

## **Postdoctoral Fellow – Soil Science**

International Rice Research Institute  
Los Baños, Laguna, the Philippines

**Reference number: PDF-2011-05-RB**

**Apply by: 27 April 2011**

The post doc will implement a program of research aiming to establish scientific principles for the management of macro and micro-nutrients in diversified rice-based cropping systems with reduced and zero tillage. Through this research, the post doc will be responsible for providing an improved understanding on the interactions and tradeoff of water saving management and reduced tillage on soil chemical, physical, and biological processes. The post doc will be responsible for developing decision tools for efficient and environmentally sound management of nutrients and soil in reduced and zero till rice-based systems.

### **Major Accountabilities/Responsibilities:**

- Conduct research to establish scientific principles for the transformations and management of macro and micro-nutrients in reduced and zero tillage systems with dry-seeded rice
- Identify, through research, nutrient management practices for systems with reduced tillage, dry seeded rice, mechanized fertilizer application
- Compile and use research findings to develop decision tools for field-specific management of nutrients and soil in reduced and zero-till rice based systems.
- Contribute soil science expertise and research inputs within a team of researcher working on the ecological intensification of diversified rice cropping systems
- Publish research findings in international referred journals

### **Qualification Requirements:**

#### **Essential**

- PhD in soil science
- Good understanding of the principles of nutrient transformations in crop production systems
- Good understanding of crop management and agronomy
- Experience in the management of field trials
- Demonstrated ability to publish in international journals
- Good communication skills (oral and written)
- Good international skills and ability to relate to and interact with individuals from different cultural backgrounds
- Fluent in oral and written English

#### **Desirable**

- Knowledge of rice-based cropping systems of Asia
- Experience in working in Asia
- Research experience of transformation and bioavailability of micronutrient

Please indicate the position reference number in the e-mail subject line. IRRI regrets that only shortlisted candidates will be contacted. IRRI provides a multicultural work environment that reflects the values of gender equality, teamwork, and respect for diversity, with a competitive compensation and benefit package. Women are encouraged to apply.

Join us to deliver rice science for a better world. Interested candidates should apply online (<http://irri.org/job/187/table>). Should you encounter problems applying online, please email at [IRRIRecruitment@irri.org](mailto:IRRIRecruitment@irri.org).