

## **COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR)**

CSIR is looking for outstanding R&D professionals to head its prestigious national institutes.

Council of Scientific and Industrial Research (CSIR), established in 1942, is an autonomous Society whose President is the Prime Minister of India. An ensemble of 37 state-of-the art institutes, today, CSIR is amongst the foremost scientific and industrial research organizations in the world. CSIR expertise and experience is embodied in its about 4,600 Scientists and 8,000 scientific and technical support personnel apart from 7000 JRF/SRF/RA and project staff. Over the years, this unique organization has served as a springboard for scientific and technological activities in a wide variety of S&T domains. It has helped India usher in a scientific milieu, creating and nurturing talent in science, innovation and technology. CSIR has spawned many organizations, many disciplines and most importantly has served as a nursery and training ground for most of India's talented scientists and technologists.

CSIR invites dynamic and motivated R&D professionals to help accomplish its mission, "To provide scientific industrial research and development that maximizes economic, environmental and social benefit for the people of India", in the coveted top management position of DIRECTOR of its following premier research institutes:

### **Engineering Sciences**

Advanced Materials and Processes Research Institute (AMPRI), Bhopal. The major R&D programmes of this institute relate to delivering value from regional resources especially with respect to low-cost/alternative building materials and components, new industrial materials like metal-matrix, light-weight metals, beneficiation of low grade ores, and ground water resources planning and management. AMPRI has to its credit about 40 international and national patents.

AMPRI has staff strength of about 130 of which around 50 are qualified scientists.

For more details about the institute, visit <http://www.rrlbpl.org/>

Central Building Research Institute (CBRI), Roorkee, is carrying out R&D in diverse aspects of building and habitat planning with core competencies in foundation engineering, building physics, environment and functional efficiency, design of educational and health buildings, fire engineering and geotechnical engineering.

CBRI has staff strength of about 380 of which around 80 are qualified scientists.

For more details about the institute, visit <http://www.cbri.org.in/>

Central Institute of Mining & Fuel Research (CIMFR), Dhanbad, is doing R&D

on coal energy, from mining to consumption, including its preparation, carbonization, combustion, conversion and quality assessment. The institute provides R&D support to mineral-based industry for safe, efficient and environment-friendly mining, especially in the areas of mine ventilation, mine fire control, mine subsidence, mine support systems, mining techniques, safety instrumentation, mine site conservation and rehabilitation and flame-proof testing of underground mine equipment. CIMFR has about 150 international and national patents to its credit.

CIMFR has staff strength of about 800 of which around 200 are qualified scientists.

For more details about the institute, visit <http://www.cmriindia.nic.in/>

Central Mechanical Engineering Research Institute (CMERI), Durgapur is carrying out R&D in robotics, micro-systems technologies, industrial and farm machinery and manufacturing technologies. CMERI has to its credit design and development of Swaraj, Sonalika and Krishi Shakti tractors and India Mark II pump.

CMERI has staff strength of about 500 of which around 110 are qualified scientists.

For more details about the institute, visit <http://www.cmeri.res.in>

Central Road Research Institute (CRRRI), New Delhi is doing R&D in roads and traffic management and in the programmes pertaining to roads and highway planning, development and management of pavements (flexible and rigid), design, analysis, performance evaluation of new and improved highway construction materials, bridge design and instrumentation, and geotechnical engineering.

CRRRI has staff strength of about 400 of which around 115 are qualified scientists.

For more details about the institute, visit <http://www.crridom.gov.in>

Structural Engineering Research Centre (SERC), Chennai is doing R&D in structural engineering. The major R&D programmes of SERC relate to analysis, design, dynamics, construction, repair and rehabilitation of structures including bridges, towers, power plants, earthquake engineering, structural concrete and concrete composites, and wind engineering.

SERC has staff strength of about 275 of which around 90 are qualified scientists.

For more details about the institute, visit <http://www.sercm.org>

## **Biological Sciences**

Central Institute of Medicinal and Aromatic Plants (CIMAP), Lucknow. The major R&D areas of the institute relate to genetic improvement in varieties of medicinal and aromatic plants and developing technologies for cultivation and processing of medicinal and aromatic plants, essential oil, dye and gum yielding plants for value-added products. CIMAP has

about 250 international and national patents to its credit.

CIMAP has staff strength of about 330 of which 100 are qualified scientists.

For more details about the institute, visit <http://www.cimap.res.in>

Indian Institute of Integrative Medicine (IIIM), Jammu, is engaged in the development of agro-technology of medicinal and aromatic plants, their propagation techniques, isolation of active fractions and study of bio-activity of these plant extracts, fractions and molecules, and standardization of medicinal and traditional plants based medicines. It has to its credit about 120 international and national patents.

IIIM has staff strength of about 340 of which 90 are qualified scientists.

For more details about the institute, visit <http://www.rrljammu.org>

Institute of Genomics and Integrative Biology (IGIB), Delhi, is engaged in R&D in genomics, integrative and molecular biology, allergy and infectious diseases, bioinformatics and environmental biotechnology by collaborating with medical institutes, universities and industries of high scientific impact leading to technological developments and services relevant to the society. IGIB has about 80 international and national patents to its credit.

