

INNOVATIVE YOUNG BIOTECHNOLOGIST AWARD (IYBA)

1. Purpose

The Department of Biotechnology instituted the 'Innovative Young Biotechnologist Award' (IYBA) in the year 2005. This is an attractive, career oriented scheme 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 are considered for this award. Scientists without regular employment are also eligible for this award. The award consists of financial support for a proposed project besides a fellowship of Rs. 75,000/- per month for those awardees who are not in regular employment. Such awardees not in regular employment must be attached to a senior faculty scientist (mentor) in a University, Research Institute, Medical/Agriculture/ Veterinary College or any other research institute of repute. 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 employment will receive a cash award of Rs.1, 00,000/- (Rupees One Lakh Only) every year during the period of the project.

2. Eligibility

The applicant should have an excellent academic career and a track record of high impact peer reviewed publications or should have invented technologies evident by granted Indian and/or International patents. The proposed research project must be of very high scientific quality, should clearly reflect innovative thinking, clear objectives and execution methodology. The following **mandatory criteria** are needed for applications to be considered:

- i. The applicant should be an Indian Citizen.
- ii. The applicant should have secured First Class in all academic degrees from the graduate level onwards.
- iii. 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.
- iv. Cumulative publication of 6 as first or corresponding author **or** two granted Indian patents **or** one granted International patent.
- iv. Age limit: Up to a maximum of 35 years at the time of submission of the application. 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.

- v. 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 signed by the proposed mentor stating that all laboratory facilities will be provided for implementation of the proposed project must be provided. The application has to be forwarded by the head or duly designated competent authority of the host Institution or University.

3. Award

The award shall cover both non-recurring and recurring financial grants for performing and executing the innovative research plan proposed by the awardee. This includes equipment, computational and communication facilities, consumables, contingencies and travel will be covered as required for the research project. In addition a fellowship of Rs. 75,000/- per month will be admissible for awardees who 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.

4. Duration

The duration of the project will normally be for a period of three years subject to satisfactory progress. In cases where very significant and exciting results have been obtained that require further elucidation, the committee of experts can recommend the duration of the project to be extended by two more years and thus a maximum period of five years.

5. Mode of Selection

1. Eligible candidate must submit an application in the prescribed format.
2. The applications will first be screened for all prescribed mandatory requirements described in Paragraph 2. Applications without the mandatory requirements will be rejected.
3. All such applications that meet these mandatory requirements will have the proposed research project peer reviewed for innovative thinking as well as scientific originality and merit.
4. Projects that are recommended after this peer review will be short-listed and such applicants will be invited for making a scientific presentation. Each candidate will be given 20 minutes to make the presentation before the expert committee. Based on scientific merit the

expert committee may recommend up to a maximum of 25 such applications for the IYBA.

6. Review of progress of the Awardees

The expert committee will also be responsible to monitor the progress of the project, recommend additional requirements for the project and take necessary steps for mid-course correction wherever essential. The review will be done once every year. In case of unsatisfactory progress, the fellowship can be terminated and the decision of the Department of Biotechnology, Government of India, in this regard will be final. The selection committee will also decide about extension of the project beyond three years.

7. Presentation of the Awards

The awards are presented to the selected candidates at a formal function organized by DBT.

Government of India
Ministry of Science & Technology
Department of Biotechnology (DBT)

INVITES APPLICATIONS FOR THE
“INNOVATIVE YOUNG BIOTECHNOLOGIST AWARD” (IYBA)
FOR THE YEAR 2017

1. Description

The Department of Biotechnology instituted the 'Innovative Young Biotechnologist Award' (IYBA) in the year 2005. This is an attractive, career oriented scheme 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 are considered for this award. Scientists without regular employment are also eligible for this award. The award consists of financial support for a proposed project besides a fellowship of Rs. 75,000/- per month for those awardees who are not in regular employment. Such awardees not in regular employment must be attached to a senior faculty scientist (mentor) in a University, Research Institute, Medical/Agriculture/ Veterinary College or any other research institute of repute. 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 employment will receive a cash award of Rs.1, 00,000/- (Rupees One Lakh Only) every year during the period of the project.

Applications (2 copies) neatly printed on plain paper in the prescribed format along with enclosures & certified copies to be sent to Dr. Garima Gupta, Department of Biotechnology, Block-2, CGO Complex, Lodi Road, New Delhi – 110 003, so as to reach latest by 30th July 2017

A soft copy of the application must also be sent to Garima.g@nic.in Should there be a delay in obtaining mandatory certificates from mentors and head of institutes, an advance copy of the application can also be sent by email stating that two certificates will be submitted within 14 days of the last date.

For more details and application format, please visit DBT websites: <http://www.dbtindia.gov.in/iyba.htm> OR <http://www.btisnet.gov.in/iyba.htm>

Note: The final soft copy application should be in a MS Word file with all necessary attachments.

The details of the IYBA scheme are as under:

2. Eligibility

The applicant should have an excellent academic career and a track record of high impact peer reviewed publications or should have invented technologies evident by granted Indian and/or International patents. The proposed research project must be of very high scientific quality, should clearly reflect innovative thinking, clear objectives and execution methodology. The following **mandatory criteria** are needed for applications to be considered:

- v. The applicant should be an Indian Citizen.
- vi. The applicant should have secured First Class in all academic degrees from the graduate level onwards.
- vii. 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.
- viii. Cumulative publication of 6 as first or corresponding author **or** two granted Indian patents **or** one granted International patent.
- vi. Age limit: Up to a maximum of 35 years at the time of submission of the application. 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.
- vii. 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 signed by the proposed mentor stating that all laboratory facilities will be provided for implementation of the proposed project must be provided. The application has to be forwarded by the head or duly designated competent authority of the host Institution or University.

