



## IsDB-TWAS Postdoctoral Fellowship Programme for Skills Building in Sustainability Science For Women only

The Postdoctoral Fellowship Programme for women is based on the 17 [Sustainable Development Goals](#) (SDGs).

### Programme Details:

The programme targets promising young female scientists from 21 Islamic Development Banks least developed member countries (LDMCs)\* to provide them with research training in key areas relevant to Sustainability Science. Only women are eligible.

*\*Eligible countries (LDMCs): Afghanistan, Bangladesh, Benin, Burkina Faso, Chad, Comoros, Djibouti, Gambia, Guinea, Guinea-Bissau, Mali, Mauritania, Mozambique, Niger, Senegal, Sierra Leone, Somalia, Sudan, Togo, Uganda and Yemen.*

### Fellowship Details:

- Through the Fellowship, the female awarded scientist will be provided with a monthly allowance based on the cost of living in the host country to cover expenses such as accommodation, food and health insurance
- The Fellowship will offer an allowance for laboratory bench costs up to \$2,565 as a contribution towards laboratory expenses necessary for the awardee's research
- The Fellowship will cover the cost of a round-trip air ticket up to \$1,000
- Any other travel expense (e.g. airport transfers and local transportation) will be the awardee's responsibility
- Information about living conditions (e.g. accommodation, transportation and any other issues related to the candidate's stay in the host country) must be obtained locally, directly from the host institution. Neither TWAS nor IsDB can provide this

- information
- Deadline for receipt of applications: **19 July, 2021 (11.59 p.m., Rome time, GMT+1)**

## Eligibility Criteria

Applicants must meet the following criteria:

- Hold a PhD degree in an area of science relevant to the research area of the Fellowship programme
- Be a woman up to 45 years of age at the time of application
- Choose a host institute in a developing country in the South from this [list](#)
- Provide an official acceptance letter from the host institute, at the time of application
- Be a national of and resident in one of the IsDB least developed member countries
- Be employed at a university or research institution in her home country.

IsDB-TWAS Postdoctoral Fellowships are tenable at centres of excellence in developing countries, i.e. research institutions with a well-established track record in research and demonstrated competency in a field relevant to Sustainability Science.

A host centre can also be identified by the candidate based on her particular area of research. In the latter case, TWAS and the scientific reviewers involved in the selection of awardees will make a decision on the suitability of the host institute proposed by the candidate. In all cases the host centre must be located in a developing country. An example of a valid host centre is provided by the [TWAS-CAS Centres of Excellence](#).

IsDB -TWAS Postdoctoral Fellowships are tenable for a minimum of 3 months to a maximum of 6 months.

## Fellowship Focus Areas

Major Fields	Sub-fields
Sustainable Agriculture	Food security, post-harvest technologies, land agrobiodiversity, resilient crops, food preservation in trade
Education	Quality of teaching, pupil/teacher ratio, high level training
Climate Change	Strategies for reduction of CO2 emissions, climate mitigation and carbon sequestration methods
Energy	Renewable energy technologies, fossil fuel dependency, energy trading, green trading, waste-to-energy technologies, biofuels including biogas, energy storage, hydrogen-fuel cell technology
Sustainable Cities	Green design, insulation technology, energy efficiency, transportation and inter/intra-urban trade, urban planning, population growth
Waste Management	Differential waste collection and recycling, carbon footprint reduction, household and industrial waste, e-waste, global trade waste and trade of e-waste, reduction of waste, waste management
Green Chemistry	Green and sustainable chemistry, chemistry and nanotechnology for the environment, alternative technologies, degradation of pollutants
Biodiversity	Loss of biodiversity, ecosystem services, 6th mass extinction
Plastic pollution and Micro-plastics	Plastic pollution, micro-plastics, plastic in the food chain, policies to reduce plastic usage, biodegradable plastic alternatives, plastic recycling processes, plastic waste trade.
Water and Hygiene	Water purity and availability, desalination technologies, underground water, sanitation and quality, water conservation and water trade

### Awarded scholars must:

- Not take up other assignments during the period of their fellowship
- Present a research plan agreed by their host supervisor
- Be financially responsible for any accompanying family members
- Be autonomous in regard to visa application, health insurance and housing in the host country

## How to apply:

- Applications must be submitted only **online via this [link](#) from 16 April until 19 July 2021**
- Applications submitted by any other means will not be considered
- No applications will be accepted after the deadline. Therefore, it is recommended to
- submit your electronic application as early as possible.
- Incomplete applications will not be considered. Applications from male researchers will be rejected

### Contact Details:

isdb@twas.org

TWAS Programmes Office

The World Academy of Sciences for the advancement of science in developing countries (TWAS)

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<http://www.twas.org/>

## Further Background

- **The [Islamic Development Bank \(IsDB\)](#)** is a multilateral development bank working to promote social and economic development in its member countries and in Muslim communities worldwide.
- **The [World Academy of Sciences for the advancement of science in developing countries \(TWAS\)](#)** is a UNESCO programme unit in Trieste, Italy, founded in 1983. TWAS principal aim is to promote scientific capacity and excellence in the South.

The Postdoctoral Fellowship Programme is focused on sustainability science. It aims to encourage candidates to taking account sustainable development in designing their research proposals for this fellowship programme.

The [2030 Agenda for Sustainable Development](#), adopted by all United Nations Member States in 2015, provides a shared long-term blueprint for peace and prosperity the planet and its people. At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries—developed and developing.