



No. 07-09(11)/2024 – R&C

Dated: 27.04.2024

**NOTIFICATION No. PS – 04/2024**

**ENGAGEMENT OF PROJECT PERSONNEL ON TEMPORARY BASIS TO WORK IN CSIR – CECRI, KARAIKUDI**

**WALK-IN-INTERVIEW**

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.

CSIR-CECRI desires to engage talented candidates as **Senior Project Associate, Junior Research Fellow (Project), Project Associate – I and Project Assistant** on temporary basis in various projects tenable at CSIR-CECRI, Karaikudi as per qualification, age, emoluments, etc., detailed in the table below:

Position Code	Name of the Position & No. of Position (s)	Essential Qualification & Experience	Upper Age limit	Project Tenure, Title & Number	Monthly Emoluments
P01	Senior Project Associate (01 Position)	M.E/M.Tech in Metallurgical Engineering / Materials Engineering / Materials Science & Engineering / Laser Technology/ Laser Science & Applications/ Manufacturing Engineering / Thermal Engineering <b>with 2 years experience in Research and Development in industrial and academic institutions or science and Technology organisations and scientific activities and services.</b>  <b>Desirable:</b> R&D or Industrial experience in the field of materials processing by laser	40 Years	Upto 31.03.2027,  A Novel Composite Coating System for High Temperature Corrosion Resistance Applications  <b>MMP035201W7</b>	Rs. 42,000/-pm + HRA
P01	Senior Project Associate (01 Position)	Ph.D in Metallurgical and Materials Engineering  <b>Desirable:</b> Two years of experience in Magnesium metallurgy	40 Years	Upto 31.03.2026,  Development of light weight Mg based AP65 and AZ31 alloys for defence and strategic applications  <b>FTT080503</b>	
P02	Junior Research Fellow (P) (01 Position)	B.Tech in Biotechnology / Biomedical Engineering with GATE/NET  <b>Desirable:</b> Biomaterials, Bone tissue Engineering and Cell culture	35 Years	Upto 31.03.2027,  Selective laser melted low modulus $\beta$ Titanium alloy(Ti-Nb) bone implant with surface biofunctionalisation  <b>DST-SERB-CRG</b>	₹.37,000/-pm + HRA

Position Code	Name of the Position & No. of Position (s)	Essential Qualification & Experience	Upper Age limit	Project Tenure, Title & Number	Monthly Emoluments
P03	Project Associate – I (06 Positions)	<p>M.Sc in Chemistry</p> <p><b>Desirable:</b> Candidates having the following will be given preference:</p> <p>i) Experience in Polymer membranes/ Electrocatalysis/ Water electrolysis (or)</p> <p>ii) Electrochemistry (or)</p> <p>iii) Working experience in Synthesis / Organic Chemistry / Polymer Chemistry / Corrosion and Coatings (or)</p>	35 Years	<p>Upto 31.03.2026, Development of efficient scale-up strategies for indigenous alkaline anion exchange membranes( AAEMs) for water electrolyzers <b>FTT060502 (04 positions)</b></p> <p>Upto 31.03.2027, Fabrication of Engineered Reusable Adsorbents for Sr from Brine Sources <b>MMP035201W6 (01 Position)</b></p> <p>Upto 31.03.2027, Development of a two coat system with active corrosion protection and improved weathering stability as a replacement for the three coat system for C4 and C5 corrosivity categories <b>MMP035201W8 (01 Position)</b></p>	<p>(i) ₹.31,000/-pm + HRA to Scholars who are selected through (a) National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.</p> <p>(ii) ₹.25,000/-pm + HRA for others who do not fall under (i) above.</p>
	Project Associate – I (07 Positions)	<p>M.Sc in Chemistry</p> <p><b>Desirable:</b> Candidates having the following will be given preference:</p> <p>i) Basic skills in experimental electrochemistry (or)</p> <p>ii) Organic Chemistry background with experience in separation and purification of organic compounds (or)</p> <p>iii) Organic Chemistry experience (Synthesis, purification of organic compounds) (or)</p> <p>iv) Analytical Chemistry, Expected to handle Analytical Instruments</p>	35 Years	<p>Upto 03.03.2027, Designing concealed defects enriched metal dichalcogenide decorated porous carbon nanostructures as sustainable electrocatalysts for green hydrogen generation <b>GAP – 36/23 (01 Position)</b></p> <p>Upto 31.03.2026, Propylene Carbonate from Carbon dioxide <b>FTT030501 (01 Position)</b></p> <p>Upto 31.03.2027, Large Scale production of SiC suitable for hard armour panels through carbothermal and magnesiothermic reduction techniques <b>MMP035201W4 (02 Positions)</b></p> <p>Upto 31.03.2027, Process development for Extraction of MgCl<sub>2</sub> from sea water bitterns and convert it to Mg metal <b>MMP035201W5 (01 Position)</b></p> <p>Upto 31.03.2026, Development of light weight Mg based AP65 and AZ31 alloys for defence and strategic applications <b>FTT080503 (02 Positions)</b></p>	₹.25,000/-pm + HRA

