



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 with 2 years experience in Research and Development in industrial and academic institutions or science and Technology organisations and scientific activities and services. Desirable: 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 MMP035201W7	Rs. 42,000/-pm + HRA
P01	Senior Project Associate (01 Position)	Ph.D in Metallurgical and Materials Engineering Desirable: 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 FTT080503	
P02	Junior Research Fellow (P) (01 Position)	B.Tech in Biotechnology / Biomedical Engineering with GATE/NET Desirable: Biomaterials, Bone tissue Engineering and Cell culture	35 Years	Upto 31.03.2027, Selective laser melted low modulus β Titanium alloy(Ti-Nb) bone implant with surface biofunctionalisation DST-SERB-CRG	₹.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>Desirable: 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 FTT060502 (04 positions)</p> <p>Upto 31.03.2027, Fabrication of Engineered Reusable Adsorbents for Sr from Brine Sources MMP035201W6 (01 Position)</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 MMP035201W8 (01 Position)</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>Desirable: 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 GAP – 36/23 (01 Position)</p> <p>Upto 31.03.2026, Propylene Carbonate from Carbon dioxide FTT030501 (01 Position)</p> <p>Upto 31.03.2027, Large Scale production of SiC suitable for hard armour panels through carbothermal and magnesiothermic reduction techniques MMP035201W4 (02 Positions)</p> <p>Upto 31.03.2027, Process development for Extraction of MgCl₂ from sea water bitterns and convert it to Mg metal MMP035201W5 (01 Position)</p> <p>Upto 31.03.2026, Development of light weight Mg based AP65 and AZ31 alloys for defence and strategic applications FTT080503 (02 Positions)</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>Desirable: 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>GAP – 32/23 (01 Position)</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 CO₂ reduction</p> <p>GAP – 30/23 (01 Position)</p>	
				<p>Upto 31.03.2027</p> <p>Thermo-regulative and fire-retardant fabrics for industrial and military applications</p> <p>MMP035201W2 (01 Position)</p>	
	Project Associate – I (03 Positions)	<p>M.Sc in Chemistry/Physics</p> <p>Desirable: 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>MMP035201W3</p>	₹.25,000/-pm + HRA
P03	Project Associate – I (01 Position)	<p>M.Sc in Chemistry/Physics/Material Science/Nanoscience</p> <p>Desirable: 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>FBR080302W1</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 Desirable: Handling of Bioactive Compounds	35 Years	Upto 31.03.2026 Electrochemical based Eco-friendly recovery of bioactive compounds and polymers from Seaweeds. FTT020511	(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 Desirable: Additive manufacturing / 3D metal printing		Upto 31.03.2026 Light weight automotive component from indigenously developed 6063 aluminium alloy powder by additive manufacturing FTT080504	
P04	Project Assistant (05 Positions)	Diploma in Mechanical Engineering Desirable: 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 FTT080504 (01 Position)	₹.20,000/-pm + HRA
				Upto 31.03.2027 Process development for Extraction of MgCl ₂ From sea water biterms and convert it to Mg metal MMP035201W5 (02 Positions)	
				Upto 31.03.2026 Development of light weight Mg based AP65 and AZ31 alloys for defence and strategic applications FTT080503 (02 Positions)	
P04	Project Assistant (01 Position)	B.Sc in Microbiology Desirable: Phytochemistry	50 Years	Upto 31.03.2026 Electrochemical based Eco-friendly recovery of bioactive compounds and polymers from Seaweeds. FTT020511	