DAAD | We support the Sustainable Development Goals

DAAD ALUMNI AND ALUMNAE FROM THE BMZ PORTFOLIO
Roshan Keshari
PhD student Bioscience and Bioengineering, Indian Institute of Technology Bombay, Mumbai, India

DAAD In-Country/In-Region Programme 2020–2024

ACADEMIC BACKGROUND

- PhD student in Bioscience and Bio-engineering, Indian Institute of Technology Bombay (India) with a short research stay at the Max Planck Institute for Intelligent Systems, Stuttgart (DAAD In-Country/In-Region Programme)
- Master in Pharmacy, Delhi Pharmaceutical Sciences and Research University (India) and
- Bachelor in Pharmaceutical Sciences Rajasthan University Of Health Science (India)

BMZ priorities

- Global Health
- Poverty and Hunger
- Feminist development policy
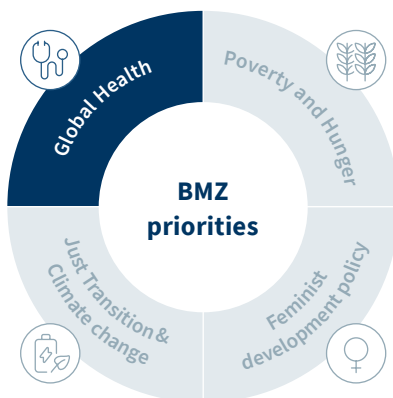- Just Transition & Climate change

Research for innovation in public health

Roshan Keshari is a fellow in the **DAAD Surplace/Third Country Program** (2020–2024) from **Nepal and is currently pursuing a PhD** in Biosciences and Bioengineering **at the Indian Institute of Technology Bombay** – one of the top 5 universities in India and part of the BMZ-funded Exceed network Sustainable Energies, Entrepreneurship and Development.

3 GOOD HEALTH AND WELL-BEING

Development of sustainable antiviral masks

Roshan Keshari's research focuses on nanoscience. For example, he is committed to tackling urgent global health problems through interdisciplinary research and practical solutions. Keshari decided during the COVID pandemic not to return to his home country of Nepal, but to stay in India to work together with his caregivers to develop a **low-cost, biodegradable mask with an antiviral protective film that is also effective against SARS-CoV-2**. The antiviral mask made of sustainable material, which can be washed up to 20 times is now **patented, ISO-certified and commercially available**.

BACKGROUND TO THE FUNDING PROGRAMME

In-Country/In-Region Programme in Developing Countries

Objective: Training of professionals and managers in developing countries

Measures: Scholarships for postgraduate studies up to doctoral level. Scholarship holders study at universities in their home country or in supra-regional institutions in the region, some of which are organised in networks.

Regions: Sub-Saharan Africa, Central America, South America, South and East Asia, South and East Asia, Middle East

Further information: https://www.daad.de/en/information-services-for-higher-education-institutions/further-information-on-daad-programmes/in-countryin-region-programme-in-developing-countries/

daad.de/sustainability