



DAAD ALUMNI AND ALUMNAE FROM THE BMZ PORTFOLIO

Jane Catherine Ngila

Executive Director, African Foundation for Women & Youth in Education, Sciences, Technology and Innovation

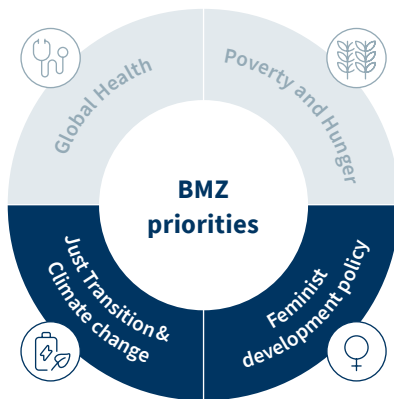
DAAD In-Country/In-Region Programme 1987–1989

ACADEMIC BACKGROUND

- Doctorate in Analytical Environmental Chemistry, University of New South Wales (Australia)
- Master of Science in Chemistry (DAAD In-Country/In-Region Programme) and Bachelor in Chemistry, Kenyatta University (Kenya)

LINKS TO GERMANY

cooperates with German universities in BMZ-funded programmes
[SDG Partnerships](#) and [SDG Alumni Projects](#)



Sustainable economic development - empowering women in water research Bridging the Gender Gap in STEM Research

Prof. Dr. Jane Catherine Ngila is a Kenyan **DAAD alumna of the Surplace/Third Country program** (1987–1989), **Visiting Professor** in Environmental Chemistry at the University of Johannesburg, one of the largest universities in South Africa and former Executive Director of the African Academy of Sciences. Since 2023, she has been the Executive Director of the African Foundation for Women & Youth in Education, Sciences, Technology and Innovation for the advancement of women and young people. She was recently appointed to the United Nations 10-Member Group for technology facilitation mechanism that supports the forum on STI for the SDGs.



Contribution to water research

Prof. Dr. Ngila has dedicated her life to research aimed at improving **water quality** and **resource management** on the African continent. In 2021, she was honored for the development of nanotechnology-based analytical methods for monitoring water quality to determine water pollutants, she was awarded the **UNESCO L'Oréal Prize for Women in Science** for her work in nanotechnology for water treatment.



Contribution to the advancement of women

In addition to water research, Prof. Dr. Ngila is dedicated to the **promotion of women in STEM subjects**. Her commitment is in line with the general efforts to empower women in STEM fields as well as youth in education and STI. The promotion of more women in water research aims to utilize different perspectives for innovative solutions to water problems. Recognizing the disproportionate impact of water scarcity on women, it advocates for their leadership. She was recently appointed to Membership of UNESCO Global Multistakeholder Advisory Committee for Women and Girls in Science.

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/>

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