



Organization for Women in Science for the Developing World (OWSD)

*European Mathematical Society
Committee for Developing Countries
ICTP, 8 April 2016*

Tonya Blowers, OWSD Programme Coordinator

Why women, why maths, why developing countries?



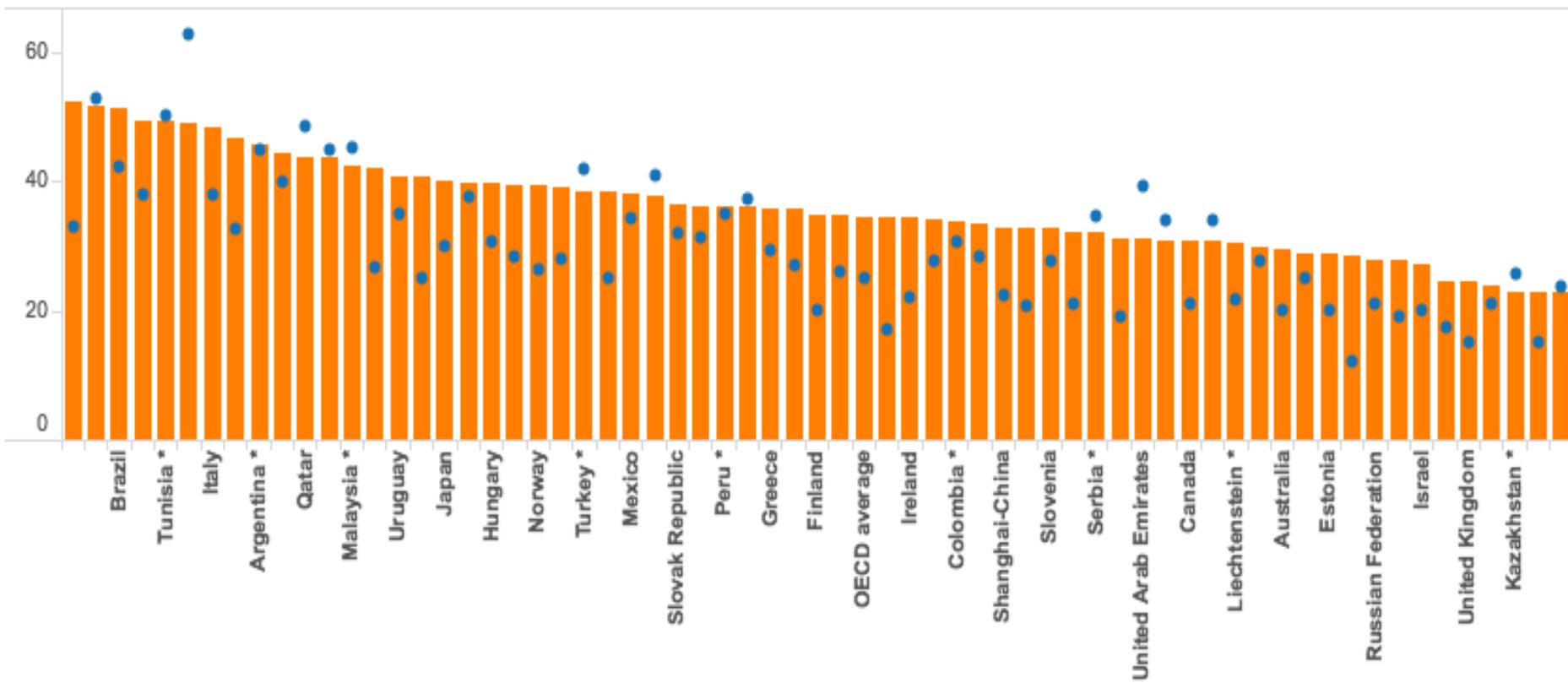
Select Indicator of anxiety towards mathematics

