

 <p><b>CSIR-IMTECH</b></p>	<p align="center"><b>CSIR-INSTITUTE OF MICROBIAL TECHNOLOGY</b> SECTOR 39-A, CHANDIGARH – 160036 (India) Website: <a href="http://www.imtech.res.in">www.imtech.res.in</a></p> <p align="center"><b>Advertisement No. 01/2019</b> <b>Submission of ONLINE application will commence on <u>04/03/2019</u></b> <b>Last date of receipt of online applications: <u>08/04/2019 (1700 hours)</u></b></p>
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### A Unique opportunity for Research Careers in Science & Technology in CSIR- IMTECH

The Council of Scientific and Industrial Research (CSIR) is an Autonomous Organization under the Ministry of Science & Technology, Government of India. CSIR covers the entire spectrum of Scientific and Industrial Research of National and International importance. CSIR is one of the world's largest publicly funded industrial R&D organizations with about 4600 active scientists.

The CSIR-Institute of Microbial Technology (IMTECH) is a constituent R&D establishment of the Council of Scientific and Industrial Research (CSIR) devoted to research in the frontline areas of Biology and Biotechnology of Microorganism with the state of art facility. CSIR-IMTECH is its youngest institute with state-of-the art research facilities in microbial biology and biotechnology. CSIR-IMTECH thrives on multidisciplinary research with core strengths in the areas of Biochemical Engineering, Protein Sciences, Bioinformatics and Infection & Immunity research. CSIR-IMTECH has track record of discovering novel bio-therapeutics. The institute is also having a world class Microbial Type Culture Centre and Gene Bank (MTCC) – an International Depository Authority (IDA). The Institute provides a truly world class R&D ambience in an area of over 10,000 sq.ft with a dedicated team of more than 50 highly motivated scientists with a majority of them having several years of training in world renowned laboratories. The scientific staff is supported with more than 270 well trained Technical staff and Research Scholars.

Applications for various **Scientific positions** are invited from enthusiastic, young Indian researchers having excellent academic record and proven scientific achievements along with requisite experience and a high degree of motivation and desire to take up research as a career in the institute. CSIR-IMTECH is looking for bright and talented persons for filling up the following positions for ongoing as well as future activities of the Institute:-

Post Code/ Nos. of Positions (Categories: UR/SC/ST/OBC /PH	Pay Matrix	Designation & Pay Level/ Age limit not exceeding	Essential Educational qualification & Experience	Desirable Experience	Job Specification/Key responsibilities
<b>POST CODE: 01 (Bioinformatics)</b>  <b>01 –(UR)</b>	Rs. 123100- 215900	Principal Scientist Pay Level 13  Age limit: 45 years	PhD in Bioinformatics / Computational Biology with 3 years OR M.Tech in Bioinformatics/ Computer Sciences with 5 years of relevant research experience.	Research experience of ≥ 6 years post PhD or ≥ 8 years post M.Tech in Predictive modeling / Bioinformatics / Computational biology / big data or data management analysis AND Programming skills for clinical data analysis using R/ Python/C/C++ /artificial intelligence techniques/ database/ web technologies.	The selected candidate will join a team of scientists and is expected to work in the area of bioinformatics.
<b>POST CODE: 02 (Biotherapeutics)</b>  <b>01 –(UR)</b>	Rs.123100- 215900	Principal Scientist Pay Level 13  Age limit: 45 years	PhD in Biochemistry/ Biophysics/Microbiology/ Biotechnology/ Life Sciences/ Biological Sciences/ Science with 3 years of relevant research experience.	Post Doctoral / Industrial research experience of ≥ 6 years in production of human monoclonal antibodies in mammalian system/ antibody engineering/ protein based therapeutics.	The candidate is expected to conduct research in an area of biologics and bio- pharmaceuticals.
<b>POST CODE: 03 (System Biology)</b>  <b>01 –(UR)</b>	Rs.78800- 209200	Senior Scientist Pay Level 12  Age limit: 37 years	PhD in Biochemistry/ Biophysics/Microbiology/ Biotechnology/Life Sciences/ Biological Sciences/ Science with 2 years of relevant research experience.	Post Doctoral research experience of ≥ 4 years employing experimental as well as theoretical techniques either in sequencing and analyzing genomes of microbial species related to gene expression  OR  studying signaling pathways and metabolism in microbes.	The candidate is expected to conduct research in an area of system biology.