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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.

4. 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>		
PI Fellowship	Rs. 75,000 per month (x 12 = Rs. 9.00 lakhs/year)	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	Admissible only to awardees who hold regular permanent positions
Manpower (either one JRF or one SRF or one Project Assistant)	As per DBT rules	Qualifications for JRF and SRF are as per DBT rules. 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	Equivalent to the amount sanctioned for consumables by DBT for Ramalingaswamy Fellowship	
Contingency including Travel	Rs. 1,50,000 per year	
Overheads	As per DBT rules	

5. Duration

The duration of the project will normally be for a period of three years subject to satisfactory progress. In cases where very significant and exciting results have been obtained that require further elucidation, the committee of experts can recommend the duration of the project to be extended by two more years and thus a maximum period of five years.

6. Mode of Selection

5. Eligible candidate must submit an application in the prescribed format.
6. The applications will first be screened for all prescribed mandatory requirements described in Paragraph 2. Applications without the mandatory requirements will be rejected.

7. All such applications that meet these mandatory requirements will have the proposed research project peer reviewed for innovative thinking as well as scientific originality and merit.
8. Projects that are recommended after this peer review will be short-listed and such applicants will be invited for making a scientific presentation. Each candidate will be given 20 minutes to make the presentation before the expert committee. Based on scientific merit the expert committee may recommend up to a maximum of 25 such applications for the IYBA.

7. Review of progress of the Awardees

The expert committee will also be responsible to monitor the progress of the project, recommend additional requirements for the project and take necessary steps for mid-course correction wherever essential. The review will be done once every year. In case of unsatisfactory progress, the fellowship can be terminated and the decision of the Department of Biotechnology, Government of India, in this regard will be final. The selection committee will also decide about extension of the project beyond three years.

8. 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. 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.
-) A consent certificate from the head of the institution where the proposed research project will be conducted should be submitted while submitting the application. 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 accounts every 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.

9. Presentation of the Awards

Selected candidates will be intimated in writing as well as publishing the list on the DBT website. The awards would be presented to the selected candidates at a formal function organized by the DBT.

**DEPARTMENT OF BIOTECHNOLOGY (DBT)
APPLICATION FOR INNOVATIVE YOUNG BIOTECHNOLOGISTS
AWARD (IYBA)**

IYBA -2017

(Expand space wherever needed)

1.	<i>Full name</i>	
2.	<i>Date of Birth & Age as on 31st July 2017 (attach proof for age)</i>	
3.	<i>Gender (Please tick the relevant box)</i>	<input type="checkbox"/> Male <input type="checkbox"/> Female
4.	<i>Category</i>	<input type="checkbox"/> GEN PH <input type="checkbox"/> SC <input type="checkbox"/> ST <input type="checkbox"/> OBC <input type="checkbox"/>
5.	<i>Full postal address</i>	
6.	<i>Home Telephone</i>	
7.	<i>Work Telephone</i>	
8.	<i>Mobile</i>	
9.	<i>Fax</i>	
10.	<i>E-mail address</i>	

11. *Designation*

12. *Is this position a regular one or non-regular one?*

Regular Non-Regular

13. *Name of 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 postdoctoral work including institute where work was done, name & email ID of mentor and brief description (not more than 300 words) of work done.

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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. A. Total impact factor of publications:

B. Particulars of citation index of published work:

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 technologies 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

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26. Awards won

Awarding Agency or organization	Purpose	Nature of the award

27. Proposed research project

(a) Proposed start date

(b) Duration of support requested (Maximum of three years)

(c) Area of Research

(d) Project Title

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(e) Scientific details of research project

*The description must be confined to the following details: Introduction, Background to the problem, Working hypothesis, Methodology, Description of the innovative component in the proposal and Expected outcome. This description should not exceed **five pages***

(f) 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. 75,000 x 12) OR cash award Rs.1.00 lakh per annum				
(2) Manpower (1 JRF or SRF or PROJECT ASSISTANT)				
(3) Consumables				
(4) Contingencies and Travel				
(C) 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 positions)

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

29. Name of head of the organization or duly designated competent authority

Name	
Designation	

30. Any other information in support of your application

Attachments Needed

1. One copy of each publication mentioned in column 19 and 23.
2. One copy of award details mentioned in column 21 and 22.
3. Proof for date of birth.
4. Proof of SC/ST/OBC/PH of applicant (if applicable)
5. Proof for BSc, MSc, and PhD degrees.
6. Consent form from mentor (if needed) 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 should any deviation from this is detected and confirmed my application will be rejected or if this occurs after award, this will be withdrawn.

 APPLICANT
 DATE:

 SIGNATURE OF THE

NAME:

PLACE:

To be issued on Institution/University letter head

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) 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.
- d) The Institute undertakes all needed financial and other management responsibilities of the project.
- e) The mentor will provide all necessary support to the awardee (those not in regular employment) as per the guidelines given in the IYBA notification.
- f) The institute will provide necessary facilities for carrying out the research by the IYBA awardee.

**Signature of mentor
Name**

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