



सीएसआईआर-प्रगत पदार्थ तथा प्रक्रम अनुसंधान संस्थान
CSIR-ADVANCED MATERIALS AND PROCESSES RESEARCH INSTITUTE
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)
(Council of Scientific and Industrial Research)
होशंगाबाद रोड, हबीबगंज नाका के पास, भोपाल-462026 (म.प्र.)
Hoshangabad Road, Habibganj Naka, Bhopal-462026 (M.P.)



ADVERTISEMENT NO. PROJ-3/2024

Engagement of Project Staff

Last date to submit application through online : 05.06.2024

Applications are invited from the eligible Indian Nationals for temporary position on contractual basis as indicated hereunder. Candidates who fulfill the criteria should apply online at www.ampri.res.in. For any technical problem while submitting the online application, may contact recruit-ampri@ampri.res.in

<u>Project No. & Title</u>		
“Technology for manufacturing medium density hybrid composite particle/fiber boards and high-performance water-resistant composite wood for interior and exterior architectural wall cladding and furniture applications”.		
1.	Name of Post	Project Assistant
	Total No. of positions	01 No.
	Duration of the Project	Initially one year
	Essential Qualification	B.Sc. from a recognized university or equivalent.
	Desirable/Experience	Development of composite materials using compression moulding machine and testing composites & documentation.
	Upper Age limit (years)	50 Yrs.
	Monthly Emoluments	Rs. 20,000/- + HRA
2.	Name of Post	Project Assistant
	Total No. of positions	01 No.
	Duration of the Project	Initially one year
	Essential Qualification	Three years' Diploma in Civil/Multimedia engineering from a recognized university or equivalent.
	Desirable/Experience	Characterization of fiber-reinforced polymeric composite and operation of mixing machine and hydrolic press and data documentation.
	Upper Age limit (years)	50 Yrs.
	Monthly Emoluments	Rs. 20,000/- + HRA
3.	Name of Post	Project Associate-II
	Total No. of positions	01 No.
	Duration of the Project	Initially one year

	Essential Qualification	M.Sc. in Microbiology from a recognized university or equivalent with Two years' experience in Research and Development in Industrial and Academic Institutions
	Desirable/Experience	Experience in testing fungus, termite, and biodegradability testing and weathering testing of composite materials and development of biodegradable composites.
	Upper Age limit (years)	35 Yrs
	Monthly Emoluments	<p>i) Rs.35,000/- + 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) Rs.28,000/- +HRA for others who do not fall under (i) above.</p>
4.	Name of Post	Project Associate-II
	Total No. of positions	01 No.
	Duration of the Project	Initially one year
	Essential Qualification	B.E./B.Tech in Electronics & Communication Engineering from a recognized university or equivalent with Two years' experience in Research and Development in Industrial and Academic Institutions
	Desirable/Experience	Experience in operating and testing Electrical and thermal properties, and mechanical properties of fiber-reinforced polymer composites. Operation of hydraulic press and making fiber-reinforced polymer composites.
	Upper Age limit (years)	35 Yrs.
	Monthly Emoluments	<p>i) Rs.35,000/- + 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) Rs.28,000/- +HRA for others who do not fall under (i) above.</p>
5.	Name of Post	Project Associate-II
	Total No. of positions	01 No.
	Duration of the Project	Initially one year
	Essential Qualification	B.E./B.Tech in Civil Engineering/Rubber & Plastic Technology from a recognized university or equivalent with Two years' experience in Research and Development in Industrial and Academic Institutions

Desirable/Experience	Experience in extrusion, injection moulding machine using polymeric materials and operation and maintenance of injection moulding machine.
Upper Age limit (years)	35 Yrs
Monthly Emoluments	i) Rs.35,000/- + 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) Rs.28,000/- +HRA for others who do not fall under (i) above.

