

A SAMPLE OF TWAS ACTIVITIES IN 2018

Max Paoli
TWAS Programme Coordinator

17 April 2019
22nd COMSATS Coordinating Council Meeting, Tianjin

- 1) Regional Research Grant Conference**
- 2) TWAS – IsDB Cooperation for Sustainability Science**
- 3) Dissemination efforts to reach out to LDCs**
- 4) Education for Sustainable Development: young scientists**
- 5) Possibilities for collaborations**

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TWAS PROGRAMMES

to support science in the developing world

- **PhD Fellowships**
- **Post-doctoral Fellowships**
- **Research grants**
- **Exchange Associateships**
- **Prizes and Awards**
- **Regional Partners**
- **Young Affiliates and TYAN**



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



Sida

‘Building Skills for Science in Africa’

2018 Research Grants Conference

28 – 31 August 2018
Dar es Salaam, Tanzania



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



Tanzania



Mali



Sudan



Burkina Faso



Uganda



Cameroon



Niger



Benin



Botswana



Togo



Kenya



Senegal



Madagascar



Congo Republic



Rwanda



Angola



Malawi



Ghana

GENDER BALANCE



49%
!!!

Key topics covered:

- African perspective and women in science
- Importance of publishing your research results
- International peer reviewed publications and predatory journals
- Plagiarism and academic honesty
- Collaborations and interdisciplinary research
- Transformational research and links with industry
- Patents and intellectual property
- The role of teaching
- Author Aid and mentorship for writing
- Writing and preparing a scientific research proposal
- Feedback on benefits of the grant and remaining challenges
- Sustainable development and SDGs

NETWORKING WORKSHOP



Rondro Baohanta (Madagascar), Amadou Hamadoun Dicko (Mali)

Dr. Ameera Adam (Sudan)

In December 2018 Ameera gave a seminar on “How to write a research proposal” inspired by one of the workshops at the TWAS Research Grant Conference in August 2018



