**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.

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| **Sl.**  **No** | **Postcode** | **Name of the post &**  **No. of Position(s)** | | **Essential**  **Qualifications** | **Desirable** | **Title of the Project** | **Stipend**  **(in ₹.)** | |
| **CHEMICAL & PHYSICAL SCIENCES (CPS)** | | | | | | | | |
|  | 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\* |
|  | CPS-02 | Project Associate – II | 02 | MSc in Organic Chemistry with 2 years research experience in synthetic organic chemistry | --- | Steroselective synthesis of all carbon stereocenters bearing C-CF3 bond via CF3-Pd-π benzyl intermediate under transition metal | | 35000+HRA\* |
|  | 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\* |
|  | CPS-04 | Project Associate – I | 01 | MSc in Organic Chemistry | Preferably one year research experience in the relevant area | Substituted π-Allyl and Allene Nucleophiles: Total synthesis driven preparation of highly substituted Dihydro-and Tetrahydropyran rings | | 31000+HRA\* |
|  | 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\* |
|  | 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\* |
|  | 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] |
| **BIOLOGY, BIOCHEMICAL & BIOTECHNOLOGY (BBB)** | | | | | | | | |
|  | 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 |
|  | BBB-02 | Project Associate – II | 01 | MSc in Chemistry/ Microbiology/ Biotechnology/ Environmental Science/ Molecular Microbiology with 2 years research experience in Microalgae cultivation, waste water treatment and biomass valorization | --- | Innovative algae platform for industrial waste water volarization | | 35000+ HRA\* |
|  | 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\* |
|  | 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) |
|  | 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\* |
|  | 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] |
| **CHEMICAL ENGINEERING** | | | | | | | | |
|  | 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] |
|  | 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\* |
|  | 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\* |
|  | 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\* |
|  | CE-05 | Project Associate – I | 02 | B.Tech/ M.E./ MSc in Chemical Engg/ Polymer Engg./ Plastic Engg. / Enviornmental 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\* |
|  | CE-06 | Project Associate – I | 01 | B.Tech in Chemical/ Biochemical/ Environmental Engineering/ Biotechnology or MSc in Environmental Science / Biotechnology | Experience in wastewater treatment, advance oxidation processes with proven publication records. | Cavitation based advanced oxidation process for effective degradation of emerging organic micro-pollutants in water | | 31000+HRA\* |
|  | 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] |
|  | 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 OMs and hence these new nomenclatures.

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

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| 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.

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| Sd/-  G. Venkateswarlu  Section Officer [General] |