

ADVERTISEMENT

(Advt No. 2009/II)

INVITING APPLICATIONS FOR SRF, SRF(EXTENDED) & RA

APPLY ON LINE ON OR BEFORE 24 AUGUST 2009

at <http://csirhrdg.res.in>

OR

www.anusandhan.net/hrdg/online

Only online applications followed by hard copy will be entertained.

The Human Resource Development (HRD) Group of COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR), New Delhi, provides opportunities to bright young men and women in the form of Senior Research Fellowships (SRFs)/ SRF (Extended)/ Research Associateships (RAs) for training in methods of research under the expert guidance of faculty members/scientists working in universities, laboratories and institutes of Government Departments and recognised laboratories of industry in various fields of science and technology.

Preference will be given to the research topics relevant to R&D programmes of CSIR Laboratories, in the new and emerging fields of science and in the areas of importance for development of scientific and technological capability of the country. The Fellowships/ Associateships are tenable in all the universities and deemed universities/IITs/postgraduate colleges/government research establishments including those of CSIR, R&D establishments of recognised public sector, industrial firms and other recognised institutions. Only bonafide Indian citizens are eligible for the award. The award is for fixed tenure and does not imply any assurance or guarantee for subsequent employment by CSIR to the beneficiary. CSIR reserves the right to determine the place in India best suited to provide necessary facilities in the areas of science in which the awardee is to specialise. Selected Fellows and Associates will have to devote their full time to the approved research programmes. Fellows and Associates are not permitted to take up any other remunerative jobs/assignments during their tenure.

A. SENIOR RESEARCH FELLOWSHIPS

ESSENTIAL QUALIFICATIONS:

An applicant should have MSc or equivalent degree with at least 55% marks and one publication in SCI Journal and should have completed at least two years of post MSc research experience as on the last date of application, as evidenced from fellowship/ associateship or from date of registration for Ph.D.

OR

BE/BTech or equivalent degree with at least 60% marks and two years research experience as on the last date of application.

OR

Should have MTech/ME with at least 60% marks or equivalent degree in engineering/technology.

OR

Should have MBBS/BDS or equivalent with one year internship with at least 60% marks.

OR

Should have BPharm/BVSc/BSc(Ag) or equivalent degree with at least 55% marks and one publication in SCI Journal and should have completed at least three years research experience as on the last date of application, evidenced from fellowship/associateship or from date of registration for Ph.D.

OR

Should have MPharm/MVsc/MSc(Ag) or equivalent degree with at least 55% marks and one publication in SCI Journal and should have at least one year research experience as on the last date of application, evidenced from fellowship / associateship or from date of registration for Ph.D.

Documents in support of research, teaching (at least undergraduate level) experience and Ph.D. registration should be attached.

Those who have been awarded PhD/MD/MS/MDS degree or have submitted their thesis for the award of PhD/MD/MS/MDS degrees are not eligible for the position of SRF. **Those who are eligible for RA will not be considered for SRF.**

EMPLOYED CANDIDATES:

These fellowships are held on a full time basis. Therefore simultaneous employment elsewhere is not permitted. However, those desirous of pursuing higher studies, but employed presently, whether temporary or permanent may apply with an undertaking that if selected, they will resign the job before taking up the fellowship. The application will be rejected if the undertaking is not enclosed.

STIPEND:

For Science disciplines: Rs. 14000/- per month for 1st, 2nd and 3rd year. For Medical/Veterinary/ Pharmacy, Engineering and equivalent disciplines: Rs. 14000/-p.m. for the 1st and 2nd year and Rs. 15,000/-p.m. for the 3rd and 4th year. In addition, each SRF will receive a contingent grant of a maximum Rs. 20,000/-p.a. The grant will be provided to the University/Institution with which the SRF will be affiliated. SRFs will be given Rs. 3000/- (lump sum) extra on submission of Ph.D thesis in e-form. For details regarding format, etc. of e-thesis please see CSIR's Unit for R&D of Information Products (URDIP) at www.urdip.res.in.