6.	Name of Post	Senior Project Associate
	Total No. of positions	01 No.
	Duration of the Project	Initially one year
	Essential Qualification	B.E./B.Tech in Electronics & Communication Engineering from a recognized university or equivalent with Four years' experience in Research and Development in Industrial and Academic Institutions.
	Desirable/Experience	Experience in Agro waste and inorganic industrial waste processing and mixing for making fiber-reinforced polymeric composites (FRPC) Operating & handling injection moulding, compression moulding, hydraulic press, mixing machine, testing FRPC physical, mechanical & thermal properties and operation of UTM & impact testing machine.
	Upper Age limit (years)	40 Yrs
	Monthly Emoluments	Rs.42,000/- + HRA

<u>Project No. & Title</u>		
FTT080502 - "Extraction of valuable metals and development of advanced polymeric composites from inorganic jarosite waste".		
7.	Name of Post	Senior Project Associate
	Total No. of positions	01 No.
	Duration of the Project	Initially one year
	Essential Qualification	BE/B.Tech in Materials Science/ Nanotechnology/ Civil/ Metallurgy/ Mechanical from a recognized university or equivalent with Four Years' experience in Research and Development in Industrial and Academic Institutions. OR Ph.D. in Engineering Sciences/Physics/Chemistry
	Desirable	Experience in materials science, inorganic waste to wealth, metal extraction, polymer composites.
	Upper Age limit (years)	40 Yrs
	Monthly Emoluments	Rs.42,000/- + HRA

8.	Name of Post	Project Associate-II
	Total No. of positions	01 No.
	Duration of the Project	Initially one year
	Essential Qualification	M.Sc. in Physics/Chemistry or BE/B.Tech in Materials Science/Nanotechnology/Civil/Metallurgy/Mechanical from a recognized university or equivalent with Two years' experience in Research and Development in Industrial and Academic Institutions.
	Desirable	Experience in materials synthesis and characterization, polymer composite, metal extraction.
	Upper Age limit (years)	35 Yrs.
	Monthly Emoluments	i) Rs.35,000/- + 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) Rs.28,000/- +HRA for others who do not fall under (i) above.

<u>Project No. & Title</u>		
FTT080501 - "Design and development of aluminium composite based support components for high-end equipment using additive manufacturing".		
9.	Name of Post	Senior Project Associate
	Total No. of positions	01 No.
	Duration of the Project	Initially one year
	Essential Qualification	M.Sc. in Physics OR BE/B. Tech in Mechanical/ Metallurgical and Materials Science Engineering from a recognized university or equivalent with Four Years' Experience in research and development in industrial and academic institutions. OR M.Tech in Mechanical /Metallurgical and Materials Science Engineering /Nanotechnology; from a recognized university or equivalent with Two Year Experience in Research and development in industrial and academic institutions.
	Desirable/Experience	Knowledge of software used to design 3D models, such as Solid Works or Auto CAD. Knowledge and working experience on 3D designing, metal matrix composites, Additive Manufacturing, materials characterization etc.
	Upper Age limit (years)	40 Yrs.
	Monthly Emoluments	Rs.42,000/- + HRA

10.	Name of Post	Project Associate-I
	Total No. of positions	01 No.
	Duration of the Project	Initially one year
	Essential Qualification	M.Sc. Physics or BE/M.Tech Mechanical/ Metallurgy/ Materials Science Engineering from a recognized university or equivalent.
	Desirable/Experience	Knowledge of software used to design 3D models, such as Solid Works or Auto CAD. Knowledge and working experience on 3D designing, reverse engineering, computer programming like R, Python, etc.
	Upper Age limit (years)	35 Yrs.
	Monthly Emoluments	i) Rs.31,000/- + 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) Rs.25,000/- +HRA for others who do not fall under (i) above.
11.	Name of Post	Project Assistant
	Total No. of positions	01 No.
	Duration of the Project	Initially one year
	Essential Qualification	B.Sc. Science/BCA/ 3Year Diploma in Mechanical / Metallurgical / Glass and Ceramic / Electronic Instrumentation & Control Engineering etc. from a recognized university or equivalent .
	Desirable/Experience	Knowledge and working experience in Manufacturing/ Production Engineering/ R&D Laboratory etc.
	Upper Age limit (years)	50 Yrs.
	Monthly Emoluments	Rs.20,000/- + HRA

