

FameLab Win for Health Sciences Student

Ms Yolanda Mngcongco, a Masters student in Environmental Health researching the intersection of Nanomedicine and Environmental Health with a focus on leveraging nanotechnology to mitigate environmental health issues represented Nelson Mandela University at the National FameLab competition in September. Through her research, she is developing eco-friendly silver nanoparticle filters to enhance hospital air purification systems to reduce infections and improve patient care for the most vulnerable. The nanoparticles are rendered environmentally safe, through a special process combining silver and medicinal plants. Her dedication and innovation have earned her the title of FameLab South Africa 2024 winner and the opportunity to represent the country on the international stage.



Above: Ms Y Mngcongco, MSc Environmental Health Student, 2024 South Africa FameLab.