% of girls and boys who report feeling helpless when doing a mathematics problem

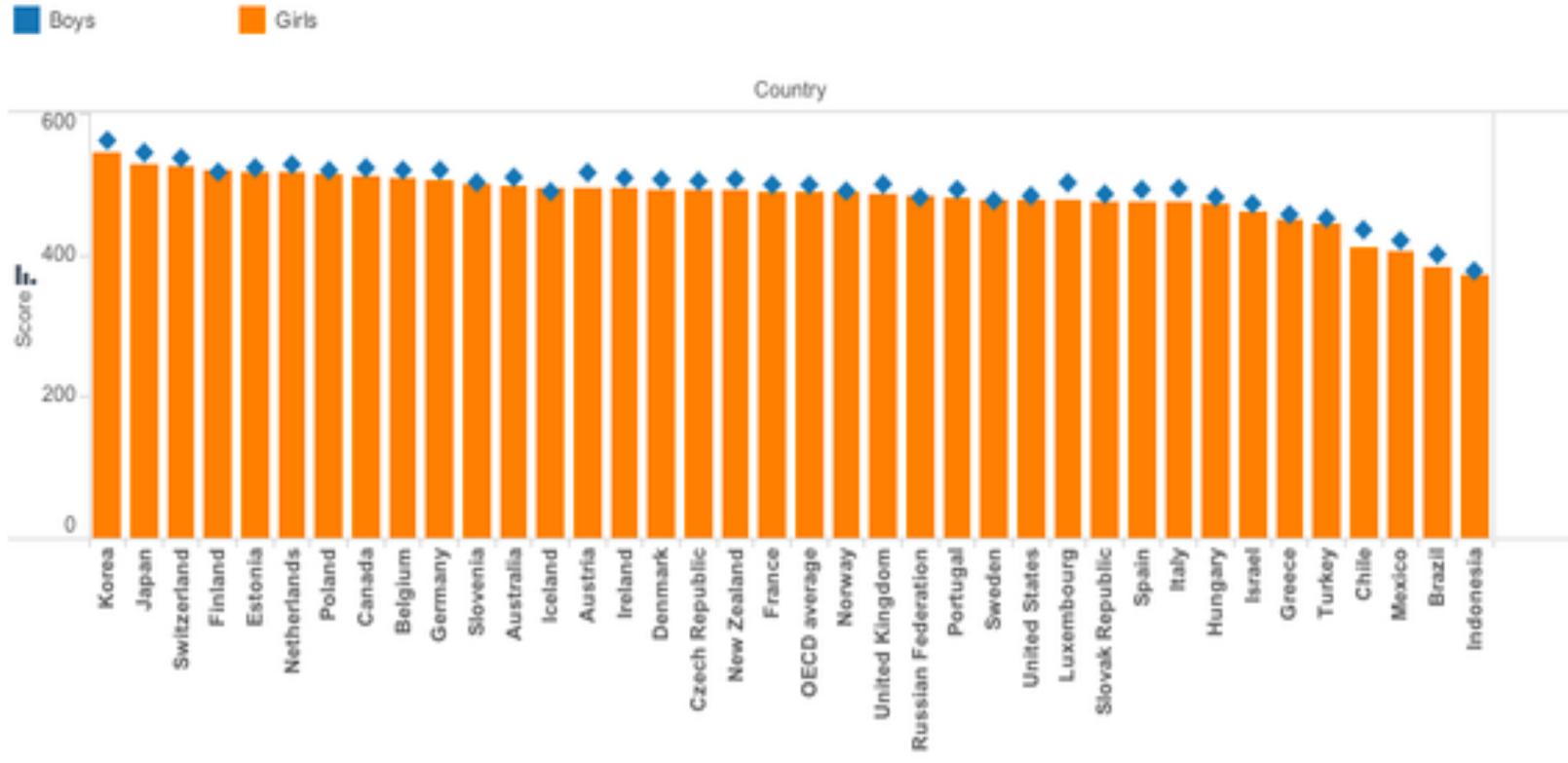
Boys

Girls

Country

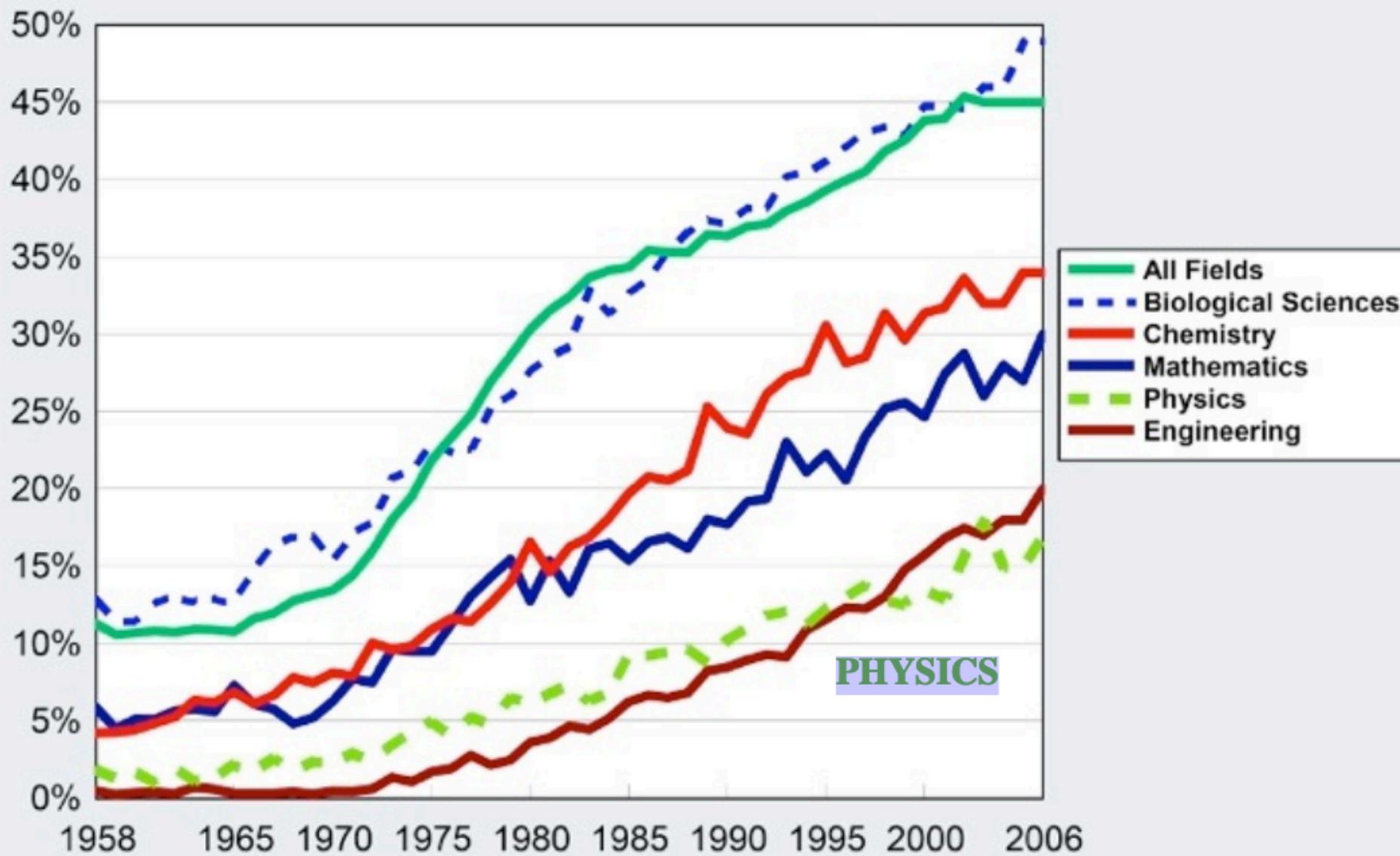


Source: OECD Pisa 2012 Database. Note: An asterix next to the country name denotes countries where the gender gap is not statistically significant.

