي الجديد، على أن يلغى فرع جامعة أسيوط بالوادي الجديد، وتُضم الكليات التابعة له إلى جامعة الوادي الجديد، وهي كليات الزراعة، والطب البيطري، والتربية، والآداب، والعلوم، والتربية الرياضية. وتعمل كلية الطب البيطري جاهدة على مواكبة التطور في العلوم والتقنيات الطبية البيطرية ورفع كفاءة الخدمات الطبية البيطرية التي تقدمها من خلال المستشفى البيطري التعليمي وقوافل التشخيص والعلاج في محافظة الوادي الجديد وتقوم الكلية دوما بتطوير نظمها التعليمية بما يتناسب مع المستويات العالمية. وحرصا من كلية الطب البيطري علي أداء رسالتها والسعي قدما لتحقيق رؤيتها ونظرا لأن مهنة الطب البيطري تمثل أهمية كبيرة للمجتمع علي مستوى الفرد ومستوي الدولة فقد رأت الكلية تعديل لائحته حتي يتحقق الغرض الأسمى في رؤية ورسالة الكلية التي تتضمن الإهتمام بتنمية الثروة الحيوانية وحماية الحيوان والإنسان من الأمراض الوبائية المتوطنة والوافدة التي تصيب الإنسان وتؤثر علي قدرته الإنتاجية والتي تنتقل من الحيوان إلي الإنسان عن طريق الإختلاط أو التعامل مع المنتجات الغذائية والمخلفات الحيوانية. كما تهدف اللائحة إلي توفير البروتين الحيواني من الحيوان والدواجن والأسماك للإنسان لرفع الإقتصاد القومي وتحقيق الإكتفاء الذاتي والتصدير للخارج. إضافة إلي الإهتمام بالحيوان في أغراض العمل والرياضة والبحث العلمي مع الإهتمام بالمحافظة علي البيئة. لذا يستلزم تميز التعليم البيطري بالكفاءة والمرونة وذلك عن طريق (التعليم المستمر، التدريب والدراسات العليا والبحوث) لتخريج طبيب بيطري مؤهل لتلبية إحتياجات المجتمع وكسب ثقته والنهوض به صحيا وإقتصاديا.



1. الخطة البحثية لقسم التشريح والهيستولوجيا

Scientific research plane of anatomy and histology department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Anatomical studies	Anatomical studies on the abducent nerve of balady dog	Studying the anatomical structure of different animals	Anatomy department staff members	2021	2026	250.000
2.		Comparative myoarchitectural orientation of the extrinsic lingual muscles of sheep, dog and pig					
3.		Laparoscopic Anatomy of the abdomen and pelvis of sheep					
4.		Intracortical tractography of optic nerve of donkey					
5.		Radioanatomical studies on the head of Egyptian bovine					
6.		Anatomico surgical studies on the orbit and eye ball of Egyptian dog					
Total proposed cost (L.E)							250.000



2. الخطة البحثية لقسم الفسيولوجيا

Scientific research plane of physiology department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Physiological research on Animals in New Valley Governorate	The use of some medicinal plants to reduce the hazard effect of heat stress or growth performance	The added plant may positively reduce the hazard effect of heat stress on animal and improve the growth parameters	Physiology department staff members	2021	2026	3000
2.		The hazard effect of melamine addition to feed stuff and ameliorating effect of some feed's additives	Added feed stuff to have ameliorative effect on melamine toxicity				3000
3.		The beneficial effect of using of probiotics in general immunity and phagocytic power of phagocytic cells	The added probiotics may positively improve the immunity and has a positive effect on phagocytic power of leucocytes				3000
Total proposed cost (L.E)							9000



