

# नवोन्मेषी एवं अनुप्रयुक्त जैव - प्रसंस्करण केंद्र (सी०आई० ए० बी०)

(जैव प्रौद्योगिकी विभाग के तहत एक राष्ट्रीय संस्थान)

विज्ञान एवं प्रौद्योगिकी मंत्रालय (भारत सरकार)

## CENTER OF INNOVATIVE AND APPLIED BIOPROCESSING

(A National Institute under Dept. of Biotechnology,  
Ministry of Science & Technology, Govt. of India)

वेबसाइट/Website: [www.ciab.res.in](http://www.ciab.res.in); Tel: 0172-5221400



### Walk-in-Interviews on 08-02-2018

#### Advertisement No: CIAB/38/2018-Rectt.

Application format, details of the vacancies etc. can be downloaded from the institute website: [www.ciab.res.in](http://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 (Catalysis Chemistry) – Multiple positions**

Age limit– 28 Years

Fellowship – As per fellowship awarding agency

**Qualifications:** M.Sc. in Chemistry (General / Organic / Inorganic / Physical / Others) from a recognized University / Institute and having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

##### **2. Junior Research Fellow – (Natural Product Chemistry) – Multiple positions**

Age limit– 28 Years

Fellowship – As per fellowship awarding agency

**Qualifications:** M.Sc. in Chemistry (Medicinal / Pharmaceutical / Organic / Inorganic / Physical) from a recognized University / Institute and having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

##### **3. Junior Research Fellow – (Biotechnology) – Multiple positions**

Age limit– 28 Years

Fellowship – As per fellowship awarding agency

**Qualifications:** Master's Degree in Science (Biology / Biotechnology / Biochemistry / Bioinformatics / Microbiology) from a recognized University / Institute and having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

##### **4. Junior Research Fellow – (Chemical / Biochemical Engineering) – Multiple positions**

Age limit– 28 Years

Fellowship – As per fellowship awarding agency

**Qualifications:** B.Tech / B.E. / M.Tech / M.E. (Biotechnology / Biochemical Engineering / Bioengineering / Chemical Engineering / Chemical Technology / Bioprocess Engineering) from a recognized University / Institute and having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

## 5. Junior Research Fellow – (Chemical / Nano Sciences) – Multiple positions

Age limit– 28 Years

Fellowship – As per fellowship awarding agency

**Qualifications:** M. Sc. in Chemical or Life Sciences, M. Pharm. / M. S. (Pharm.) / M. Tech. in Medicinal Chemistry/Pharmaceutical Chemistry/Pharmaceutical Science from a recognized University / Institute and having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

## 6. Junior Research Fellow – (Chemical Technology / Food Biotechnology) – Multiple positions

Age limit– 28 Years

Fellowship – As per fellowship awarding agency

**Qualifications:** M. Tech. in Chemical/Food/Biotech Engineering or M. Sc. in Biochemistry/Food Science from a recognized University/Institute and having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

### **(B) FELLOWSHIPS UNDER EXTERNALLY FUNDED PROJECTS AT CIAB, MOHALI**

#### 1. **Junior Research Fellow (Biological Sciences) – One position**

**Project Title** – “Structural and functional characterization of metagenome of extreme niches and fermented foods of high altitude region of Sikkim Himalaya”.

**Funded By** – IBSD, DBT (Govt. of India)

**Principal Investigator** – Dr. Sudhir P. Singh

**Duration of the project** – Up to March-2019 or date of termination of the project, whichever is earlier.

**Age limit** – 28 Years

**Fellowship** – Rs. 25,000/- + (HRA as admissible or Hostel Facility, if available) per month

**Qualifications** – (i) M. Sc. in Life Sciences (Biology/Biotechnology/Biochemistry/Microbiology) from a recognized university/institute with NET / GATE / any other relevant equivalent nature of test qualified. **OR**

(ii) M. Tech. (Biotechnology) from a recognized university/institute.

#### 2. **Junior Research Fellow (Synthetic Biology/Biosynthetic Technology) – One position**

**Project Title** – “Protein engineering and gene mining strategies for the development of thermo-acidic D-psicose 3-epimerase, useful in generating functional products”.

**Funded By** – Science and Engineering Research Board (SERB), DST (Govt. of India).

**Principal Investigator** – Dr. Sudhir P. Singh

**Duration of the project** – Up to March-2020 or date of termination of the project, whichever is earlier.

**Age limit** – 28 Years

**Fellowship** – Rs. 25,000/- + (HRA as admissible or Hostel Facility, if available) per month

**Qualifications** – (i) M. Sc. in Life Sciences (Biology/Biotechnology/Biochemistry/Microbiology) from a recognized university/institute with NET / GATE / any other relevant equivalent nature of test qualified. **OR**

(ii) M. Tech. (Biotechnology) from a recognized university/institute.

**Tenure** – Initially one year, renewable for the second year based on satisfactory performance but in no case beyond cessation of operation and/or funding of the project by the project funding agency.

