

Stress Resilient Maize for South Asia – Post- Doctoral Fellow or Associate Scientist

Achieving sustainable food security in a world of growing population and changing diets is a major challenge under climate change. The International Maize and Wheat Improvement Center (CIMMYT) is looking for an innovative, results-oriented young scientist with excellent skills in stress physiology, stress breeding and field-based phenotyping to support the development and delivery of high-yielding, stress-tolerant germplasm for Asia. The scientist will work as a member of CIMMYT Global Maize Program (CIMMYT-GMP), and will play a key role in a large multi-disciplinary and multi-institutional team. As the India based member of the CIMMYT-GMP, the selected scientist will also work closely with CIMMYT's research teams in the region, as well as partners in advanced research institutes, national research programs, seed companies, and the CCAFS (CGIAR Research Program on Climate Change, Agriculture and Food Security) community, for enhancing the adaptation of maize to climate change, and to improve the livelihoods of smallholder farmers in the developing world.

Primary responsibilities include:

- Analysis of climate change-related parameters (including variability and extremes; abiotic and biotic stresses) that presently/potentially affect maize production in Asia.
- Contribute to establishment of precision phenotyping facilities at key sites in Asia.
- Phenotyping maize germplasm for prioritized abiotic stresses (especially drought, heat, water logging and low temperature) along with other CIMMYT scientists and national partners in the region.
- Develop appropriate selection strategies, identify novel donors, and contribute to development and delivery of improved, stress resilient maize germplasm
- Technical backstopping and capacity strengthening of the national partners on novel tools and methodologies for developing stress resilient maize.
- Contribute to collaborative maize breeding, research and capacity building activities in the framework of CIMMYT's overall project agenda.
- Contribute to the visibility of CIMMYT's research, partnerships and impacts.

We are seeking candidates with the following qualifications:

- Ph.D. in Plant Sciences with specialization in stress physiology and/or breeding for stress tolerance or closely related subject.
- Applied knowledge of experimental design, management of field trials, field breeding operations, and data analysis.
- Strong aptitude for field-based research, especially phenotyping operations related to abiotic stresses.
- Excellent computational and statistical skills and experience with SAS, GenStat, or other statistical software.
- Experience in managing large databases of field trials.
- Demonstrated ability to publish in refereed, high-impact scientific journals.
- Proficiency in spoken and written English.
- Strong self motivation and innovative skills, coupled with interest in international agricultural research and development
- Demonstrated ability to work collegially and collaboratively in diverse, multicultural partnerships.
- Demonstrated good communication and organizational skills and ability to work under pressure

CIMMYT (www.cimmyt.org) is an internationally funded, non-profit research and training organization affiliated with the Consultative Group on International Agricultural Research (CGIAR, www.cgiar.org) and has an annual budget of about US\$ 90 million. CIMMYT's mission is to sustainably increase the productivity of maize and wheat systems to ensure global food security and reduce poverty. The center is a global leader in maize and wheat breeding, biotechnology, socioeconomics, and natural resource management research. CIMMYT employs about 700 permanent staff and operates through decentralized partnership, with staff in 14 countries and projects and networks in many more.

The position will be based in India but will involve travel to other CIMMYT field sites in Asia on a regular basis. The position is initially available for three years and may lead to a career path position. CIMMYT offers an attractive remuneration package paid in US dollars, with a range of benefits including housing allowance, life and health insurance, education allowance (to Grade 12), home leave, and relocation shipping assistance.

CIMMYT is an equal-opportunity employer and strives for staff diversity in gender and nationality.

[Apply online](#) no later than **November 20th, 2011.**

At www.cimmyt.org, click on "About us – Job Opportunities- 2011/23 Position" Please complete the online application, including your cover letter, competencies and experience for the position, and a detailed CV/resume.

For further information, contact **Dr. B.M. Prasanna**, Director, Global Maize Program, b.m.prasanna@cgiar.org or the Human Resources Office, jobs-cimmyt@cgiar.org. *Please note that only short-listed candidates will be contacted.*