TENURE:

SRF will be tenable initially for a period of two years. The term is extendable by one year on the basis of assessment of the progress already made. Those who have held or are holding equivalent fellowships awarded under various schemes of all India grant giving agencies such as DST, DBT, ICMR, UGC, ICAR etc. may apply **subject to the condition that the total tenure inclusive of CSIR fellowship shall not exceed three years. Those who have already availed, or would have availed by 31st December 2009, equivalent fellowship etc. for 3 years need not apply. The combined tenure of JRF, if any, and SRF will not exceed five years.** SRF will be terminated from the date of PhD viva voce or completion of tenure whichever is earlier. Those who are already holding equivalent fellowship should specify the reason for applying. **The application is likely to be rejected if the reason is not specified.**

B. SRF (EXTENDED):

All those candidates who have submitted their PhD/MD/MS/MDS thesis can apply under this category. All such candidates must submit necessary documents issued by the University, as proof of their having submitted the thesis. In the absence of such documents, application will be rejected. The applicant must have at least one publication in standard refereed journal as listed in Journal Citation Reports (JCR) etc. The selected candidates will be offered SRF (Ext) for one year only at a stipend of Rs. 15,000/-p.m. This tenure will be counted in case candidate applies and get selected for CSIR RA after getting PhD degree. Candidates applying for SRF (Ext), who are expected to obtain PhD degree by the time of the date of interview, may submit their research proposal as applicable to RA. Only those candidates, who bring the proof of PhD degree at the time of interview will be considered for RA.

C. RESEARCH ASSOCIATESHIPS:

ESSENTIAL QUALIFICATIONS:

1. The applicant should have a PhD before the last date of application (in a science or engineering subject) or MD/MS/MDS (in medical science subject) or ME/MTech/ MPharm/MVSc with three years R&D experience as on the last date of application, evidenced from fellowship or associateship or from date of registration of PhD.

2. The candidate must have at least one research publication in standard refereed journal as listed in Journal Citation Reports (JCR), etc.

Employed candidates, whether temporary or permanent, and also those who have already availed higher fellowships like Senior Research Associateships etc. will not be considered for RAship.

STIPEND:

The stipend of RA will be one of the following.

Rs. 16,000/- p.m.

Rs. 17,000/-p.m.

Rs. 18,000/-p.m.

In addition, each RA will receive a contingent grant of a maximum of Rs. 20,000/-p.a which will be provided to the concerned University/Institution.

TENURE:

RA will be tenable initially for one year. It may be extended further at the discretion of CSIR based on three members assessment committee report. The total tenure of RA is fixed for 3 years. Those who have held or are holding equivalent Associateships under various schemes of all-India grant giving agencies such as DST , DBT, ICMR, UGC, ICAR etc. may apply subject to the condition that the total tenure of RA including that of CSIR shall not exceed three years. Those who have already availed equivalent grant of any kind for three years need not apply.

D. OTHER CONDITIONS/INFORMATION

AGE LIMIT:

Senior Research Fellow	:	Maximum 32 years as on the last date of application.
SRF Extended	:	Maximum 33 years as on the last date of application.
Research Associate	:	Maximum 35 years as on the last date of application.

Age limit is relaxable by five years for SC, ST, OBCs and physically handicapped on production of suitable certificates from the competent authority. Women candidates are also given age relaxation of five years.

SELECTION PROCEDURE FOR SRF/RA:

Selection will be made through interview of candidates short-listed on the basis of their academic records, experience and assessment of research work already carried out and published by the candidates, by discipline-wise high level expert committees. The candidates called for interview will be paid single second class rail fare to and fro by the shortest route. **Merely fulfilling of the essential qualifications will not entitle a candidate for being called for interview. CSIR reserves the right to call or not to call a candidate for interview.**

E. CANDIDATES APPLYING UNDER THE CODE GLOBE 32

Candidates applying under this code will have to work in any one of the two areas given below:

(a) Global Change

Candidates applying for these positions will have to work in following areas:

1. Modeling-
 - Atmospheric Chemistry Modeling
 - Dispersion modeling
 - Impact Assessment Modeling in the areas of climate change, agriculture, human health, sea level rise, water resources, vulnerable ecosystems etc.
2. Atmospheric Chemistry Measurements

- Measurement of atmospheric trace gases and particulate matter
3. Inventorization
- Inventorization of emissions and sinks of atmospheric trace gas species and particulate matter at different spatial levels.

