



## INSTITUTE OF BIOTECHNOLOGY & RESEARCH CENTER

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(Regd. Govt. of India; Registration Act, 1860 ISO 9001: 2008 Certified)

- ✓ Research (Life Science)
- ✓ B.Sc. Biotech
- ✓ Ph.D Assistance
- ✓ Training/ Projects

**Institute of Biotechnology & Research Centre**  
**Research/ Graduation/ Ph.D/ Training/ Projects**



**SESSION 2023-2024**



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**Creating Leaders Of Tomorrow Since last 17 yrs.....**

Building Foundation

Innovative Research

Degree Program



## Content:

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## *Welcome To IBRC AGRA*

*IBRC Agra* was established in May, 2006 with a focus to nurture the talent and place its students in MNCs.

In the first phase it was started with the aim to contribute the pivotal exchange of knowledge in the field of Biotechnology by providing the opportunity and encouraging the young and budding biotechnologists to learn about the practical techniques employed in various edges of Biotechnology such as, Molecular Biology, Immunology, Biochemistry, Bioinformatics and Microbiology. . IBRC has achieved enormous success in it as the students of this institute get jobs at higher positions in various biotech Companies and research institutes.

With the suggestion of Biotech Consortium India Limited (BCIL) and demanding nature of multi-national Biotech companies, this institute is now running various PG, undergraduates degree and diploma programs.

Institute of Biotechnology and Research Centre (IBRC) is committed for excellence in biotechnology. It is dedicated to educating teachers, students and the public about the promise and challenges of biotechnology. Through year-round programs, the Institute is creating a base of understanding and awareness about biotechnology among teachers and students -and building the next generation of leaders in the industry.

The mission of the Institute is to engage, excite and educate the public, particularly young people, about biotechnology and its immense potential for solving human health, food and environmental problems.

Working to educate the public, it supports the pursuit of lifelong learning about the promise, achievements, and challenges of biotechnology. Its focus is active support for teachers and students, especially in the Agra region, to pursue studies, training, and careers in biotechnology in the pre-college through graduate years.

The Institute of Biotechnology has the first and the only autonomous running lab in the whole U. P. region which is providing its facilities to the students of Life Sciences (Biotechnology, Microbiology, Biochemistry, Immunology, Zoology, Botany, etc.), research scholars and performs Molecular work for Ph. D enrolled scholars of various colleges.

Till date IBRC has excelled in trainings in Molecular Biology, Immunology, Biochemistry, Bioinformatics and Microbiology. It has also conducted various short-term training programs for UG and PG students and has accomplished long term projects for the partial fulfillment of degrees. IBRC has also assisted Ph. D Work of various Ph. D. scholars. Over a dozen of our students have been placed in various Companies and Industries.





## *Vision , Mission, Values*

### *Vision*

*Our aim is to help the young aspirants to make their dreams come true through quality teaching, technology enabled systems and commitment.*

### *Mission*

*Our Mission is to create an environment of academic excellence enabled by modern pedagogy & technology to impart quality education.*

### *values*

*Shape –It*

*Student First*

*Hard work*

*Accountability*

*Passion*

*Employee care*

*Integrity*

*Teamwork*

## *Department of Biotechnology*

Biotechnology is one of the emerging career fields in India. Food Technology, Nutrition, Medicines, Healthcare, Forensic Sciences are some of the fields of Biotechnology. The scope of Biotechnology is wide and offers opportunities in the field of both research and engineering.

India is soon to be a hotspot for Biotech Industry. It is estimated that Biotech sector in India is estimated to grow by 30.46 percent CAGR by 2025 and, India is among the top 12 biotech destinations in the world and ranks third in the Asia-Pacific region. Biotechnology is a promising field that can bring about appreciable changes in agriculture trends, food productions and, healthcare.

Biotechnology is a broad field. From using yeast in the production of bread to evidence like hair, skin or blood scrutinized by Forensic Scientists, all are an application of the glorious field of Biotechnology. A course in Biotechnology enables you to make your contribution for the benefit of humankind.

### **CAREER PATHS IN BIOTECHNOLOGY**

- \* Agricultural Engineer. Many people don't think of farming as being sophisticated....
- \* Animal Scientist....
- \* Biochemist and Biophysicist....
- \* Biomedical Engineer....
- \* Epidemiologist....
- \* Food Scientist and Technologist....
- \* Microbiologist.....
- \* Soil and Plant Scientist.

