

Fields of the research plan of Zagazig University 2019/2024

The fields of the research plan for Zagazig University were based on the problems faced by Sharkia Governorate and the attempt to solve them.

The plan was prepared in accordance with the state's directions in the field of scientific research, with priority given to the following axes: -

- (1) New and renewable energy fields.
- (2) Water sources, management and desalination.
- (3) Medical sciences in liver diseases and obesity.
- (4) Biotechnology and nanotechnology.
- (5) Agricultural sciences and food sources.
- (6) Information and communications technology

Therefore, the main and sub-research areas of the scientific research plan for Zagazig University 2019/2024, based on intensive meetings with academic leaders in all colleges and institutes in the period from January 31 to March 69, 2019, focused on the following areas:

<p align="center">State trends For scientific research 20/30</p>	<p align="center">Fields of scientific research at Zagazig University</p>	
	<p align="center">Main field</p>	<p align="center">Sub-field of research</p>
<p>First, the economic dimension includes the following topics:</p> <ul style="list-style-type: none"> - Science, technology and innovation - Economic and energy development 	<p align="center">1- Modern technologies and their application In various fields of science</p>	<p>Nanotechnology, stem cells, modern applications, and the possibility of activating them in treatment and early detection of diseases></p>
		<p>Hepatitis viruses, kidney diseases, common diseases, their prevalence rate, causes, diagnosis, how to treat and prevent them in Sharkia Governorate.</p>
		<p>Problems of malnutrition and its impact on public health, oral and dental health, and obesity diseases with diagnosis and treatment.</p>
		<p>Modern trends and theories, biotechnology, genetic engineering, mathematical modeling and their application in all fields.</p>
		<p>Comprehensive nursing care to improve public health.</p>
		<p>Modern applications in the field of sports medicine, alternative medicine and experimental medicine.</p>
		<p>New and renewable energy in light of sustainable development in various fields.</p>

<p>Secondly, the environmental dimension includes the following topics:</p> <p>- Environment and urban development</p>	<p>2- Optimal use of various resources and environmental safety</p>	<p>Agricultural and livestock production under conditions of environmental stress and optimal use of available resources.</p> <p>Water sources, management and desalination in Sharkia Governorate.</p> <p>Recycling and manufacturing agricultural and industrial waste.</p> <p>Pollution and environmental safety and its impact on human, animal and plant health, with modern techniques to reduce them</p> <p>Modern trends in the development and health of livestock, poultry and fish, and food health and safety.</p>
<p>Third, the social dimension, which includes the following topics:</p> <p>Social justice and education And training And culture</p>	<p>3- Solution Contemporary Egyptian problems</p>	<p>Contemporary economic and social problems</p> <p>Confronting violence, extremism, corruption and illiteracy.</p> <p>Legal and medical forensic aspects and their applications according to contemporary issues.</p> <p>Developing management systems and financial and accounting transactions.</p>

	<p>4- Building the contemporary Egyptian man It started from childhood</p>	<p>Academic and administrative professional development in light of quality standards.</p>
		<p>Sports and its role in developing values and consolidating belonging.</p>
		<p>Developing human resources and cultural awareness in light of sustainable development with human development for people with special abilities.</p>
		<p>Supporting competitiveness in light of globalization and information and communications technology.</p>
		<p>Innovation and entrepreneurship and their impact on improving performance.</p>
		<p>The history and antiquities of Egypt and the ancient Near East and all the various cultural aspects and comparative studies between them.</p>
		<p>Quality education and community service.</p>