3. الخطة البحثية لقسم الكيمياء الحيوية

Scientific research plane of Biochemistry department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Novel studies of herbal plants in treatment and/or prevention of some chronic disease	<ul style="list-style-type: none">Biochemical, molecular and immunohistochemical studies of some neurodegenerative disease pathways in experimental animals.Impact of novel medicinal plant against diabetes mellitus at biochemical, molecular and immunohistochemical levels in experimental animals.	<ul style="list-style-type: none">Publication of researches in highly impact international journals (Q1 journal)Registration of one patent	Biochemistry department staff members in co-operation with biochemistry department staff members in Faculty of Science, Alexandria university, City of scientific research and technological applications (SRTA), Alexandria and Zoology Department, Suez Canal University	2021	2026	300.000
2.	Applications of nanotechnology	<ul style="list-style-type: none">Comparison study between herbal plants and herbal plants nanoparticles against some neurodegenerative diseases in experimental animals.Comparison study between herbal plants and herbal plants nanoparticles against diabetes mellitus in experimental animals.	<ul style="list-style-type: none">Obtaining projects funded by external parties as ASRT or STIFANew safe herbal therapy with lesser adverse effects for treatment neurodegenerative disease and diabetes mellitus.				300.000
3.	Toxicology studies	Ameliorative impact of nature byproduct against toxicity of compound induced at experimental animals	<ul style="list-style-type: none">Minimizing the risk factors of toxic compounds.				200.000
4.	Milk and Milk byproducts	<ul style="list-style-type: none">Biochemical evolution of different type of milk.Impact of nature antioxidant in milk byproduct shelf life	<ul style="list-style-type: none">Evaluation				100.000



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



		different types of milk and effect of nature antioxidants to elevate shelf life of milk byproducts				
Total proposed cost (L.E)						900.000



4. الخطة البحثية لقسم صحة الحيوان والأمراض المشتركة

Scientific research plane of Animal Health and Zoonotic Disease Department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Zoonoses	<ul style="list-style-type: none">• Detection of prevalence of brucellosis among human and animal species, as well as the evaluation of the various prevention plan.• Study the most predominant serogroup of zoonotic Salmonella and the most important source of infection for human• The possible source of infection of human being with H.Pylori and method of prevention• The epidemiological situation of Rabies in New Valley governorate. As well as trials for control• Seroprevalence of Rift Valley fever in New Valley governorate.• Prevalence of Ringworm New Valley governorate, Classification and mode of transmission• Detection of the most prevalent zoonoses in New Valley governorate	<p>Study various diseases of animal origin, which is transmitted from human to animal or vice versa, with methods of prevention and spreading community awareness</p> <p>To know these diseases and how to prevent them</p>	Zoonotic disease staff members	2021	2026	300.000
2.	Animal Hygiene	<ul style="list-style-type: none">• Evaluation of different housing systems for poultry production in New Valley governorate.• Evaluation of different housing systems for sheep production in New Valley governorate.• Evaluation of different sources for water used in animal production.• Evaluation of different disinfectant used in animal production	<p>Study everything related to animal health and the different shelter systems for animals and birds.</p>	Animal Hygiene staff members	2021	2026	150.000



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



			As well as methods of disinfection and evaluation of the various disinfectants found in the Egyptian environment,				
3.	Animal Behavior and management	<ul style="list-style-type: none">• Study different animals or bird's behavior under the surrounding environmental condition.• Study different environmental stressors which affected the animal production• Detection of abnormal behavior and its effect on production.• Detection of the Managemental procedures which taken in New Valley governorate.• Study different managemental way to correct bad effect of abnormal behavior or different environmental stressors.• Study different foreign breeds behavior under New Valley environment and corrected the managemental point to get high production value.• Using of new Managemental technology ways to improve animal or bird production.• Study the behavioral changes which associated with different diseases and detected the managemental way to treated it.	Study everything related to animal behavior	Animal Behavior and management staff members	2021	2026	150.000
Total proposed cost (L.E)							600.000