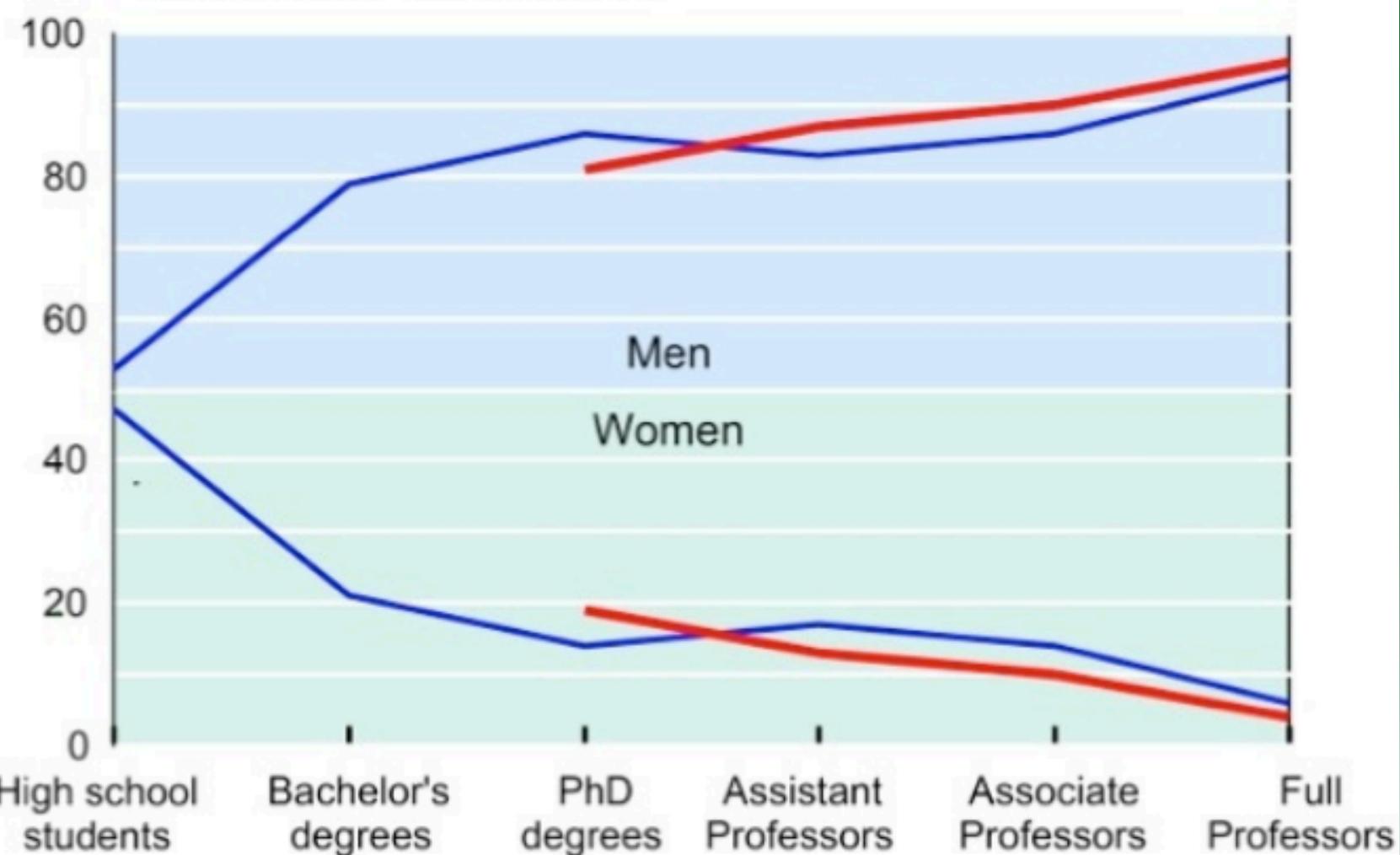


PISA math test score (OECD)

Percent of PhDs earned by women in selected fields, 1958-2006 (USA)



- Actual 2005, 2006 (USA)
- Expected is based on available pool of women physicists in the past



Source: American Institute of Physics Statistical Research Center

OWSD Fellowships

Joint South - South Scheme



Host institute

- Stipend, travel, visa, medical insurance
 - \$5,000 per fellowship for research visits and conference travel
 - Attendance at regional workshop
 - Attendance at General Assembly
- Tuition fees
 - Registration fees
 - Bench fees

OWSD Fellowships

- **395 awardees**
- **171 graduates**
- **98 onsite**



European Mathematical Society Committee for Developing
Countries Annual Meeting, ICTP, 8 April 2016