## *Our Departments*

***Molecular Biology***

***Proteomics***

***Immunology***

***Plant Tissue Culture***

***Medical Microbiology***

***Industrial Microbiology***

***Bioinformatics***

➤ *Course Offered*

*B.Sc. BIOTECHNOLOGY (3 YRS, SEMESTER WISE)*

*Eligibility : 12<sup>th</sup> pass out Biology with minimum 55%*

*Fee: Rs. 35000/-*

➤ *Certificate skill development program: (15 days to 1month)*

**Eligibility:** M.Sc. / B. Sc. (Life Sciences) / M. Pharma / B. Pharma / B.Tech (Biotech)

**Fee:** Rs. 10,000/- to 15,000/- respectively

- *Molecular Biology*
- *Recombinant DNA Technology*
- *Proteomics*
- *Immunology*
- *Plant tissue culture*
- *Basic Microbiology*
- *Medical Microbiology*
- *Industrial Microbiology*
- *Bioinformatics*





## Programs for 2 Months

<b>Course</b>	<b>Subjects</b>	<b>Eligibility</b>	<b>Fees</b>
<i>Advance techniques in Biotechnology</i>	<i>Molecular Biology Proteomics Recombinant DNA Technology, *(Immunology/ Plant tissue culture)</i>	<i>M.Sc. / B. Sc. (Life Sciences) / M. Pharma / B. Pharma / B.Tech (Biotech)</i>	<i>Rs. 25,000/- only</i>
<i>Advance techniques in Molecular Biology</i>	<i>Molecular Biology Proteomics Recombinant DNA Technology</i>	<i>M.Sc. / B. Sc. (Life Sciences) / M. Pharma / B. Pharma / B.Tech (Biotech)</i>	<i>Rs. 25,000/- only</i>
<i>Advance techniques in Microbial Biotechnology</i>	<i>Basic Microbiology Medical Microbiology Industrial Microbiology</i>	<i>M.Sc. / B. Sc. (Life Sciences) / M. Pharma / B. Pharma / B.Tech (Biotech)</i>	<i>Rs. 25,000/- only</i>



➤ *Some of Our Beneficiaries*

Colleges	Universities
RCS memorial Degree College, Fathepur sekri road, Agra.	Amity University Noida.
Janta college, Bakewar	Banasthali vidhya peeth University , Tonk, Rajasthan
Agra college Agra	VIT University Vellore
R.B.S College Agra	Aligarh Muslim University, Aligarh
St. Johns College agra	Dayalbagh University, Agra
Dr. MPS college Agar	Jaipur National University, Jaipur
Krishna Degree college, Agra	Jiwaji University, Gwalior
Anand Engg. college , Keetham, Agra	Punjab Technical University, Punjab
Hindustan college Farah Mathura	Mnaglaytan Universty, Beswan, Mathura-Aligarh Highway.
College of Life science Cancer hospital , Gwalior	Govind Ballabh Pant University of Agriculture & Technology, Pantnag
A.N. College, Patna	Tamil Nadu Agricultural University, Coimbatore
Devi Ahilya Vishwavidyalaya , Indore	Kurukshetra University (Haryana)
Hindustan College of Arts, Coimbatore, Tamil Nadu.	Guru Nanak Dev University, Amritsar
I.P . College Bulandshahr.	Annamalai University, Tamil Nadu
Dolphin Instt. Of Biomed &Nat. Sc. Dehradun	Anna University of Technology, Tiruchirapalli
Amity Education Valley, Manesar, Gurgaon.	Ranchi University, Ranchi., Jharkhand
I.I.M.T. Aligarh.	Bundelkhand University, Jhansi

➤ *Last 17 yrs track record*

*Conducted 1 month awareness Training Program on Biotechnology & Bioinformatics organized by MSME (Govt. of India, Ministry of Micro, Small & Medium Enterprises) Agra. (2009)*



*Organizer in Training on “Harnessing Drugs from Medicinal Plants , Vaccine Design & their Manufacturing” Jointly conducted by Chimera Gentec Pvt. Ltd. & World Healthal Trust, DSIR Certified & BCIL Registered, March 2014.*

- *Organized and Conducted workshops on Biotechnology with Various Colleges of Agra Region.*
- *Having collaboration with some of the Universities.*



# Placement Support

- At last but not the least we feel very proud when we look back in our past what we had achieved is that more than 90% our students and Research scholars are empowered and enlightened at higher positions in various Pharma Industries, Research Institutes, Biotech. Companies and Colleges Nationally as well as Abroad.



## ➤ *Our Alumni*

I have a keen interest in research and IBRC is the only place which has given me the opportunity to work in a field I always wanted to. It has taught me that the talent is not what you achieve but what you find in yourself. I have learned a lot from IBRC. I worked in IBRC.

**Anurag Chandra**  
B.Tech. Biotechnology  
F.E.T. R.B.S. College, Bikaner



Everyone who wants to do something extra-ordinary could have no better place other than IBRC than anywhere else. Everyone who is trained over here is taught all the basics and every little bit of things that could help us to achieve our goals.

**Sachin Kumar**  
B.Tech. Biotechnology  
F.E.T. R.B.S. College, Bikaner



Training in IBRC was a great experience. It has all the facilities required for a Biotech Lab. The instructors are very helpful. The best part is that we can do the practical by our own hands which help us to understand the practicals better.

**Nishita Singh**  
B.Tech. Biotechnology  
Allahabad Agricultural  
Deemed University, Allahabad



IBRC possesses all the apparatuses and facilities required for practical in Biotechnology. Moreover, teachers give special attention to the problems of each and every student as compared to other Institutes. The training at IBRC has vastly increased my knowledge and interest in the biotechnology field.