<b>POST CODE: 04 (MTCC)</b>  <b>01-(ST)</b>	Rs.67700-208700	Scientist Pay Level-11  Age Limit: 32 Years	PhD (awarded/thesis submitted) in Biological Sciences/ Medical Microbiology /Microbiology /Biotechnology	Research experience of $\geq 2$ years post PhD in fungal taxonomy using classical/modern techniques. OR $\geq 2$ years post PhD research experience in isolation, culturing and characterization of different fungi and their long term preservation methods.	The incumbent will join a team of scientists in MTCC in providing high quality services to the scientific community in the areas of characterization, preservation and supply fungal cultures. In addition, the selected candidate has to pursue top quality research in the mentioned areas.
<b>POST CODE: 05 (Biochemical Engg and Process Development)</b>  <b>01 –(UR)</b>	Rs.67700-208700	Scientist Pay Level-11  Age Limit: 32 Years	PhD (awarded/thesis submitted) in Biochemical Engineering/ Bioprocess Technology/Chemical Engineering/ Pharmaceutical Technology  OR M.Tech in Biochemical Engineering/ Bioprocess Technology/ Chemical Engineering/ Pharmaceutical Technology/ Biotechnology	$\geq 2$ years postdoctoral research experience or research experience in industry in the area of Fermentation Technology related to synthesis of human proteins/antibodies using mammalian cell culture  OR Post M.Tech experience of $\geq 4$ years in industry in the area of Fermentation Technology related to synthesis of human proteins/ antibodies using mammalian cell culture.	The candidate is expected to conduct research in an area of fermentation technology and biochemical process engineering related to mammalian cell-lines and protein production.
<b>POST CODE: 06 (Immunology)</b>  <b>01 –(OBC)</b>	Rs.78800-209200	Senior Scientist Pay Level 12  Age limit: 37 years	PhD in Biochemistry/ Microbiology/ Biotechnology/Life Sciences/ Biological Sciences/ Science with 2 years of relevant research experience.	Post Doctoral research experience of $\geq 4$ years in the areas of immunology such as innate immunity/ T or B cell development/ infectious diseases/ vaccines/ immune based therapeutics.	The candidate is expected to conduct research in an area of immunology in relation to infectious diseases.
<b>POST CODE : 07 (Bioinformatics)</b>  <b>01 –(SC)</b>	Rs.67700-208700	Scientist Pay Level 11  Age limit: 32 years	PhD (awarded/thesis submitted) in Bioinformatics /Computational Biology  OR M.Tech in Bioinformatics/ Computer Sciences	Research experience of $\geq 2$ years post PhD or $\geq 4$ years post M.Tech in Predictive modeling or Bioinformatics or Computational biology or big data or data management analysis  AND Programming skills for clinical data analysis using R/ Python/C/C++ /artificial intelligence techniques/ database/ web technologies.	The selected candidate will join a team of scientists and is expected to work in the area of bioinformatics.

<b>POST CODE: 08</b> <b>(Mass Spectrometry)</b>  <b>01 –(SC)</b>	Rs. 67700-208700	Scientist Pay Level 11  Age limit: 32 years	PhD (awarded/thesis submitted) in Chemistry/ Biochemistry /Pharmaceutical Chemistry/ Biophysics/ Biological Sciences	Post-doctoral / Industrial research experience of $\geq$ 2 years in protein mass spectrometry AND Quantitative proteomics (TMT, SILAC, label free) / PRM analysis / Protein-Protein-Interaction along with post-translational modification analysis / QTOF based platforms / LC-MS-MS and high throughput screening methods / GC-MS/ High throughput affinity MS platforms for identification of bound ligands	The selected candidate is expected to design, develop, execute and implement Mass Spectrometry studies to support ongoing research area of drug discovery, metabolomic and lipidomic profiling of submitted samples.
<b>POST CODE : 09</b> <b>(Genomics)</b>  <b>01 –(UR)</b>	Rs.67700-208700	Scientist Pay Level 11  Age limit: 32 years	PhD (awarded/thesis submitted) in Biochemistry/ Biophysics /Microbiology/ Biotechnology/Life Sciences/ Biological Sciences/ Science	Post Doctoral research experience of $\geq$ 2 years in human microbiome related to infectious diseases. OR Post Doctoral research experience of $\geq$ 2 years in Sequencing and analyzing genomes of microbial species.	The candidate is expected to carry out research in the area of genomics.