Eligible countries

48 *Africa*

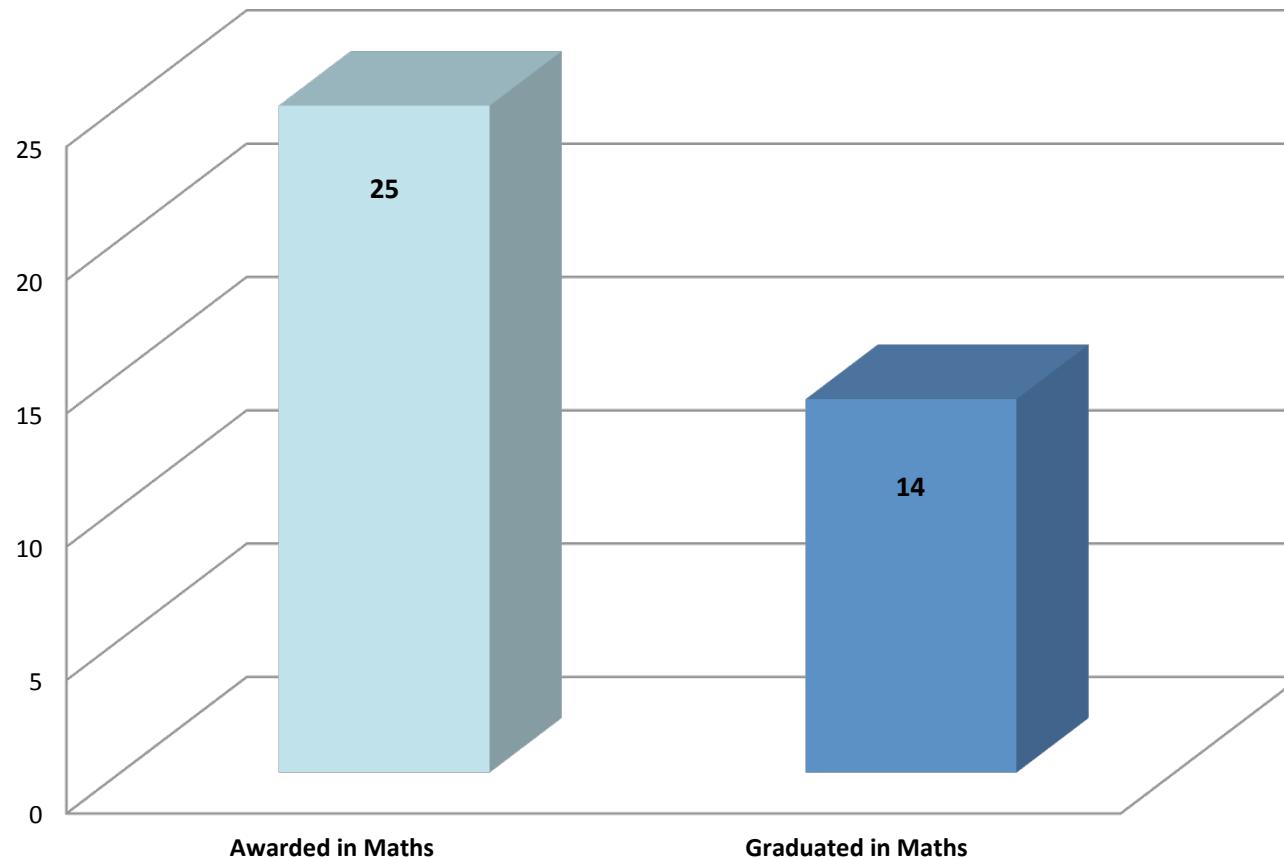
14 *Asia & Pacific*

3 *Arab region (Djibouti,
Yemen, Sudan)*

1 *Latin America (Haiti)*



Awards and graduations in Maths since 1999



PhD awardees in Maths since 1999

Nationality	Host Institute	Host Country	Study scheme
Benin	École Supérieure Polytechnique (ESP), Dakar	Senegal	Full Time
Burkina Faso	Université d'Abomey Calavi (UAC)	Benin	Full Time
Cameroon	University of Nigeria Nsukka	Nigeria	Full Time
Congo, Rep.	Centro de Investigación y de Estudios Avanzados (CINVESTAV)	Mexico	Full Time
Ethiopia	University of Botswana	Botswana	Sandwich
Ghana	Pontifícia Universidade Católica do Rio de Janeiro	Brazil	Full Time
Kenya	University of Cape Town	South Africa	Full Time
Kenya	University of Cape Town (UCT)	South Africa	Full Time
Kenya	Stellenbosch University	South Africa	Full Time
Lesotho	University of Stellenbosch	South Africa	Full Time
Malawi	University of Witwatersrand	South Africa	Full Time
Nigeria	University of Nairobi	Kenya	Sandwich
Nigeria	Chinese Academy of Sciences (CAS)	China	Sandwich
Nigeria	University of KwaZulu-Natal	South Africa	Sandwich
Nigeria	University of Pretoria	South Africa	Full Time
