

**CSIR – INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY**  
[Council of Scientific & Industrial Research]  
Hyderabad – 500 007

**NOTIFICATION NO. 03/2020 FOR ONLINE INTERVIEW**

CSIR – IICT is conducting Online Interview for the following positions under various sponsored projects purely on a temporary basis.

Sl. No	Postcode	Name of the post & No. of Position(s)	Essential Qualifications	Desirable	Title of the Project	Stipend (in ₹.)
<b>CHEMICAL &amp; PHYSICAL SCIENCES (CPS)</b>						
1.	CPS-01	Project Associate – II	02 MSc in Organic Chemistry with 2 years research experience in synthetic organic chemistry	---	Stimulus driven molecular motors for asymmetric synthesis (SDMMAS)	35000+HRA*
2.	CPS-02	Project Associate – II	02 MSc in Organic Chemistry with 2 years research experience in synthetic organic chemistry	---	Stereoselective synthesis of all carbon stereocenters bearing C-CF <sub>3</sub> bond via CF <sub>3</sub> -Pd- $\pi$ benzyl intermediate under transition metal	35000+HRA*
3.	CPS-03	Project Associate – I	01 MSc in Organic Chemistry	Proven research experience in the relevant field	Synthesis, self-assembly and applications of Rylene dyes	31000+HRA*
4.	CPS-04	Project Associate – I	01 MSc in Organic Chemistry	Preferably one year research experience in the relevant area	Substituted $\pi$ -Allyl and Allene Nucleophiles: Total synthesis driven preparation of highly substituted Dihydro- and Tetrahydropyran rings	31000+HRA*
5.	CPS-05	Project Associate – I	01 MSc in Physics / Materials Science / Materials Chemistry	Proven research experience in the field of magnetic materials	Development of new generation ferrite based rare earth-free permanent magnets	31000+HRA*
6.	CPS-06	Project Associate – I	01 MSc in Inorganic Chemistry/ Materials Chemistry	One/Two years experience in lab practices in the relevant area	Polymer electrolyte integrated All-Solid Li-ion rechargeable batteries: Demonstrating operational feasibility	31000+HRA*
7.	CPS-07	Project Associate – I	01 MSc in Inorganic Chemistry/ Materials Chemistry	Experience in polymers and coatings	To develop a hybrid coating on steel strip for ready to paint	25000/- [consolidated]
<b>BIOLOGY, BIOCHEMICAL &amp; BIOTECHNOLOGY (BBB)</b>						
1.	BBB-01	Senior Project Associate	01 Ph.D in Biotechnology	Experience in advanced microbial technique	Biotechnological process for the simultaneous removal of ammoniacal nitrogen and COD from industrial waste water	47000+HRA
2.	BBB-02	Project Associate – II	01 MSc in Chemistry/ Microbiology/ Biotechnology/ Environmental	---	Innovative algae platform for industrial waste water volarization	35000+HRA*

