

IEA # 579
UBW # 100157



Marginal Water Management Specialist

Reports to: Director, Water, Land and Ecosystems Program (WLEP)

Location: Cairo, Egypt

Advertisement date: 16 August 2018

Closing date: 15 September or until filled

Main purpose of position

Within the strategy of ICARDA's scientific program on Water, Land and Ecosystems, the Marginal-Water Management Specialist develops and leads research activities and projects on marginal quality water development and management in agriculture in the dry areas.

About ICARDA

The International Center for Agricultural Research in the Dry Areas (ICARDA) is an international autonomous, non-profit, research organization supported by the Consultative Group on International Agricultural Research (CGIAR).

ICARDA's mission is to reduce poverty, enhance food, water and nutritional security, as well as environmental health in the face of global challenges including climate change. We do this through innovative science, strategic partnerships, linking research to development and capacity development that take into account gender equality and the role of youth in transforming the dry areas. ICARDA works in partnership with governments, universities, civil society, national agricultural research organization, other CGIAR research Centers, and the private sector. With its temporary Headquarters in Beirut, Lebanon, ICARDA operates in regional and country offices across Africa, Asia and the Middle East. For more information: www.icarda.org

Main responsibilities

1. Contribute to and manage research in ICARDA's mandate region, that promotes sustainable irrigated agricultural production based fully or partly on marginal-quality water resources (treated wastewater, drainage water, and or saline water) including:
 - Assessment of marginal water resources quality and availability for agriculture.
 - Development/adaptation of interventions for agricultural production based on irrigation with diverse water resources.
 - Environmental impact assessment through monitoring of contaminants in soils, crops, and groundwater under urban treated wastewater irrigation systems. Promotion of safe and productive use of treated wastewater in agriculture.
 - Conjunctive use of marginal-quality water resources with other water sources.
 - Control and management of secondary salinity in irrigated systems

Dalia Bldg. 2nd Floor
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- Modification and/or development of crop diversification options for salt-affected environments.
 - In collaboration with other scientists, develop and secure funding for research projects.
2. Coordinate the efforts of a larger group of experts focusing on water quality and use of marginal-quality water by interacting closely with scientists based at ICARDA, other CGIAR centers, and National Agricultural Research Systems (NARS).
 3. Represent ICARDA in the global and regional assessments and initiatives addressing water quality, marginal-quality water resources, and salt-affected soils.
 4. Write relevant technical documentation and papers for discussion and publication, especially ISI peer-reviewed papers.
 5. Prepare, submit and manage Research and/or Development projects on marginal quality water management in agriculture in the dry areas.

Education, qualifications and experience

Essential qualifications and competencies

- PhD degree in irrigation, agronomy, or soils with a strong background in soil and water chemistry and/or soil/water/plant relations.
- At least five years of experience in water management in agriculture and use of marginal-quality water, of which at least three at international level.
- Experience in managing field trials and ability to work with NARS and farmers in developing countries.
- Strong background in applied research and capacity development, with a track record of ISI peer-reviewed publications.
- Knowledge and understanding of research issues, complexity and trade-offs within the overall framework of integrated water resources management.
- Ability to address water quality issues related to land and water degradation, and climate change.
- Experience and excellent skills in project management.
- Excellent interpersonal skills and ability to work effectively in a very diverse work environment, with multicultural and multidisciplinary teams.
- Ability to work effectively with a high degree of autonomy.
- Fluency in written and spoken English;

Desirable qualifications and competencies

- Knowledge of Arabic;
- Knowledge of GIS/RS techniques would be an advantage.

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Terms of appointment, salary and benefits

This is an internationally recruited position for which ICARDA offers an attractive compensation package including a competitive salary, housing allowance, non-contributory retirement plan, medical insurance, 30 days of annual leave, five months' maternity leave, 15 days' paternity leave. All benefits are denominated and paid in US Dollars. The successful candidate will be offered an initial contract of 3 years, renewable subject to continued need for the position and satisfactory performance. The first year will be probationary period.

How to apply

Please apply online at www.icarda.org/iea/ by 15 September 2018 or until the position is filled.

ICARDA is committed to increasing women representation in its workforce and strongly encourages applications from qualified women.

Applications will be acknowledged, but only shortlisted candidates will be contacted.

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