



THE ELSEVIER FOUNDATION

Eligibility and Grading Criteria For Applicants to the OWSD-Elsevier Foundation Awards For Early Career Women Scientists in the Developing World

2020 – Engineering and Technology

Eligibility

Applicants must be female early-career scientists (within ten years of earning their PhD degree), who must have lived and worked for at least 5 of the last 15 years in one of the 66 scientifically and technologically lagging countries listed here:

Africa: Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Comoros, Congo, Côte d'Ivoire, Dem Rep Congo, Equatorial Guinea, Eritrea, Ethiopia, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mozambique, Niger, Rwanda, Sao Tome and Principe, Senegal, Sierra Leone, Somalia, South Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe

Arab States: Djibouti, Palestine (West Bank & Gaza Strip), Sudan, Syrian Arab Republic, Yemen

Asia & Pacific: Afghanistan, Bangladesh, Bhutan, Cambodia, Kiribati, Lao People's Dem Rep, Mongolia, Myanmar, Nepal, Solomon Islands, Sri Lanka, Tajikistan, Timor-Leste, Tuvalu, Vanuatu

Latin America & Caribbean: Bolivia, El Salvador, Guatemala, Haiti, Honduras, Nicaragua, Paraguay

The 2020 Awards in Engineering and Technology includes the following subject fields:

- Civil engineering
- Electrical engineering, electronic engineering, telecommunications/information engineering
- Mechanical engineering
- Chemical engineering
- Materials engineering
- Medical engineering
- Environmental engineering
- Environmental biotechnology
- Industrial biotechnology
- Nano technology

Selection

The competition will be judged by a distinguished panel of specialists in the appropriate fields from ICTP, the Trieste Science System and distinguished visitors. The Panel will be chaired by the OWSD Programme Coordinator with full administrative support from the OWSD Secretariat and will meet at ICTP in Trieste.

The assessment will be based on achievements in the field, with particular attention paid both to the applicants' contribution to capacity-building in their region, as well as international impact. There will be one prize awarded for each of the four regions of the developing world plus an additional "floating" award for a particularly deserving candidate from any of these regions. Winners will be informed of their selection by November 2019.

Applications

Applications are invited from women scientist from the eligible developing countries and must be endorsed by a senior academic scientist (e.g. OWSD members, TWAS Fellows, ICTP visiting scientists and staff, national science academies, national research councils and heads of departments/universities, both in developing and developed countries). Applications must be made online and they must include: the candidate's curriculum vitae, a full list of publications, at least one (preferably two) reference letter, and the endorsement statement. The endorser cannot also be a referee.



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Grading Criteria

Above all, the Selection Panel (SP) is looking for candidates who have made **significant contributions to their field of expertise**.

In order to assist SP members with grading the applications, the following points should be considered:

1. Scientific merit:

This should be based on the quality of publications. Please take into account whether the applicant is a first or corresponding author, or whether her contributions are often as third or fourth-listed authors, for example. Those applicants publishing in leading international peer-reviewed (high impact factor) journals should be graded higher than applicants publishing largely in regional/national journals. To assist you, we have also requested applicants to provide their *H-index*.

Marks for scientific merit should be out of 50.

2. International impact:

A measure of this can be obtained from international meetings the applicant has attended, especially if as an invited speaker or chair. Additional marks should be awarded if the applicant has organized international workshops and conferences. Also if the applicant has collaborated with scientists from countries outside her region on research papers and projects. Any international awards received should also be considered.

Marks for international impact should be out of 20.

3. Regional impact:

A measure of this can be obtained from any national or regional meetings the applicant has attended, especially if as an invited speaker or chair. Additional marks should be awarded if the applicant has organized workshops and conferences in the region. Also if the applicant has collaborated with scientists from countries in the region on research papers and projects. Any national and regional awards received should also be considered.

Marks for regional impact should be out of 15.

4. Capacity Building Factors:

Here you may consider whether the applicant is running active MSc or PhD training programmes; any evidence of developing and providing resources for students and young researchers; mentoring activities.

Weighting for these other factors should be out of 15.

Summary:

1. Scientific merit	50
2. International impact	20
3. Regional impact	15
4. Capacity Building	15
TOTAL	100