



GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Department of Biotechnology invites applications for
Har-Gobind Khorana-Innovative Young Biotechnologist Award (IYBA) 2019

IYBA is an attractive Research Award to identify and nurture outstanding young scientists upto 35 years of age with innovative ideas and desirous of pursuing research in frontier areas of Biotechnology/Biotechnology-related fields. Scientists without regular employment are also eligible for this award. The award consists of Research grant for the proposed innovative project and a fellowship of Rs. 75,000/- per month for 3 years for those awardees who are not in regular employment. Association of a mentor (senior faculty/scientist in a University, Research Institute, Medical/Agriculture/ Veterinary College or any other research institute of repute) is mandatory for those applicants who are not in regular positions. The mentor should agree to provide laboratory space and other needed facilities for implementing the proposed research work. Applicants having regular (permanent) employment will receive a cash award of Rs.1,00,000/- (Rupees One Lakh Only) per year for a period of 3 years in addition to Research grant. The application must be forwarded by the head of the institute or duly designated competent authority.

How to Apply?

Applications in the prescribed proforma should be submitted through online DBT portal (ePromis) (url: <http://www.dbtpromis.gov.in> or <http://www.dbtpromis.nic.in>) on or before **15th July, 2019**. 3 hard copies of application along with requisite documents should be sent to Dr. Kakali Dey Dasgupta, Scientist "E", Department of Biotechnology, Ministry of Science & Technology, Room No.814, 8th Floor, Block-2, CGO Complex, Lodhi Road, New Delhi -110003.

For details of the award, application proforma and steps for online submission of application please log on to DBT website (www.dbtindia.gov.in)

Last Date of Submission of application: 15th July, 2019

DETAILS OF HAR-GOBIND KHORANA INNOVATIVE YOUNG BIOTECHNOLOGIST AWARD

Background & Purpose

The **Har-Gobind Khorana 'Innovative Young Biotechnologist Award' (IYBA)**, instituted by the Department of Biotechnology, Ministry of Science & Technology, Government of India is an attractive Research Award to identify and nurture outstanding young scientists with innovative ideas and desirous of pursuing research in frontier areas of Biotechnology. **Young scientists** up to the age of 35 years with relaxation of 5 years for SC/ST/OBC, Women and Physically Handicapped Category are considered for this award. **Scientists without regular employment are also eligible for this award.** The award consists of Research Grant for a proposed innovative project and a fellowship of Rs. 75,000/- per month for 3 years awardees who are not in regular employment. Association of a mentor (senior faculty/scientist in a University, Research Institute, Medical/Agriculture/ Veterinary College or any other research institute of repute) is mandatory for those applicants who are not in regular positions. The mentor should agree to provide laboratory space and other needed facilities. The application must be forwarded by the head of the institute or duly designated competent authority. It is expected that the awardees will work independently and that the mentor will facilitate the awardee's research efforts. Awardees having regular (permanent) employment will receive a cash award of Rs.1,00,000/- (Rupees One Lakh Only) every year for a period of three years in addition to a Research Grant.

Eligibility (Mandatory)

- i. The applicant should be an Indian Citizen.
- ii. The applicant must have a PhD in any branch of Life Sciences, Computational Sciences (applied to Biotechnology, Medicine or Biological Sciences), Veterinary Sciences, Pharmaceutical Sciences and Agricultural Sciences. Master degree holders in Medicine or Dentistry (MD/MS/MDS or IMC designated equivalent) and Engineering/Technology (M.Tech or AICTE designated equivalent) are also eligible to apply.
- iii. Age limit: Not more **than 35 years** of age on the last date of submission of application i.e., 15th July, 2019. Fresh PhD's are strongly encouraged to apply if they meet the mandatory requirements. Age relaxation of 5 years is made for Candidates belonging to SC/ST/OBC, Women and Physically Handicapped Category.
- iv. The applicant should have an excellent academic career and a track record of high impact peer reviewed publications or invented technologies as evident by granted Indian and/or International patents.
- v. Cumulative publication of 4 as first or corresponding author **or** one granted Indian patent **or** one granted International patent.
- vi. The proposed project has to be carried out in any recognized research institution/university in India having adequate facilities to carry out for its implementation. A consent letter duly signed by the proposed mentor stating that all laboratory facilities will be provided for implementation of the proposed project must be provided for those who are not in permanent services. The application has to be forwarded by the head or duly designated competent authority of the host Institution or University.

Nature of Award

The award shall cover both non-recurring and recurring financial grants for executing the innovative research plan proposed by the awardee. This includes equipment/software, consumables, contingencies and travel grant as required for the research project. In addition a fellowship of Rs. 75,000/- per month will be admissible for awardees that do not have regular employment or are not drawing any other fellowship. If during the course of the project, the awardee finds a regular employment or receives any other fellowship, the awardee should immediately inform the fact to the DBT and the monthly payment of fellowship from the subsequent month onward will be discontinued. In this situation the awardees will receive Rs. 1.00 lakh cash award per annum similar to the awardees those are in regular employment. Awardees having a regular employment will receive a cash award of Rs. 1.00 lakh every year during the course of the project in addition to the equipment and other recurring grants except the fellowship amount.