Position Code	Name of the Position & No. of Position (s)	Essential Qualification & Experience	Upper Age limit	Project Tenure, Title & Number	Monthly Emoluments
P03	Project Associate – I (03 Positions)	<p>M.Sc in Chemistry/Physics</p> <p><b>Desirable:</b> Candidates having the following will be given preference:</p> <p>i) Working experience in electrochemistry and electrocatalytic water splitting (OR)</p> <p>ii) Working experience in electrochemistry and analytical chemistry (OR)</p> <p>iii) Research experience in material science/nanotechnology (OR)</p>	35 Years	<p>Upto 03.03.2027,</p> <p>Development of non-precious solid-state redox mediator and bifunctional electrocatalysts based membrane-free decoupled electrocatalyzer for green hydrogen production</p> <p><b>GAP – 32/23 (01 Position)</b></p>	<p>(i) ₹.31,000/-pm + HRA to Scholars who are selected through (a) National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.</p> <p>(ii) ₹.25,000/-pm + HRA for others who do not fall under (i) above.</p>
				<p>Upto 14.02.2027,</p> <p>Design of electrified liquid-liquid and liquid-organogel interfaces: An active catalytic environment for CO<sub>2</sub> reduction</p> <p><b>GAP – 30/23 (01 Position)</b></p>	
				<p>Upto 31.03.2027</p> <p>Thermo-regulative and fire-retardant fabrics for industrial and military applications</p> <p><b>MMP035201W2 (01 Position)</b></p>	
	Project Associate – I (03 Positions)	<p>M.Sc in Chemistry/Physics</p> <p><b>Desirable:</b> Working experience in Synthesis/Organic Chemistry/ Polymer Chemistry/ leather chemistry plus coatings</p>	35 Years	<p>Upto 31.03.2027</p> <p>Doped-silicon carbide coatings on complex shapes using pre-ceramic and their blends</p> <p><b>MMP035201W3</b></p>	₹.25,000/-pm + HRA
P03	Project Associate – I (01 Position)	<p>M.Sc in Chemistry/Physics/Material Science/Nanoscience</p> <p><b>Desirable:</b> Experience in Materials electrochemistry</p>	35 Years	<p>Upto 31.03.2026,</p> <p>Fabrication of Vertically aligned grapheme / PPy on carbon fibre /fabrics for flexible supercapacitors</p> <p><b>FBR080302W1</b></p>	₹.25,000/-pm + HRA

Position Code	Name of the Position & No. of Position (s)	Essential Qualification & Experience	Upper Age limit	Project Tenure, Title & Number	Monthly Emoluments
P03	Project Associate – I (01 Position)	B.Tech in Biotechnology/ Industrial Biotechnology or Equivalent <b>Desirable:</b> Handling of Bioactive Compounds	35 Years	Upto 31.03.2026 Electrochemical based Eco-friendly recovery of bioactive compounds and polymers from Seaweeds. <b>FTT020511</b>	(i) ₹.31,000/-pm + HRA to Scholars who are selected through (a) National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.  (ii) ₹.25,000/-pm + HRA for others who do not fall under (i) above.
P03	Project Associate – I (01 Position)	B.E/B.Tech in Mechanical Engineering / Metallurgical Engineering <b>Desirable:</b> Additive manufacturing / 3D metal printing		Upto 31.03.2026 Light weight automotive component from indigenously developed 6063 aluminium alloy powder by additive manufacturing <b>FTT080504</b>	
P04	Project Assistant (05 Positions)	Diploma in Mechanical Engineering <b>Desirable:</b> Candidates having the following will be given preference:  i) One year work experience (or ) ii) CNC/Wire EDM/3D printing	50 Years	Upto 31.03.2026 Light weight automotive component from indigenously developed 6063 aluminium alloy powder by additive manufacturing <b>FTT080504 (01 Position)</b>	₹.20,000/-pm + HRA
				Upto 31.03.2027 Process development for Extraction of MgCl <sub>2</sub> From sea water bitterns and convert it to Mg metal <b>MMP035201W5 (02 Positions)</b>	
				Upto 31.03.2026 Development of light weight Mg based AP65 and AZ31 alloys for defence and strategic applications <b>FTT080503 (02 Positions)</b>	
P04	Project Assistant (01 Position)	B.Sc in Microbiology <b>Desirable:</b> Phytochemistry	50 Years	Upto 31.03.2026 Electrochemical based Eco-friendly recovery of bioactive compounds and polymers from Seaweeds. <b>FTT020511</b>	

