



IHE Delft is the largest international graduate water education facility in the world and is based in Delft, the Netherlands. The mission of IHE Delft is to work in partnership to strengthen capacity in the water sector, to achieve global sustainable development. IHE Delft has a permanent staff of 200 of which more than 100 are academics from all over the world, while about 250 guest lecturers from academia and industry contribute to our educational programmes. Each year 750 professionals (including about 200 new MSc students per year) attend courses at IHE Delft. The Institute has

an international staff & student community with English as the working language.

The overall thrust of the [Water Supply Sanitation and Environmental Engineering](#) Department (WSSEE) is urbanization as one of the dominant global processes. Although urbanization offers enormous opportunities for socio-economic development, it also presents major challenges for the equitable and sustainable development of drinking water and sanitation infrastructure and services. Within this context the WSSEE Department helps to build the necessary human resources and higher education and research capacities through postgraduate education, training, research and other capacity building activities in the fields of water supply, sanitation and resource recovery. The department consists of three chair groups, namely, Water Supply Engineering (WSE), Sanitary Engineering (SE) and Pollution Prevention and Resource Recovery (PPRR), each headed by a professor.

The department intends to further strengthen the expertise in the field of drinking water treatment technologies by recruiting a:

Post-doctoral position on Desalination

1 FTE/38 hours

Responsibilities

- Contribute to sea water quality monitoring in Bay of Aqaba, Jordan in coordination with project partner;
- Provide a follow up training on water quality methods to the project partners and beneficiaries;
- Draft, write and review project deliverables, ensuring they are of high quality, in time and within budget;
- Contribute to project management-related activities;
- Contribute to project-related funding opportunities and acquisitions.

Requirements

- PhD degree in the area of desalination and membrane related technology;
- Proven track record in research in the area of desalination
- A good working knowledge of water quality methods used in seawater desalination
- A good working knowledge of conventional surface water treatment.
- Experience in Middle East countries is a plus;
- Experience with and/or affinity for capacity building (education and training) activities;
- Affinity for laboratory/field work and mathematical modelling;
- Proficiency in English is a prerequisite; working knowledge of one or more 'large' languages is a plus;
- Excellent communication and writing/reporting skills;
- Ability to work in multi-disciplinary teams;
- Ability to function in a multi-cultural environment;
- Readiness to travel and participate in education, research and capacity building projects abroad.

Terms of employment

This position is a temporary that contributes to a project (Desalination, Diplomacy and Water Reuse in the Middle East, SCARCE) for a maximum period of 6 months. The position is based in Delft, The Netherlands. A competitive salary (scale 10) is offered depending on qualifications and experience in accordance with the conditions of employment for Dutch Universities. The appointment implies entry into the Netherlands' Civil Service Pension Fund (ABP).

Candidates must be prepared to carry out long- and short-term missions abroad.

Information and application

Additional information about the vacancy can be obtained from Prof. Maria Kennedy, Professor of Water Treatment Technology and head of the WSSEE Department (+31152151774 or m.kennedy@un-ihe.org).

Applications in English can be sent by 19 February 2020 (closing date) including curriculum vitae and motivation letter (as one PDF file with your family name as the filename), to the Human Resources Management Department at: recruitment@un-ihe.org, stating vacancy-number 20-WSSEE-01.