5. الخطة البحثية لقسم تغذية الحيوان والدواجن وسوء التغذية

Scientific research plane of Animal and Poultry Nutrition and Malnutrition Department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Applications of nanotechnology	Nanotechnology application in poultry and farm animals' nutrition	Improvement the growth rate of animals and poultry	Animal nutrition and clinical nutrition department staff members	2021	2026	300.000
2.	Nutrition research in New Valley governorate	<ul style="list-style-type: none">Using of protective amino acids in ration formulation in poultry and animals' nutritionUnconventional feeds in animal nutrition					
3.	Studies of sybiotic (probiotics and prebiotics) as a growth promoters in animals and poultry nutrition	The effect of sybiotic (probiotics and prebiotics) on growth performance and immunity and carcass traits in animals and poultry					
4.	Studies the nutritional deficiency diseases in New valley governorate	Nutritional studies on macro and micro minerals deficiency in farm animals					
5.	Studies the using of some medicinal plant extract as feed additives in poultry and farm animal in new valley	The effect of using of some medicinal plant extract as feed additives on growth performance and immunity and carcass traits in poultry and farm animal					
6.	Studies of some antioxidants,	The effect of some antioxidants,					



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



	immunostimulant herbal plants on growth performances in poultry and farm animals and fish in New Valley governorates	immunostimulant herbal plants on growth performances in poultry and farm animals and fish					
7.	Studies the use of some herbal oil extract on growth performances in poultry and farm animals and fish in New Valley Governorates	The effect of some herbal oil extract on growth performances in poultry and farm animals and fish					
Total proposed cost (L.E)							300.000



6. الخطة البحثية لقسم الباثولوجيا والباثولوجيا الإكلينيكية

Scientific research plane of Pathology and Clinical Pathology Department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Clinicopathological studies on the effect of some medicinal plants and/or its extracts on animal diseases in New Valley governorate	Hematological, pathological, biochemical and immunological effect of some medicinal plants and/or its extracts on animal diseases in New Valley governorate	Identification of medicinal plants in New Valley governorate and the possibility of replacing medicines of chemical origin with medicinal plants (or their extracts) present in the governorate	Pathology and clinical pathology department staff members	2021	2026	400.000
2.	Clinicopathological studies of some antioxidants, immunostimulant drugs and growth promoters to overcome the heat stress in animals in New Valley governorates	Hematological pathological, biochemical, antioxidant and immunological effect of antioxidants immunostimulant drugs and growth promoters to overcome the heat stress in New Valley governorate	Overcome heat stress in animals in New Valley governorate				
3.	Clinicopathological studies of probiotics and prebiotics as a growth promoters in animals	Hematological pathological, biochemical and immunological effect of some growth promoters in animals and poultry	Identifying the growth promoters of choice for animals and				



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



	and poultry		poultry in New valley governorate that increase growth rate without adverse effect on hepatic, renal functions or immune system of the animals and poultry				
4.	Clinicopathological studies on parasites in animals	Hematological, pathological and biochemical effects of some anthelmintic drugs against some nematodes in animals	Identifying the proper dose of some anthelmintic drugs that are required for treatment of some nematodes infection (without causing adverse effects on hepatic and renal functions)				
5.	Clinicopathological studies on the effect of some medicinal plants on reproductive diseases in mammals	Hematological pathological and biochemical effect of some medicinal plants (and/or their extracts) on reproductive diseases in mammals	Treatment of some infertility problems in mammals				
Total proposed cost (L.E)							400.000



