



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/51/2020-Rectt.

Last date of receiving applications: 15th July, 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) 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

and

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

Tenure of Fellowship: Initially one year, renewable for the subsequent year or part thereof based on satisfactory performance but in no case beyond the duration of the project or cessation of operation and/or funding of the project by the project funding agency, whichever is earlier.

2. Project Fellow – One position

Project Title – “Complete utilization of whey for the production of whey protein hydrolysate, bacterial cellulose and tagatose for various food applications”.

Funded By – LSRB, Govt. of India

Principal Investigator – Dr. Sudesh Kumar

Duration of the project – Upto 25-02-2021

Age limit – 28 Years

Fellowship – Rs. 16,000/- per month (Fixed)

Qualifications – M. Sc. in Life Sciences (Biology/Biotechnology/Biochemistry/Microbiology) from a recognized university/institute with minimum 55% marks.

Tenure – Upto date of completion of the project.

3. Research Associate – One position

Project Title – “Agro-biomass derived lignin based low-cost water-resistant, self-cleaning nano films”.

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

Age limit – 35 Years

Project Investigator – Dr. Jayeeta Bhaumik, Scientist-D, CIAB

Duration of the project – Two Years

Fellowship – Rs. 47,000/- per month (Fixed)

Qualifications – Ph.D. (Chemical Sciences / Biotechnology / Pharmaceutical Technology or related areas) from a recognized University/Institute with at least two first author research publications in Science Citation Index (SCI) journal.

Desired Experience – Biomass valorization, nanotechnology, product development (such as filming/coating).

Tenure of Fellowship: Initially one year, renewable for the subsequent year or part thereof based on satisfactory performance but in no case beyond the duration of the project or cessation of operation and/or funding of the project by the project funding agency, whichever is earlier.

4. Project Fellow – One position

Project Title – “Agro-biomass derived lignin based low-cost water-resistant, self-cleaning nano films”.

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

Age limit – 28 Years

Project Investigator – Dr. Jayeeta Bhaumik, Scientist-D, CIAB

Duration of the project – Two Years

Fellowship – Rs. 25,000/- per month (Fixed)

Qualifications* – M.Sc. (Chemistry) or M. Tech./B. Tech. (Chemical Engineering/Biotechnology/Biochemical Engineering/Food Technology) from a recognized University/Institute.

Desired Experience – Biomass valorization, nanotechnology, product development (such as filming/coating).

Tenure of Fellowship: Initially one year, renewable for the subsequent year or part thereof based on satisfactory performance but in no case beyond the duration of the project or cessation of operation and/or funding of the project by the project funding agency, whichever is earlier.

* Students appearing/appeared in final year exam can apply for the post of Project Fellow (at Sr. No. 4) subject to production of degree completion certificate at the time of joining.

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

1. Senior Research Fellow (Biotechnology/Molecular Biology) - One position

Age limit – 32 Years

Fellowship – Rs. 35,000/- per month + (16% HRA as admissible or Hostel facility, if available)

(a) Tenure: One Year, extendable on annual basis for subsequent years subject to satisfactory progress, institutional needs and financial provisions.

(b) Qualifications:

(i) M.Sc. in Life Sciences (Biology/Biotechnology/Biochemistry/Microbiology) from a recognized University / Institute **OR** B.E. / B. Tech. / M.E. / M. Tech. (Biotechnology / any other biological subject) from a recognized University/Institute.

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

(iii) Two years' of research experience.

2. Senior Research Fellow (Chemical / Nano Sciences) – One position

Age limit – 32 Years

Fellowship – Rs. 35,000/- per month + (16% HRA as admissible or Hostel facility, if available)

(a) Tenure: One Year, extendable on annual basis for subsequent years subject to satisfactory progress, institutional needs and financial provisions.

(b) Qualifications:

(i) M.Sc. in Chemistry from a recognized University / Institute **OR** M. Pharm. / M.S. (Pharm.) / M. Tech. in Medicinal Chemistry/Pharmaceutical Technology/Pharmaceutical Science from a recognized University/Institute.

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

(iii) Two years' of research experience.

3. Junior Research Fellow – One position

Age limit – 28 Years

Fellowship – Rs. 31,000/- per month + (16% HRA as admissible or Hostel facility, if available)

(a) **Tenure:** One Year, extendable on annual basis for subsequent years subject to satisfactory progress, institutional needs and financial provisions.

(b) **Qualifications:**

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

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

4. Project Fellow (COVID Project) – Two Positions

Age limit – 28 Years

Fellowship – Rs. 12,000/- per month + (16% HRA as admissible or Hostel facility, if available)

(a) **Tenure:** Six months or upto duration of the project, whichever is earlier.

(b) **Qualifications*:** M.Sc. in Chemistry from a recognized University / Institute OR B. Tech. / B.E. in Biotechnology or related field from a recognized University/Institute.

* Students appearing/appeared in final year exam can apply for the post of Project Fellow (COVID Project at Sr. No. 4) subject to production of degree completion certificate at the time of joining.

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 latest by **15th July, 2020**. **Only shortlisted candidates will be called for interview through video-conferencing mode.**

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 to **Administrative Officer, Center of Innovative and Applied Bioprocessing (CIAB), Sector-81 (Knowledge City), Manauli P.O., S.A.S. Nagar, Mohali -**

140306, Punjab super-scribing “**APPLICATION FOR THE POST OF _____**” on the envelope, latest by **15th July, 2020**.

- 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)