### **3. Research Associate (Food Technology/Food Biochemistry) – One position**

**Project Title** – “Development and optimization of fresh produce supply chain and storage systems”.

**Funded By** – DBT (Govt. of India)

**Principal Investigator** – Dr. Sudesh Kumar, Scientist-F

**Tenure** – Up to December, 2019 or date of termination of project, whichever is earlier.

**Age limit** – 35 Years

**Fellowship** – Rs. 36,000/- + (HRA as admissible or Hostel Facility, if available) per month

**Qualifications** – Ph.D. in Agriculture Engineering or Food Science & Technology or Food Engineering or Food & Nutrition or Biochemistry or Biotechnology from a recognized University/Institute with at least one research paper in Science Citation Indexed (SCI) journal.

### **4. Lab Technician – One position**

**Project Title** – “Development and optimization of fresh produce supply chain and storage systems”.

**Funded By** – DBT (Govt. of India)

**Principal Investigator** – Dr. Sudesh Kumar, Scientist-F

**Duration of the project** – Up to 20<sup>th</sup> December, 2019 or date of termination of project, whichever is earlier.

**Age limit** – 25 Years

**Fellowship** – Rs. 12,000/- per month

**Qualifications** – 10+2 (SSC) pass from a recognized board with physics, chemistry and biology as main subjects.

## **(C) FELLOWSHIPS FUNDED BY CIAB FOR INTERNAL R&D PROJECTS/ACTIVITIES**

### **1. Junior Research Fellow (Chemical / Nano Sciences) / Research Associate (Nanotechnology) - One position**

Age limit– 28 Years for Junior Research Fellow  
35 Years for Research Associate

Fellowship – Rs. 25,000/- per month + (HRA as admissible or Hostel facility, if available) for JRF  
Rs. 36,000/- per month + (HRA as admissible or Hostel facility, if available) for RA

**(a) Tenure:** One Year, extendable (post-evaluation) for second year subject to satisfactory progress, institutional needs and financial provisions.

**(b) Qualifications:**

**For JRF**

(i) M.Sc. in Chemistry or Biotechnology from a recognized University/Institute with NET / GATE / any other equivalent nature of test qualified. OR

(ii) M. Pharm./M.S.(Pharm.) in Medicinal/Pharmaceutical Chemistry from a recognized University/Institute

**Desirable** – Candidates with deep knowledge and/or research experience in nanotechnology will be given preference in case of equal performance at the interview.

### **For Research Associate**

Ph.D<sup>#</sup>. (Pharmaceutical Technology / Biotechnology / Chemical Sciences or related areas) from a recognized University/Institute with dissertation preferably in the area of nanotechnology with at least one research paper in Science Citation Indexed (SCI) journal.

(c) **Assignment:** To carry out research related to nanomaterials for the valorization of biomass.

# The candidates who have submitted Ph.D thesis will also be eligible for the position of Research Associate but they would be treated as and paid equivalent to Senior Research Fellow (i.e. Rs. 28000/- + HRA) till successful completion of Ph. D thesis viva.

### **2. Junior Research Fellow (Natural Product Chemistry) - CIAB – One position**

Age limit– 28 Years

Fellowship – Rs. 25,000/- per month + (HRA as admissible or Hostel facility, if available)

(a) **Tenure:** One Year, extendable (post-evaluation) for second year subject to satisfactory progress, institutional needs and financial provisions.

(b) **Qualifications:** M.Sc. in Chemistry (medicinal/Organic/inorganic/Physical) from a recognized University/Institute with NET / GATE / any other equivalent nature of test qualified.

(c) **Assignment** – To work on the semi-synthetic modification of essential oils and valorization of residual biomass.

### **Application Procedure**

The interested candidates may appear for a Walk-In-Interview on **08-02-2018** along with the application form (as per format for JRF/Project Fellow) available on the website [www.ciab.res.in](http://www.ciab.res.in). The duly filled application form must be submitted at the time of the registration from **09:00 AM to 10:30 AM on 08-02-2018**. **The candidates must ascertain their eligibility before applying, as ineligible candidates would not be interviewed.**

### **Process of Engagement**

The eligible applicants would be interviewed by a duly constituted committee. The committee would recommend the candidates, if found suitable, for consideration of the competent authority for engagement on purely on Fellowship/Stipendiary basis. Subject to satisfactory performance and R&D outputs, NET qualified research fellows may be allowed to continue as SRF after 2 years of Junior Research Fellowship. Provisions of registration for Ph.D exist at Universities 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 rejected.
2. The above research opportunities are open only to Indian Nationals.