## **General Terms & Conditions:**

1. **Date & Time of Walk-in-interview:** Walk-in-Interview will be held at 9.30 a.m. from **07<sup>th</sup> - 08<sup>th</sup> of May, 2024** at **CSIR – CECRI, Karaikudi** as scheduled below. **No Candidate will be allowed to enter into the Venue after 09:30 a.m.**

<b>Date of Walk-in Interview</b>	<b>Position code</b>	<b>Name of the Position</b>	<b>Essential Qualification</b>	<b>No. of Positions</b>
07 MAY 2024	P03	Project Associate -I	M.Sc in Chemistry/Physics/Material Science/Nanoscience	20
08 MAY 2024	P01	Senior Project Associate	M.E/M.Tech in Metallurgical Engineering / Materials Engineering / Materials Science & Engineering / Laser Technology/ Laser Science & Applications/ Manufacturing Engineering / Thermal Engineering <b>with 2 years experience in Research and Development in industrial and academic institutions or science and Technology organisations and scientific activities and services.</b>	01
	P01	Senior Project Associate	Ph.D in Metallurgical and Materials Engineering	01
	P02	JRF (P)	B.Tech in Biotechnology / Biomedical Engineering with GATE/NET	01
	P03	Project Associate -I	B.Tech in Biotechnology/Industrial Biotechnology or equivalent	01
	P03	Project Associate -I	B.E/B.Tech in Mechanical Engineering / Metallurgical Engineering	01
	P04	Project Assistant	Diploma in Mechanical Engineering	05
	P04	Project Assistant	B.Sc in Microbiology	01

2. Application form is available in CECRI Website <https://www.cecri.res.in/Opportunities.aspx>. Eligible Candidates may appear for Walk-in-interview with all original and one set of Photocopies of certificates of educational qualification, age, caste (in case of SC/ST/OBC/EWS Candidates), experience (if any), one recent passport size photo and duly filled-in application.
3. Age relaxation will be given to SC/ST/OBC/PwD Candidates as per Government of India instructions.
4. If all things are equal, SC/ST/OBC/EWS Candidates may be given preference over General Candidates to ensure due representation.
5. **Final Semester/Year students who are awaiting results are not eligible to be considered.**
6. The date of determining the qualification and age limit **shall be on the date of interview.**
7. The Selection would be based upon the performance in the interview, the selection/screening committee will have discretion to shortlist the candidates for the interview based on the criteria deemed fit. 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, otherwise the application is liable to be rejected.
8. In case of Universities/Institutes awarding CGPA/SGPA/OGPA Grades etc., candidates are requested to convert the same into percentage based on the formula as per their University/Institute (copy of documented proof of the conversion factor may be attached).

9. Number of Positions required is indicative in nature; there may be an increase/decrease in the number based on requirement (s).

**10. If the number of candidates is more, the candidates will be short-listed for through a written test.**

11. Candidates selected will be provided either accommodation in the Institute Campus (if available) or shall be paid HRA (as applicable).

12. Tenure mentioned above in a case will be co-terminus with the project or till such time this requirement exists whichever is earlier.

13. The total period of the engagement of a Project Staff in different projects either in the same Lab/Instt. or different Lab/Instt. of CSIR taken together **shall not exceed 5 years in any case.**

14. The engagement of Project Personnel is purely on temporary basis, initially for a period of six months which may be extended or curtailed depending on the tenure of the Project/satisfactory performance or conduct of the appointee as the case may be and does not confer any right/claim implicit or explicit on any candidate for claiming extension or absorption in CSIR-CECRI.

15. If it is found at any stage of the process or thereafter that the candidate does not fulfill the eligibility criteria their candidature shall be cancelled without assigning any reason whatsoever.

16. Wearing facemask and carrying hand sanitizer is mandatory. No candidate will be allowed entry inside the venue without facemask and hand sanitizer.

17. The decision of the Director, CSIR-CECRI, Karaikudi will be final and binding on all candidates and on all matters relating to eligibility, acceptance or rejection of the applications, mode of selection, cancellation of the selection process either in part or full, etc. No correspondence/ Interim queries will be entertained in this regard. Filling up of the positions is solely at the discretion of the Director, CSIR-CECRI, Karaikudi based on suitability of candidates and no claim will arise for engagement, if some of these positions are not filled due to unsuitability/ insufficient number of candidates.

Any queries regarding Project Personnel engagement, Please contact office numbers – **04565 – 241219/218** during office hours (09:00 a.m to 05:30 p.m) or mails may be addressed to [recruit@cecri.res.in](mailto:recruit@cecri.res.in) No calls/mails will be entertained other than the above mentioned office telephone numbers/email id.

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Administrative Officer