7. الخطة البحثية لقسم الميكروبيولوجيا الطبية والمناعة

Scientific research plane of Medical microbiology and Immunology Department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Cattle viral diseases in New Valley Governorate	Cross neutralization between vaccinal strain of <i>Bovine ephemeral fever virus</i> vaccine and Egyptian isolate with serum samples of vaccinated cattle	Diagnosis and trials of vaccine production against some diseases	Microbiology and Immunology department staff members	2021	2026	500.000
2.	Poultry diseases in New Valley Governorate	Molecular detection and phylogenetic analysis of <i>Avipoxvirus</i> strains isolated from different bird species					
3.	Diagnosis and characterization of viral diseases in waterfowls	Virological, Molecular and Epidemiological Studies on Derzsy's disease strains. isolated in New Valley Governorate					
4.	Diagnosis and characterization of viral diseases in rabbits	Genetic characterization of <i>Rabbit hemorrhagic disease virus</i> from naturally infected rabbits					
5.	Camel viral diseases in New Valley Governorate	Sequence analysis of <i>Camelpox virus</i> isolated from New Valley Governorate.					
6.	Viral diseases of cattle in New Valley Governorate	New epizootic of lumpy skin disease in New Valley Governorate - Egypt: Molecular identification and characterization.					
7.	Equine viral vaccines	<ul style="list-style-type: none">• Application of <i>Equine herpesvirus-1</i> (EHV-1) vaccine inactivated by both formaldehyde and BEI in equine.• Inactivated <i>Equine Influenza Virus</i>					



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



		Vaccine Improvement with different types of adjuvants					
8.	Viral diseases of cattle in New Valley Governorate	Genetically and antigenically comparison of isolated LSDV. and the used vaccinal strain					
Total proposed cost (L.E)							500.000



8. الخطة البحثية لقسم الطفيليات

Scientific research plane of Parasitology Department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Parasitology	Some studies of external and internal parasites in New valley governate	Detection of the most abundant parasite in New valley and how to control the parasitic infection and to get animals welfare	Parasitology department staff members	2021	2026	30.000
2.		Study the effect of some herbal and medicinal plants as antiparasitic agents	Using effective natural materials in treating animals, birds and fish compared to expensive chemicals that have a negative effect				30.000
3.		Some parasitological studies in fish	Improving condition of fish and Community awareness of reducing pollution in				30.000



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



4.	Morphological and parasitological studies of blood parasites in different animal species	water bodies Increasing productivity of farming animals and Improving the animal's condition				30.000
5.	Study the effect of vegetables in transmission of zoonotic diseases to human	Knowing the methods of infection and preventing parasites				30.000
6.	Histopathological Changes and scanning with electron microscope of some parasites	Detection the ultrastructure and tissue changes which help veterinarian in control of parasitic diseases				30.000
Total proposed cost (L.E)						180.000



9. الخطة البحثية لقسم الفارماكولوجيا

Scientific research plane of Pharmacology Department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Pharmacology	Pharmacological study of some probiotics	Record the effect of probiotic when used in combination with antibiotics for treatment of diseases	Pharmacology department staff members, post graduate students and other related departments	2021	2026	350.000
2.		The efficacy of some drugs in animals and poultry	Record the effective drugs used for protection and treatment of diseases				
3.		Pharmacological study the ameliorative effect of some medicinal plant extract on toxic substances or side effect of drugs	Application of medicinal plant extract to use with drugs with side effect to ameliorate this side effect				
4.		Teratogenic effect of some antibiotics with new treat for ameliorate this effect by using medicinal plant extract	Record the teratogenic effect of some non-prescribed drug during outbreak and ameliorate its side effect by				



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



5.	Pharmacological study for using medicinal plant and algae as growth promotor by feed additive for poultry	medicinal plant Application of medicinal plant extract and algae as food additive for poultry				
6.	New trial for using medicinal plant extract for treatment blood parasite to replace synthetic drugs in New valley department to overcome drug resistance	Overcome drug resistance				
7.	Application of nanotechnology for treatment of fish to decrease drug resistance					
8.	Application of new trial of treatment to overcome simple indigestion and impaction in New valley government	Record the most cause of simple indigestion and impaction of sheep and goats and most suitable method of treatment				
9.	Pharmacokinetic study of some drugs	Record the most suitable method of administration to animals and overcome drug resistance				
Total proposed cost (L.E)						350.000



