

ADVT. NO.02/2017



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
Anusandhan Bhawan, 2, Rafi Marg, New Delhi-110 001

CSIR is looking for Outstanding Scientists

Established in 1942, the Council of Scientific and Industrial Research (CSIR) is an autonomous Society whose President is the Prime Minister of India. CSIR today is amongst the leading publicly funded scientific and industrial research organizations in the world. CSIR has, over the years, played a pivotal role in meeting the Science & Technology needs of the country. CSIR has a dynamic network of 37 state-of-the-art national Laboratories/Institutes and their extension/outreach Centres. CSIR's Vision is to: "Pursue science which strives for global impact, technology that enables innovation-driven industry and nurture trans-disciplinary leadership thereby catalysing inclusive economic development for the people of India". The focus is on providing Science & Technology interventions to benefit society, developing and transferring cutting edge technologies to industry to enhance national competitiveness, providing technology support to the strategic sector, catalysing S&T based entrepreneurship and building a sustainable ecosystem for S&T based Human Resources development including Skill Development.

The Council of Scientific and Industrial Research (CSIR) has been ranked 9th in the world amongst the 1207 Government institutions according to the SCImago Institutions ranking World Report 2017. Pioneer of India's intellectual property movement, CSIR is granted 90% of US patents granted to any Indian publicly funded R&D organization. About 13.8% of CSIR patents are licensed. CSIR holds about 4500 Indian and Foreign patents. CSIR publishes over 5700 papers in SCI journals every year & about 500 students get their Ph.D. annually from its institutions. The expertise and experience of CSIR is embodied in its more than 3600 Scientists and about 5500 technical support personnel apart from about 8500 JRF/SRF/RA and project staff.

CSIR is looking for outstanding R&D professionals for filling up of the positions of **Scientist 'H'/Outstanding Scientist** at following Unit/Group/Centre at CSIR Hqrs in Level 15 (Rs.1,82,200-2,24,100) of pay-matrix plus allowances as applicable in CSIR:

1. **Innovation Protection Unit (IPU)**
No. of position: 01

IPU defines the IP policies of CSIR and is the custodian of the Intellectual Property (Patents Designs, Trademarks, Copyrights, Plant variety etc.) emanating from the constituent Laboratories/Institutes of CSIR. The unit is fully responsible for protecting and managing the Intellectual Property in all its aspects, including to capture, search, draft, file, prosecute, maintain and other related matters like opposition, infringement etc., of both domestic and international fillings. Besides working closely and assisting the CSIR

laboratories/Institutes in IP related matters, the unit conducts periodic training programme & workshops for creating awareness among the scientists/students and represents CSIR in various forums concerning IP matters & promotes IP culture etc.

CSIR is the largest filer of patents both in India and abroad amongst the academic and publicly funded R&D institutions in the country. The Unit is a part of CSIR Headquarters and is located at New Delhi.

Essential qualification:

- I. Ph.D. in any branch of Science/Social Science or Master's degree in Engineering or Health/Medical Sciences.

Desirable qualifications/Recognitions:

- i. Ph.D. in Engineering or Health/Medical Sciences.
- ii. Post Graduate Degree/Diploma in Intellectual Property Rights/Patent Management/Business Development or Ph.D. in Intellectual Property Rights.
- iii. National/International recognition of high caliber professional contribution including but not limited to Awards, Fellowships of professional/Academies and Societies, Visiting Fellowship etc.

Experience:

- (i) Minimum 16 years of experience in Intellectual Property protection and management proven by published literature and ability to formulate IP policy, copyright, awareness building and managing litigation including active participation in National/International R&D/Academic/Laboratory/Corporate R&D. The incumbent should be creative, innovative and a well-recognized professional in the area having a demonstrated leadership qualities to lead a team of intelligent and competent scientists engaged in IP related activities. He should have proven track record of policy initiatives in the domain.
- (ii) Should hold a position at Scientist F/G/Professor level (in Govt./Statutory/Autonomous institutions in Level 13A of pay matrix or above (pre-revised PB-4 with Grade Pay of Rs. 8900/-or above) or equivalent in Non-Govt./Private Institution/Organization with outstanding performance/records.

