

Center of Innovative and Applied Bioprocessing (CIAB)

(Department of Biotechnology, Ministry of Science & Technology,
Govt. of India)

Sector-81, Knowledge City, Mohali-140306, Punjab (INDIA)

Advertisement No. CIAB/6(46)/2017-Gen PhD (Biotechnology) Program Admission 2019

Center of Innovative and Applied Bioprocessing (CIAB), Mohali invites applications from the motivated students for admission to the Ph.D. degree program in Biotechnology with focus on Bioprocessing starting from July 2019 session. CIAB is a recognized centre of the Regional Centre for Biotechnology (RCB), Faridabad to conduct PhD (Biotechnology) program. The program will be conducted at CIAB and the degree will be awarded by RCB (www.rcb.res.in), an institution of national importance created by an Act of Parliament.

Duration of Ph.D. course: The duration is for 5 years and a maximum of 7 years.

Area of Ph.D. research work: Biological Sciences, Chemical Sciences, Food Science & Engineering and Chemical Engineering

Number of Seats: 05 (Institute reserves the right to restrict the number of seats depending upon availability of positions with the faculty)

Eligibility Criteria

- i) **Minimum qualification:** M.Sc./M.Tech./M.E./ M.S.(Pharm)/ or equivalent degree in any branch of Biological Sciences/ Chemical Sciences/ Food Science & Technology/ Chemical Engineering or related field.
- ii) **Qualifying marks:** 60% total marks or equivalent score in the qualifying degree (5% relaxation will be given to SC/ST/OBC as per GOI norms).
- (iii) In addition to the above conditions, candidates should have qualified any of the following national examinations. Preference will be given to those who have a valid fellowship offer at the time of interview.
 - Joint CSIR-UGC-NET Test for Junior Research Fellowship (CSIR/UGC JRF/SRF)
 - Innovation in Science Pursuit for Inspired Research (DST-INSPIRE)
 - DBT Junior Research Fellowship (DBT-JRF)
 - ICMR Junior Research Fellowship (ICMR-JRF)
 - Any other national level fellowship
 - ASRB-NET candidate
 - GATE

- Or any other equivalent national level test.
- (iv) **Age Limit:** 28 years (relaxation will be given as per GOI norms).

Candidates who have appeared, or will be appearing, in the qualifying degree examination (final year/final semester) and whose result is still awaited may also apply. However, the admission is pursuant to satisfactory fulfilment of the aforementioned eligibility criteria/requirements at the time of joining.

Fellowship

The students admitted to the program will have to avail the fellowship offered to them from the different granting agencies as per their rules.

The details of Admission, Application Form, Ph.D. course work and Brochure are available at CIAB website (www.ciab.res.in). Eligible candidates may send their applications by post for admission to the Ph.D. program to **Administrative Office, Center of Innovative and Applied Bioprocessing (CIAB), Sector-81, Knowledge City, Mohali- 140306 (Punjab)** along with application fee of Rs. 500/- in the form of Bank Draft in favour of “**Chief Executive Officer, CIAB.**” payable at Mohali/Chandigarh. **Last date of application submission is June 10, 2019. The application received after the last date will not be considered.**

Date of Interview: July 9, 2019.

The interview will be conducted for short-listed candidates on July 9, 2019. The purpose of interview is to assess the student for his/her science aptitude and interest in a career in scientific research and development.

