



नवोन्मेषी एवं अनुप्रयुक्त जैव - प्रसंस्करण केंद्र (सी०आई० ऐ० बी०)

जैव प्रौद्योगिकी विभाग, विज्ञान एवं प्रौद्योगिकी मंत्रालय (भारत सरकार)

CENTER OF INNOVATIVE AND APPLIED BIOPROCESSING

Dept. of Biotechnology, Ministry of Science & Technology (Govt. of India)
Sector-81 (Knowledge City), PO-Manauli, SAS Nagar, Mohali -140306 (Punjab)

वेबसाइट/Website: www.ciab.res.in; Tel: 0172-5221400

Advertisement No: CIAB/53/2020-Rectt.

Last date of receiving applications: 15th September, 2020

Application format, details of the vacancies etc. can be downloaded from the institute website: www.ciab.res.in under heading "Vacancies".

Center of Innovative and Applied Bioprocessing (CIAB) is an autonomous national institute under Department of Biotechnology (Govt. of India). This futuristic innovation institute of its own kind in the country has a mission of advancing knowledge, leads and emerging technologies/processes relevant to agri-food sector towards applications and products. It aims to link them with societal benefits through catalysing/promoting entrepreneurial action around bioprocesses, bio-products, value-addition to bioproducts etc. with special reference to the agri-food sector. Currently, the four major mandated R&D areas in hand at the institute are (A) Value Addition to Primary Processing Residues/ Wastes for Edible Products; (B) Valorisation of Crop Waste for Speciality Products and Chemicals; (C) Nutritionals, nutraceuticals and upgradation of value or use of bio-products, (D) Biosynthetic technology/synthetic biology for low volume-high value products and industrial enzymes. To support and steer this mission, the institute requires following temporary research positions on stipendary / fellowship basis:

(A) JUNIOR RESEARCH FELLOWS (WITH OWN FELLOWSHIP)

1. Junior Research Fellow (Biotechnology) – One Position

Age limit – 28 Years

Fellowship – As per fellowship awarding agency.

Qualifications: (i) M.Sc (Life Sciences / Biotechnology / Microbial Biotechnology / Biochemistry / Microbiology) from a recognized University / Institute **OR** M.E./M.Tech in Biotechnology from a recognized University / Institute **and**

(ii) having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

2. Junior Research Fellow (Chemical / Nano / Material Science) – Two Positions

Age limit – 28 Years

Fellowship – As per fellowship awarding agency.

Qualifications: (i) Master's Degree in Chemical Science/Biological Science/Pharmaceutical Science or Master's Degree in Engineering from a recognized University / Institute **and**

(ii) having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

3. Junior Research Fellow (Chemical Sciences) – Two Positions

Age limit – 28 Years

Fellowship – As per fellowship awarding agency.

Qualifications: (i) M.Sc in Chemistry (General/Organic/Inorganic/Physical/Others) from a recognized University/Institute **OR** M.E./M.Tech in Chemical Engineering from a recognized University / Institute **and**

(ii) having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

4. Junior Research Fellow (Chemical Engineering/Biotechnology) – Three Positions

Age limit – 28 Years

Fellowship – As per fellowship awarding agency.

Qualifications: (i) M.Sc (Chemistry, Biotechnology, Food Technology/ Microbial Technology/Life Sciences/Biology/Botany/Zoology/Biotechnology/Food Sciences) from a recognized University/Institute **OR** B.E./B.Tech/M.E./M.Tech (Chemical Engg/ Chemical Technology/Biochemical Engineering/ Biotechnology/ Bioengineering/ Bioprocess Engineering/ Food Technology) from a recognized University / Institute **and**

(ii) having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

Note: Those appearing in the final year of Master's examination and have been conferred fellowship from any of the above mentioned agencies, may also be considered. However, if selected, they will be required to provide proof of degree completion (provisional/original) and Fellowship Award Certificate before joining.

