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| elsevierlogo | **The Elsevier Foundation Awards for Early CareerWomen Scientists in the Developing World***In recognition of young women scientists from scientifically lagging developing countries who have made significant contributions to science.***Organized in collaboration with:**

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| **TWAS_Pantone_sm.jpg** |  |
| The World Academy of Sciencesfor the Advancement of Science in Developing Countries (TWAS) | Organization for Women in Science for the Developing World (OWSD) |

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**2017 Nomination Form**

**Engineering Sciences: engineering, innovation and technology**

**NEW DEADLINE!**

**~~1 SEPTEMBER 2016~~**

**15 September 2016**

**Collaborating Organizations**

**TWAS** – www.twas.org – **The World Academy of Sciences for the Advancement of Science in Developing Countries** is an autonomous international organization founded in Trieste, Italy, in 1983. TWAS, which currently counts more than 1,000 eminent scientists as members, represents the best of science in the developing world. Its principal aim is to promote scientific capacity and excellence for sustainable development in the South. The administration and financial operation of TWAS is undertaken by UNESCO in accordance with an agreement signed by UNESCO and the Italian government for TWAS.

**OWSD** – www.owsd.net – **The Organization for Women in Science for the Developing World** (OWSD) was founded in 1987 and is the first international forum to unite eminent women scientists from the developing and developed worlds with the objective of strengthening their role in the development process and promoting their representation in scientific and technological leadership. OWSD is an international organization affiliated with TWAS and based in Trieste, Italy and with national chapters throughout the developing world. Headed by eminent women scientists from the South, OWSD has more than 4,500 members. The Organization aims to increase women’s participation in science and technology in the developing world through academic scholarships and prizes as well as networking activities throughout the South.

The **ELSEVIER FOUNDATION** – www.elsevierfoundation.org – provides support for institutions in the global health and science communities working to advance scholarship and improve lives through scientific, technical and medical knowledge. In support of this mission, the Foundation focuses its grant-making on support for the world’s libraries and for scholars, especially women, in the early stages of their careers.

***Please read the information provided below to ensure that the candidate you are nominating fulfils all the requirements***

ABOUT THE AWARDS

The Elsevier Foundation Awards for Early Career Women Scientists in the Developing World are designed to recognize and highlight the achievements of women scientists working and living in developing countries who have made significant contributions to the advancement of scientific knowledge.

Each year a total of five winners are selected, one from each of the following regions: *Latin America and the Caribbean; East and South-East Asia and the Pacific; Arab region; Central and South Asia; Sub-Saharan Africa* (see complete list of countries below).

The awards are assigned in the following fields (see the attached annex for detailed information):

**2016: Biological Sciences: agriculture, biology and medicine**

**2017: Engineering Sciences: engineering, innovation and technology**

**2018: Physical Sciences: chemistry, maths and physics**

The winning women of the 2016 edition will be celebrated for their research excellence. Each winner will receive USD 5,000, generously contributed by the Elsevier Foundation and all-expenses-paid attendance at the Annual Meeting of the American Association for the Advancement of Science (AAAS) in February 2016 in Washington, D.C., USA, where the awards ceremony will take place. The ceremony and conference provide invaluable networking opportunities for the candidates.

Winners may also be asked to act as mentors to selected young women scientists undertaking PhD scholarships through the OWSD South-South PhD programme, and will receive training in this regard.

ELIGIBILITY

Nominees must have received their PhD within the previous 10 years and be a female scientist living and working for 3 years immediately prior to the nomination in one of the following developing countries:

**Latin America and the Caribbean:** Belize**,** Dominican Republic**,** Ecuador**,** El Salvador**,** Guatemala**,** Guyana**,** Haiti**,** Honduras**,** Jamaica**,** Nicaragua**,** Paraguay**,** Peru, Suriname.

**East and South-East Asia and the Pacific:** Bhutan**,** Cambodia**,** Indonesia**,** Kiribati**,** Korea DPR**,** Lao PDR**,** Mongolia**,** Myanmar**,** Papua New Guinea**,** Samoa**,** Solomon Islands**,** Timor-Leste**,** Tuvalu**,** Vanuatu**,** Vietnam

**Arab region:** Comoros Islands**,** Djibouti**,** Mauritania**,** Somalia**,** Sudan**,** Yemen.

**Central and South Asia:** Afghanistan**,** Azerbaijan**,** Bangladesh**,** Kyrgyzstan**,** Maldives**,** Nepal**,** Tajikistan**,** Uzbekistan.

