



CSIR-Central Electrochemical Research Institute
(Council of Scientific and Industrial Research)
Karaikudi 630003, Tamilnadu, India



Advertisement No.02/2023

Date of commencement of ONLINE applications : 01.07.2023 (09:00 hrs IST)

Last date for submission of ONLINE applications : 31.07.2023 (23:30 hrs IST)

A unique opportunity for research careers in Electrochemistry

CSIR-Central Electrochemical Research Institute (CSIR-CECRI), Karaikudi, is a premier institute working under the aegis of Council of Scientific and Industrial Research (CSIR), an autonomous body functions under Department of Science & Technology, involved in multidisciplinary R&D programmes in the domain of Electrochemical Science and Technology. The thrust areas of research include Corrosion & Materials Protection, Electrochemical Power Sources, Electroplating & Metal Finishing, Electrochemical Process Engineering, Electro-organic & Materials Electrochemistry, Electrodeics & Electrocatalysis, Networking Systems and Instrumentation. CSIR-CECRI aims to play a catalytic role for stimulating the growth of electrochemical industries in the country by nurturing academic excellence & creativity. For more details about the institute, visit <https://www.cecri.res.in>.

Online Applications are invited from enthusiastic, young and dynamic Indian nationals having excellent academic record and proven scientific achievements with requisite experience and strong desire to take up research as a career in Electrochemistry to fill various posts of Scientists.

The details of positions, emoluments as well as age limit are given below:

Designation	No. of Posts & Reservation	Initial Pay and level in Pay Matrix	**Total Emoluments	***Upper Age Limit not exceeding (as on 31.07.2023)
Scientist	<p align="center">18 Posts</p> <p>UR-6 UR-PWD(HH[^])-1 EWS-2 OBC-2 SC-1 SC-1* ST-5*</p> <p>* Backlog vacancies</p>	₹.67,700/- Level-11	₹.1,07,339/-	<p>32 years for UR & EWS Posts</p> <p>42 years for UR(HH) Post</p> <p>35 years for OBC Posts</p> <p>37 years for SC/ST Posts</p>

**** Total Emoluments means approximate total emoluments on minimum pay of the level including House Rent Allowance in Class 'Z' City.**

*****Please see age relaxation under Relaxation.**

^ Hearing Handicapped

Post Code/ No. of Positions & Category	Designation & Age limit including relaxation for SC/ST/OBC	Essential Educational Qualification & Experience	Desirable Experience	Job Requirements
S2301 3 Posts (UR)	Scientist Age Limit: 32 years	Ph.D. (Submitted) in Chemistry / Chemical Sciences	R&D Experience evidenced by Publications in SCI Journals/Patents in the area of (i) electrochemical water treatment processes and removal of organic / inorganic contaminants; AND/OR (ii) electrolytic processes involving electrocatalytic approach for hydrogen generation through water electrolysis; AND/OR (iii) corrosion aspects and their mitigation methods; AND/OR (iv) synthesis, fabrication, evaluation & scale-up activities of energy storage systems such as batteries (Li-ion, Na-ion & new generation rechargeable batteries) and supercapacitors; AND/OR (v) development of process for specialty chemicals and coating techniques especially electroplating and electrometallurgy processes. AND/OR (vi) electrochemical synthesis of organic molecules of unique selectivity towards oxidation, reduction & functionalization.	Selected candidates are expected to involve in the various divisional activities and contribute individually to CSIR's large multi- disciplinary / multi- institutional research program initiatives. They are also expected to prepare project proposals in recent R&D concepts to fetch attractive funding schemes from the appropriate funding agency.
S2302 2 Posts (OBC)	Scientist Age Limit: 35 years			
S2303 1 Post (SC)@	Scientist Age Limit: 37 years			
S2304 4 Posts (ST)@	Scientist Age Limit: 37 years			
S2305 1 Post (UR)	Scientist Age Limit: 32 years	Ph.D. (Submitted) in Physics / Physical Sciences	R&D Experience evidenced by Publications in SCI Journals/Patents in the area of electrochemical science and technology particularly in; (i) corrosion analysis and protection methods; AND/OR (ii) Designing & Validation of energy storage systems; AND/OR (iii) development of surface coatings using electrochemical, vapour deposition, thermal spraying techniques. AND/OR (iv) renewable energy harvesting systems.	
S2306 1 Post (UR(HH))	Scientist Age Limit: 42 years			
S2307 1 Post (EWS)	Scientist Age Limit: 32 years			
S2308 1 Post (ST)@	Scientist Age Limit: 37 years			