**Abbreviations: UR-Unreserved; SC-Scheduled Caste; OBC-Other Backward Classes; ST-Scheduled Tribes, EWS- Economically Weaker Sections**

#### **A. IMPORTANT:**

- i. Candidates are required to submit online **brief CV (2-3 pages of A-4 size paper) along with a write-up on their vision and ideas**, as relevant to the level/post they are applying for.
- ii. Candidates are required to **upload testimonials online from 3 researchers who are familiar with their research work and capabilities.**
- iii. **Candidates are required to upload documentary proof in support of desirable experience as claimed by them.**
- iv. Age and experience will be reckoned as on the last date fixed for receipt of application form (i.e. **08/04/2019**).
- v. In Essential Educational Qualifications and Experience, the period of R&D experience in a discipline or area of work shall be counted from the date of acquiring the minimum prescribed educational qualification for the post. Experience should be evidenced by patent(s)/ publication(s) in International peer reviewed journals.
- vi. **Candidates of Indian Origin settled abroad** of proven merit, as evidenced by their research work/publications, if found suitable for the post applied, may be considered by the Screening/Selection Committee, *in absentia*, on specific request of the candidate.

**B. Benefits & Prospects under IMTECH(CSIR):**

- i. The posts carry usual allowances i.e., DA, HRA, and Transport Allowance etc. as admissible to Central Govt. Employees posted in Chandigarh. In addition to the emoluments, benefits such as Defined Contribution of New Pension Scheme, Leave Travel Concession, Reimbursement of Medical expenses for self and dependents, Conveyance Advance, House Building Advance etc. are available, as applicable to the employees of CSIR as per CSIR rules. Council accommodation will be allotted as per priority to be reckoned from the date of joining/availability, in which case HRA will not be admissible.
- ii. Scientists in Pay Level 11 & 12 will be eligible for Professional Update Allowance of Rs.10,000/- per annum. Scientist in the Pay Level 13 are also eligible for Professional Update Allowance of Rs. 20,000/- per annum. A Scientist can also **augment his/her income with earnings** by way of honorarium/Intellectual fees from consultancy/technical services and R&D sponsored projects undertaken by the laboratory, as per CSIR rules.
- iii. CSIR provides excellent opportunities for deserving candidates for career advancement under Assessment Promotion Scheme for Scientists.
- iv. Candidates on appointment, also have the opportunity to pursue PhD work with an external registration (wherever admissible).

**C. Relaxations:**

- i. Relaxation in age limit up to 5 years shall be allowed to the candidates working in CSIR/Labs./Insttts. OR Government/Autonomous Bodies/Public Sector Units in accordance with the instructions and orders issued by the CSIR/GOI from time to time in this regard.
- ii. Upper age limit relaxable by 5 years in the case of SC/ST candidates for the posts reserved for them as per CSIR/GOI orders issued from time to time. Relaxation of upper age limit for Ex-servicemen is admissible, as per rules. Relaxation in the upper age limit of 5 years is also applicable for persons who had ordinarily been domiciled in the Kashmir Division of the State of J&K during the period of 01/01/1980 to 31/12/1989 subject to production of a certificate from the District Magistrate in the Kashmir Division within whose jurisdiction he had ordinarily resided; OR from any other authority designated in this behalf by the Government of J&K.
- iii. Special age relaxation: Up to the age of 40 years in the case of Widows, Divorced Women and Women Judicially separated from their husbands, who have not re-married, as per rules.
- iv. Relaxation in age, desirable qualification, may be allowed by the Competent Authority where sufficient numbers of candidates are not likely to be available for filling up of the posts, as per rules.