				Science/ Molecular Microbiology with 2 years research experience in Microalgae cultivation, waste water treatment and biomass valorization			
3.	BBB-03	Project Associate – II	01	MSc in Bioinformatics with two years experience in database development, drug design, chemoinformatics	---	A knowledge based approach to drug repurposing for socially important and rare diseases	35000+HRA*
4.	BBB-04	Project Associate – I	02	MSc in Chemistry/ Biotechnology / Environmental Science	Research experience in Biomass pre-treatment/ Bio-based materials/ Wastewater treatment	Agri-waste biorefinery for microcrystalline cellulose reducing sugars and lignin recovery	31000/- (consolidated)
5.	BBB-05	Project Associate – I	02	MSc in Microbiology/ Biotechnology/ Molecular Microbiology	Research experience in Microbiological techniques / wastewater treatment	Testing for COVID-19 in waste water as a community surveillance measure	31000+HRA*
6.	BBB-06	Project Assistant	01	BSc in Microbiology	Experience in laboratory handling and preparation of Chemical & biochemical data bases.	National Mol Bank (MNB)	15000/- [consolidated]
<b>CHEMICAL ENGINEERING</b>							
1.	CE-01	Project Associate – II	01	M.Tech in Chemical Engineering	Experience in Flow processes	Intensified continuous crystallizer for APIs: Design and Development	35000/- [consolidated]
2.	CE-02	Project Associate – I	01	B.Tech Chemical Engineering	3 years of experience in waste analysis and waste water treatment	Development of remunerative organic waste management systems for colder regions of India with the intervention of psychrophilic aerobic and anaerobic microbial consortia	31000+HRA*
3.	CE-03	Project Associate – I	01	B.Tech in Environmental Engg	M.Tech in the same area is preferable. Experience in waste and waste water treatment is preferable	Biotechnological process for the simultaneous removal of ammoniacal nitrogen and COD from industrial waste water	31000+HRA*
4.	CE-04	Project Associate – I	02	B.Tech in Chem Engg / Biotechnology	1-2 years experience in relevant area with proven publication records	Development of low cost indigenous hemodialysis machine for treatment of renal failure	31000+HRA
5.	CE-05	Project Associate – I	02	B.Tech/ M.E./ MSc in Chemical Engg/ Polymer Engg./ Plastic Engg. / Environmental Engg. / Biotechnology	M.Tech in the same area is preferable. 1/2 years experience in biomass processing or polymer synthesis and processing	Process Engg. for green polymer nanocomposite from agricultural residue for food packing application	31000+HRA*
6.	CE-06	Project Associate – I	01	B.Tech in Chemical/ Biochemical/ Environmental Engineering/ Biotechnology or	Experience in wastewater treatment, advance oxidation processes with proven publication	Cavitation based advanced oxidation process for effective degradation of emerging organic micro-pollutants in water	31000+HRA*

				MSc in Environmental Science / Biotechnology	records.		
7.	CE-07	Project Associate – I	01	M.Sc in Chemical Sciences/ B.Tech in Chem Engg.	Preferable M.Tech in the same area. Knowledge in quantum chemistry, python C Programming language	A knowledge based approach to drug repurposing for socially important and rare diseases	25000/- [consolidated]
8.	CE-08	Project Assistant	02	Any BSc/Diploma in Engineering	Computer Proficiency	CSIR-Integrated Skill Initiatives	15000/- [consolidated]

\* Fellowship amount is applicable for NET/GATE/GPAT or other national eligible tests as per new CSIR guidelines. If suitable students are not found, the fellowship amount will be 25,000/- or 28,000/- against 31,000/- and 35,000/- respectively with HRA.

Note 1: Before issue of the present OM dated 10.07.2020 by DST / CSIR, the nomenclatures for the positions of Project Associate – I and II are Project Assistant level II and III and also Project JRF and SRF and for the position of Senior Project Associate it was Project RA. In view of this, Scientists while submitting their project proposals have asked for sanction of these positions and they were sanctioned also. But, in the changed circumstances those old nomenclatures cannot be advertised as the new OM supersedes all other earlier OM's and hence these new nomenclatures.

Position	Age
Project Assistant	50
Project Associate – I	35
Project Associate – II	35
Senior Project Associate	40

Note 2: The above age limits are relaxable for candidates of statutory groups (SC/ST/OBC/PWD) as per Govt. of India/ CSIR instructions on the subject.

After receipt of applications screening will be done and the eligible candidates will be shortlisted and they will be informed the date of interview to their respective mail address to attend online interview for selection. The engagement will be initially for a period of six months, which may be extended or curtailed depending on the duration of the tenure of the sponsored project / satisfactory performance or conduct of the fellow, as the case may be. The engagement will be purely on temporary basis for the sponsored projects and does not entitle him / her for the CSIR / IICT permanent position.

Sd/-  
G. Venkateswarlu  
Section Officer [General]