



Post-doctoral Fellow Soil and Water Conservation

Position specification

Internationally Recruited Position (PDF Level)

Reports to: Director, Integrated Water and Land Management Program (IWLMP)

Location: Amman, Jordan

Closing date: 20 October 2012

Main purpose of the position

Conduct and support center's research and training on watersheds modeling and management in the Dry Areas

About ICARDA

The International Center for Agricultural Research in the Dry Areas (ICARDA) is an international autonomous, non-profit, research center based in Aleppo, Syria, supported by the Consultative Group on International Agricultural Research (CGIAR). We are committed to the improvement of livelihoods of the resource-poor in dry areas by enhancing food security and alleviating poverty through agricultural research, and the equitable use and conservation of natural resources. For more details: www.icarda.org

Main responsibilities

- Assess soil erosion and soil and water conservation in the context of watershed management
- Identify, verify and implement modern methodologies and approaches to model and predict soil losses at field and watershed levels, especially the assessment of the impact of soil conservation and water harvesting interventions.
- Design and evaluate soil and water conservation measures at farm and watershed levels in cooperation with various stakeholders
- Develop linkages to current research and development work in ICARDA's water benchmark research sites to promulgate principles of efficient water and land conservation; and
- Contribute to training activities in erosion, soil and water conservation and land management.
- Publish in referee journals with focus on watershed monitoring and modeling, soil and water conservation, and land degradation.

Education, qualifications and experience

- A recent PhD in soil and water conservation or a related subject
- Knowledge of process-based watersheds monitoring and modeling (experience with SWAT is an asset)
- Proven record of publication in reputable ISI refereed journals.
- Capacity to plan, design and implement soil and water conservation measures and structures
- Up to date knowledge of advanced tools and techniques for measuring wind and water erosion, transport and deposition



- Computer skills and a solid background in statistical analysis, including geostatistics and stochastics, and
- Fluency in spoken and written English. Capability in French and/or Arabic and GIS and remote sensing tools would be an advantage

Terms of appointment, salary and benefits

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The contract will be for 3 years. 1st year will be probation. For more details: [Terms of Appointment-PDF Level](#)

How to apply

Please apply online at www.icarda.org/iea/ by **20 October 2012**.

We are an equal opportunity employer and encourage applications from women.

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