



CSIR-Central Drug Research Institute, Lucknow
Council of Scientific and Industrial Research
Sector 10, Jankipuram Extension, Sitapur Road,
Lucknow – 226 031, Uttar Pradesh, India



SCIENTIST RECRUITMENT- 07/2021

Advertisement No 07/2021

Access link 'SCIENTIST RECRUITMENT- 07/2021' on <https://www.cdri.res.in>

Start Date for Registration for Online Application: 19 July, 2021, 13:00 Hrs IST
 Last Date for Registration & Submission of Online application: 27 August, 2021, 17:30 Hrs IST
 Last date of Receipt of physical copy of application at CDRI: 20 Sept., 2021, 17:30 Hrs IST

A unique opportunity for research career in Science & Technology in the area of Drugs, Pharmaceuticals and Biomedical Research

CSIR-Central Drug Research Institute, Lucknow, a premier Institute under Council of Scientific and Industrial Research (CSIR), is involved in multidisciplinary R&D programs of both basic and applied nature. CSIR-CDRI is a pioneer biomedical research organization in India and has the infrastructure and expertise to develop a drug from concept to commercialization. In the year 2012, CSIR-CDRI shifted to its state of the art new campus, which has been set up with a vision to serve as a Nodal Center of CSIR in new drug discovery and development. Spread across ~61 acres, it houses an R&D Complex, Support Services, Guest House, Hostel and Staff Quarters. Please visit <http://www.cdri.res.in> for further information.

With the aim to expand and strengthen the areas of Neurobiology, Virology, Parasite Biology, Endocrinology, Human Genetics, Analytical Biochemistry, Computational Chemistry, Medicinal Process Chemistry, Statistics, IPR & HR Management, the Institute is looking for enthusiastic, talented young researchers / professionals with brilliant academic record, proven scientific achievements and zeal to conduct research as per the mandate of the Institute aligned with National Missions. **Due weightage will be given to the candidates involved in the product development/ technology innovation/applied technology / translation research. The positions offer exciting opportunities for career growth as per the Flexible Complementing Scheme for Scientists.**

Applications are invited from motivated young Indian Nationals with requisite qualification and experience for the following posts as per the details given below. The emoluments and age limit for various posts as per norms is summarized as below: -

Designation	No. of Posts	Pay Level	Basic	*Total Emoluments	**Upper Age Limit not exceeding (as on)
Scientist	01 [UR-1] & 01 ST Backlog Post	11	Rs. 67700/-	98465/-	32 years
Senior Scientist	07 UR/Lateral Entry	12	Rs.78800/-	113228/-	37 years
Principal Scientist	02 UR/Lateral Entry	13	Rs.123100/-	172147/-	45 years

UR: Unreserved; SC: Scheduled Caste; OBC: Other Backward Class; EWS: Economically Weaker Section;

* Approximate total emoluments on minimum of scale including House Rent Allowance in Lucknow City.

**Please see age relaxation under Relaxation column.



Post Code	Area	Post Designation	No of Posts & Reservation	Age Limit & Emoluments	Essential Educational Qualifications & Experience	Desirable Experience &	Job Specification [#]
001	Medicinal and Process Chemistry	Senior Scientist	1 UR	Age limit: 37 Pay Matrix Level-12	PhD in the area of Chemistry / Chemical Sciences with 2 years' experience in the area of Medicinal Chemistry	State of the art knowledge in modern synthetic Medicinal chemistry. Experience in designing chemical compounds for biologically activity and data analysis. Synthetic biology in the context of drug designing and drug discovery. A record of publications and/or patents demonstrating proficiency in synthetic chemistry and drug discovery.	Design and synthesis of novel chemical compounds for target based drug discovery.
002	Natural Product Chemistry	Senior Scientist	1 UR	Age limit: 37 Pay Matrix Level-12	PhD in the area of natural sciences with two years research experience in the area of Natural Products Chemistry	Doctoral work in the area of natural products chemistry / phytochemistry / marine chemistry / microbial chemistry or pharmacognosy with proven competence and experience in screening, extraction, isolation and characterization of natural products; use of modern analytical and spectroscopic techniques	To conduct R&D in medicinal Chemistry / natural product chemistry aimed towards new drug discovery and development from natural resources for life style Diseases / infectious Diseases / Reproductive Health. Appointees are expected to take up consultancy and industry sponsored R&D project activities.
003	Neuroscience	Scientist	1 UR	Age limit: 32 Pay Matrix Level-11	MD/MVet Pharmacology / Neuropharmacology. OR PhD(submitted) in any area of Neurosciences	First hand working experience in human IPSs and human NSC, Rodent NSCs, Brain organoids, Brain on chip. Brain Ca++ imaging in live animals and ontogenetic stimulation and recording of neurobehaviors.	Conduct fundamental neurobiology experiments to discover druggable target and pathways. Development of new assay system to screen NCEs for drug discovery for CNS diseases
004	Endocrinology and Metabolic Diseases	Principal Scientist	1 UR	Age limit: 45	PhD in any area of life sciences with 3 years' research	Experience in diabetic vascular complications	Research in the area of fundamental basis

				Pay Matrix Level-13	experience in Life Style Disorders	with epigenetic contributions	of metabolic disorder using cellular, model systems and patient samples.
005	Cancer	Principal Scientist	1	Age limit: 45 Pay Matrix Level-13	PhD in any area of life sciences with minimum 3 yrs research experience in Cancer Biology	Experience in tumor animal models, Patient derived xenografts. Proven track record / success in independent grant applications in the area of Cancer Biology	Cancer Biology, Patient derived mouse model, Drug Discovery.
006		Senior Scientist	1 UR	Age limit: 37 Pay Matrix Level-12	PhD in any area of life sciences with minimum 2 yrs research experience in Cancer Biology	Cancer genomics, RNA seq, ChIP seq analyses, molecular modeling, target based drug discovery.	Cancer Genomics / Ageing & Cancer
007	Clinical Pharmacology	Senior Scientist	1 UR	Age limit: 37 Pay Matrix Level-12	MD with 3 years' experience pharmacology / medicine. OR MBBS +PhD in any area of life sciences	MD in Pharmacology / Medicine with clinical research experience in lifestyle disorders (of CVS-CNS & the metabolic axis) and experience in IND documentation and clinical trial design	Complement pre-clinical research to validate novel drug targets for lifestyle disorders; Preparation of IND documents for submission to regulatory agencies, design of clinical trials for molecules under development.
008		Scientist	1 ST (Backlog)	Age limit: 32 Pay Matrix Level-11	MD pharmacology OR Ph.D (submitted) in clinical pharmacology	MD in Pharmacology, experience in IND documentation and clinical trial design	Preparation of IND documents for submission to regulatory agencies, design of clinical trials for molecules under development, perform clinical research for value addition to CDRI drugs.
009	Toxicology & Experimental Medicine	Senior Scientist	1 UR	Age limit: 37 Pay Matrix Level-12	MD/MVet (Sc) with 3 yrs research experience in human / mammalian genetic disorder and genotoxicity. OR PhD in any area of life sciences / Genetics with 2 yrs research experience in human / mammalian genetic disorder and genotoxicity.	Experience in genotoxicity / reproductive toxicity evaluation as evident from the publication	To evaluate genotoxicity & reproductive toxicity as per international regulatory guidelines for IND applications in addition to basic research in the area.

010	Pharmaceutics and Pharmacokinetics	Senior Scientist	1 UR	Age limit: 37 Pay Matrix Level-12	PhD in the area of Pharmaceutical Sciences/ Life Sciences with two years research experience in the area of drug delivery and /or quality control	PhD thesis incorporating development of drug delivery systems and validation of bio-analysis by HPLC or LC-MS or LC-MS/MS; experience in the pharmaceutical industry in the area of delivery systems and bio-analytical methods for pharmacokinetic metabolite identification OR post-doctoral research experience, published work of high quality in respect of novel strategies of formulation development and drug delivery systems and biomedical analysis; experience in animal handling OR approved chemist (by state Licensing Authority/CDSCO	Development of formulations and delivery systems in line with CDRI mandate and to develop and validate analytical methods for API, formulations, blood, plasma/serum and tissue samples as per regulatory requirements, design and conduct of clinical and pre-clinical studies on pharmacokinetics in rodents and non-human primates, pharmacokinetic modeling, metabolite identification.
011	Bio-chemistry and Structural Biology	Senior Scientist	1 UR	Age limit: 37 Pay Matrix Level-12	PhD in the area of Structural Biology/ Biophysics/ Biochemistry, or related discipline with minimum 2 years' experience in the area of high resolution structure determination of biological macromolecules using Cryo-EM techniques and expertise in Generation, optimisation and analysis of negative stain and cryo-EM grids, Processing of single particle cryo-EM data and familiarity with cryo-EM software packages, performing single particle cryo-EM on a range of targets, Expression, purification and characterisation of proteins and/or	Outstanding experience in all aspects of cryoEM and single particle analysis, from construct design through structure refinement, to pursue a number of potential drug targets. Experience in macromolecular X-ray crystallography/ Small-Angle-Xray Scattering is desirable.	Pursue independent research projects focused on exploring the structure and molecular mechanism of proteins of therapeutic interest to the Institute, primarily using high resolution Cryo-EM methods. Develop strong multi-disciplinary collaborations for research and translation in Drug discovery and therapeutic targets characterization

					protein complexes, for carrying out fundamental drug discovery and research including Fragment-based and Structure-based drug-discovery.		
	Total		11				

General information and conditions: -

1. Benefits under Council service:

- a. These posts carry usual allowances i.e. Dearness Allowance (DA), House Rent Allowance (HRA), Transport Allowance (TA) etc. as admissible to the Central Government employees and made applicable to CSIR. Council employees are also eligible for accommodation of their entitled type as per CSIR allotment rules depending on availability in which case HRA will not be admissible.
- b. In addition to the emoluments indicated against each category of posts, benefits such as applicability of New Pension Scheme 2004, reimbursements of Medical Expenses, Leave Travel Concession, Conveyance advance and House Building Advance are available as per CSIR rules.
- c. Scientists may also be permitted to undertake consultancy and sponsored R&D project activity as per CSIR rules. These activities give them scope to earn consultancy fee and honorarium as per CSIR guidelines governing these activities. Opportunities also exists for foreign deputations for training/presentation of papers/specific assignments etc.
- d. CSIR provides excellent opportunities to deserving candidates for career advancement under Assessment Promotion scheme for Scientists.
- e. Deserving candidates may be considered for advance increment as per CSIR Rules.

2. Other conditions

- a. The applicant must be a citizen of India.
- b. All applicants must fulfill the essential requirements of the post and other conditions stipulated in the advertisement as on the last date of submission of online application i.e. 27 August, 2021. They are advised to satisfy themselves before applying that they possess at least the essential qualifications laid down for various posts as on the last date of submission of online application i.e. 27 August, 2021
The prescribed essential qualifications are the minimum and the mere possession of the same does not entitle candidates to be called for interview. The duly constituted Screening Committee will adopt its own criteria for short-listing the candidates. The candidate should therefore, mention in the application all the qualifications and experiences in the relevant area over and above the minimum prescribed qualification, supported with documents to be submitted with the hard copy (print-out) of the application. Completion of Ph.D. degree will be reckoned from the date of issue of provisional certificate/notification. . In case of EQ with PhD thesis submitted candidates have to attach the proof of submission of PhD.
- c. The hard copy (print-out) of the application for each post, generated after filling Online application form, should be accompanied by self-attested copies of the relevant educational qualification, experience. Candidate should submit hard copy in separate envelope with post-code. The prescribed qualifications should have been obtained from recognized Universities / Institutions etc. Incomplete applications/applications and applications received without the required certificates / documents are liable to be rejected
- d. In respect of equivalent clause in Essential Qualifications, if a candidate is claiming a particular qualification as equivalent qualification as per the requirement of advertisement, then the candidate is required to submit order/letter in this regard, indicating the Authority (with number and date) under which it has been so treated otherwise the Application is liable to be rejected.
- e. The period of experience rendered by a candidate on part time basis, daily wages, visiting / guest faculty will not be counted while calculating the valid experience for short listing the candidates for interview.
- f. If any document / certificate furnished is in a language other than Hindi or English, a transcript of the same duly attested by a Gazetted Officer or Notary is to be submitted.
- g. The date for determining the upper age limit, qualifications and /or experience shall be the closing date prescribed for submission of online application i.e. 27 August, 2021.
- h. The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualifications prescribed for that Grade. Experience certificate must be issued from competent administrative authority of the concerned organization.
- i. Persons with Disabilities (PWD) fulfilling the eligibility conditions prescribed under GOI instructions are encouraged to apply.
- j. In case a candidate is staying abroad, his/her candidature may be considered *in absentia* by the Selection Committee on his/her written request.
- k. Only outstation candidates called for interview will be paid to- and fro- single second class rail fare from the actual place of undertaking the journey or from the present address in application form whichever is nearer to Lucknow Railway Station on production of proof of journey for the journey performed within India. Candidates who are already in the service of the Central/State Govt., a Central/State Govt. Corporation, Public Sector undertaking, local Govt. Institution or Panchayat called for Interview will not get T.A.

- l. Any discrepancy found between the information given in application and as evident in original documents will make the candidate ineligible for appearing in interview. Such candidate will not be paid any fare.
- m. The decision of the CSIR-CDRI in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, and conduct of examination/interview will be final and binding on the candidates.
- n. Canvassing in any form and / or bringing any influence political or otherwise will be treated as a disqualification for the post.
- o. NO INTERIM ENQUIRY OR CORRESPONDANCE WILL BE ENTERTAINED. The **Helpdesk** contacts mentioned on the website for Online application is for resolution of operational issues related to Online submission of application form only.

3. **Relaxations:**

- a. The upper age limit is relaxable upto 05 years for SC/ST and 03 years for OBC as per Government orders in force only in those cases where the post is reserved for respective categories, on submission of relevant certificate in the prescribed Central Government format issued by the competent authority at the time of interview.
- b. Upper age limit is also relaxable up to five years for the regular employees working in CSIR laboratories / institutes, Government Departments, autonomous bodies and public sector undertakings. This relaxation is admissible to such the government servants as are working in posts which are in the same line or allied cadres and where a relationship could be established that the service already rendered in a particular post will be useful for the efficient discharge of the duties of the posts, recruitment to which has been advertised.
- c. As per Gol provisions, age relaxation will be given for eligible applicants. Widows, Divorced Women and Women Judicially separated from Husbands, the upper age limit is relaxable up to the age of 35 years (upto 40 years for members of Scheduled Castes/Scheduled tribes in respect of the posts reserved for them) for Widows, divorced Women and Women judicially separated from their Husbands who are not remarried. The persons claiming age relaxation under this sub-para would be required to produce following documentary evidence: -
 - i) In case of Widow, Death Certificate of her husband together with the Affidavit that she has not remarried since.
 - ii) In case of divorced Women and Women judicially separated from their husbands, a certified copy of the judgement/decree of the appropriate Court to prove the fact of divorce or the judicial separation, as the case may be with an Affidavit in respect of divorced Women and they have not remarried since.
- d. Age relaxation to Persons with Disabilities (PWD): Age relaxation of 10 years is allowed (total 15 years for SCs/STs and 13 years for OBCs in respect of the posts reserved for them). The persons claiming age relaxation under this sub-para would be required to produce a certificate in prescribed proforma in support of their claims clearly indicating that the degree of physical disability is 40% or more. In any case, the appointment of these candidates will be subject to their being found medically fit in accordance with the standards of medical fitness as prescribed by the Government for each individual Group 'A' posts to be filled by Direct Recruitment by Selection.
- e. Relaxation in age, over and above the stipulated limit, educational qualification and / or experience may be considered in case of exceptionally meritorious candidates or if sufficient number of candidates possessing the requisite qualification and / or experience are not available to fill up the posts.