Financial Support

<u>Non-Recurring</u>		
Description	Amount	Comments and Notes
Equipment and accessories	Up to an amount of Rs. 10.00 lakhs	
<u>Recurring</u>		
Fellowship	Rs. 75,000 per month for 3 years	Admissible only to awardees who do not have a regular employment or not in receipt of any other fellowship/salary
Cash Award	Rs. 1.00 lakh per year for 3 years	Admissible only to awardees who hold regular permanent positions
Manpower (either one JRF or one SRF or one Project Assistant)	As per DST O.M. dated Jan 30, 2019	Qualifications for JRF and SRF are as per DST O.M. dated Jan 30, 2019. Stipends for Project Assistants with a Master's degree are Rs. 15,000/- per month and with Bachelor's degree is Rs. 12,000/- per month.
Consumables, Contingencies & Travel (Travel expenditure is to be restricted up to Rs. 50000/- per year.)	Rs. 10.00 lakh per year	
Overheads	As per DBT rules	

Duration

The duration of the project will be for a period of three years subject to satisfactory progress.

Other Conditions

- A letter from the Mentor, giving consent to provide laboratory space where the applicant desires to work, should be enclosed with the application for those who are not in permanent employment. The laboratory should be able to support major needs of the project.
- The project will be operated by the awardee. However, capital equipment will be procured in the name of the institute where the awardee proposes to work.
- The financial transactions of the award have to be handled by the host institute, which will be responsible for submitting the Utilization certificate and Statement of Expenditure every financial year.
- IYBA awardee should not undertake foreign deputations for more than three months during the entire course of the project period.
- The awardee will be the corresponding author for any publication emanating as a result of the research carried out on account of the award. The mentor and others could be co-authors. This arrangement will serve the purpose of the award, namely nurturing excellence of young investigators, making them independent, eligible for faculty positions and excel as scientists.
- Other Terms & Conditions are to be followed as mentioned in sanction order of the grant as and when the award will be sanctioned to awardees.

**DEPARTMENT OF BIOTECHNOLOGY (DBT)
APPLICATION FOR HAR-GOBIND KHORANA INNOVATIVE
YOUNG BIOTECHNOLOGIST AWARD 2019 (IYBA)**

IYBA -2019

(Expand space wherever needed)

1.	Full name	
2.	Date of Birth & Age as on 15th July 2019(attach proof for age)	
3.	Gender (Please tick the relevant box)	<input type="checkbox"/> Male <input type="checkbox"/> Female
4.	Category	<input type="checkbox"/> GEN PH <input type="checkbox"/> SC <input type="checkbox"/> ST <input type="checkbox"/> OBC <input type="checkbox"/>
5.	Full postal address	
6.	Home Telephone	
7.	Work Telephone	
8.	Mobile	
9.	Fax	
10.	E-mail address	

11. **Designation**

12. **Is this position a regular (employed) one or Non-Regular one?** Regular employment Unemployed

13. **Name of the forwarding Institution**

14. **Institution's Address**

15. Academic qualification from Bachelor's degree onwards

Degree	Subject	University/institution	Year	Percentage of marks & Class/Grade

16. Positions held: (list the most recent first)

Position	University/Institution	Dates

17. Details of PhD work

Title	
Institution/University	
Name of Mentor	
Mentor's e-mail ID	

18. Details of any post doctoral work including institute where work was carried out, name & email id of mentor and brief description (not more than 300 words) of work done.

--

19. List of peer reviewed publications in indexed journals giving list of authors (indicate whether applicant is first or corresponding author), name of journal, journal impact factor, year of publication, volume and page numbers.

20. Total impact factor of publications:

21. List of patents granted (attach appropriate details on grant and patent)

- (a) Number of Indian patents—with details on each patent
- (b) Number of international patents—with brief details on each patent
- (c) List of any patents applied for

22. Details of any commercialization of technology/ies developed

23. List of any books/chapters/reviews published

24. Overseas visits

Name of the place	Country	Duration of the visit with dates	Purpose

25. Particulars of membership in Academies/Societies/Professional Bodies

--

26. Awards won

Awarding Agency or organization	Purpose	Nature of the award

27. Details of Research Proposal

(a) Area of Research

(b) Project Title

--

(c) Scientific details of research project (Description should not exceed 5 pages)

The description must be confined to the following details:

- Introduction,
- Background to the problem,
- Objectives,
- Working hypothesis,
- Detailed Methodology,
- **Description of the innovative component in the proposal**
- Expected outcome.