10. الخطة البحثية لقسم الرقابة الصحية على الأغذية

Scientific research plane of Food Hygiene Department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Food Hygiene	Milk, meat and their products adulteration	Detection the most frequency method used for adulteration and control these methods	Food hygiene department staff members, post graduate students and other related departments	2021	2026	300.000
2.		Isolation of some microorganisms causing food poisoning	Records of the most microorganisms present in food in New Valley				
3.		Study the presence of different parasites in all types of animal origin food	Records of the most parasites present in food in New Valley				
4.		Different methods of food preservation	Apply the most effective method for food preservation in manufacturing				
5.		Study the effect of some natural products to inhibit the growth of pathogenic and spoilage microorganisms	Apply the most Effective biopreservative products in food manufacturing				



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



6.	Evolution the efficacy of milk and meat products	Apply the most Effective method for preservation of food					
7.	Detection of different chemical contaminations of animal origin food	Records the most chemical contaminations in food in New Valley					
8.	Study the most causative agents of mastitis in dairy animals						
Total proposed cost (L.E)							600.000



11. الخطة البحثية لقسم الطب الشرعي والسموم

Scientific research plane of Forensic Medicine and Toxicology Department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Forensic Medicine and Toxicology	Estimation of the toxicity of the feed additives in animal production	Detection the most effective methods used for adulteration in both milk and meat products	Forensic Medicine and Toxicology department staff members, post graduate students and other related departments	2021	2026	250.000
2.		Analysis and detection of insecticides in different tissues of different animals	Detect of the effect of newly Used insecticides on DNA damage by Comet assay				
3.		Determination the hormones concentration in different animals	Estimation of DNA integrity as a result of using new members of pesticides by a rapid effective technique				
4.		Authentication of meat products by different organs					
5.		Detection of mycotoxins in different animal products and how to control it					
Total proposed cost (L.E)							250.000



12. الخطة البحثية لقسم التوليد والتناسليات والتلقيح الإصطناعي

Scientific research plane of Theriogenology and ruminant reproduction Department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Clinical study of infertility in some animals in New Valley Governorate	Infertility problems in ruminants	Enhancement the animal reproduction and treatment of infertility problems	Theriology and ruminant reproduction department staff members	2021	2026	300.000
2.		Diagnosis and treatment of Uterine infection in ruminants					
3.		Causes of fetus death in ruminants					
4.		Periparturient changes in ruminants and Methods of improvement					
5.		Infertility problems in camels					
		Improvement of estrous synchronization and fertility by using novel methods in ewe					
Total proposed cost (L.E)							300.000



13. الخطة البحثية لقسم جراحة الحيوان

Scientific research plane of Animal Surgery Department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Anesthesia	<ul style="list-style-type: none">• Research in local and general anesthesia drugs developed in the field of animal anesthesia and their effects• Using modern medical imaging technologies to help deliver general and local anesthesia in animals and obtain the required anesthetic effects• The development of structures and methods of general and local anesthesia in animals• Researching the effects of anesthesia on local animals in the Arab Republic of Egypt• Local anesthesia• General anesthesia (injection and inhalation)	<ul style="list-style-type: none">• Investigate the effect of a mixture of injectable general anesthetic drugs on different animals on vital functions and hemodynamics and to measure clinical changes specific to anesthesia• obtain a stable clinical anesthetic effect in different animals.	Animal Surgery department staff members	2021	2026	250.000
2.	Radiology research	<ul style="list-style-type: none">• Researching the modern uses of medical imaging by x-ray and ultrasound• Comparative research in photographing organs with different medical imaging techniques• Comparative research between surgical					