(B) FELLOWSHIPS FUNDED BY CIAB FOR INTERNAL R&D PROJECTS/ACTIVITIES

1. Research Associate-I (Biotechnology/Synthetic Biology) – One position

Age limit – 35 Years

Fellowship – Rs. 47,000/- per month + (HRA as admissible or Hostel facility, if available)

Tenure: One Year, extendable (post-evaluation) for subsequent years subject to satisfactory progress, institutional needs and financial provisions.

Qualifications: Ph.D[#] in Biotechnology/Microbial Biotechnology/Molecular Biology from a recognized University/Institute having at least one research paper (preferably as First Author) in Science Citation Indexed (SCI) journal.

OR

M.E./M. Tech in Biotechnology from a recognized University/Institute with three years' research experience and having at least one research paper (preferably as First Author) in Science Citation Indexed (SCI) journal.

2. Research Associate-I (Chemical Engineering) – One position

Age limit – 35 Years

Fellowship – Rs. 47,000/- per month + (HRA as admissible or Hostel facility, if available)

Tenure: One Year, extendable (post-evaluation) for subsequent years subject to satisfactory progress, institutional needs and financial provisions.

Qualifications: Ph.D[#] in Chemical Engg./Biochemical Engg./Biotechnology/ Food Technology from a recognized University/Institute having at least one research paper in Science Citation Indexed (SCI) journal.

OR

M.E./M.Tech. in Chemical Engg./Biochemical Engg./Biotechnology/ Food Technology with three years' experience in industry/research/teaching and having at least one research paper in Science Citation Indexed (SCI) journal.

Desired Experience – Biomass Valorisation/Agro-Bioprocessing / Process Engineering.

The candidates who have submitted Ph.D thesis will also be eligible for the position of Research Associate, but they would be treated as SRF and will be paid emoluments as applicable to SRF (Rs. 35,000/- + HRA) till successful completion of Ph.D thesis viva.

(C) FELLOWSHIPS UNDER EXTERNALLY FUNDED PROJECTS AT CIAB, MOHALI

1. Junior Research Fellow – One position

Project Title – “BRICS technology platform for integrated bioprocessing of agricultural residues for eco-sustainable production of biofuels and by-products”.

Funded By – Department of Science and Technology (Govt. of India)

Age limit – 28 Years

Project Coordinator – Dr. Sudesh Kumar, Scientist-F, CIAB

Duration of the project – Upto 01-05-2022

Fellowship – Rs. 31,000/- + (HRA as admissible or Hostel Facility, if available) per month for first two years

Qualifications – (i) M.Sc. in Life Sciences (Biology/Biotechnology/Biochemistry/Microbiology) or Chemistry (General / Organic / Inorganic / Physical / Others) or Food Science & Technology from a recognized University / Institute **OR** B.E. / B. Tech. / M.E. / M. Tech. (Biotechnology / any other biological subject / Chemical Engineering / any other chemical subject / Food Science & Technology) from a recognized university/institute

2. Junior Research Fellow (Chemistry) – One position

Project Title – “Transformation of agro residue-rice straw-into downstream dicarboxylic acids-precursor for bioplastics-with nanoparticle encapsulated zeolites”.

Funded By – Science and Engineering Research Board (SERB) under ECRA scheme of DST (Govt. of India).

Principal Investigator – Dr. S. Saravanamurugan, Scientist-E (Catalysis Chemistry)

Duration of the project – Upto 02-03-2021

Age limit – 28 Years

Fellowship – Rs. 31,000/- + HRA as per DST norms

Qualifications – (i) M.Sc. in Chemistry (General / Organic / Inorganic / Physical) from a recognized University / Institute or M.E. / M. Tech. (Chemical Engineering) from a recognized University / Institute **and**

(ii) NET / GATE / any other relevant equivalent nature of test qualified.

Tenure – Upto duration of the project i.e. 02-03-2021 or cessation of operation and/or funding of the project by the project funding agency, whichever is earlier.

3. Junior Research Fellow – One position

Project Title – “Development of water soluble curcuminoids powder for use as a health additive”.