2. Business Development Group (BDG)

No. of Position: 01

The Group's main mandate is to market the CSIR Knowledgebase and take new initiatives and develop new policies for ease of doing business with CSIR. Among others, the group is responsible for (i) developing a Strategic Business Development Plan for CSIR with defined targets to be achieved and help the laboratories in developing lab specific Business Plans, (ii) interacting with Business Development Groups at laboratories/institutes and provide necessary support from time to time, (iii) interacting with industries and industry associations, as well as cluster of industries for promotion of CSIR technologies and knowledgebase through organizing 'Industry Interaction Meets', (iv) maintaining a database of potential



technologies for commercialization and knowledgebase utilization data, (v) formulating CSIR Guidelines for Technology Transfer and Utilization of knowledgebase and effective implementation of various schemes under it, (vi) managing of CSIR Innovation Fund and (vii) developing International Business.

The group is a part of CSIR Headquarters and works very closely with DG, CSIR and other Laboratory/Institute Directors to achieve the targets. The group is located at New Delhi.

Essential qualification:

- I. Ph.D. in any branch of Science/Social Science or Master's degree in Engineering or Health/Medical Sciences.

Desirable qualifications/Recognitions:

- I. Ph.D. in Engineering or Health/Medical Sciences.
- ii. Post Graduate Degree/Diploma in Management from a recognized Institution/University.
- iii. National/International recognition of high caliber professional contribution including but not limited to Awards, Fellowships of professional/Academies and Societies, Visiting Fellowship etc

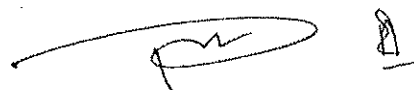
Experience:

- (i) Minimum 16 years of experience in business development activities preferably in a scientific organization/national/international R&D/Academic/Laboratory/Institution/Corporate R&D. The incumbent should be result-oriented, creative, innovative and a well-recognized professional in the area having a demonstrated leadership and management qualities to lead a team of intelligent and competent team of people engaged in Business Development activities. He should have proven track record of policy initiatives in the domain.
- (ii) Should hold a position at Scientist F/G/Professor level (in Govt./Statutory/Autonomous institutions in Level 13A of pay matrix or above (pre-revised PB-4 with Grade Pay of Rs. 8900/-or above) or equivalent in Non-Govt./Private Institution/Organization with outstanding academic performance/records.

3. Human Resource Development Group (HRDG)

No. of position: 01

The Group's main mandate is in the creation and development of scientific human resources for India. The various activities of the Group are: Providing research fellowships at different levels, identifying and supporting young talent in scientific research, development and nurturing S&T manpower, conducting the CSIR-NET Examinations, funding of extramural research in academia and promoting excellence in S&T through awards and honours. These activities cover a wide range of S&T disciplines and age groups and are undertaken through a true team India partnership with active involvement and participation of eminent scientists and experts from academia, industrial R&D units, S&T departments etc. For more details about HRDG please visit <http://www.csirhrdg.res.in>



The Human Resource Development Group is a part of CSIR Headquarters and is located at CSIR Complex, Pusa Campus, New Delhi.

Essential qualification:

- i. Ph.D. in any branch of Science/Social Science or Master's degree in Engineering or Health/Medical Sciences

Desirable qualifications/Recognitions:

- i. Ph.D. in Engineering or Health/Medical Sciences.
- ii. Post Graduate Degree/Diploma in Human Resource Management from a recognized Institution/University.
- iii. National/International recognition of high caliber professional contribution including but not limited to Awards, Fellowships of professional/Academies and Societies, Visiting Fellowship etc.

Experience:

- (i) Minimum 16 years of experience in creation and development of scientific human resources including active participation in R&D in national/International R&D/Academic/Laboratory/Institution/Corporate R&D. The incumbent should be creative, innovative and a well-recognized professional in the area having a demonstrated leadership and management qualities to lead a team of intelligent and competent multidisciplinary R&D teams. He/She should have proven track record of policy initiatives and outstanding capabilities in managing Scientific Human Resources.
- (ii) Should hold a position at Scientist F/G/Professor level (in Govt./Statutory/Autonomous institutions in Level 13A of pay matrix or above (pre-revised PB-4 with Grade Pay of Rs. 8900/-or above) or equivalent in Non-Govt./Private Institution/Organization with outstanding performance/records.