**D) HOW TO APPLY:**

1. Eligible candidates are required to apply online only. For details and online application visit website link <http://imtech.res.in>. The last date of online submission of application is **08/04/2019 (1700 hours)**.
2. If the candidate does not have a valid email ID, they must create a new valid email ID before applying online.
3. Candidates desirous of applying for more than one (post) should submit **SEPARATE APPLICATIONS FOR EACH (POST)** along with requisite **application fee of Rs.100/-** for each application. Applications not accompanied with the prescribed fee or incomplete applications will be summarily rejected.
4. Candidates belonging to SC/ST/PWD/EWS/Women/Regular Employees of CSIR/Identified Casual Workers in CSIR categories are exempted from payment of application fee.
5. Candidates must ensure that application fee (if applicable) has been deposited online as per requirement. If it is found at any stage that applications were not supported with application fee (if applicable), the same shall be rejected. No enquiry/correspondence will be entertained.
6. Candidates must upload their latest colored Photograph and append signatures. Photograph/Signatures must be clear, otherwise application is liable for rejection.

**E. GENERAL CONDITIONS/INSTRUCTIONS:-**

1. The applicant must be a citizen of India.
2. The number of vacancies is provisional and may vary.
3. The qualifications prescribed should have been obtained from recognized Universities/ Institutions.
4. Applications received without prescribed fee will be summarily rejected.
5. All testimonials/certificates will be verified later. Therefore, candidates must produce original(s) for verification as and when desired by this Institute. If it is found that they have furnished false information, their candidature shall be rejected.
6. SC/ST/OBCs, PwD & EWS certificates, whichever is applicable, should be issued by the competent authority in the prescribed format/proforma.
7. Those employed in Govt. Deptt / PSUs /Autonomous Bodies should send their applications through proper channel (advance copy of application should reach before the last date) with a clear certificate that (i) no vigilance case is pending/being contemplated against him/her (ii) the applicant will be relieved within one month of receipt of appointment offer if he/she is selected. If the application is not forwarded through proper channel, the candidates will have to produce a "No Objection Certificate" at the time of the interview, failing which their candidature shall be treated as cancelled.
8. Late applications for whatsoever reason and incomplete applications will be summarily rejected. In case candidates could not submit their online application due to failure of server/any technical defect at the last moment, last date will not be extended. **Therefore, candidates are advised to submit online application well in advance before the last date of submission of applications.** Institute's decision will be final and no enquiry will be entertained in this regard.

9. **Check list of documents to be uploaded at the time of online application submission:-**

- a) Application and data sheet
  - b) Coloured photograph signed across in full
  - c) Self Attested photocopies of Date of Birth certificate, educational qualification certificates, experience certificates, if any.
  - d) Self attested copy of Certificate in the prescribed Government of India format signed by the specified authority for the relevant reserved category, as applicable
  - e) List of publications, copies of reprints, if any
10. Date of Interview/Written Test, as the case may be, will be displayed on the IMTECH website.
11. Admit Cards/Roll Nos will be issued online to hold Examination/Interview. No separate call letter(s) will be issued to candidate(s) and intimation shall be sent by email at the email mentioned by the candidate in the application form.
12. Candidates are advised to keep a copy of submitted application for future reference.
13. Mere fulfillment of educational qualifications and experience does not entitle a candidate to be called for interview. The duly constituted Screening Committee will adopt its own criteria for short-listing the candidates and only those candidates who, in the opinion of the Institute, suit the Institutional requirements, will be called for interview. The candidates should therefore, mention in the application all the qualifications and experience in the relevant area over and above the minimum prescribed qualification. Completion of Ph.D. degree will be reckoned from the date of issue of provisional certificate/notification.
14. Candidates may indicate as to whether any of their blood/close relatives is working in CSIR or any other National Labs/Institutes of the CSIR.
15. Outstation candidates called for interview will be paid to and fro single second class rail fare/ ordinary bus fare from the normal place of their residence or that declared in the application or from the actual place of undertaking the journey, whichever is nearer to the place of the interview, as per rules. Any discrepancy found between the information given in the application and as evident in the original documents at later stage will make the candidate ineligible for appearing in the interview.
16. Canvassing in any form and/or bringing in any influence political or otherwise will be treated as a disqualification for the post.
17. In case of any dispute, the decision of the CSIR-IMTECH/CSIR in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, conduct of examination/interview will be final and binding on the candidates and no enquiry or correspondence will be entertained in this connection from any individual or his/her agency. No Interim enquiries will be entertained.
18. Director, CSIR-IMTECH reserves the right to not fill any or all of the posts advertised.

To know more about IMTECH, visit us at the IMTECH Website: [www.imtech.res.in](http://www.imtech.res.in)

**CONTROLLER OF ADMINISTRATION**