Wastewater System Generates Energy, Produces Drinking Water

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Wei Liao, assistant professor of biosystems and agricultural engineering, is using a $1.92 million Department of Defense grant to develop a portable wastewater treatment system that could improve the military’s efficiency.

The solar-bio-nano project will also generate energy and produce drinking water, thus providing a potential blueprint for the future of municipal/agricultural wastewater treatment systems.

Working with Liao on the project are Ilsoon Lee, associate professor of chemical engineering, and Abraham Engeda, professor of mechanical engineering.

The project was one of 32 initiatives funded by the DoD’s Strategic Environmental Research and Development Program (SERDP).

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