4. Traditional Knowledge Digital Library (TKDL)
No. of position: 01

Traditional Knowledge Digital Library (TKDL) is a pioneer initiative of India to prevent misappropriation of country's traditional medicinal knowledge at International Patent Offices on which healthcare needs of more than 70% population and livelihood of millions of people in India is dependent. The TKDL expert group estimated that about 2000 wrong patents concerning Indian systems of medicine were being granted every year at international level, mainly due to the fact that India's traditional medicinal knowledge which exists in local languages such as Sanskrit, Hindi, Arabic, Urdu, Tamil etc. is neither accessible nor comprehensible for patent examiners at the international patent offices. Traditional Knowledge Digital Library has overcome the language and format barrier by scientifically converting and structuring the available contents of the ancient texts on Indian Systems of Medicines i.e. Ayurveda, Siddha, Unani and Yoga, into five international languages, namely, English, Japanese, French, German and Spanish.

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For more details about TKDL please visit <http://www.tkdl.res.in>

Traditional Knowledge Digital Library is a part of CSIR Headquarters and is located at CSIR Naraina Building, New Delhi.

Essential qualification:

I. Ph.D. in any branch of Science/Social Science or Master's degree in Engineering or Health/Medical Sciences

Desirable qualifications/Recognitions:

- i. Ph.D. in Engineering or Health/Medical Sciences.
- ii. Post Graduate Degree/Diploma in Intellectual Property Rights/Patent Management/Business Development or Ph.D. in Intellectual Property Rights.
- iii. National/International recognition of high caliber professional contribution including but not limited to Awards, Fellowships of professional/Academies and Societies, Visiting Fellowship etc.

Experience:

- (i) Minimum 16 years of experience in the areas of Indian traditional medicine system, its protection at various patents offices around the world, Information Technologies to integrate the traditional knowledge and lead the group of high efficient and motivated R&D people including active participation in R&D in national/International R&D/Academic/Laboratory/Institution/Corporate R&D. The incumbent should be creative, innovative and a well-recognized professional in the area having a demonstrated leadership and man-management qualities to lead a team of intelligent and competent multidisciplinary R&D teams. He/She should have proven track record of policy initiatives and outstanding capabilities in managing Scientific Human Resources.
- (ii) Should hold a position at Scientist F/G/Professor level (in Govt./Statutory/Autonomous institutions in Level 13A of pay matrix or above (pre-revised PB-4 with Grade Pay of Rs. 8900/-or above) or equivalent in Non-Govt./Private Institution/Organization with outstanding performance/records.

5. Science Popularization & Exposition (SP&E)

No. of position: 01

CSIR intends to create a strong group at CSIR Hqrs to catalyze science communication towards turning the country a knowledge society, a prerequisite for inclusive growth. CSIR has vast repository of knowledgebase which needs to be disseminated for the benefit of the targeted group of masses for inculcating S&T interventions in raising productivity right from farm sector to SME sector to creation of future human resources. The tasks shall be proposed to be through forging common platform with targeted interest groups such as farmer societies, industries chambers, schools and colleges etc.. Recently, CSIR has launched "JIGYASA"-a student-scientist connect programme with 1151 Kendriya Vidyalayas with the purpose to inculcate the culture of inquisitiveness on one hand and scientific temper on the other, amongst the school students and their teachers.



For more details about CSIR please visit <http://www.csir.res.in>

The group is a part of CSIR Headquarters and is located at CSIR Hqrs., New Delhi.

Essential qualification:

I. Ph.D. in any branch of Science/Social Science or Master's degree in Engineering.

Desirable qualifications/Recognitions:

- i. Ph.D. in Engineering.
- ii. Post Graduate Degree/Diploma in Mass Communication in S&T/Public Relations/Science Reporting/ Content Development etc.
- iii. National/International recognition of high caliber professional contribution including but not limited to Awards, Fellowships of professional/Academies and Societies, Visiting Fellowship etc.

