SCIENTIFIC WORKS

1. Scientific topic "Scientific and methodological foundations for the development of electrical technology for plants, agricultural products, treatment of medicinal and waste water"

2. Scientific topic "Theoretical foundations and practical solutions for the use of electrophysical effects and energy efficiency coefficients of renewable energy sources (REF) in the processes of growing, processing and storing agricultural products"

3. Scientific topic "Development of a combined method and device for protecting engines of agricultural electric vehicles from abnormal modes"

4. Scientific topic "Effect of water disinfection by electrohydraulic effect and substantiation of parameters".

5. Scientific theme "Establishing the energy parameters of a combined electric vehicle."

6. Scientific theme "Establishing the energy parameters of a mobile power plant based on garland microgas".

7. Scientific work is being carried out on the scientific topic "Development of electrical technology for growing grape seedlings."

Projects carried out within the framework of scientific and technical programs at the department "Electrical technologies and operation of electrical equipment"

No.	Research topics	Goals and objectives of the project	Expected scientific, practical and economic results
1	Theoretical foundations and practical solutions for the use of electrophysical effects and energy efficiency coefficients of renewable energy sources (REI) in the processes of growing, processing and storing agricultural products.	The results of scientific research conducted in the republic and abroad on the topic, patent data are analyzed. The principles and directions of energy-ecological and technological improvement of modern technological and technical solutions have been formed. Theoretical foundations for increasing the efficiency of energy technological processes have been developed.	In the agro-industrial complex, the most modern scientific and technical solutions related to energy technological processes are studied and methods for solving the problems posed as a result of their analysis are determined, and goals and objectives are determined. Energy consumption costs are analyzed for each technological process and energy saving measures are developed. Interim report prepared