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Sector-81, Knowledge City, Mohali-140306, Punjab (INDIA)

Brochure for Ph.D. Program

Center of Innovative and Applied Bioprocessing (CIAB)

**(Department of Biotechnology, Ministry of Science & Technology, Govt. of
India)**

Sector-81, Knowledge City, Mohali-140306, Punjab (INDIA)

Ph.D. (Biotechnology) program 2019

**Rules and Regulation of PhD program are as per Regional Centre
for Biotechnology (RCB) ordinances, statutes and regulations, 2017
(notified on September 15th, 2017 in The Gazette of India)**

Center of Innovative and Applied Bioprocessing (CIAB), an autonomous institute of the Department of Biotechnology, Govt. of India, is the only institute in the country which works mainly on Secondary Agriculture and development of value added products from different types of bio resources. The institute is working very hard on meeting its goals through the well-designed four R & D programmes; (i) Value addition to primary processing residue/wastes for edible products, (ii) Valorization of crop wastes for specialty products and chemicals, (iii) Nutritionals, nutraceuticals, and upgradation of value or of use of primary processing bioproducts and (iv) Biosynthetic technology/synthetic biology for low volume-high value products and industrial enzymes. Working in these areas, institute has transferred four technologies to various industries. Institute has filed several patents and published many research papers of high standard in reputed peer reviewed journal. CIAB is a recognized regional centre of RCB for providing PhD degree.

Regional Centre for Biotechnology (RCB) is an academic institution established by the Department of Biotechnology, Govt. of India with regional and global partnerships synergizing with the programmes of UNESCO as a Category II Centre. The primary focus of RCB is to provide world class education, training and conduct innovative research at the interface of multiple disciplines to create high quality human resource in disciplinary and interdisciplinary areas of biotechnology in a globally competitive research milieu. In 2016, RCB was recognised as an Institution of National Importance by the Parliament of India.

(1) OBJECTIVES OF Ph.D. PROGRAMME

The programme envisages advanced training and translational research on biotechnology and synthetic biology, food nutrition and engineering, chemical bioproducts and chemical engineering with particular emphasis on utilization of agro-residues for value added products. The specific objectives of the programme are to develop researchers with the following competencies:

1. To prepare skilled and successful professionals for research institutions, industry, and entrepreneurial pursuits.
2. To prepare specialists in the field of bioprocess for value added products from biomass
3. To contribute towards skill and innovation as well as societal uplift.

(2) GOALS OF Ph.D. PROGRAMME

PhD programme is to develop highly skilled and specialized researchers with the goal of sustainable technological development in a contemporary, global, economical, environmental and societal context.

(3) ADMISSION PROCESS

1. Qualifications: M.Sc./M.Tech./M.E./ M.S.(Pharm)/ or equivalent degree in any branch of Biological Sciences/ Chemical Sciences/ Food Science & Technology/ Chemical Engineering or related field.
2. Qualifying Marks: 60% aggregate score or equivalent grade in the qualifying degree examination (5% relaxation for SC/ST/OBC/PD allowed as per the GOI norms).
3. Reservations of seats: As per the GOI guidelines.
4. Age Limit: 28 years (relaxation will be given as per GOI norms).
5. In addition to the above conditions, candidates should have qualified any of the following national examinations. Preference will be given to those who have a valid fellowship offer at the time of interview.
 - Joint CSIR-UGC-NET Test for Junior Research Fellowship (CSIR/UGC JRF/SRF)
 - Innovation in Science Pursuit for Inspired Research (DST-INSPIRE)
 - DBT Junior Research Fellowship (DBT-JRF)
 - ICMR Junior Research Fellowship (ICMR-JRF)
 - Any other national level fellowship
 - ASRB-NET candidate
 - GATE
 - Or any other equivalent national level test.

Applications will be invited through CIAB website and various newspapers around April-May each year. Upon receiving applications short-listed candidates will be called for an interview in June/July each year. Candidates who have appeared, or will be appearing, in the qualifying degree examination (final year/final semester) and whose result is still awaited, may also apply. However, the admission is pursuant to satisfactory fulfilment of the aforementioned criteria/ requirements at the time of joining.

(4) NATURE OF DOCTOR OF PHILOSOPHY PROGRAMME

The Doctor of Philosophy Programme at CIAB shall consist of two components, namely:-

- (a) PhD course work and

(b) Research work leading to the submission of a doctoral thesis.

