



## The Research plan of faculty of agriculture and natural resources

.2014/2019

Procedural objectives	Activities	Responsible for the implementation	Period of the implementation		Indicators of success
			From	TO	
Producing and farming field and horticulture crops	Studies on the effect of environmental stresses on plants and improving tolerance trait	Horticulture _genetics, Agronomy , and natural resources departments in faculty of science(Botany)	2019	2014	Publish 5 scientific researches in accredited magazines Attend three scientific conferences Hold a scientific seminar annually
	Studies on modern trends in horticultural crops and field crops cultivation	Horticulture _genetics, Agronomy , and natural resources ,plant protection departments	2019	2014	Publish 3 scientific researches in accredited magazines Attend a scientific conference Hold a scientific seminar annually

	Study on the problems of the main crops production in .Aswan	Plant pathology, Horticulture, Agronomy, natural resources, and agricultural economics and extension .departments	2019	2014	Publish a scientific research in accredited .magazine Hold agricultural .convoys
	Studies on medicinal and aromatic .plants	Horticulture, Genetics, agricultural microbiology, and plant pathology .departments Faculty of .pharmacy Faculty of science(Bota ny)	2019	2014	Publish 3 scientific researches in accredited .magazines Conduct a scientific .symposium Attend a scientific .conference
	Using nontraditional methods to improve the productivity and quality of .field crops	Agronomy .department	2019	2014	Publish a scientific research in accredited .magazine
	Producing new cultivars to obtain new nontraditional .products	Agronomy .department	2019	2014	Publish a scientific research in accredited .magazine

	Studying the best treatments to decrease the agricultural economic costs	Agronomy department	2019	2014	Publish a scientific research in accredited magazine Hold an agricultural convoy
	Evaluation of fruits cultivars under Egypt condition	Horticulture department	2019	2014	Publish a scientific research in accredited magazine Hold an agricultural convoy
	Studies on non-traditional plant such as Jojoba, Jatropa, Moringa. Etc	Horticulture department	2019	2014	Publish a scientific research in accredited magazine Conduct a scientific symposium
	Maintaining the genetic origins of rare plants	Horticulture department	2019	2014	Establish botanical garden
	Ecological studies on natural reserves	Horticulture, Genetics, natural resources departments Faculty of science (botany)	2019	2014	Publish a scientific research

Animal, husbandry and fish .production	Studies on effect season and environmental conditions on hormonal changes, production and reproduction performance of farm .animals	Animal production department	2019	2014	Publish a scientific research in accredited .magazine
	Study on the reproductive and productivity performance of Egyptian cows and buffalos under the traditional care conditions in .south Egypt	Animal production .department	2019	2014	Publish a scientific research in accredited .magazine
	Studies on food processing problems in the area and ways to solve .them	Food sciences .department	2019	2014	Publish a scientific research in accredited .magazine
Land reclamation and .cultivation	Studies on phyto-remediation for solving .soil problems	Horticulture, Genetics, natural resources .departments	2019	2014	Publish a scientific research in accredited .magazine Conduct a scientific .seminar
	Studies on the pollution of soil, water, and .environment	Agricultural microbiology, Genetics, and natural resources .departments	2019	2014	Publish a scientific research in accredited .magazine Conduct a scientific .seminar

	Introducing new vital systems for desert cultivation depending on IPM and IFM .concepts	Agricultural microbiology, natural resources .departments	2019	2014	Publish a scientific research in accredited .magazine Attend a scientific .conference
	Applications of GIS and remote sensing systems on soil, water, and .environment	Natural resources .department	2019	2014	Publish a scientific research in accredited .magazine Conduct a scientific .seminar
	Studies on modern systems of irrigation and fertilization to improve usage .efficiency	Horticulture, Agronomy, natural resources .departments	2019	2014	Publish a scientific research in accredited .magazine Hold an agricultural .convoy
	Studies on reclamation and cultivation of .desert	Horticulture, Agronomy, natural resources .departments	2019	2014	Publish a scientific research in accredited .magazine Conduct a scientific .symposium
	Pedology and morphology studies on the western desert of Aswan .governorate	Natural resources .department Faculty of science(Geology)	2019	2014	Publish a scientific research in accredited .magazine Attend a scientific .conference