<u>Project No. & Title</u>		
FTT060501 - “Low and Medium Temperature Organic Phase Change Materials for Thermal Comfort in Buildings ”.		
12.	Name of Post	Project Associate-I
	Total No. of positions	01 No.
	Duration of the Project	Initially one year
	Essential Qualification	B.E./B.Tech. (Mechanical/Civil Engg.) from a recognized university or equivalent
	Job description	To carry out daily project activities and experiments.
	Upper Age limit (years)	35 Yrs.
	Monthly Emoluments	i) Rs.31,000/- + 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) Rs.25,000/- +HRA for others who do not fall under (i) above
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<u>Project No. & Title</u>		
GAP-138 - “Development of Bio-inspired Super hydrophobic Antimicrobial Nano coatings on the Urinary Catheters to Impede Microbial Biofilm Formation and Catheter-Associate Urinary Tract Infection”.		
13.	Name of Post	Project Associate-I
	Total No. of positions	01 No.
	Duration of the Project	Initially one year
	Essential Qualification	M.Sc. in Chemistry/Material Science/Nanoscience and Nanotechnology/Biotechnology or B. Tech in Biotechnology from a recognized university or equivalent.
	Desirable	Candidate should have experience on nanocoating or antimicrobial coatings research Good communication skill, skilled in research paper and patent writing, few research papers in high quality journals to demonstrate his/her skill towards high-end R&D, experience to work in team.
	Upper Age limit (years)	35 Yrs.
	Monthly Emoluments	i) Rs.31,000/- + 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) Rs.25,000/- +HRA for others who do not fall under (i) above

<u>Project No. & Title</u>		
GAP-140 - “Development of 2D MXene-based Materials for Efficient Reversible Hydrogen Storage at Ambient Conditions”.		
14.	Name of Post	DST-Junior Research Fellow
	Total No. of positions	01 No.
	Duration of the Project	Initially one year
	Essential Qualification	M.Sc. in Physics/Chemistry/Materials Science/Nano Science and Nanotechnology from a recognized university or equivalent with CSIR-UGC NET including lectureship and GATE.
	Desirable	Experience in Industrial and Academic Institutions/Science and Technology Organizations on 2D Materials, composites and their characterizations.
	Upper Age limit (years)	28 Yrs.
	Monthly Emoluments	Rs.37,000/- + HRA

<u>Project No. & Title</u>	
NCP040301 - “Maximum Utilization of Red Mud (up to 90 wt%) to Develop Red-Mud Composites at Very Low Temperature for High-Performance Radiation Shielding Systems for Civil Structures”.	
15.	Name of Post
	Project Associate-I
	Total No. of positions
	01 No.
	Duration of the Project
	Initially one year
	Essential Qualification
	M.Sc. in Physics/Material Science/Nanoscience from a recognized university or equivalent.
	Desirable
	Experience in material research.
	Upper Age limit (years)
	35 Yrs.
	Monthly Emoluments
	i) Rs.31,000/- + 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) Rs.25,000/- +HRA for others who do not fall under (i) above.

INSTRUCTIONS

1. The applicant must be a Citizen of India.
2. Only those candidates who have already acquired the essential qualification & their results have been declared are eligible to apply. Result awaited /Final semester appeared or appearing /Ph. D submitted etc are not eligible to apply for any post. Experience, if required, for any post should be only post –qualification experience.
3. The services of above Project Staff will be co-terminus with the duration of the Sponsored/Consultancy Project. There would be no automatic shifting of Project Staff from one project to another. On completion of the tenure in one project, in case, one wants to apply for engagement in another project, he/she will have to go through the normal selection process. Engagement under the new project would be made only after submission of ‘No Demand Certificate’ and ‘No Dues Certificate’ in the previous project and submission of resignation from the previous project. The maximum duration, for which Project staff could be engaged in different projects taken together, will be 5 years. The performance of the Project Staff would be reviewed periodically so that any one not found up to the mark, could be replaced. As such, the offer of appointment will be given for short duration i.e. Six month/one year, which may be extended further based on the recommendations of the Review Committee.
4. Leave: Project Staff will be entitled for paid leaves as per rules.
5. Reservation: All other things being equal SC/ST/OBC candidates may be given preference over general candidates so as to ensure their representation.
6. TA/DA: Project Staff will be entitled for TA/DA while on official tour.