Senegal	University of the Witwatersrand	South Africa	Sandwich
Sudan	University of Cape Town (UCT)	South Africa	Full Time
Tanzania	DST/NRF Centre of Excellence in Epidemiological Modelling and Analysis	South Africa	Full Time
Tanzania	University of Cape Town	South Africa	Full Time
Tanzania	Catholic University of Eastern Africa (CUEA)	Kenya	Full Time
Uganda	University of KwaZulu-Natal	South Africa	Full Time
Zambia	University of Cape Town	South Africa	Full Time
Zimbabwe	University of Stellenbosch	South Africa	Sandwich
Zimbabwe	University of KwaZulu-Natal	South Africa	Full Time
Zimbabwe	University of Cape Town (UCT)	South Africa	Full Time

(LDCs marked red)

PhD graduates in Maths since 1999

Nationality	Host Institute	Host country	Study scheme
Benin	Ecôle Supérieure Polytechnique (ESP), Dakar	Senegal	Full Time
Burkina Faso	Université d'Abomey Calavi (UAC), Benin	Benin	Full Time
Cameroon	University of Nigeria Nsukka	Nigeria	Full Time
Congo, Rep.	Centro de Investigación y de Estudios Avanzados (CINVESTAV)	Mexico	Full Time
Ghana	Pontifícia Universidade Católica do Rio de Janeiro	Brazil	Full Time
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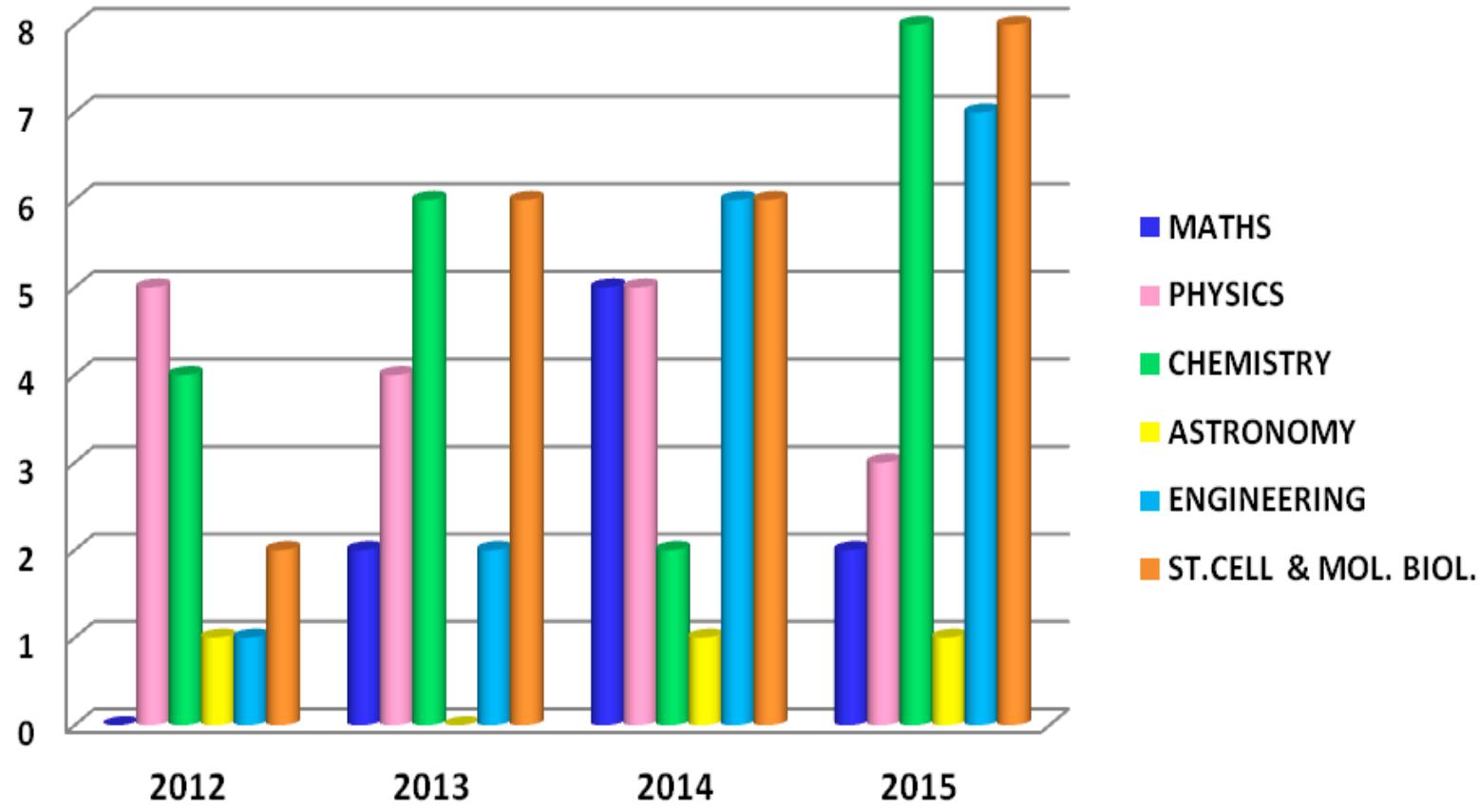
(LDCs marked red)