S2309 2 Posts (UR)	Scientist Age Limit: 32 years	M.E. / M.Tech. in Chemical Engineering	R & D experience in the area of electrochemical technology evidenced by SCI Journals/publications / patents / technology in; (i) corrosion analysis and mitigation techniques;	Selected candidates are expected to involve in the various divisional activities and contribute individually to CSIR's large multi-disciplinary / multi-institutional research program initiatives. They are also expected to prepare project proposals in recent R&D concepts to fetch attractive funding schemes from the appropriate funding agency.
S2310 1 Post (EWS)	Scientist Age Limit: 32 years		AND/OR (ii) Design and modeling of electrochemical energy conversion and storage systems;	
S2311 1 Post (SC)	Scientist Age Limit: 37 years		AND/OR (iii) Development of high throughput catalyst materials for electrochemical applications; AND/OR (iv) Electrochemical reactor design, scaleup, process optimization for chemical synthesis, drinking water and waste water treatment.	

**ST: Scheduled Tribe; SC: Scheduled Caste; OBC: Other Backward Class; UR: Unreserved; HH: Hearing Handicapped; EWS: Economically Weaker Section
@: Backlog vacancies**

NOTE 1: AFTER APPLYING ONLINE, THE CANDIDATES SHOULD KEEP A SOFT COPY OF HIS / HER APPLICATION. THEY SHOULD NOT SEND ANY HARD COPY OF APPLICATION AFTER ITS SUBMISSION. CANDIDATES SHORTLISTED FOR INTERVIEW ALONE WOULD BE ASKED, AT AN APPROPRIATE TIME, TO SUBMIT THE HARD COPY OF THEIR APPLICATION.

NOTE 2: Apart from qualifications indicated above, any other recognized qualification, which is equivalent to the prescribed qualification, shall be treated at par with that qualification subject to production of document showing equivalency by respective university by candidate.

NOTE 3: In case of Ph.D. (Thesis Submitted) a valid certificate duly signed by the Registrar/Dean (Research)/Head of the Institution must be submitted as a proof of evidence.

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 as made applicable to CSIR council employees. 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 System, reimbursement of Medical Expenses as per CSIR Rules, Leave Travel Concession (LTC), Conveyance Advance and House Building Advance as made applicable to CSIR employees.
- c. Scientists in CSIR may be permitted to undertake consultancy and sponsored R&D project activity. Opportunities may be available 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 as per CSRAP Rules for Scientists.
- e. **Preference will be given to the candidates involved in Product Development / Technology Innovation / Applied Technology / Translational Research etc.**
- f. The appointment to the post shall be governed by the provisions of the Central Civil Services [Conduct] Rules, 1964, Central Civil Services [Classification, Control and Appeal] Rules, 1965 as amended from time to time and

other Service Rules to the extent made applicable to the Council Servant and decision of the Council as to their applicability shall be final.

2. **Other conditions:-**

- a. The number of vacancies indicated against each category is provisional. The Director, CSIR-CECRI has discretion to increase or decrease the number of posts or cancel the entire recruitment process at any stage.
- b. The applicant must be a citizen of India as on the date of application.
- c. All applicants must fulfill the essential requirements of the post and other conditions stipulated in the advertisement as on the last date of receipt of the on-line applications. 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 receipt of the on-line applications. No enquiry on advice for eligibility will be entertained.
The prescribed essential qualifications are the minimum and the mere possession of the same does not entitle candidates to be called for interview/test. A 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. Completion of Ph.D. degree will be reckoned from the date of issue of Provisional Certificate/Notification of Result/Thesis Submission/Award date, as the case may be.

