



International Crops Research Institute for the Semi-Arid Tropics

ICRISAT invites applications from Indian nationals for the following posts to be based at Patancheru, Andhra Pradesh, India. These are nationally recruited positions.

ICRISAT is a non-profit, apolitical, international organization for science-based agricultural development. Established in 1972, it is an alliance of centres of the Consultative Group on International Agricultural Research (CGIAR), and supported by more than 48 governments, foundations and development banks. To reduce poverty, enhance crop productivity and food security and to protect the environment, ICRISAT research focuses on farming systems and crop improvement, management and utilization of sorghum, pearl millet, pigeonpea, chickpea and groundnut in the semi-arid tropics.

1. Scientific Officer – Legumes Pathology

Responsibilities: To conduct field, greenhouse and laboratory experiments related to chickpea and pigeonpea diseases. To develop required data sheets, data collection, data analysis and prepare draft reports related to Legumes Pathology. Supervise various field and greenhouse operations and manage laboratory inventories. To conduct surveys and participate in chickpea and pigeonpea on-station research and other related jobs from time to time. **Requirements:** M.Sc. (Ag.) in Plant Pathology with 1–2 years of relevant experience. High skills of culturing, maintaining and increasing inoculum of fungal pathogens essential. The candidate must be highly motivated and have excellent computer and communication skills in English (both written and spoken); and ability to work in multidisciplinary team.

2. Research Associate (RA) – Proteomics

Responsibilities: Molecular characterization of transgenic crops. Proteomic studies in transgenic crops. Analysis of experimental data and preparation of scientific reports. To provide scientific support to scientists in their research endeavours. **Requirements:** Ph.D. from a reputed university in Biotechnology/Biochemistry/Molecular Biology/Botany/other related subjects. Capable of designing experiment related to Proteomics study in plants under biotic and abiotic stress conditions. Proficiency in Statistical Skills and Bioinformatics skills. Should be a good team player and adaptable to working in multicultural team. A self-motivator with vision and analytical skills and with commitment to work under challenging conditions.

3. Research Associate (RA) – Molecular Biology with specialization in Real-time PCR based studies

Responsibilities: Development, optimization and validation of quantitative PCR assays. Analysis of experimental data and data management. Assist the scientist in the preparation of technical reports. **Requirements:** Ph.D. from a reputed university in Biotechnology/Life Sciences with experience in Real-time PCR analysis at a research institute/university/private sector company. Capable of designing experiment related to gene expression studies, transgene copy number detection in transgenic plants. Proficiency in statistical skills and bioinformatics skills. Should be a good team player and adaptable to working in multicultural team. A self-motivator with vision and analytical skills and with commitment to work under challenging conditions.

4. Senior Research Fellow (SRF) – Molecular Biology

Responsibilities: To perform scientific research services related to transformation of the designated crops. To independently carry out gene cloning, molecular and biochemical analysis related activities of transgenic crops. To provide help and support to the various research activities in the greenhouse and field experiments related to the transgenic crops. To assist the scientist in managing research programme. **Requirements:** Postgraduate (M.Sc./M.Tech.) from a reputed university in Biochemistry/Biotechnology/Botany/other related subjects with good academic record with 1–2 years of experience in transgenics research. Hands-on experience in at least one of the following techniques are desirable: Real-time PCR/HPLC/protein expression and purification/2D-gel electrophoresis/RNAi based gene silencing/virus–insect bioassays. Proficiency in computer skills (Ms-Office, database search, bioinformatics). Communication skills in English (both written and oral). Should be a good team player and have experience working in multicultural team.

(Contd)

5. Junior Research Fellow (JRF) – Genetic transformation studies

Responsibilities: To perform scientific research services related to transformation of the designated crops. To provide help and support to the various research activities in the greenhouse and field experiments related to the transgenic crops. To provide technical help in designing and implementing research experiments. **Requirements:** Postgraduate (M.Sc./M.Tech.) from a reputed university in Biochemistry/Biotechnology/Botany/other related subjects with good academic record (1–2 years of experience in transgenics research desirable). Hands-on experience in at least one of the following techniques are desirable: Real-time PCR/HPLC/Protein expression and purification/2D-gel electrophoresis/RNAi based gene silencing/virus–insect bioassays. Proficiency in computer skills (MS-Office, database search, bioinformatics). Communication skills in English (both written and oral). Should be a good team player and have experience working in multicultural team.

6. Technical Assistant/Project Assistant

Responsibilities: To prepare media, chemicals and working solutions in the laboratory. To perform tissue culture related activities in the laboratory. To provide help and support to the various phenotyping activities in the greenhouse and field. To perform other research related tasks assigned by the Supervisor from time to time. **Requirements:** B.Sc. (Biochemistry/Biotechnology/Botany/other related subjects). Basic computer skills. Communication skills in English (both written and oral). Should be a good team player and have experience working in multicultural team.

General: The above positions are initially for three years, renewable based on the performance of the incumbent and the Institute's continuing need for the position. An attractive compensation is offered for the right candidate.

How to apply: The application should include an up-to-date resume, a recent passport size photograph and a statement of the special qualifications for this position, names and addresses (including phone and e-mail) of three referees and date of availability. Applicants from the Indian NARS/universities should submit their applications through proper channel. Please send applications stating the job title on the envelope, to **Human Resources Services**, ICRIAT, Patancheru, Andhra Pradesh 502 324, India or by e-mail to icrisat.nrsjobs@cgjar.org, latest by **4 February 2011**. Only short-listed candidates will be contacted.

'ICRISAT strongly welcomes women to apply'



Nominations Invited for Shanti Swarup Bhatnagar Prizes in Science and Technology – 2011

The Council of Scientific and Industrial Research (CSIR) invites nominations for the Shanti Swarup Bhatnagar (SSB) Prizes in Science and Technology for the year 2011. The SSB Prizes are to be given for research contributions made primarily in India during the past five years. The age of the nominee for the 2011 SSB Prize should not be more than 45 years as on 31 December 2010.

The SSB Prizes are awarded for notable and outstanding research, applied or fundamental, in the following disciplines: (1) Biological Sciences; (2) Chemical Sciences; (3) Earth, Atmosphere, Ocean and Planetary Sciences; (4) Engineering Sciences; (5) Mathematical Sciences; (6) Medical Sciences; and (7) Physical Sciences. The SSB Prize carries with it a citation, a cash award of Rs 500,000 (Rupees Five lakh only) and a plaque for each scientist selected for the Award.

Nominations addressed to **Scientist I/C**, SSB YSA Unit, Human Resource Development Group, CSIR Complex, Library Avenue, Pusa, New Delhi 110 012 should be sent as per the prescribed pro-forma (original + 14 copies) along with one set of reprints of significant publications of the last five year's period on or before **31 March 2011**.

The details of the SSB Prize and the prescribed pro-forma for nomination may be obtained from the above address or may also be downloaded from our website: <http://csirhrdg.res.in>