

THE WORLD ACADEMY OF SCIENCES

for the advancement of science in developing countries



PAQUETE SCIENCES

About TWAS

TWAS, a global science academy founded in 1983 in Trieste, Italy, supports sustainable prosperity through research, education, policy, and diplomacy. With its partners, it grows scientific capacity in the global South, and has graduated over 1,000 PhDs and offered hundreds of postdoctoral fellowships to developing world scientists. TWAS also hosts some of the most prestigious scientific awards in the global South, has offered numerous research grants, and supports exchange visits for scientists. TWAS is a programme unit of UNESCO, and several of its programmes target LDCs.



“With man’s recent mastery of science and technology there is no physical reason left for the existence of hunger and want for any part of the human race.”
TWAS Founder Abubakar Abdu Salam (1928–1996)

TWAS by numbers

1,384 TWAS FELLOWS FROM **110** COUNTRIES

92 TWAS FELLOWS FROM **21** LDCs

27 ATTENDEES OF 2022 TWAS SCIENCE DIPLOMACY TRAININGS WERE FROM LDCs



TWAS PhD Fellowships

IN THE LAST TEN YEARS, **558** OUT OF **2,363** WERE OFFERED TO RESEARCHERS IN LDCs



TWAS Postdoctoral Fellowships

IN THE LAST TEN YEARS, **150** OUT OF **449** WERE OFFERED TO RESEARCHERS IN LDCs



“The students of the Central African Republic are highly motivated, and to succeed they only need support.”
TWAS Fellow Gaston Mandata M'Guerekata

TWAS Professors to LDCs

TWAS Fellow Gaston Mandata M'Guerekata is from the Central African Republic and currently a mathematician in the US. Through this programme he was able to visit the University of Bangui in his **country of origin** twice, and bring high-level mathematics there. He also supported the first student to graduate with a mathematics PhD from the University of Bangui.



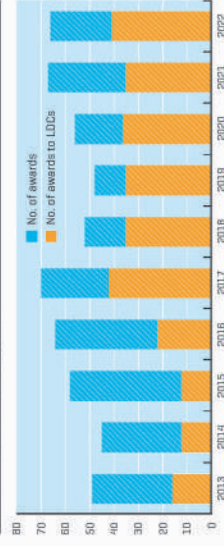
“The programme helped me develop both my lab work skills and my personal growth as a researcher.”
TWAS fellowship awardee Pragati Pradhan

TWAS-SISSA-Lincei

Research Cooperation Visits Programme

This programme enabled Pragati Pradhan, a biotechnologist from Nepal, to visit the International Centre for Genetic Engineering and Biotechnology in Trieste, Italy. She undertook research on the potential for some bacteria to promote the growth of coffee plants and received **training** in cutting-edge techniques.

TWAS Research Grants by year



TWAS-Sida PhD Fellowships

on Climate Research for Students from LDCs

The programme offers PhD scholarships to students pursuing research tied to **climate change**. It is supported by the Swedish International Development Cooperation Agency (Sida) in collaboration with the IPCC. The initial call generated much excitement, receiving 456 applications.

Collaboration with UN Technology Bank for LDCs

TWAS was deeply involved in the process that led to the formation of the UN Technology Bank for Least-Developed Countries. Last year, TWAS collaborated with them to initiate a new programme for **early-career LDC scientists** for visitations to labs in Italy, India and South Africa.



About OWSD

The **Organization for Women in Science for the Developing World (OWSD)** promotes the role of women in the development process and supports their representation in scientific and technological leadership. With more than 9,000 members in 107 countries and 52 National Chapters throughout the developing world, OWSD provides research training, career development and networking opportunities for women scientists, many of them from LDCs.



About IAP

Under the umbrella of the **InterAcademy Partnership (IAP)**, some 150 national, regional and global member academies (14 of which are in LDCs) work together to support the vital role of science in seeking evidence-based solutions to the world's most challenging problems. Individually and especially by working together in the IAP network, academies can advance sound policies, improve public health, promote excellence in science education, and achieve other critical development goals.