**Bhanu Pratap**  
M. Sc. Biotechnology  
Janta College, Bakewala



IBRC possesses a very nice and highly efficient teaching staff. The infrastructure is good for a biotechnology lab. It has all the necessary equipments and chemicals for all the experiments of Biotechnology, Microbiology, Immunology, etc. The teachers have a frank and cooperative behavior towards the students which create a healthy learning environment.

**Rajesh Kumar**  
B. Tech Biotechnology  
National Institute of Aeronautical Science (ALPINE), Prem Nagar, Indore



I'm thankful to IBRC for providing such good facilities and increasing my knowledge, as this lab is not only beneficial for the students of B.Sc. or B. Tech Biotechnology from Agra but also of the near by areas where there is a lack of practical knowledge in colleges and there is no other such facilities available anywhere.

**Kamran Khan**  
M. Sc. Biotechnology  
S. S. Institute, Namnagar





The labs at IBRC are well-equipped & well-maintained. The way of teaching is very good. All confusions are cleared in a very easy manner. Discussions during and after the classes increase our knowledge and help us to understand things better.

**Divyanka Kulkarni**

M. Sc. Biotechnology

R.B.S. College



Training at IBRC has increased my knowledge in the field of biotechnology. I have collected more valuable information about the techniques of Molecular Biology & Immunology which I'm sure, will be beneficial for my future. The faculty is very helpful and co-operative.

**Seema**

M. Sc. Microbiology

J. C. Mills PG College

Jiwaji University



The infra structure of IBRC is very good and the lab are very well designed. The instruments are properly maintained appropriately. The teachers maintain cordial relationship with the students. The training in Bioinformatics which is an advantage to the students as it is usually not available at most of the places.

**Yuvraj Bhambhani**

B. Tech Biotechnology

Institute of Engineering & Technology, Khandwa



### ➤ *List of Top Biotech. Companies*

- 1. Biocon, Bangalore, Website: [www.biocon.com](http://www.biocon.com)
- 2. Serum Institute of India, Pune, Website: [www.seruminstitute.com](http://www.seruminstitute.com)
- 3. Panacea Biotech New Delhi, Website: [www.panacea-biotech.com/](http://www.panacea-biotech.com/)
- 4. Piramal Healthcare, Mumbai, Website: [www.piramalhealthcare.com/](http://www.piramalhealthcare.com/)
- 5. Wockhardt Limited, Mumbai, Website: [www.ockhardt.com](http://www.ockhardt.com)
- 6. GlaxoSmithKline, Mumbai, Website: [www.gsk-india.com/](http://www.gsk-india.com/)
- 7. Bharat Serum, Mumbai, Website: [www.bharatserums.com/](http://www.bharatserums.com/)
- 8. Krebs Biochemicals and Industries Limited, Hyderabad, Website: [www.krebsbiochem.com](http://www.krebsbiochem.com)
- 9. Zydus Cadila, Ahmedabad, Website: [www.zyduscadila.com/](http://www.zyduscadila.com/)
- 10. Indian Immunologicals, Hyderabad, Website: [www.indimmune.com/](http://www.indimmune.com/)
- 11. Monsanto Biotech, Mumbai, Website, <http://www.monsantoindia.com/>
- 12. Rasi Seeds, Attur (TN), [www.rasiseeds.com](http://www.rasiseeds.com)
- 13. Venkateshwara Hatcheries, Pune, [www.venkys.com](http://www.venkys.com)
- 14. Novo Nordisk, Bangalore, <http://www.novonordisk.co.in>
- 15. Indian Immunologicals, Hyderabad, [www.indimmune.com/](http://www.indimmune.com/)
- 16. TransAsia Biomedics, Mumbai, [www.transasia.co.in/](http://www.transasia.co.in/)
- 17. Praj industries, Pune, [www.praj.net](http://www.praj.net)
- 18. Astrazeneca India, Bengaluru
- 19. Sisco, Care Biomedicals, Bengaluru
- 20. Dr. Reddy's Laboratories, Hyderabad
- 21. Brainwave Bioinformatics, Chennai
- 22. Bangalore Genei, Bengaluru
- 23. Centre for Cellular and Molecular Platforms, Bengaluru



- **24.GVK Biosciences, Hyderabad**
- **25 Indian Immunologicals Limited, Hyderabad**
- **26.Intas Biopharmaceuticals, Ahmedabad**
- **30.Nuziveedu Seeds Private Limited, Hyderabad**
- **31.Reliance Life Sciences, Navi Mumbai**
- **32. Shantha Biotechnics, Hyderabad**
- **33.Strand Life Sciences, Bangaluru**
- **34. VAV Life Sciences pvt ltd, Mumbai**
- **35.Morepen Laboratories Ltd., Delhi**
- **36. MMG Health Care Pvt. Ltd., Himachal Pradesh**
- **37. Skymap Pharmaceuticals Ltd., Nalheri, Uttarakhand**
- **38. Cadila Healthcare Ltd., Ahmedabad**
- **39. Lupin Healthcare Ltd., Ankleshwar, Gujarat**
- **40. Avesthagen pharma, Bangaluru**