SCREENING COMMITTEE WILL ADOPT SHORT LISTING CRITERIA TO RESTRICT THE NUMBER OF CANDIDATES TO BE CALLED FOR INTERVIEW TO A REASONABLE NUMBER BY ANY OR MORE OF THE FOLLOWING METHODS:

- i) On the basis of higher educational qualifications than the minimum prescribed in the advertisement.
 - ii) On the basis of higher experience in the relevant field than the minimum prescribed in the advertisement
 - iii) On the basis of result of a written test / seminar
 - iv) Determine Research specialization / Ph.D. discipline, from the topic of Ph.D. work as observed through the Title of the Thesis wherever required.
 - v) Any other methodology as deemed fit by Screening Committee.
- d. Therefore, candidates are advised not to leave any column unfilled and should mention in the application all the educational qualifications, experience, publications, patents, technology developed / commercialized by them in the relevant area, over and above the minimum prescribed qualification, DULY SUPPORTED WITH DOCUMENTS / CERTIFICATES AND MARKSHEETS (Semester wise, Year wise, wherever applicable).
 - e. Date of Birth filled by the candidate in the online application form (matching with the date recorded in the Matriculation / Secondary Examination Certificate) will be accepted by CECRI for determining the age and no subsequent request for change will be considered or granted.
 - f. 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 produce order/letter in this regard, indicating the Authority (with number and date) under which it has been so treated. Non submission of such a document will be rejected as invalid application.
 - g. **If any document/ certificate furnished is in a language other than Hindi or English, a transcript of the same duly attested by a Gazette officer or notary is to be submitted.**
 - h. The date for determining the upper age limit, essential qualifications and /or experience shall be the **closing date of submission of on-line applications i.e. 31.07.2023**
 - i. The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum educational qualifications prescribed for the position.
 - j. Persons with Benchmark disabilities fulfilling the eligibility conditions prescribed under GOI instructions are encouraged to apply. Relaxation in age limit shall be applicable irrespective of the fact whether the post is reserved for them or not.
 - k. **In case a candidate is staying abroad, his/her candidature may be considered in-absentia by Selection Committee only upon his/her written request.**
 - l. Only outstation eligible candidates called and found eligible for interview will be paid to and fro single second class rail fare from the actual place of undertaking the journey or from the normal place of their residence whichever is nearer to Railway Station, on production of Rail Tickets/Rail Ticket Numbers or any other proof of journey.
 - m. Any discrepancy found between the information given in application and as evident in original documents will make the candidate ineligible for appearing in interview/test. Such candidate will not be paid any fare.
 - n. The decision of the Director, CSIR-CECRI in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, and conduct of examination/seminar/Interview/test will be final and binding on the candidates.
 - o. Canvassing in any form and / or bringing any influence political or otherwise will be treated as a disqualification for the post.

- p. **Notification regarding details of candidates screened in /short listed to be called for interview and Selection will be notified through CECRI website: <https://www.cecri.res.in> from time to time. Candidates are advised to see the CECRI website regularly in this regard for updates.**
- q. The Competent Authority reserves the right to amend, delete and add any terms & conditions to this advertisement.
- r. NO INTERIM ENQUIRY OR CORRESPONDENCE WILL BE ENTERTAINED.