Abeer Ahmed Qaed

- Head of Pharmacy Dept. of Al-Saeed University in Taiz, Yemen.
- 2007- 2012 OWSD PG from the Chengdu Institute of Biology, CAS, China.
- Elected Executive board member of the Yemen Women Association for Science & Technology for development
- Winner of BioVision Next fellowship, Egypt (2012).
- Winner of BioVision Next fellowship, France (2013).
- Selected to attend 2014 AAAS-TWAS Science Diplomacy course.



Awards in Basic Sciences (2012-2015)



Career Development

CAMEROON

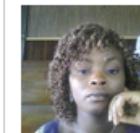


There is no OWSD national chapter in this country at present. To find out more about setting up a national chapter please read the [National Chapter Guidelines](#).

113 Members



[FIND MORE](#)



Clarisse Yafi Njua
Biological Systems and Organisms



Marie Ide Ngaha Njila
Agricultural Sciences



Edith Pascale Mofo Mato
Structural, Cell and Molecular Biology

[FIND MORE](#)

KENYA



There is no OWSD national chapter in this country at present. To find out more about setting up a national chapter please read the [National Chapter Guidelines](#).

107 Members



FLORENCE WANJA KAMONJO
Other



Elizabeth Muoria
Other



Ruth L. Wabwile
Physics

Career Development

Career Development

2. Fellowship



Postgraduate Training Fellowships for Women Scientists from Sub-Saharan Africa and Least Developed Countries (LDC) at Centres of Excellence in the South. The Fellowship is offered **to women scientists** to pursue postgraduate research in a field of the natural sciences.

[Read more](#)