IGIB has staff strength of about 150 of which 50 are qualified scientists.

For more details about the institute, visit <http://www.igib.res.in>

Indian Institute of Toxicological Research (IITR), Lucknow, is engaged in R&D in the areas of health risk assessment, preventive toxicology, predictive toxicology, environmental toxicology, inhalation toxicology, and analytical toxicology. IITR also imparts training in water quality assessment.

IITR has staff strength of about 260 of which 80 are qualified scientists.

For more details about the institute, visit <http://www.iitrindia.org>

## **Leather and Environmental Sciences & Technology**

Central Leather Research Institute (CLRI), Chennai. The R&D programmes of this institute involve the cutting edge use of chemical, biological, and engineering sciences in leather and related products. The institute provides education and training in leather and allied sciences at national and international levels and technical assistance to leather industry. The institute is a leader in work on products based on leather, leather auxiliaries, leather goods, leather-based articles and foot wears. It carries out fundamental and applied research on hides, skins, collagens and tanning agents. CLRI offers BTech & MTech (Footwear Science and Engineering) and PhD in Leather Technology and in basic sciences. CLRI has about 75 international and national patents to its credit.

CLRI has staff strength of about 500 of which around 110 are qualified scientists.

For more details about the institute, visit <http://www.clri.org>

National Environmental Engineering Research Institute (NEERI), Nagpur is an environmental engineering research institute with focus on environmental system design, modeling and optimization. It is known for its pioneering work on environmental risk assessment, environmental biotechnology and other related areas. It has six zonal laboratories. NEERI has about 40 international and national patents to its credit.

NEERI has staff strength of about 400 of which around 125 are qualified scientists.

For more details about the institute, visit <http://www.neeri.res.in>

### **Information Sciences**

National Institute of Science Communication & Information Resources (NISCAIR), New Delhi, is an institute providing multifaceted knowledge processing, generation and dissemination services to S&T community and the common people. It brings out a wide variety of S&T publications including research journals, encyclopedia, monographs, handbooks, and S&T status reports. It hosts the National Science Library and is developing human resources in S&T communication and information resources through various short-term and attachment training programmes.

NISCAIR has staff strength of about 340 of which around 70 are qualified scientists.

For more details about the institute, visit <http://www.niscair.res.in>

National Institute of Science, Technology And Development Studies (NISTADS), New Delhi, is an institute considered as think tank of CSIR system devoted to different aspects of interaction among science, society and the state to provide policy and analysis support to the national S&T system. NISTADS is known for its studies on S&T policy, history, philosophy and sociology of S&T planning and utilization for regional development and scientometrics.

NISTADS has staff strength of about 120 of which around 45 are qualified scientists.

For more details about the institute, visit <http://www.nistads.res.in>

### **Essential Qualification:**

Engineering Sciences: PhD (Natural Science)/Masters degree in Engineering (for Engineering, PhD is desirable)

Biological Sciences: PhD (Natural Science/Engineering)/Masters degree in Medical Science (for Medical Science, PhD is desirable)

Leather and Environmental Science and Technology: PhD (Natural Science)/Masters degree in Engineering (for Engineering, PhD is desirable)

Information Sciences: PhD (Natural/Social Science)/Masters degree in Engineering (for Engineering, PhD is desirable)

Age: 45 or above but not exceeding 58 years

Experience: 16 years of experience in research and development in the area of the activities of the institute and demonstrated excellence in leadership.

Relaxation: The qualifications, age and experience can be relaxed in case of exceptionally meritorious candidate with the approval of DG, CSIR.

Candidate: Should be creative, innovative and a well-established scientist/technologist having a demonstrated ability to manage multidisciplinary R&D teams with excellent interpersonal relations. The candidate should be able to create a conducive environment for nurturing high class research and development.

Responsibilities: The Director shall supervise and exercise administrative control on the staff of the institute and shall be responsible for (i) realizing the mission of the institute and (ii) creating an environment in the national institute conducive to nurturing of innovation and high class R&D and other S&T activities of the institute.

Appointment: The appointment to the post of Director will be made on contract for a period of six years in the pay scale of Rs. 22,400-525-24,500/- (which will be revised based on the recommendations of the 6th Central Pay Commission) plus allowances. In deserving cases, the tenure can be extended by another term of six years or till the age of superannuation whichever is earlier. The provision to share the money realized from external contract R&D, consultancy and rendering of S&T services is also available as per extant rules. Residential accommodation and transport are provided as per rules. In addition medical, LTC and other facilities are provided as per CSIR rules.

Please send your complete bio-data along with list of publications/patents etc. through e-mail/by post to Director General, Council of Scientific and Industrial Research (CSIR), Anusandhan Bhavan, 2, Rafi Marg, New Delhi-110001 on or before 15th September, 2008. Fax: 011-23710618; e-mail: [dgcsir@csir.res.in](mailto:dgcsir@csir.res.in)

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