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



	<p>anatomical features and medical imaging of organs in animals</p> <ul style="list-style-type: none">• Modern medical imaging techniques• The uses of medical imaging techniques for the purpose of anesthesia in animals• Uses of medical imaging techniques for general surgery in animals• The uses of medical imaging techniques for the purpose of special surgeries and device surgeries in animals• The uses of medical imaging techniques for the purpose of diagnosing and treating skeletal injuries and lameness in animals• X-ray investigations (X-ray) and CT scan• Medical imaging studies with magnetic resonance technology• Medical thermal imaging (infrared) investigations• General medical imaging section• Investigation of folding atomic imaging• Medical imaging section• Investigating the use of ultrasound in medical diagnosis, anesthesia and surgical treatment• X-Ray• Ultrasound• Comparative surgical anatomy with medical imaging techniques• Echo, color Doppler and modern ultrasound techniques					
3.	General surgery	<ul style="list-style-type: none">• Research into the surgical diagnosis of some surgical problems in animals• Evaluation of different surgical methods				



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



		<ul style="list-style-type: none">for surgical injuries in animals• Evaluation of surgical methods developed in animals• The use of modern technologies in the treatment of surgical injuries• Investigation of the use of platelet-rich plasma in the treatment of surgical injuries in animals• Investigating the use of stem cells in the treatment of surgical injuries in animals• Wound healing investigation• Investigating the use of nanotechnology in the treatment of surgical injuries in animals• Investigation of the use of nanocomposites in wound healing• Diagnosis and treatment of surgical injuries in animals• New surgical techniques• Investigating surgical tools and sutures• Investigation of chemical compounds, medicines, medical drugs and their surgical uses• Comparative research of medical and surgical treatments for animal injuries• Questionnaires of surgical injuries in animals in the surrounding environment - the region					
4.	Special surgery	<ul style="list-style-type: none">• Ophthalmology and ophthalmology investigations (comparative medical and surgical diagnosis and treatment)• Ophthalmic surgeries in animals• Ear surgeries in animals					



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



	<ul style="list-style-type: none">• Upper respiratory surgeries in animals• Respiratory and thoracic surgeries• Cardiothoracic surgeries in animals• Animal vascular surgery• Gastrointestinal surgery in pets• Gastrointestinal surgery in small ruminants• Gastrointestinal surgery in large ruminants• Gastrointestinal surgery in animals• Animal nervous system surgeries• Brain and spinal cord surgeries in animals• Animal urogenital surgeries• animal skeletal system surgeries• Oncology surgeries in animals• Special surgery and instrumentation surgery• Linking diagnostic methods, anesthesia and surgery					
5.	The skeletal system, orthopedics and lameness research	<ul style="list-style-type: none">• Animal orthopedic surgeries• animal spine surgeries• surgeries for the joints, ligaments, tendons and muscles of animals• Modern surgical techniques in the treatment of structural surgical injuries• Diagnosis of lameness in animals• Tendon injuries in horses• Methods and methods of anesthesia and medical imaging for the treatment of structural surgical injuries• Questionnaires for structural surgical injuries in animals in the surrounding environment				



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



Modern surgeries	<ul style="list-style-type: none">• Laparoscopic surgeries• Laser surgeries• Microscopic surgeries• Minimally invasive surgeries					
Experimental surgery	<ul style="list-style-type: none">• Experimental surgeries in animals• Experimental surgery in laboratory animals• Modeling of surgical injuries in animals (models)• Anesthetic, radiological and surgical technical experiments on animals• Experiments of healing in experimental animals					
Surgery in birds	<ul style="list-style-type: none">• Home avian surgeries• Ornamental and wild birds surgeries• Rabbit surgeries and similar ones in the platoon• The uses of rabbits as experimental animals• General and local anesthesia in birds and rabbits• Medical imaging techniques in birds and rabbits• General surgery in birds and rabbits• Special surgery in birds and rabbits• Diagnosis and surgical treatment in birds and rabbits• Experimental surgeries in birds and rabbits• Questionnaires of surgical injuries in birds and rabbits• Modeling of surgical injuries in					



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



Surgery, anesthesia and radiology	birds and rabbits (Animal models)					
	<ul style="list-style-type: none">• Surgical questionnaires for various injuries• Questionnaires and comparative anesthetic studies• Injury diagnostic questionnaires and studies• Collective research in general and special surgery, radiology, medical imaging, local and general anesthesia, joint and limp surgeries.• surgical technology transfer and acquisition new research topics• Medical, chemical and pharmacological treatments for surgical injuries					
Total proposed cost (L.E)						250.000



