

THE AWARDS 2020

Research Project of the Year: STEM

Institution name	De Montfort University
Submission title or project name	Turning plastic water bottles into prosthetic limbs
Nominee/key personnel	Dr Karthikeyan Kandan
URL	https://www.greatbigstory.com/stories/from-plastic-to-prosthetic
Submission	<p>A research project conducted at De Montfort University Leicester (DMU) has successfully manufactured the first-of-its-kind prosthetic limb socket made from recycled plastic bottles.</p> <p>This innovative invention by Dr Karthikeyan Kandan, Senior Lecturer in Mechanical Engineering, could save healthcare providers millions, help tackle plastic pollution and have a huge impact on the quality of life for a significant percentage of the population with a disability, predominantly through restoring mobility to amputees in low and middle-income countries.</p> <p>This stellar achievement has been widely featured across a multitude of global news platforms, including the BBC, Daily Telegraph, CNN and Yahoo!, as well as several industry-related publications, and he has been chosen for Shining World Invention Award by the Supreme Master Ching Hai International Association.</p>