7. Medical Facilities: Project Staff will be provided medical facility as per Central Govt. medical norms. This will be limited to the Project Staff only and not for his/her family members/dependents.
8. Accommodation: Wherever applicable institute will provide accommodation to Project staff, if possible. If accommodation is not possible then they will be paid wherever applicable HRA as per rule. / Whenever possible accommodation will be provided to Project Staff. If accommodation is not possible then they will be paid HRA as per the Govt. of India norms as adopted by CSIR.
9. Registration for Ph.D: The facility for Ph.D. registration shall be allowed to those Project Staff who have worked for a minimum period of two years and have at least cleared CSIR-UGC Lectureship (NET) or GATE examination or published 02 papers in international peer reviewed journals.
10. There would be no component of increment etc. for Project Staff and the consolidated remuneration to be paid to Project Staff may be called "Stipend".
11. Candidate should possess the required educational qualification as on date of interview.
12. Mode of Selection: In case large number of candidates turn up, the candidates will be shortlisted for interview by a duly constituted Screening Committee. Only the short-listed candidates will be interviewed by Selection Committee. The Select panel so prepared will be utilized for engagement as Project Staff as and when requirement arise.
13. Relaxation in age in respect of candidate belonging to SC/ST/PH/OBC will be applicable as per GOI instructions. Relaxation in age limit for SC/ST/PH/OBC and women shall be 05 years.
14. In case the final certificate reflect CGPA, GPA etc in that case the candidates should convert the same into equivalent percentage as per the approved formula of the university, in the application form and a copy of such conversion formula must be attached alongwith the application.
15. CSIR-AMPRI reserves the right to cancel or withdraw the offer of engagement in case of any discrepancy found , in the candidature of any empanelled candidate at any stage .
16. Other terms and conditions will be governed as per guideline issued by the funding agency /CSIR Hqrs. for the engagement of above project staff as amended time to time.
17. CANVASSING IN ANY FORM AND/OR BRINGING ANY INFLUENCE POLITICAL OR OTHERWISE WILL BE TREATED AS A DISQUALIFICATION FOR THE POST.
18. Interested candidates fulfilling the above qualifications must apply through online portal available on AMPRI website. The Shortlisted candidates will be informed through email/Institute website along with date and time of Interview. Candidates are requested to frequently visit institute website. www.ampri.res.in .
19. The Selected Candidates are expected to join immediately upon selection and bring with them all ORIGINAL TESTIMONIALS including mark sheets and certificates and Character & Attestation form and also a passport size photographs at the time of joining failing which their engagement can be withdrawn.

Candidates may apply from **16.05.2024 to 05.06.2024** through online portal. The Last date of application is **05.06.2024**. Application received after last date will not be entertained.

Note: 1. Candidate should go through the advertisement carefully to check their suitability in the area.

2. In case a candidate fails to produce any of the above mentioned documents/testimonials in original at the time of registration, he/she shall not be allowed to register for the further process.

3. The posts advertised are provisional and subject to ascertaining the availability of funds under the respective projects before the declaration of results and issue of engagement letter.

Disclaimer – Candidates who are applying please ensure that you fulfill the essential qualifications. If you apply without fulfilling the essential qualifications then it will be considered that you are giving wrong/misleading information. The ONUS OF THIS ACTION WILL BE ON THE CANDIDATE and not on the Scientists, HR Division or the Institute. In case you are found not to fulfill the essential criteria or that you have provided misleading information, then your candidature for the post may be rejected at any stage of selection or after selection.

There would be no automatic shifting of project staff from one project to another. On completion of the tenure in one project, if one wants to apply for engagement in another project, he/she will have to go through the process of selection by submitting a fresh application under the new project. Appointment under the new project would be made only after submission of 'No Dues Certificated' in the previous project and submission of resignation from the previous project.

Note: The shortlisted candidates have to keep ready with them a valid photo ID card, an updated signed C.V. (clearly mentioning Date of Birth, Highest Qualification with percentage, Correspondence address and email ID), Dissertation (if any), Ph.D. thesis (if any) and original certificates/s elf attested photocopies for verification. No TA will be paid to the candidates for appearing in the interview.

Controller of Administration