Experience:

- (i) Minimum 16 years of experience in promotion and nurturing communication including science, technology, agriculture, health, environment and socio-economic development using print, broadcast, folk, digital and interactive forms of mass media including active participation in R&D in national/International R&D/Academic/ Laboratory/Institution/Corporate R&D. The incumbent should be creative, innovative and a well-recognized professional in the area having a demonstrated leadership and man-management qualities to lead a team of intelligent and competent multidisciplinary R&D teams. He/She should have proven track record of policy initiatives and outstanding capabilities in managing Scientific Human Resources.
- (ii) should hold a position at Scientist F/G/Professor level (in Govt./Statutory/Autonomous institutions in Level 13A of pay matrix or above (pre-revised PB-4 with Grade Pay of Rs. 8900/-or above) or equivalent in Non-Govt./Private Institution/Organization with outstanding performance/records.

General Conditions:

Age: Minimum 45 years.

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

Eligibility Criteria: The applicant must be a citizen of India.

Candidate: Should be creative, innovative and a well-recognized scientist/technologist having a demonstrated leadership and man-management qualities and to manage multidisciplinary R&D teams with excellent interpersonal relations.



Tenure of Appointment: The appointment to the post of Scientist H/Outstanding Scientist shall be made for a period of five years or till superannuation, whichever is earlier. In deserving cases, the tenure can be extended as per rules. For those who are in CSIR service, the term shall be till superannuation.

The post of Scientist 'H'/Outstanding Scientist in CSIR shall be in Level 15 (Rs. 1,82,200-2,24,100) of pay matrix i.e. pre-revised HAG Pay scale of Rs. 67,000-79,000/-. In addition Residential accommodation, transport, medical, LTC and other facilities are provided as per rules.

The number of vacancies indicated is provisional and may vary at the time of selection.

Notwithstanding the above, the selected candidate can be posted in any Division/Unit of CSIR Hqrs or at any of it's Labs/Institutes, in the exigencies of organization needs.

How to Apply : Applications for each post (i.e. for IPU/HRDG/BDG/TKDL/Science Popularization) with detailed bio-data alongwith list of publications/patents etc. may be sent through email or by post to Director General, Council of Scientific and Industrial Research (CSIR), Anusandhan Bhawan, 2, Rafi Marg, New Delhi-110001. A brief bio-data in the proforma given below may also be sent. The last date of the receipt of applications is 10.01.2018. Fax:011-23710618 E-mail: dqcsir@csir.res.in or dq@csir.res.in

Note: The advertisement numbers 02/2013 & 03/2013 issued earlier for the positions of Scientist 'H'/Outstanding Scientist be treated as cancelled and withdrawn. Those candidates who had applied earlier against advertisement numbers 02/2013 & 03/2013 will have to send their application/nomination afresh if they wish to be considered for the aforesaid mentioned positions.

(I)

Format for Bio-Data

1. Name:
2. Date of Birth:
3. Current Position and Address:
4. Educational Qualification:

Sl. No.	Degree/Certificate	Year of Passing	University/Institute	Subjects

5. Academic/Research Experience/Employment

Sl. No	From	To	Name of Organization	Position held

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6. Areas of Specialization:
7. Honors/Awards/Recognitions received:
8. Professional Affiliations:
9. *(a) List of Research Publications including popular articles, if any;
 (b) List of best professional outputs/outcomes in last 10 years, relevant to present field of specialization;
 (c) Highlights of contributions to the area of specialization.
- 10.* Number of Books authored/edited:
- 11.* (a) Number of Patents/Copy rights/Trade Mark/IPR granted/applied for & highlights of translational research contributions:
 (b) Technologies developed, Licensed and/or commercialized with details.
12. Dissertations supervised:
 (a) Ph.D.
 (b) Post-Graduation
13. 1-2 page summary of vision as Leader of IPU/HRDG/BDG/TKDL/SP&E.
14. List of 5 professional referees of high repute with whom candidate has interacted in the past; (letters of commendation may also be attached):

Signature of the Applicant

Date:
Place:

* Details may be enclosed separately

