



# TWAS Elsevier Foundation North- South Sustainability Collaboration

Juliana Trajano  
on behalf of **The Elsevier Foundation**

Rio de Janeiro, 22<sup>nd</sup> September 2017

# Who we are



Over the past decade, the Elsevier Foundation has awarded over 100 grants worth millions of dollars to non-profit organizations focusing on the world's libraries, nurse faculties and women scholars during their early and mid-careers.

Funded by Elsevier, a leading scientific, technical and medical information solutions provider, the Elsevier Foundation contributes over \$1 million USD a year to non-profit organizations.

In 2016, we launched new partnership-driven programs to support innovations in health, research in developing countries, diversity in science and technology for development.

THE ELSEVIER FOUNDATION

# What we do



Support information technologies and organizations engaged in clinical care.

Promote diversity to advance women in science and outreach for underserved youth.

Building stronger research ecosystems in developing countries.

Tech awards in our diversity, health and research program areas.

**THE ELSEVIER FOUNDATION**



# TWAS Elsevier Foundation North-South Sustainability Collaboration

The TWAS Elsevier Foundation North-South Sustainability Collaboration aims to boost the 2% of sustainability research contributed by researchers in low-income countries, and to involve and inspire scientists in those countries to help find the solutions that work best for their societies.

## 3 main goals for partnership:

- Boost North-South collaboration in sustainability science;
- Raise awareness about the need for sustainability science;
- Offer opportunities to scientists in low-income countries to contribute to the body of sustainability research.



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*Dr. Yahkat Barshep teaching a field class in biodiversity conservation to university students in Liberia as part of her Sustainability Visiting Expert assignment.*

# What's in our North-South Sustainability Collaboration?



## 1) Ph.D. Fellowship Travel Grants

TWAS gives 400 Ph.D. fellowships a year in China, Brazil, South Africa and Malaysia. South-South knowledge exchange helps to avoid brain drain. We offer sustainability science travel grants enabling students to take up placements.

**2016:** 10 travel grants **2017:** 25 travel grants

## 2) Sustainability Case Studies Competition for Ph.D. Students

Promotes awareness of food security, climate change, water and sanitation issues, stimulating young scientists to think of challenges as relevant to their countries.

**2017:** 5 African winners! **Prize:** \$1000 and TYAN Conference

## 3) Visiting Sustainability Experts

Brings sustainability expertise to institutions in least developed countries and promotes knowledge exchange.

**2016:** 4 travel grants for professors from China, the US, Germany and Nigeria teach in Liberia, South Africa, Cambodia and Lesotho.

**2017:** 6 more experts

## 4) Sustainability Symposium at TWAS Annual Meeting

In 2016, Rwanda hosted the annual TWAS meeting with 200 scientists from 50 countries; EF organized “Facing Global Epidemics” panel of experts.



# OWSD Elsevier Foundation Awards for Early Career Women Scientists in Developing Countries



Do you know a great woman scientist working in chemistry, mathematics or physics? Nominate her for the OWSD-Elsevier Foundation Early Career Women Scientists in developing countries award!

**Deadline: September 15<sup>th</sup>, 2017**

**Award:** \$5000; award is given at the American Association for the Advancement of Science annual meeting in Austin, Texas February 2018.

# Elsevier Foundation Green & Sustainable Chemistry Challenge



## 2017 Winners:

1<sup>st</sup> Prize 50,000 Dr. de Lima on  
“Biosurfactants to Combat  
Mosquito-Borne Diseases”.  
(Brazil)

2<sup>nd</sup> Prize \$25,000 Dr. Chioma  
Chikere on “Crude oil-polluted site  
ecorestoration in the Niger Delta”.  
(Nigeria)

We're looking for innovative, environmentally sustainable ideas in chemistry!

- Deadline Phase 1 Proposal: October 15<sup>th</sup>
- Top 50 invited for Phase II: November 15<sup>th</sup>
- \$50,000 first Prize and \$25,000 2<sup>nd</sup> Prize!
- Top 5 invited to Green & Sustainable Chemistry Conference in Berlin, May 2018



# THE ELSEVIER FOUNDATION

HEALTH &amp; INNOVATION

RESEARCH IN DEVELOPING COUNTRIES

DIVERSITY IN STM

TECHNOLOGY FOR DEVELOPMENT



THE ELSEVIER FOUNDATION supports partnerships to advance diversity in science, research in developing countries and global health

[READ MORE ABOUT THE FOUNDATION](#)

## Featured Media



### 2016 Elsevier Foundation Awards for Early-Career Women Scientists in the Developing World

The Elsevier Foundation Awards for Early-Career Women Scientists in the Developing World recognize excellence in research achieved by scientists in developing countries. We hold the awards in partnership with the Organization for Women in Science for the Developing World (OWSD) and The World Academy of Sciences for the advancement of science in developing countries (TWAS).

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## NEWS

### PAST PROGRAMS 2006-2015

### FAQS



Awards to honor women's contributions to engineering, innovation and technology  
22 June 2016

Why are women's innovations so important in the developing world? It is well known that women generally take fewer STEM [...]



Children peering into their futures – this is rocket science  
5 December 2016

Exploring science and health professions helps children in underprivileged neighborhoods expand possibilities Sumala Heinze still remembers the day she

### Call Open for 2017

[More information](#)

### Matching Gift



The Elsevier Foundation matches donations to charitable organisations personally supported by employees.

[Read more](#)

### Twitter Feed

 RT @TechWomen: Who are TechWomen? Watch: <https://t.co/HUj3mEnMRY> #mondaymotivation  
18 hours ago

 Unexplored knowledge empowered - watch the video <https://t.co/Enz3gknw5R> and enjoy the rocket launch #IMCWeekendSchool #partnership #future  
21 hours ago

 .@ElsFoundation partner IMC Weekend School Amsterdam in action <https://t.co/kDpgy1lIQd> #empowering #unExplored... <https://t.co/uYZBgT7d1O>  
23 hours ago

# Thank you!

For more on our partnerships and latest news, visit:  
[www.elsevierfoundation.org](http://www.elsevierfoundation.org)

More information?  
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