Qualifications:

For SRF: Masters in Physics / Chemistry/ Earth Sciences /Meteorology/ Statistics/ Engineering Sciences with at least 55% marks and two years research experience and at least one publication in SCI journal

For RA: Ph.D. in atmospheric Sciences/areas related to global change with at least one publication in journal listed in Journal Citation Report (JCR) etc.

Place of work: The selected candidates can be placed in any institute in India including monitoring laboratories established at sites like Ladakh/Sundarbans/Darjeeling/Port Blair etc.

(b) Radio Science

Candidates applying for these positions will have to work in following areas:

- Radio Remote Sensing of Geospace Environment and Biological System.
- GPS Programmes and Ionospheric Tomography
- CAWSES
- Radio Communication technologies for applications in difficult terrains or special areas (e.g. rural communication)

Qualifications:

For SRF: Masters in Physics/Mathematics/Statistics/Meteorology/ Electronics and Radio Communication/Radio Physics and Electronics/Engineering Sciences with at least 55% marks and two years research experience and at least one paper in SCI journal.

For RA: Ph.D. in Radio Communication/Tropospheric Propagation/Mathematical Modeling of Geospace Environment/other areas of Radio Science with at least one publication in JCR, etc.

Place of work: The selected candidates can be placed in any institute in India including monitoring laboratories established at sites like Ladakh/Sundarbans/Darjeeling/Port Blair etc.

Note: Since the place of work and area of work will be decided by the selection committee based on the candidate's qualifications, experience and aptitude, no project proposal is to be submitted and the application is to be signed only by the applicant without getting it forwarded by any university/institute.

F. CANDIDATES APPLYING UNDER THE CODE STS 71

Only those candidates desirous of working on one of the following broad topics may apply under the Code STS 71:

- R & D Management (Planning, Priorities, Evaluation, Social and Economic Impact, etc.)
- Intellectual Property laws, Policies, Management and evaluation, etc
- Technology forecasting, Assessment and Management;
- Policies, Programmes, and approaches for innovation policies, promotion instruments and management;
- S & T Policies, Programmes and interface with global economic agenda such as Food, Energy, Ecology and Environment, Climate Change, poverty alleviation, Natural hazards;
- S & T interface with Society, Polity and Production sectors.
- Societal impact in the open economy era.

Candidates applying under this code should have essential qualification as applicable to other codes with an exception that degree at the master level can also be in management, social sciences, commerce, etc.

G. FELLOWSHIP IN TRANS DISCIPLINARY AREA TDR/81:

The objective of fellowship in Trans disciplinary area is to encourage research in new and emerging areas like bio-informatics, geo-acoustics, nano-biotechnology, etc. where boundaries between disciplines are transcended and knowledge and perspectives from different disciplines are integrated.

Trans disciplinary research brings together two or more disciplines to generate new knowledge through collaborations outside the limits of one's own discipline.

Candidates applying under this code should have essential qualification as applicable to other codes.

H. INSTRUCTIONS TO THE CANDIDATES

The candidates should carefully read these instructions before submitting their applications:

- i. **A candidate can apply in only one subject code.** Code number of the subject should be carefully selected (given in Appendix I) and indicated against the appropriate column. It should be directly related to past education and experience and future area of study. Identification of irrelevant code or code not matching with the proposed topic of research may lead to rejection of the application. No change of code would be permitted.
- ii. Details from the time of obtaining the qualifying degree till the last date of application should be mentioned clearly in column 18 of application form. **Unaccounted period, if any, may lead to rejection.**
- iii. All the necessary documents i.e. office orders in support of the research experience mentioned in column 18 of application form and proof of PhD registration should be attached, otherwise application will be rejected. **No testimonial will be accepted as proof of research experience.**
- iv. Candidates should be prepared to produce original certificate, PhD registration, research experience (office orders), reprints & letter(s) of acceptance about papers under publication, NET, GATE certificate at the time of interview and later when required
- v. **Applications will be processed on the basis of information provided in the online application.** (If the information given in the application form does not tally with the originals at the time of verification of documents, the candidate may not be allowed to appear for interview and no TA shall be paid to such a candidate). **Applications/ documents received after the last date will not be entertained.**
- vi. Those who have already applied three times and not called or selected need not apply.
- vii. Date of interview will not be changed on request from candidates.
- viii. Misrepresentation or hiding of facts shall lead to disqualification.
- ix. While every effort is made by CSIR to have committees with wide-ranging expertise, it may not be possible in all areas to get experts in fields in which the candidate desires to work. Therefore, complaints of rejection on this account will not be entertained by CSIR after the interviews.
- x. Decision of CSIR on all matters including calling for interview, selection, recommendation and placement etc. shall be final. No correspondence in the matter will be entertained.
- xi. Canvassing if any form will be a disqualification. **No interim enquiries will be attended to.**
- xii. The candidates are advised in their own interest to apply early enough to ensure timely receipt of their application by the CSIR on or before the closing date.