### **Important**

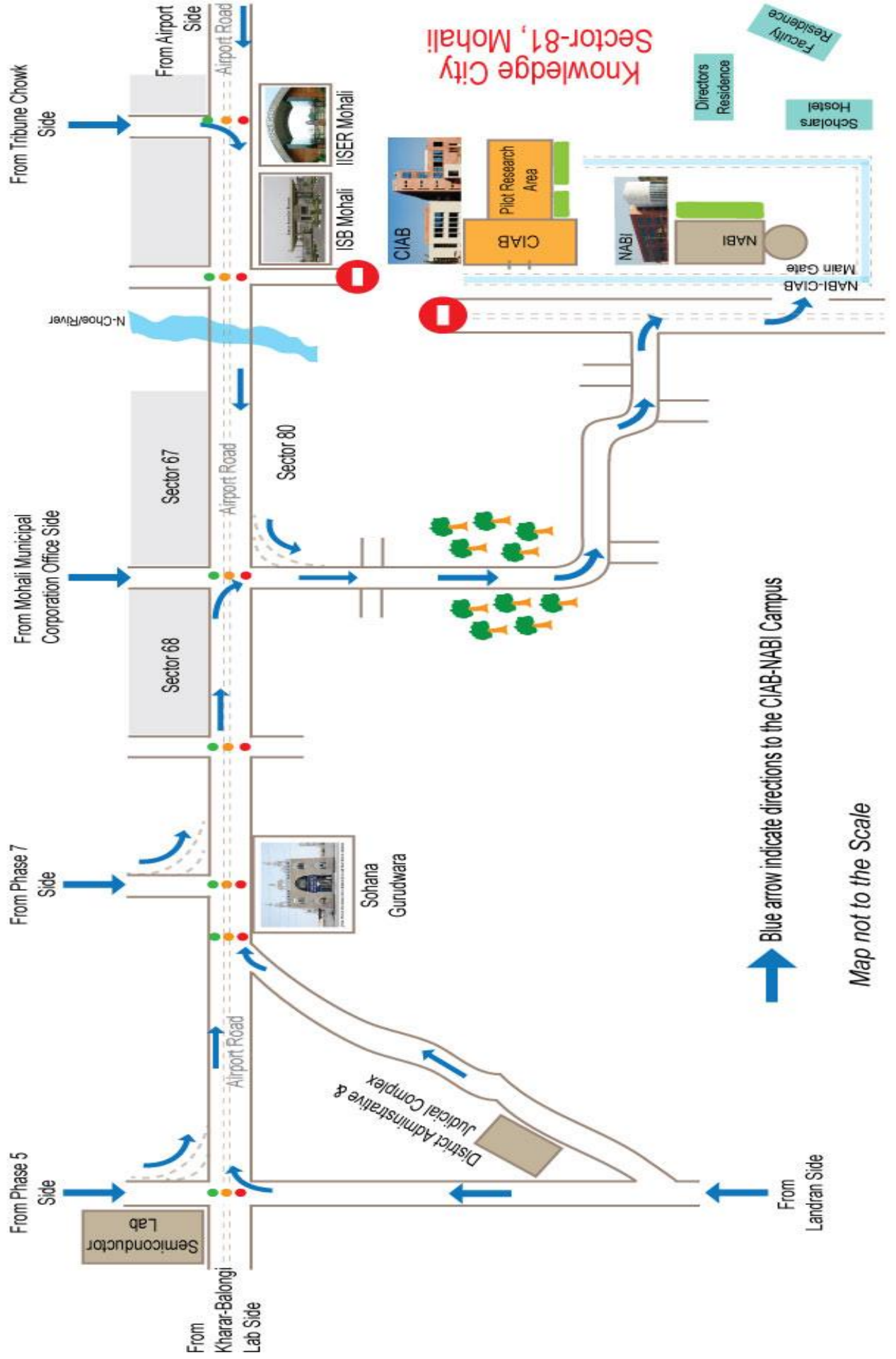
- The applications should be submitted in the prescribed format that can be downloaded from the CIAB website: [www.ciab.res.in](http://www.ciab.res.in).
- Completed applications along with photocopies of all the relevant educational and experience certificates are to be submitted at the time of registration at **Center of Innovative and Applied Bioprocessing (CIAB), Sector-81 (Knowledge City), Manauli P.O., S.A.S. Nagar, Mohali - 140306, Punjab from 09:00 AM to**

**10:30 AM on 08-02-2018 (guide map enclosed below).**

- 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.
- No TA/DA etc. would be paid for attending the walk-in-interview.
- Candidates should bring their original documents for verification and one set of photocopy (for submission) of their all relevant certificates related to education, experience, publications, thesis/dissertations etc. at the time of interview.
- Candidates found eligible after scrutiny of applications post registration, shall be required to appear before a Selection Committee. 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. If required, a written test may also be conducted to short-list candidates. The decision of the CEO, CIAB to conduct a written test shall be final and binding on all in this respect.

**(Chief Executive Officer)**

# Guide Map to CIAB-NABI Campus, Knowledge City, Sector 81, Mohali



Blue arrow indicate directions to the CIAB-NABI Campus

Map not to the Scale