

[Episode 4] Low-cost sustainable water filter (Nanofilter®) to facilitate easy access to clean drinking water.

Episode Introduction:

Over 70% of the population in Tanzania do not have access to safe water. The lack of access to the safe water causes serious waterborne diseases such as typhoid, diarrhea, and intestinal worms. Prof. Askwar Hilonga also grew up in the rural area of Tanzania, and he and his family faced those challenges. After he obtained his PhD in Chemical Engineering, he asked himself “What does my PhD mean to my community?”. This was the beginning of his journey to invent Low-Cost Water Filter (Nanofilter®) using nanomaterials to deliver safe drinking water. The impacts the Nanofilter® has made so far are 350,000 beneficiaries, 127 water stations, 127 employees and 22 awards. *Read the project story: [URL](#).

Guest lecturer:

- Prof. Askwar Hilonga, Professor at the Nelson Mandela African Institution of Science and Technology (NM-AIST), Director of Gongali Model Co.Ltd and Tanzania Human Development Foundation

Prof. Askwar Hilonga is the inventor of a “Low-Cost Water Filter (Nanofilter®)” which removes 99.99% of contaminants from water. He has received 21 reputable awards including World Health Organization (WHO) Health Prize, Pitch@Palace, and the Africa Prize for Engineering Innovation 2015, sponsored by the British Royal Academy of Engineering. Furthermore, he acts as the role model for “Academia for Society and Industry” at NM-AIST university.

Industries:

Water purification service, Nanomaterials

Lecture date and time:

2nd December, 2021, 12-13:00 PM (GMT)