3. Relaxations :-

- a. The upper age limit is relaxable upto 05 (five) years for SC/ST and 03 (three) years for OBC as per Government orders in force only in those cases where the posts are reserved for respective categories, on production of relevant certificate for verification in the prescribed format signed by the specified authority at the time of interview.
- b. The Certificate for Backward Caste must clearly indicate that the candidate does not belong to the persons/sections (Creamy Layer) mentioned in Column 3 of Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt(SCT) dated 8/9/93 as amended from time to time. The OBC certificate should be in the format **FOR APPOINTMENT TO POSTS UNDER THE GOVERNMENT OF INDIA** with reference to relevant Government of India Orders meeting the Creamy Layer Criteria as laid down by Government of India and not for appointment in any of the States bearing references to those State Government Orders. OBC candidate's eligibility will be based on Castes borne in the Central List of Govt. of India. Their Sub-caste should match with the entries in Central List of OBC, failing which their candidature will not be considered under any of the applied reserved category and will be treated as UR, if otherwise eligible. **The OBC candidates who belong to "Creamy layer" are not entitled to concession admissible to OBC category and such candidates have to indicate their category as General.**
- c. The Benefit of reservation under EWS can be availed upon production of an Income and Asset Certificate issued by a Competent Authority as per DoPT O.M. No.36039/1/2019-Estt(Res) dated 31st January 2019. The income and Asset Certificate issued by specified authorities in the prescribed format shall only be accepted as proof of candidate's claim as belonging to EWS.
- d. Upper age limit is also relaxable upto 05 (five) years for the regular employees working in CSIR laboratories / institutes, Central/State Government Departments, Autonomous Bodies and Public Sector undertakings. This relaxation will be admissible to those who rendered 3 years of regular and continuous service as on closing date for receipt of the application.
- e. As per GOI provisions, age relaxation for Widows, Divorced Women and Women Judicially separated from Husbands, who are not remarried, the upper age limit is relaxable up to the age of 35 years(40 years for SC/ST) 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 that they have not remarried since.
- f. Age relaxation to Persons with Benchmark Disabilities category: Age relaxation of 10 years is allowed [total 15 years for SC/ ST and 13 years for OBC candidates] to the persons suffering from the following disabilities as per GOI orders:
 - a) blindness and low vision;
 - b) deaf and hard of hearing;
 - c) locomotor disability including cerebral palsy, leprosy cured, dwarfism, acid attack victims and muscular dystrophy;
 - d) autism, intellectual disability, specific learning disability and mental illness;
 - e) multiple disabilities from amongst persons under clauses a) to d) including deaf-blindness.

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 of India for each individual.

- g. Relaxation in age, over and above the stipulated limit, educational qualification and / or experience may be considered in case of exceptionally meritorious candidate(s) or if sufficient number of candidates possessing the

requisite qualification and/ or experience are not available to fill up the posts with the approval of Competent Authority.

- h. Relaxations in the upper age limit are applicable to all the categories as per Government of India instructions including Ex-Servicemen subject to the fulfillment of conditions prescribed for availing the same.

4. **Mode of selection:-**

- i) **Selection procedure for the Scientist:** The candidates as recommended by the Screening Committee will be invited for interview or any mode decided by Screening Committee.
- ii) **Screening Test:** A preliminary screening written test consisting multiple-choice questions could be conducted, if required, as per the decision of the Screening Committee to restrict the number of candidates to be called for interview for any of the posts.

5. **Application fee:-**

- a. The candidate has to remit an application fee of **Rs.500/-** through Net Banking only (**Payment of fee through Mobile Banking should be avoided as it does not match with the banker's transaction reference number**) to the following account and fill up the transaction details in the prescribed columns of online application:

Name of Account Holder: Director, CSIR–CECRI, Karaikudi

Account Number: 737253625

Bank Name: Indian Bank, A.C. Campus Branch, Karaikudi

IFS Code: IDIB000A008

MICR No.: 630019203

SWIFT Code: IDIBINBBMDN

- b. The candidates belonging to SC/ST/PwBD/Women/CSIR Employees are exempted from payment of application fee. The candidates staying abroad are required to remit the bank commission charges along with the application fee.