14. الخطة البحثية لقسم أمراض الدواجن
Scientific research plane of Poultry diseases Department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Poultry diseases and production in New Valley and Egypt	Viral, bacterial, parasitic and fungal diseases of poultry	Survey on viral, bacterial, parasitic and fungal diseases of poultry	Birds and rabbit disease department staff members	2021	2026	250.000
2.	Effect of herbal plants on bacterial, parasitic and mycotoxins	Impact of herbal plants on mycotoxins and other microorganisms	Impact of herbal plants on mycotoxins and other microorganisms				
3.	Poultry vaccines and immunity	Pigeon pox, IB, AI, ND and RVHD vaccines	Evaluation of vaccines and the immunity response				
4.	Effect of ground water on broiler in New Valley	Heavy metals effect on broilers performance	Heavy metals effect on broilers performance				
5.	Bacterial diseases in poultry	Salmonella and ORT in chickens	Detection of Salmonella and ORT in poultry				
6.	Viral diseases of rabbits	RVHD	Survey on RVHD in Egypt				
7.	New researches in poultry diseases	Other new researches in poultry	New research				
Total proposed cost (L.E)							250.000



15. الخطة البحثية لقسم طب الحيوان

Scientific research plane of Animal Medicine Department

	General research field	Specific research field	Outputs and indicators of success	Responsibility for implementation	Implementation period (5 years)		Proposed cost (L.E)
					From	To	
1.	Animal medicine	<ul style="list-style-type: none">• Study of mal-nutrition diseases• Study of medicine diseases• Study of unknown causative diseases• Infertility problems in ruminants.• Causes of fetus death in ruminants.• Study changes before and after parturition in ruminants.• Study of diseases associated with metabolism	Study everything related to the problems of livestock in the New Valley and study of the factors affecting it jointly with other departments of the college and other research bodies	Animal medicine staff members	2021	2026	150.000.0
2.	Infectious diseases	<ul style="list-style-type: none">• Study of epidemiological infectious diseases endemic in province• Study on parasitic infestation and blood parasites and its control• Study of chronic debilitating diseases TB, BL, Johnes diseases, CL• Study of causative agent causing infectious diarrhea in different animal spp in new	Study everything related to the problems of livestock in the New Valley What is new is about infectious	Infectious diseases staff members	2021	2026	150.000.0



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



	valley province, BVD, Rota, Corona, E-coli, Sa;monella, Other,..... <ul style="list-style-type: none">• Epidemiological studies on sheep infectious diseases. SGP, RVF, Brucellosis, Infectious diseases causing skin lesions.• Studying of advanced technique in diagnosis of infectious diseases• Application of nanotechnology in treatment of some infectious diseases,• Immunological studies on some infectious diseases and vaccination failure.• Different studies for control of rabies• Trails to make epidemiological maps for infectious disease presented in new valley province.	diseases and epidemics and study of the factors affecting it jointly with other departments of the college and other research bodies				
3.	Fish diseases <ul style="list-style-type: none">• Application of nanotechnology.• Using of new technology in fish breeding• Using of nanotechnology for treatment of diarrhea.• Studying fish diseases in new valley governorate• Studying problems for fish farms in new valley province	Study everything related to the problems of livestock in the New Valley What is new is about developing fish wealth and finding all ways to solve them	Fish diseases staff members	2021	2026	150.000.0



جامعة الوادي الجديد
الخطة البحثية لكلية الطب البيطري خلال أعوام 2021-2026



		And its advancement and study of the factors affecting it jointly with other departments of the college and other research bodies				
Total proposed cost (L.E)						450.000.0

عميد الكلية

أ.د. وليد سنوسي علي

وكيل الكلية للدراسات العليا والبحوث

أ.د. ياسر فتحي إسماعيل الناقر