Natural resources and water	Remediation and reusing waste water for irrigation such as sewage and industry and agriculture drainage .water	Natural resources, Agricultural microbiology, Horticulture, and Genetics .departments	2019	2014	Publish 3 scientific researches in accredited .magazines Attend a scientific .conference Conduct annual scientific .seminar
	Studies on organic, bio-fertilizers, and reusing agricultural residues for improving crops quality and environment .preservation	Agricultural microbiology, Natural resources, Horticulture, Agronomy and Genetics .departments	2019	2014	Publish 2 scientific researches in accredited .magazines  Attend 2 scientific .conferences  Conduct annual scientific .seminar
	Studies on biofuel production from agricultural .residues	Natural resources, Agricultural microbiology .departments Faculty of energy .engineering	2019	2014	Publish a scientific research in accredited .magazine
Bio technology	Mechanisms of regulation and function of histone methylations in plant growth and development in response to environmental .I changings	Genetics department	2019	2014	Publish a scientific research in accredited .magazine

	Genetic studies and genetic fingerprinting of the local environment microorganisms	Genetics department Faculty of medicine Faculty of veterinary medicine	2019	2014	Publish a scientific research in accredited magazine  Attend a scientific conference  Conduct annual scientific seminar
	Animal genetic improvement for some economic characterizations	Genetics department Animal production department Faculty of veterinary medicine Directorate of veterinary medicine	2019	2014	Publish 2 scientific researches in accredited magazines  Conduct a scientific symposium
Plant protection	Studies on using modern techniques in pest control such as biological pesticides and using pheromones, etc	Plant protection department	2019	2014	Publish a scientific research  Conduct a scientific symposium
	Studies on using modern techniques in pest and diseases control	Plant protection department  Plant pathology department	2019	2014	Publish a scientific research in accredited magazine

	Elaborate the overall strategies of pest control which cause serious damage on the Egyptian .economy	Plant protection .department	2019	2014	Publish a scientific .research  Conduct a scientific symposium
	Survey, defining, and classifying of the main pests in the .region	Plant protection .department	2019	2014	Publish a scientific research in accredited .magazine
	Using integrated pest control to achieve the best and easiest applications of resisting palm's diseases and .pets	Plant protection .department	2019	2014	Publish a scientific .research  Conduct a scientific symposium
Food processing	Studies on using modern techniques in developing fishing industry and benefiting from the effluent of .fish	Food sciences .department	2019	2014	Publish a scientific .research  Conduct a scientific symposium
	Studies on meat substitute and its .products	Food sciences .department	2019	2014	Publish a scientific research in accredited .magazine



Agricultural engineering	Design and develop engineering circulation units for agricultural residues, and developing the agricultural institutions	Agricultural engineering, Natural resources, and Horticulture departments	2019	2014	Publish a scientific research  Conduct a scientific symposium
	Upgrade the agricultural institutions and control systems	Agricultural engineering, and Horticulture departments	2019	2014	Publish a scientific research in accredited magazine
	Using new energy and renewable energy resources in food processing engineering, water treatment and agricultural residues projects	Agricultural engineering, Food sciences, Natural resources departments	2019	2014	Publish a scientific research in accredited magazine
	Waste recycling in an industrial way	Agricultural engineering, Natural resources departments	2019	2014	Publish a scientific research in accredited magazine

Rural community and agricultural extension	Proliferation of the developed agricultural methods in the various plant, animal, husbandry and fish production among the farmers of old areas in .Aswan	Agricultural economics and extension, Agronomy, Horticulture, and animal production .departments	2019	2014	Publish a scientific research in accredited .magazine  Conduct agricultural .convoy  Hold a scientific .symposium
	Set the extension work programs in the various fields of agricultural production and improving the rural environmenta .l resources	Agricultural economics and extension .department	2019	2014	Publish a scientific research in accredited .magazine
	Build training programs to improve the human resources capacities in the agricultural .sector	Agricultural economics and extension .department	2019	2014	Publish a scientific research in accredited .magazine
	Developing Agricultural extension organizations corresponding with the circumstance s of the new land areas in .Aswan	Agricultural economics and extension .department	2019	2014	Publish a scientific research in accredited .magazine  Hold a scientific .symposium

	Factors of activating community-based organizations with agricultural activity in improving the performance of extension .work	Agricultural economics and extension .department	2019	2014	Publish a scientific research in accredited .magazine  Hold a scientific .symposium
	The interrelations between rural inhabitants and their rural domestic environment in Aswan .governorate	Agricultural economics and extension .department	2019	2014	Publish scientific .researches  Conduct an extension .convoy
	The requirements of success of repatriation in the new rural communities in Aswan .governorate	Agricultural economics and extension .department	2019	2014	Publish scientific .researches  Hold a scientific .symposium  Conduct an extension .convoy