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COOPERATION ON *SUSTAINABILITY SCIENCE* BETWEEN



TWAS – IsDB Project

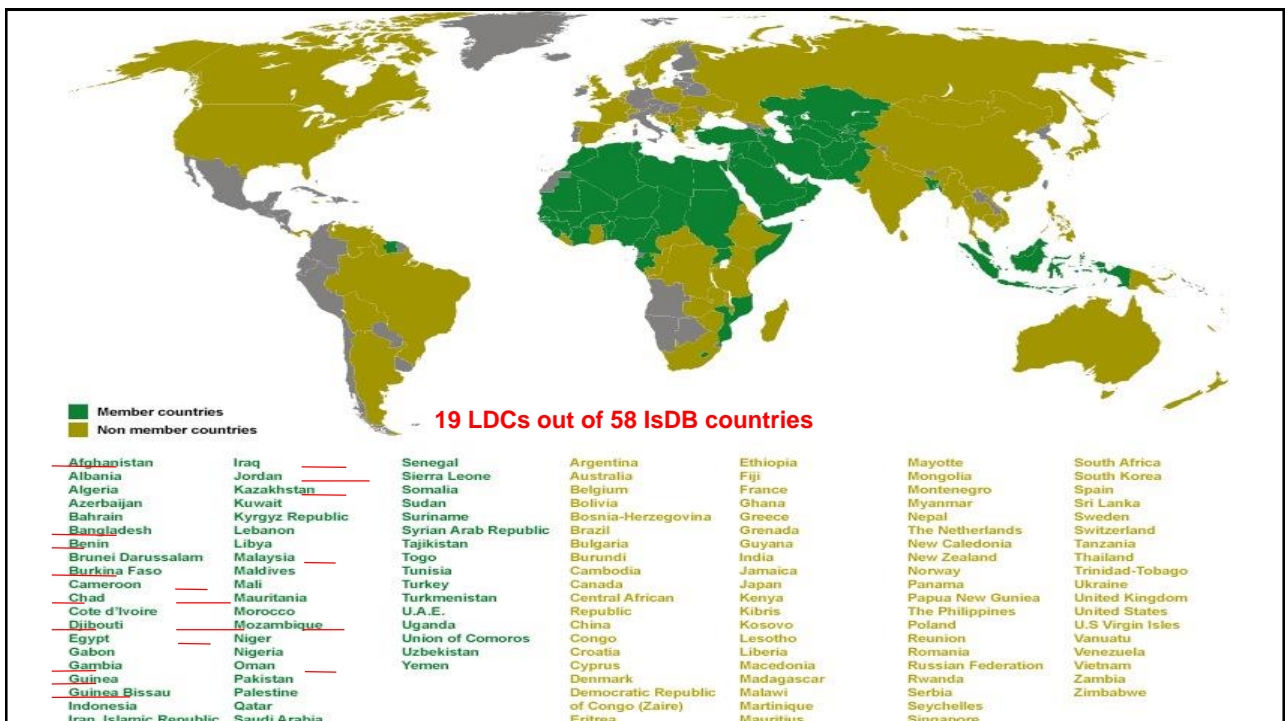
1) Research Grants

2) Post-Doctoral Fellowships



SPECIFIC AREAS OF FOCUS IN SUSTAINABILITY SCIENCE

- 1) Ecosystem services, conservation and management of natural resources.
- 2) The 6th mass extinction, biodiversity loss, land-use change.
- 3) Energy: renewable energy technologies, fossil fuel dependency, energy from fusion, waste-to-energy technologies, biofuels including biogas, energy storage, hydrogen-fuel cell technology.
- 4) Sustainable agriculture, agro-biodiversity, drought-tolerant varieties.
- 5) Climate change, carbon capture and storage, methane emissions and contribution to GHGs.
- 6) Plastic and microplastics, plastic in the food chain, biodegradable plastic alternatives.
- 7) Green and sustainable chemistry, chemistry and nanotechnology for the environment.
- 8) Water: purity, desalination technologies, underground water.



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NEW TWAS LIST OF 66 S&TL COUNTRIES

LDCs		OTHER LOW INCOME COUNTRIES	ADDITIONAL S&T LAGGING COUNTRIES
Afghanistan	Madagascar	Kenya	Bolivia
Angola	Malawi	Tajikistan	Cameroon
Bangladesh	Mali	Zimbabwe	Congo
Benin	Mauritania		Côte d'Ivoire
Bhutan	Mozambique		El Salvador
Burkina Faso	Myanmar		Ghana
Burundi	Nepal		Guatemala
Cambodia	Niger		Honduras
Central African Repl	Rwanda		Mongolia
Chad	Sao Tome and Principe		Nicaragua
Comoros	Senegal		Paraguay
Dem Repl Congo	Sierra Leone		Sri Lanka
Djibouti	Solomon Islands		Swaziland
Equatorial Guinea	Somalia		Syrian Arab Republic
Eritrea	South Sudan		Palestinian Autonom. Terr.
Ethiopia	Sudan		
Gambia	Tanzania		
Guinea	Timor-Leste		
Guinea-Bissau	Togo		
Haiti	Tuvalu		
Kiribati	Uganda		
Lao People's Dem Rep	Vanuatu		
Lesotho	Yemen		
Liberia	Zambia		

DISSEMINATION

- Angola
- Chad
- Eritrea
- Gambia
- Guinea
- Liberia
- Malawi
- Mali
- Mauritania
- Niger
- Sierra Leone
- Somalia
- South Sudan
- Zambia

COMSATS Member States

	People's Republic of Bangladesh		Republic of Kazakhstan		Democratic Socialist Republic of Sri Lanka
	People's Republic of China		Democratic People's Republic of Korea		Republic of the Sudan
	Republic of Colombia		Kingdom of Morocco		Syrian Arab Republic
	Arab Republic of Egypt		Federal Republic of Nigeria		United Republic of Tanzania
	Republic of The Gambia		Islamic Republic of Pakistan		Republic of Tunisia
	Republic of Ghana		State of Palestine		Republic of Turkey
	Islamic Republic of Iran		Republic of the Philippines		Republic of Uganda
	Jamaica		Republic of Senegal		Republic of Yemen
	Hashemite Kingdom of Jordan		Federal Republic of Somalia		Republic of Zimbabwe

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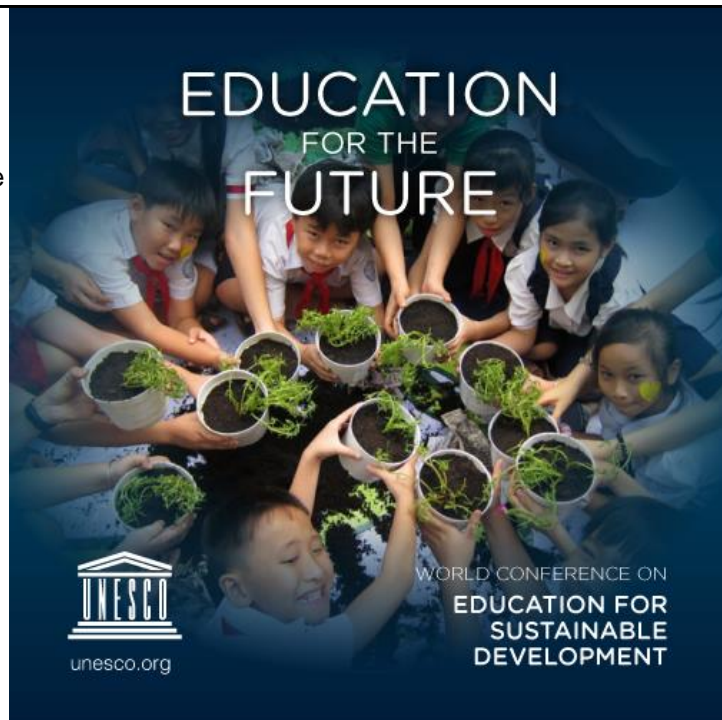
2005-2014:

DECADE for the

*Education for
Sustainable
Development*

initiative led by

UNESCO



News



PRESS ROOM

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News
11 June 2018

Share     

Global challenges: in youths' hands

Through a workshop aimed at promoting active citizenship among high school students, TWAS has exposed young minds to good practices inspired by the UN Sustainable Development Goals, stimulating active thinking on global urgent matters.



Students from Scuola Media Igo Gauden, Aurisina, listening to an instructor. (Photo: E. Vucelja)

THE ROLE OF SCIENTISTS

- **Keep an open mind and a wide perspective**
- **Educate and communicate**
- **Role model**
- **Moral and social responsibility**



TWAS is committed to raising awareness of the SDGs and promoting ESD

10h30 TWAS-Elsevier Foundation
Special Session
CHAIR | Max Paoli
1. The role of science for
sustainable development (Max Paoli)
2. The Elsevier Foundation: support
for sustainability (Juliana Trajano)
TWAS-Elsevier Foundation
Sustainability Case Studies
Competition Winners
1. Abiola Ezekiel Taiwo
2. Susan Moraa Nyasimi
3. Brice Landry Koloko
4. Oscar Donde
5. Rahiel Hagos Abraha

12h LUNCH | BOSSA CAFÉ - 3RD FLOOR

13h Workshop: The role of young scientists in achieving
the UN Sustainability Development Goals
Introduction to the sustainability workshop and splitting into groups
Discussion workshops (3 thematic groups)
Mini presentations of action points

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**THE WORLD ACADEMY OF SCIENCES**
for the advancement of science in developing countries

TWAS PLUSCONTACTSLOGINLOW BANDWIDTH

ABOUTNETWORKOPPORTUNITIESSCIENCE POLICYNEWSPUBLICATIONSDONATE

Search

Opportunities

> Fellowships

> Research Grants

> Scientific Meetings

> Prizes & Awards

> Visiting Scientists



> Visiting Professors

> Visiting Researchers

The Elsevier Foundation - TWAS Sustainability Visiting Expert Programme

This programme aims to provide institutions and research groups in developing countries, especially those with limited outside contacts, with the opportunity to establish long-term links with world leaders in sustainability and further build capacity building in their countries.

Deadline 1 March 2018	Partner Organizations The Elsevier Foundation	Hosting Countries Developing countries in the South Eligible applicants Minimum degree held PhD	Field Sustainability Age limit None
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Opportunities

- > Fellowships
- > Research Grants
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 - > Visiting Professors
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TWAS-UNESCO Associateship Scheme

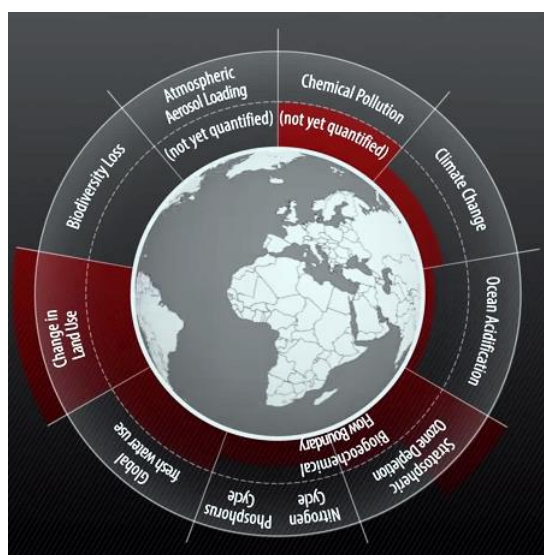
In collaboration with UNESCO and a number of centres of excellence in the South, TWAS has instituted a Joint Associateship Scheme to enable competent researchers from the South to visit these centres regularly. An associate is appointed for three years during which he/she can visit a Centre twice for research collaboration. Almost 300 centres have been selected to participate in the Scheme.

Deadline 5 December 2018	Partner Organizations -	Hosting Countries Associateship countries Eligible nationality Developing countries in the South	Field Natural sciences Age limit None
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GLOBAL CHALLENGES, SUSTAINABILITY ISSUES, SGDs

COMSATS and TWAS

can join forces in their efforts to sensitize scientists and young researchers to the SDGs and the whole context of planetary boundaries.



Thank you for your attention

Max Paoli

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