(5) HOSTEL FACILITIES

A hostel with shared boarding and lodging facilities is available on NABI-CIAB campus. If rooms are available at the time of joining, it will be given to the admitted students on payment of prescribed fees.

(6) FEES STRUCTURE

The following fees are payable at the beginning of each semester.

S. No.	Particular	1 st semester fee (Rs.)	2 nd semester (Rs)	3 rd Semester and onward (Rs.)
1	Academic Administration Fee	5000/-	5000/-	5000/-
2	Tuition Fee	6000/-	6000/-	-
3	Laboratory Fee	6000/-	6000/-	6000/-
4	Student amenities (library & internet) Fee	3000/-	3000/-	3000/-
5	Medical Fee	1000/-	1000/-	1000/-

Caution money (Rs.5,000/-) is payable at the time of admission.

Ph.D. thesis examination fee (Rs.10,000/-) is payable at the time of Ph.D. thesis submission

Hostel, hostel electricity, and the cooperative mess charges are as per the actuals.

The Fee may be revised during the course as per the provision in the RCB ordinance in this regards.

(7) APPLICATION PROCEDURE

The details of Admission, Application Form, Ph.D. course work and Brochure are available online at CIAB's website (www.ciab.res.in). Eligible candidates may send their applications by post for admission to the Ph.D. program to Administrative Office, CIAB along with application fee of Rs. 500/- in form of Bank Draft in favour of "**Chief Executive Officer, CIAB.**" payable at Mohali/Chandigarh.

CONTACT DETAILS FOR QUERIES

Phone: +91-172-5221400, Email: admission@ciab.res.in

The last date for submitting the application for Ph.D. admission is June 10, 2019.

ACADEMIC CALENDAR

ACTIVITY	DATES
MONSOON SEMESTER (JULY TO DECEMBER)	
Registration	By last week of July
Commencement of Semester	1 st week of August
Reporting to the Advisor(s)	2 nd week of August
Mid-Term Examination	1 st week of October
End-Semester Examination	1 st week of December
Synopsis/ Research Progress (Report and Presentation)	3 rd week of December
Submission of marks by Examiners	End of December
AUTUMN SEMESTER (JANUARY TO JUNE)	
Registration	1 st week of January



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Knowledge City, Sector 81, S.A.S. Nagar, Mohali 140306, Punjab, INDIA
Website: www.ciab.res.in

Application form for admission to Ph.D. (Biotechnology) Program

01. Name of the candidate (CAPITAL):

02. Father/husband's name:

03. Mother's name:

04. Date of birth:

05. Age as on **10th June, 2019**:

06. Sex:

07. Married /Unmarried:

08. Address with phone and mobile numbers:

Permanent:

Correspondence:

09. E-mail address:

10. Nationality:

11. Category SC/ST/OBC/General:

12. Details of UGC/CSIR/ICMR/DST/DBT examination:-

Exam name:

Or any equivalent exam.

Year of passing:

Paste recent passport size self-attested photograph. The signatures should be across the face of the photo so that half of them are on the application and the other half on the photo

13. Educational qualification:

<u>Name of Exam</u>	<u>Name of the Board/University</u>	<u>Subjects</u>	<u>Marks obtained</u>	<u>% / Grade</u>	<u>Year of passing</u>
Xth					
XIIth					
Bachelor degree					
Master degree					

14. Training (If any):

15. Title of Master degree project:-

16. Publication/Presentations (if any):-

17. Award & Fellowship, (if any):

18. Name with contact details (including email and phone no./mobile no.) of three referees:

i.

ii.

iii.

19. Application fee details (Rs. 500/-): DD No. Date: Bank:

20. Self-attested copies of mark sheets, Certificates, award/fellowship letter, should be enclosed with the application form.

I hereby declare that the above submissions are true and to the best of my knowledge and belief and nothing has been concealed therein. In case any of the above are subsequently found false/untrue my registration shall stand terminated automatically.

Signature of the candidate

Date:

Place: