

## **Project Summary**

**Project title “Smart and Sustainable management of Agricultural waste in Rural Areas: A road map for circular Economy and Living lab”**



### **Project summary:**

The project is winner of Prince Muhammad bin Fahd Award for ‘Best Joint Research Project between Arab Universities and International Universities’. Out of 650 applicants from universities in the Arab world, six winners were selected in the various categories of the award, and this project was selected as winner in that category with an award of 48,000 USD funded through Association of Arab Universities.

This project is being led by Dr. Noha Mostafa, Associate Professor at the Faculty of Engineering, along with partners from three universities: Shaqra University (Saudi Arabia), Kasdi Merbah University of Ouargala (Algeria), and University of Lincoln (United Kingdom).



*The*  
BRITISH UNIVERSITY  
IN EGYPT

**Objectives:**

The Objective of this project is to develop a framework for sustainable management of agricultural waste to minimize the total costs through bringing out the highest value from wasted materials and increase the added value; economically, environmentally, and socially. The project will incorporate several perspectives: sustainable development, reverse logistics, waste management, supply chain management, productivity and utilization improvement, recycling & reusing, entrepreneurship, women empowerment, and using smart technologies. A complete study will be developed on establishing circular economy living labs with case study in Egypt in collaboration with industry, government, universities, and local communities. The project serves the United Nations Sustainable Development Goals (UN SDGs) in addition to the strategic future visions of the three participating countries (Egypt Vision 2030, Kingdom of Saudi Arabia Vision 2030, and Algeria National Vision 2030).

For more information on the project, please visit its page:

<https://www.linkedin.com/company/waste-to-wealth-smart-sustainable-management-of-agricultural-waste/>

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