**Sub-Saharan Africa:** Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Congo Dem. Rep., Congo Rep., Côte d'Ivoire, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea-Bissau, Guinea, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mozambique, Niger, Nigeria, Rwanda, São Tome and Principe, Senegal, Sierra Leone, South Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

**NOMINATIONS**

Nominations are invited from senior academics in the relevant fields, e.g. members of national science academies, OWSD members, TWAS Fellows, ICTP visiting scientists and staff, heads of departments, heads of universities, etc.

Self-nominations or nominations by selection committee members are not accepted.

Please note that the following documents must be submitted:

1. This nomination form, signed by the nominator. Please save in the format SURNAME\_Initial\_NomForm.doc (*e.g.* SMITH\_A\_NomForm.doc if the candidate's name is Ann SMITH);

2. The candidate's curriculum vitae including full list of publications (SURNAME\_Initial\_CV.doc);

3. Three reference letters. Referees must send signed letters as attachments via e-mail directly to OWSD; the subject line must contain "Elsevier\_Reference\_NOMINEE'S SURNAME”. Alternatively, letters should be sent by post in sealed envelopes.

Nominators should send an email message to info@owsd.net with **Elsevier Foundation Award Nomination** in the subject heading and includethe first 2 attachments. All documentation (including referees' letters) must be received by 15 September 2016.

If you opt for a postal submission, print and complete this nomination form, have it signed by the nominator, include the attachments above and post to:

OWSD-Elsevier Foundation Awards – c/o Organization for Women in Science for the Developing World (OWSD) - ICTP Campus - Strada Costiera 11 - 34151 Trieste, Italy

**SELECTION PROCESS**

The selection process will be administered by OWSD with input from the Elsevier Foundation and based on achievements in the field, with particular attention to the nominees’ contribution to capacity-building in their region, as well as international impact. The winners will be informed of their selection in by 19 December 2016.

**ENQUIRIES**

OWSD Secretariat

Phone: +39 040 2240321

Fax: +39 040 2240689

Email: info@owsd.net

**The Elsevier Foundation Awards for Early Career
Women Scientists in the Developing World**

**2017 Nomination Form**

***Please note that for a nomination to be considered eligible the following documents must be submitted:***

[ ] ***This nomination form;***

[ ] ***The candidate's curriculum vitae including full list of publications;***

[ ] ***Three reference letters sent separately.***

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| Candidate:  |
| SURNAME:  | Name:  |
| Position/Title:       | Date of birth:       | Town and country of birth:       |
| Address (Institution):      | Phone:       |
| Fax:       |
| E-mail:       |
| Nationality: Present:     Previous (if applicable):       |

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| Biographical sketch of the candidate, including her contribution to science (two pages maximum): |
|       |
| Degrees obtained: | Date obtained: | Awarding institution: |
|       |       |       |
|       |       |       |
|       |       |       |
| Other awards: |
|       |
| Professional appointments: | From - to: | Employing institution: |
|       |       |       |
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| List of 10 most significant publications (see 1 below): |
| 1.       |
| 2.       |
| 3.       |
| 4.       |
| 5.       |
| 6.       |
| 7.       |
| 8.       |
| 9.       |
| 10.       |
|  |
| H-Index (see 2 below) |
| Value:       | Source:       |

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| Referees(please provide the contact details of three referees) (see 3 below): |
|  | Surname | Name | E-mail | Postal address |
| 1 |       |       |       |       |
| 2 |       |       |       |       |
| 3 |       |       |       |       |

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| Nominator (see 4 below): |
| SURNAME:  | Name:       |
| Position/Title:       |
| Address (Institution):      | Phone:       |
| Fax:       |
| E-mail:       |
| Signature:       | Date:       |

1) A list of the ten most important publications by the candidate should be included in the nomination, and listed in an internationally acceptable format. In case of lesser known journals and national publications, the nominators should explain whether the publication in question is a refereed article, an abstract, an article in conference proceedings or an agency preprint.

2) The h-index measures both the productivity and impact of the published work of a scientist or scholar and is based on the scientist's most cited papers and the number of citations that they have received in other publications. There are several online resources that can be used to directly calculate the h-index. The most established are ISI Web of Knowledge, and Scopus, both of which require a subscription (perhaps via your institute), but there are free options too, one of which is Publish or Perish. Note, different databases may provide slightly different h-index values.

3) Referees must send signed letters as attachments via e-mail directly to OWSD; the subject line must contain "Elsevier\_Reference\_NOMINEE'S SURNAME”. Alternatively, letters should be sent by post in sealed envelopes.

4) This form must be signed by the nominator; Signed electronic submissions will be accepted; Self-nominations are not accepted; Nominations from or of members of the award selection committee are not accepted.

