

## VMU DISSERTATION TOPICS FOR 2025 ADMISSION TO ENVIRONMENTAL ENGINEERING (T004) SCIENCE DOCTORATE

The doctoral right was granted to Kaunas University of Technology (KTU) together with Vytautas Magnus University (VMU) and the Lithuanian Energy Institute (LEI).

No.	Name of research supervisor last name	Dissertation topic title	Members of the research teamnariai
1	Algirdas Radzevičius	Use of glauconite and activated carbon for adsorption of heavy metals and phthalates from wastewater	Raimondas Šadzevičius
2	Antanas Juostas	Environmental impact analysis of automatic machine control systems	Egidijus Šarauskis; Eglė Jotautienė
3	Arvydas Povilaitis	The effect of nanobubbles filled with different gases on soil properties, plant water demand and pollution reduction in agriculture.	
4	Dainius Savickas	Utilizing Artificial Intelligence for Optimizing Agricultural Technological Operations to Reduce Environmental Impact: A Life Cycle Assessment Approach	Dainius Steponavičius
5	Dainius Steponavičius	Environmental impacts of different sugar beet harvesting technologies	Aurelija Kemzūraitė
6	Egidijus Kasiulis	Assessment of utilization of hybrid solar-hydro powerplants in Lithuanian conditions	
7	Egidijus Šarauskis	Determination of the most environmentally friendly park of agricultural machinery for a crop farm of different sizes and intensities.	Abdul Mounem Mouazen; Vilma Naujokienė

8	Egidijus Zvicevičius	Increasing the sustainability of drying technology by using environmentally friendly solutions	
9	Eglė Jotautienė	Research on the sustainable use of biochar for the production of organic granular fertilizers	Ramūnas Miedažys
10	Eglė Sendžikienė	Possibilities of using non-food grade fatty raw materials for energy purposes	Violeta Makarevičienė
11	Kęstutis Venšauskas	Reducing environmental pollution in food supply chains by implementing energy saving and organic waste utilization technologies	
12	Rolandas Bleizgys	Environmental impact of digitization/robotization of livestock farming technologies	
13	Simona Paulikienė	Increasing sustainability and efficiency in the processes of commercial preparation of agricultural products	Tomas Ūksas; Ernestas Zaleckas