Funded By – Punjab State Biotech Corporation, Mohali.

Principal Investigator – Dr. Bhuwan Bhushan Mishra, Scientist-C

Duration of the project – Six months

Age limit – 28 Years

Fellowship – Rs. 31,000/- + HRA as per DST norms

Qualifications – (i) M.Sc. in Chemistry/Food Science from a recognized University / Institute **OR** M. Tech. in Food Technology **and**

(ii) NET / GATE / any other relevant equivalent nature of test qualified.

4. Junior Research Fellow – One position

Project Title – “Production of D-allulose, a functional ingredient, for development of low-calorie food products”.

Funded By – Punjab State Biotech Corporation, Mohali.

Principal Investigator – Dr. Sudhir Pratap Singh, Scientist-C

Duration of the project – Six months

Age limit – 28 Years

Fellowship – Rs. 31,000/- + HRA as per DST norms

Qualifications (i) M.Sc (Life Sciences / Biotechnology / Microbial Biotechnology / Biochemistry / Microbiology) from a recognized University / Institute **OR** M. E./M.Tech in Biotechnology from a recognized University / Institute **and**

(ii) NET / GATE / any other relevant equivalent nature of test qualified.

5. Junior Research Fellow – One position

Project Title – “Extraction of starch from potato processing waste and transformation into resistant starch molecules”.

Funded By – Punjab State Biotech Corporation, Mohali.

Principal Investigator – Dr. Sudhir Pratap Singh, Scientist-C

Duration of the project – Six months

Age limit – 28 Years

Fellowship – Rs. 31,000/- + HRA as per DST norms

Qualifications (i) M.Sc (Life Sciences / Biotechnology / Microbial Biotechnology / Biochemistry / Microbiology) from a recognized University / Institute **OR** M. E./M.Tech in Biotechnology from a recognized University / Institute **and**

(ii) NET / GATE / any other relevant equivalent nature of test qualified.

Application Procedure

The interested candidates may send their filled-in application form (available on institute's website) along with self-attested photocopies of relevant education, experience, caste (if applicable) certificates by e-mail only to: ciabrecruitment532020@gmail.com latest by **15th September, 2020**. **Only shortlisted candidates will be called for interview through video-conferencing mode.**

Please note that no hard copy of application is required at this stage.

Process of Engagement

The applications received will be screened by a committee for shortlisting the candidates for interview. The eligible applicants would be interviewed by a duly constituted committee through video-conferencing mode. The committee would recommend the candidates, if found suitable, for consideration of the competent authority for engagement on purely on Fellowship/Stipendiary basis. Provisions of registration for Ph.D exist at Universities/Institutes having MoU with CIAB subject to scholar's tangible performance, promise, academic suitability, etc.

General Conditions

1. Incomplete applications and applications that are not in proper format may be summarily rejected.
2. The above research opportunities are open only to Indian Nationals.
3. **Candidates applying for more than one position, should submit separate applications for each position.**

Important

- The applications should be submitted in the prescribed format that can be downloaded from the CIAB website: www.ciab.res.in.
- Completed applications along with self-attested photocopies of all the relevant educational, experience, caste (if applicable) certificates should be sent by e-mail only to: ciabrecruitment532020@gmail.com **latest by 15th September, 2020.**
- Please note that no hard copy of application is required at this stage.
- All the positions are based at Mohali, Punjab but some works may be assigned to be carried out at outstations also.
- Number of positions may vary.
- Relaxation of age for various categories (including woman candidates) shall be as per rules of DST and other Government of India agencies.
- If in any area no suitable candidate is found, no selection would be made in that case.
- Candidates found eligible after scrutiny of applications, shall be required to appear before a Selection Committee through video-conferencing mode. Kindly note that in case there are substantial number of applicants, the Chief Executive Officer, CIAB reserves the right to devise such criteria as deemed fit to shortlist the candidates for the interview. The decision of the CEO, CIAB shall be final and binding on all in this respect.

(Chief Executive Officer)