(d) Budget proposed: Rs. In lakhs (Please see IYBA notification for details on budget allocations)

HEAD	YEAR 1	YEAR 2	YEAR 3	TOTAL
(A) Non- Recurring				
(1)Equipment				
(2)Accessories				
Sub Total (A)				
(B) Recurring				
(1) Fellowship (Rs. 75,000x 12) or Cash award Rs.1.00 lakh per annum				
(2) Manpower (1 JRF or SRF or PROJECT ASSISTANT)				
(3) Consumables				
(4) Contingencies, Travel, Overhead charges as per DBT rules				
Sub Total (B)				
Grand Total (A+B+C)				

28. *Name & address of the mentor (for applicants who do not have regular/permanent positions)*

Full name	
Title (Professor/Dr)	
Position:	
Institution's address:	
Telephone	
E-mail address	

29.

<i>Name of head of the organization / duly designated competent forwarding authority</i>	
<i>Name</i>	
<i>Designation</i>	

30. *Any other information in support of your application*

--

Attachments Needed

1. Proof for date of birth.
2. Proof of SC/ST/OBC/PH of applicant(if applicable)
3. Proof of Master's degree, and PhD Certificate.
4. One copy of each publication mentioned in column 19 and 23.
5. One copy of patent/award details mentioned in column 21 and 26
6. Consent form from mentor (as case may be) and host institute

I confirm that all the information provided in the application is factual and true to the best of belief. I have checked the research proposal for plagiarism and confirm that any similarity is within acceptable limits. Further, I also understand that if any deviation from this is detected and confirmed, my application is liable to be rejected or if this occurs after award, the same will be withdrawn.

SIGNATURE OF THE APPLICANT NAME

DATE:

PLACE:

DECLARATION/CERTIFICATION

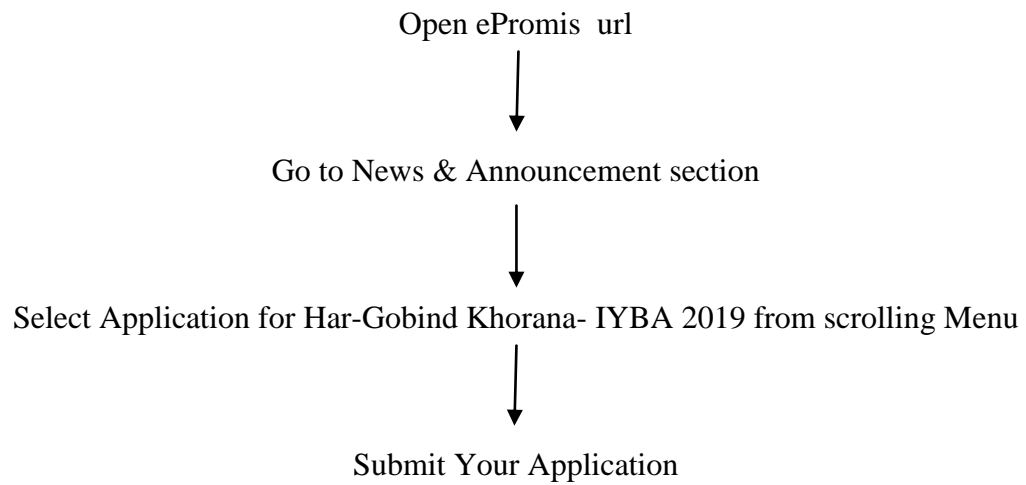
It is certified that

- a) If the project involves the utilization of genetically engineered organisms, we agree to submit an application to DBT duly approved by our Institutional Bio-safety Committee. We also declare that while conducting experiments, the Bio-safety Guidelines of the Department of Biotechnology would be followed.
- b) If the project involves field trials, human subjects, animal experiments, exchange of biological specimens etc. we will ensure that appropriate ethical clearances would be taken from concerned ethical Committees/Competent authorities. These details will be conveyed to the Department of Biotechnology before implementing the project.
- c) If the Research Project involves biological resources, the obligations under the Biological Diversity Act 2002 as applicable shall be complied with the awardee, the details of such obligations can be accessed at www.nbaindia.org
- d) It is agreed that any intellectual property right(s) on the invention(s) arising out of the project shall be taken in accordance with the instructions and guidelines of the Department of Biotechnology. Please see www.dbtindia.gov.in for details.
- e) The Institute undertakes all needed financial and other management responsibilities of the project.
- f) The mentor will provide all necessary support to the awardee (those not in regular/permanent employments) as per the guidelines given in the IYBA notification.
- g) The institute will provide necessary facilities for carrying out the research by the IYBA awardee.

**Signature of mentor
with seal bearing name, designation
and affiliation**

**Signature of Competent Authority
Institute /University seal
Name, designation and
affiliation**

Steps for online Application Submission in ePromis



***N.B.** In case any difficulty faced in uploading application in epromis portal, please contact ePromis Administrator at epromis.dbt@nic.in*