6. **How to apply :-**

- a. Eligible candidates are required to apply through ONLINE mode only in the link available on CSIR-CECRI's website <https://www.cecni.res.in>. Instructions to fill Online Application is also given in the CSIR-CECRI website.
- b. If the candidate does not have a valid email id, he/she should create a new email id before apply online.
- c. The candidate has to register with his / her name, email-id and password.
- d. **Candidates who wish to apply for more than one Post Code, must submit separate Online Application form for each Post Code alongwith separate Application Fee thereof (if applicable).**
- e. After successful registration, the candidate has to login using the credentials and fill up the Online application form.
- f. The candidate is required to upload a recent (i.e. not more than three month old) scanned colour passport size photograph in JPEG format (max 100 KB) with image dimension of about 300px (width) x 400px (height). The photograph should be without cap and both ears should be visible. The date on which the photograph has been taken should be printed on the photograph. The application without photograph is liable to be rejected as invalid.
- g. The candidate is required to upload his/her signature in JPEG format (max 100 KB) with image dimension of about 130px (width) x 150px (height). The application without signature is liable to be rejected as invalid.
- h. After filling-up the Online Application form, the candidate can verify / edit the application to ensure that the application is complete and correct in all aspects. After finalizing, candidate can finally submit the application online and take a print out of the application and keep it with himself/herself.
- i. After submission of ONLINE APPLICATION(s), the applicants **SHOULD NOT SEND ANY HARD COPY OF APPLICATION** at this stage. They should keep / retain a soft copy of their Online Application / keep a printout of online computer generated Application form.

- j. As and when a candidate is shortlisted for Interview, he / she would be asked to submit signed Hard Copy of his/her application alongwith self-attested copies of all the certificates / documents uploaded by them in the Online Application form.

The eligibility of candidate will be checked on the basis of information / documents submitted by them in the Online Application form. Therefore, candidates are advised that they should fill the Application form with utmost care and not leave any column unfilled. They should upload all certificates (including mark sheets) of 10th, 12th, Undergraduate, Postgraduate, Ph.D., Diploma/Certificate Courses, experience (if applicable) along with payment receipt (if applicable).

- k. Any discrepancy found between the information given in application and as evident from the supporting documents submitted will render candidate ineligible.
- l. Candidates called for Interview will be allowed to appear for Interview only if their duly signed Hard Copy is received.
- m. 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.
- n. After filling-up the electronic application form, the candidate can verify/edit the application to ensure that the application is complete and correct in all aspects. After finalizing, the candidate can print the application.
- o. Application once made will not be allowed to be withdrawn and fees once paid will not be refunded on any account nor can it be held in reserve for any other recruitment or selection process.
- p. 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 order. Also, vigilance clearance should be recorded. However, advance copy of the application may be submitted before the closing date.
- q. Incomplete applications i.e. application without photograph, unsigned, without application fee (if applicable), without requisite testimonials / documents / all certificates in support of claims made by the candidates in the Online Application form will be rejected as invalid

7. Candidates CALLED FOR INTERVIEW shall only have to submit the following documents by post /courier:

- a) Printout of Online Application form duly SIGNED BY THE CANDIDATE.
- b) Printed copy of e-receipt/challan for the application fee of Rs.500/- (wherever applicable).
- c) Colour photograph pasted on the Application Form and signed across.
- d) Self-Attested photocopy of Matriculation or equivalent certificate for age proof.
- e) Self-Attested photocopies of all educational qualification(s) certificate(s) and all mark sheets thereof (Semester wise/Year wise)
- f) Self-Attested photocopies of all experience certificate(s), if any.
- g) Self-Attested photocopy of caste/community/disability /weaker section /ESM certificate, if applicable.
- h) In case of widow/divorced women/judicially separated women or Ex-servicemen, the relevant certificate to be attached.
- i) No objection certificate (NOC) (from Govt. /Autonomous Body/Public Sector employees) if employed / proper channel application, wherever applicable.
- j) Self-Attested copies/ reprints of Publications/ Research Papers/ Patents etc., if any.
- k) Copy of AADHAR card (Desirable)

Note 4: CSIR / CSIR-CECRI reserves right to hold the interview either physical or virtual mode.

Administrative Officer
CSIR-Central Electrochemical Research Institute
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