4. **How to apply:**

- a. Eligible candidates are required to fill the application form ONLINE by accessing the link 'SCIENTIST RECRUITMENT-07/2021' available on CDRI website <https://www.cdri.res.in> The printout of the application, generated after Online submission is to be sent to CDRI with all the relevant enclosures before 20, Sept., 2021, 17:30 Hrs. IST.
- b. For online application process please refer '**How-to-apply Online**' instructions, '**Fee Payment Procedure**' and '**Application Replica**' available on the above-mentioned website.
- c. The application is to be submitted in four distinct steps, as below:
 - 1. Registration (online)
 - 2. Fee Submission (online)
 - 3. Application Submission (online)
 - 4. Dispatch of physical copy of online application with original signature (manual)
- d. The datelines for the above-mentioned stages of application is as follows:

Start Date for Registration for Online Application:

Monday, 19 July 2021; 13:00 Hrs IST

Last Date for Registration, Fee Submission and Online Application: Friday, 27 August 2021; 17:30 Hrs IST

Last date of Receipt of physical copy of application at CDRI: Monday, 20 September 2021; 17:30 Hrs IST

- e. Candidates are required to pay application fee of Rs. 100/- as per '**Fee payment procedure**' available on the website. The candidates belonging to SC/ST/PWD/Women/Other Gender/CSIR Employees are exempted from submission of application fee.
 - f. In case of universities/institute awarding CGPA/SGPA/OGPA grades etc., candidates are requested to convert the same into percentage based on the formula as per their university/institute guidelines.
 - g. The print-out of the application, generated after online submission, duly accompanied by self-attested copies of the requisite certificates, mark sheets, age proof, education qualifications, experience, **re-prints of 1st page of publications** and caste certificate, if applicable, along with one recent colored passport size self-signed photograph affixed should be sent in an envelope super-scribed "APPLICATION FOR THE POST OF _____ (Post Code _____)" by post to "**The Director, CSIR-Central Drug Research Institute, Sector 10, Jankipuram Extension, Sitapur Road, Lucknow – 226031, Uttar Pradesh, India**". Candidates applying for more than one post must submit each application in separate envelope for each post indicating the Code No. of the post.
 - h. Application once made will not be allowed to be withdrawn and fees once paid will not be refunded on any count nor can it be held in reserve for any other recruitment or selection process.
 - i. Applications from employees of Government Departments will be considered only if forwarded through proper channel, certified by the employer that the applicant, if selected will be relieved within one month of the receipt of the appointment orders. Also, vigilance clearance should also be submitted. However, advance copy of the application may be submitted before 20 Sept., 2021, 17:30 Hrs IST. Applications routed through proper channel should reach CSIR-CDRI before date of outcome.
 - j. Candidates should specifically note that the applications received after the closing date for any reason whatsoever (such as envelopes wrongly addressed, delivered elsewhere, postal delay etc.) will not be entertained by CSIR-CDRI.
 - k. Incomplete applications (i.e. without photograph, unsigned and applicable testimonials etc.) will not be entertained and will be summarily rejected.
- 5. Following documents must be attached along with the physical/hard copy(print-out) of online application form sent by post:**
- A Coloured photograph pasted on the form and signed across in full.
 - B Self-Attested photocopy of 10th / 12th class certificate indicating Date of Birth.
 - C Self-Attested photocopies of all education qualifications certificates as well as mark sheets.
 - D Self-Attested photocopy of Caste, EWS& PwD certificate, if applicable.
 - E Self-Attested photocopies of experience certificates, if any.
 - F Recommendations of the referees, if any
 - G All other supportive documents in support of the application

IMPORTANT: CANDIDATES MUST DOWNLOAD AND READ "HOW TO APPLY ONLINE" DOCUMENT, AVAILABLE ON THE WEBSITE, FOR INSTRUCTIONS FOR ONLINE APPLICATION.

Controller of Administration