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| **SCIENTIFIC FIELDS** |
| **2016 - Biological sciences: agriculture, biology and medicine** |
| *Agricultural science* | Agronomy, animal science, fish farming and aquaculture, horticulture |
| *Biological science* | Anatomy, parasitology, pharmacology, physiology, plant nematology, plant pathology, zoology, ethnobotany, taxonomy, microbiology, biochemistry, biology, biophysics, botany, entomology, genetics, mycology |
| *Psychology* |  |
| *Forestry* | Forestry extension, tree breeding genetics, forest inventory, wildlife, agroforestry, forest resources conservation, forest hydrology, forest protection, forest harvesting and transport, forest industries development, forest institutions, wood science, wood technology |
| *Soil* | Soil conservation, soil science, sedimentology |
| *Toxicology* | Food toxicology, occupational toxicology, experimental toxicology, clinical toxicology, ecotoxicology |
| *Ecological science* | Alien species, ecosystems, ecotechnology, emerging ecosystem, human ecology, mountain ecosystems, small islands, sustainable development, sustainability science, arid zones, traditional ecological knowledge, urban ecosystem, biological diversity, biosphere reserves, coastal ecosystems, deserts, ecological economy, ecological inventory, ecological monitoring |
| *Medical sciences* | Dentistry, health laboratories, diet and nutrition, pharmacy, sanitary (public health) |
| *Medical specialisations* | Anaesthesiology, pathology, geriatrics, mental health, public health, radiology, surgery, traditional medicine, emergency care, communicable disease, epidemiology, occupational health, medical x-ray operations, dermatology, haematology and blood transfusion, neurology, family health, ophthalmology, immunology |
| *Nursing* | Nursing education, nurse administration, midwifery, mental health nursing, public health nursing |
| *Opticians and optometry* | Opticians, optometry |
| *Veterinary* | Public health veterinary |
| *Rehabilitation* | Physiotherapy, occupational therapy, prosthetics, speech therapy |
| *Environmental sciences* | Environmental science (land, air, marine, water, cities, ecosystems) |
| **2017 - Engineering sciences: engineering, innovation and technology** |
| *Architecture, engineering, planning* | Aeronautical engineering, metallurgy and metallurgical, nuclear engineering, biomedical engineering, irrigation engineering, agricultural engineering, ceramics engineering, chemical engineering, marine engineering |
| *Mechanical engineering* | Heating engineering, plant engineering, power-plant engineering, product design engineering, ventilation and refrigeration |
| *Mining and petroleum engineering,* | Mining engineering, mining safety engineering, petroleum engineering |
| *Forest industry engineering*  | Mechanical wood products, chemical wood products, wood energy engineering |
| *Civil engineering* | Airport engineering, forest engineering, hydraulic engineering, railway engineering, sanitary engineering, soil mechanics engineering, structural engineering, transportation engineering, land and water development engineering. |
| *Electrical and electronics* | Electrical engineering, electronics engineering, telecommunications engineering |
| *Industrial engineering*  | Factory layout engineering, manufacturing engineering, methods engineering, production planning, Quality control engineering, safety engineering, time and motion study  |

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| **2018 - Physical sciences: chemistry, maths and physics** |
| *Astronomy, meteorology, nuclear safeguards inspections* |  |
| *Oceanography* | Physical oceanography, ocean data news, continental shelf research, chemical oceanography, marine geology and geophysics, biological oceanography, marine ecology, pollution and environment, applied oceanography and engineering  |
| *Chemistry* | Analytical chemistry, inorganic chemistry, organic chemistry, physical chemistry, environmental chemistry, food chemistry, sanitary chemistry |
| *Geology and hydrology* | Geology, geochemistry, geoconservation, geodata-handling, geodesy, geomorphology, geothermal geology, GIS, glaciology, marine geology, mineralogy, geophysics, palaeontology, petrology, photogeology, remote sensing, rock mechanics, seismology, geotourism, stratigraphy, structural geology, volcanology, hydrology, hydrogeology, earthquake engineering. geology, engineering geology, environmental geology, environmental modelling |
| *Mathematics*  | Applied mathematics, pure mathematics |
| *Statistics and mathematics*  | Operations research analysis, evaluation math. analysis, theoretical and applied. |
| *Physics* | Electromagnetics physics, electronics physics, heat physics, light physics, mechanics physics, nuclear physics, sound physics |
| *Hydrological science*  | Environmental hydrology, coastal hydrology, agronomy, ecohydrology, forest hydrology, GIS - (HYD), groundwater engineering, hydraulic engineering, hydropower, sanitary engineering, sedimentology, hydrological modelling, urban hydrology, urban water management engineering, volcanology - (HYD), water economy, water resources management, water resources systems, water supply engineering, hydrogeochemistry, geophysics - (HYD), glaciology - (HYD), hydrology - (HYD), hydrogeology - (HYD), groundwater hydrology, remote sensing - (HYD) |