IMPORTANT INSTRUCTION

Candidates after successfully submitting application online are required to take print out of the Application Form and paste his/her recent photograph in the space provided and send (as the topmost page) along with the following documents

- (i) Demand Draft of specified fee (in favour of Head HRDG, EMR Payable at Delhi.)
- | <u>Category</u> | <u>Fee</u> |
|-----------------------------|------------|
| General | Rs. 400/- |
| Other backward classes | Rs 200/- |
| SC/ST/physically challenged | Rs 100/- |
- Mention your Acknowledgement no., name and address on the back of Demand Draft.
- (ii) Detail description of proposed research topic giving an outline of the problem (about 1000 words) to be addressed, its importance, objective(s), technical programme and yearwise plan of work.
- (iii) Attested copies of school leaving certificate, degrees, marksheets, Proof of PhD registration, Proof of PhD Submission (for SRF Extended), NET, GATE, etc.
- (iv) Attested copies of documents in support of research experience. **Only office orders will be accepted as proof of experience.** Testimonials **will not** be accepted for this purpose.
- (v) Attested copies of research papers published, accepted for publication.
- (vi) Testimonial from Guide/ Supervisor.
- (vii) Undertaking to resign in case of employed candidates in the event of award of fellowship (for SRF)
- (viii) Attestations by the proposed Guide/Supervisor and the Head of the Institute at the space provided in the hard copy of the Application Form

to **Deputy Secretary, Human Resource Development Group, CSIR Complex, Library Avenue, Pusa, New Delhi 110 012, so as to reach latest by August 24th, 2009. The subject code in which applied should be clearly and boldly written on the envelope.**

Since the application is to be forwarded through proper channel, it will be advisable to apply well in time.

Applications received after the last date or incomplete applications will be rejected. No interim correspondence will be entertained. The decision of CSIR on all aspects of selection process will be final. No refund of application fee can be made under any circumstances.

SUBJECT CODE (column 2 of Application form)

Medical & Pharmaceutical Sciences	MEDIC	11
Biochemistry, Biophysics, Immunology, Microbiology & Physiology of Living Systems	LIFE	12
General Biology, Genetics & Molecular Biology	GEN BIO	13
Organic Chemical Sciences	CHEM	21
Inorganic & Analytical Chemical Sciences	CHEM	22
Physical Chemical Sciences	CHEM	23
Material Sciences	CHEM	24
Earth, Ocean, Environmental, Atmosphere & Planetary Sciences	EARTH	31
Global Change Science	GLOBE	32*
Aeronautical, Civil, Mechanical, Chemical & Metallurgical Engineering Sciences	ENG	41
Agro-, Bio-, Physico-, Chemico-, & Food-Textile Technology	ENG	42
Electrical, Electronics, Instrumentation & Computer Engineering Sciences	ENG	43
Mathematical (Mathematics, Operations Research, Statistics) Sciences	MATH	51
Astronomy/Astro Physics/Atomic Physics/Molecular Physics	PHYS	61
Nuclear Physics/Particle Physics	PHYS	62
Solid State Physics/Material Sciences	PHYS	63
Applied Physics	PHYS	64
Science & Technology Studies (R&D Management & Planning, MIS, Manpower Planning etc.)	STS	71**
Trans Disciplinary Research	TDR	81***

* Applicants under this code should read the relevant para E above before filling up the application form.

** Applicants under this code should read the relevant para F above before filling up the application form.

*** Applicants under this code should read the relevant para G above carefully before filling up the application form.