Regional Workshops in Scientific Writing

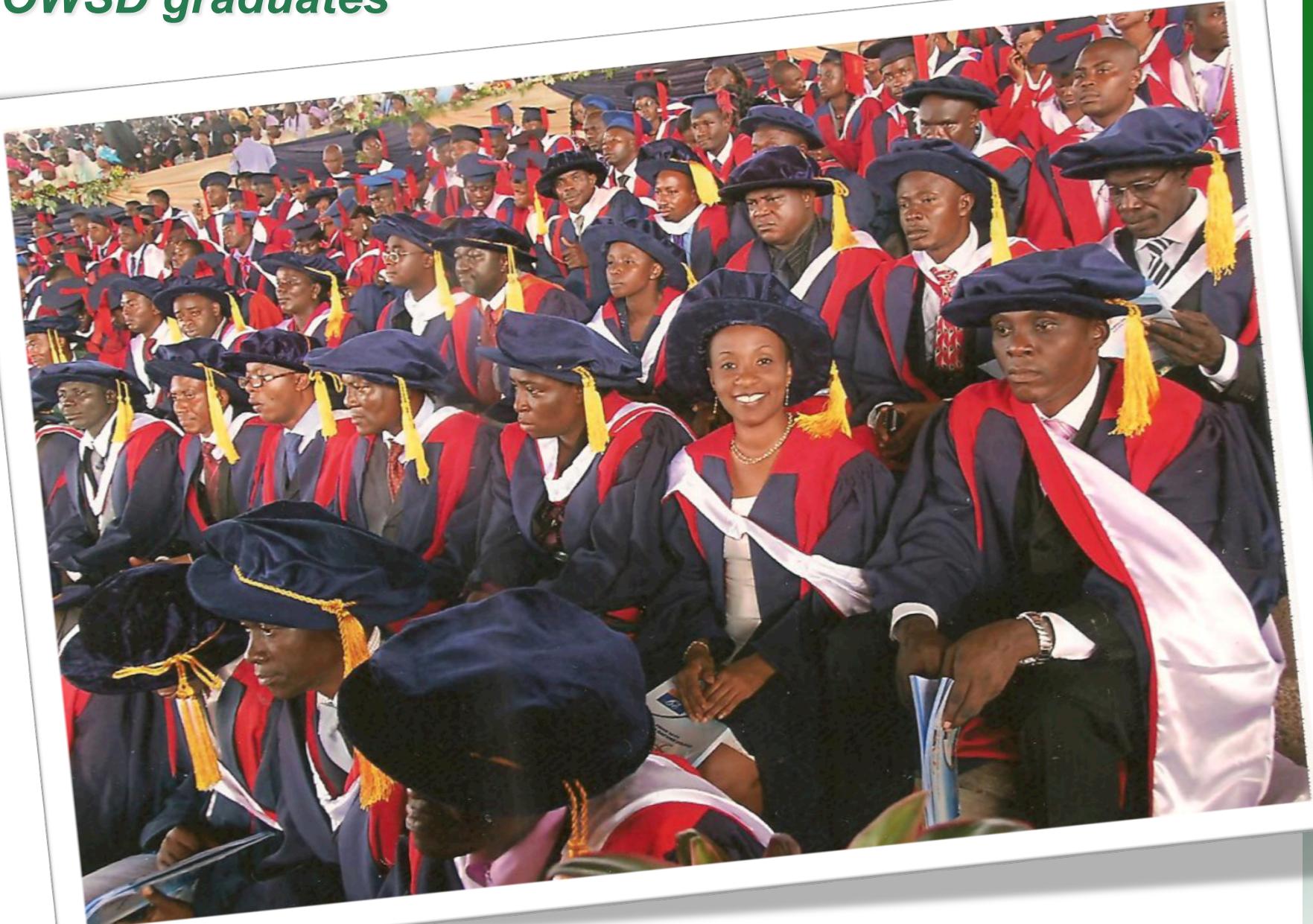


Agreements with Host Institutes

- Improved communication with host institutes
- Increased in-kind contribution
- Increased awareness and improved service by host
- Faster admission process
- Personalized contact with each host institute



OWSD graduates



European Mathematical Society Committee for Developing
Countries Annual Meeting, ICTP, 8 April 2016

ELSEVIER awardees 2013 – 2015:

	Surname	Name	Nationality	Field of study	Year of Award
1	Akhter	Nasima	Bangladesh	Medical Science, nuclear science	2013
2	Basaleem	Huda Omer	Yemen	Medicine, public health and nutrition, community health	2013
3	Erdenechimeg	Namjil	Mongolia	Biochemistry and biology	2013
4	Fred-Jaiyesimi	Adediwura	Nigeria	Botany, pharmacognosy	2013
5	Gamboa	Dioncia	Peru	Biology, biochemistry and molecular biology	2013
6	Badal Mc Creath	Simone Ann Marie	Jamaica	Chemistry	2014
7	Dauqan	Eqbal Mohamed Abdu	Yemen	Chemistry	2014
8	Elufioye	Taiwo Olayemi	Nigeria	Pharmacognosy	2014
9	mamadalieva	Nilufar	Uzbekistan	Chemistry	2014
10	Ritmaleni	Leni	Indonesia	Chemistry	2014
11	Adeniyi	Mojisola Oluwayemisi	Nigeria	Physics	2015
12	Eassa	Nashwa	Sudan	Physics	2015
13	Oanh	Dang Thi	Vietnam	Mathematics	2015
14	Sa'id	Rabia Salihu	Nigeria	Physics	2015
15	Usikalu	Mojisola Rachael	Nigeria	Physics	2015



Thank you

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www.owsd.net