



MICROBIOLOGY/BIOTECHNOLOGY

B.Sc.

All Govt jobs

Project Assistant
Junior Technician
Lab Technician
lab Assistsant
SSC
Banks
Railways
PSC's(RAS)
UPSC (IAS)
B.Ed. (School teachers) etc

Jobs in Private Industry

Project assistant
Junior Technical Assistant

Post Graduation

M.Sc.

Higher Education

PhD

Fellowships
CSIR/UGC
DBT
ICMR
Inspire Fellowship (DST)
Women Scientists (DST)
Tata Memorial Trust
TWAS-NRF Doctoral
Government of India and South Africa's
National Research Foundation (NRF), with
The World Academy of Sciences (TWAS
DAAD - Germany
Common Wealth UK)
Others

PDF (Post Doctoral Fellow)

Research Institutes/
Universities of
India, US, UK, Germany,
Europe, Australia, Japan,
Korea, Canada etc

Govt Jobs

Forensic Department
Railways
Water Board
Technical assistant in
Research Institutes /IIT's
Bureau of Indian Standards
(BIS)
Food safety and Standards
Authority of India (FSSAI)
Dairy
B.Ed. (I grade , KV School
Teachers) etc
others

Private Jobs - Industries

Pharma

Alembic
Biocon
Cipla
Torrent
Sun Pharma
IPCA
Dr Reddy's
Zydus Cadilla
Eli Lilly
Panacea Biotec
Reliance lifescience
Serum India
Bharat Biotech
Dabur
Patanjali

Food

Nestle
Cadburys
Britannia
Parle Agro
Bikaji
Haldiram
Amul Dairy
Mothers Dairy
TATA
Marico

Beverages

Mineral water
Soft drinks
PepsiCo
Coca cola
Beer Industry
Alcohol
Juice industry
Wine industry

Enzyme Industry

Organic Acid Industry
Leather Industry
Agriculture

Central Institutes

IISC. Banglore
NII, New delhi
CDRI, Lucknow
ITRC, Lucknow
CCMB, Hyderabad
NBSC, Pune
ICGEB, New Delhi
CDFD, Hyderabad
NCL, Pune
NIV, Pune
BIT'S
CIMAP, Lucknow
National Forensic Institute,
Calcutta
All IIT's
Central Universities

Position

Govt/Private

Professors in Universities, Colleges
Scientists in Research labs
Research Associates in research Labs
Senior Scientific officer in Forensic Lab

Career in Biotechnology: Scope and opportunities

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Biotechnology has emerged as one of the most popular career options among youngsters who want to explore the modern aspects of science. The demand for skilled biotechnologists is high in industrial sectors like food, textiles, pharmaceutical, agriculture, animal husbandry etc.

Biotechnology is a combination science of biology and technology and used to make products useful to mankind. The scope of Biotechnology has expanded to diverse sciences like immunology, virology and other subjects like health, agriculture, cell biology, plant physiology, seed technology, etc.

The job of a biotechnologist is to modify or manipulate living organisms in laboratories to develop new products. A biotechnology graduate can be employed across several industries as biochemists, biophysicists or medical scientists.

Career scope in Biotechnology

Today we see amazing discoveries, new applications and innovative products on the market every day. The demand for biotechnologists is very high in various segments like industrial sector, environmental sector, medical sector, food manufacturing, health-care and pharmaceuticals. A biotechnologist can choose to specialise in one or more subfields like genomics, proteomics, and bioinformatics.

Career opportunities for Biotechnologists

A biotechnologist can work on vast disciplines and their demand is very high in various sectors such as:

- **Healthcare**
- **Medicine**
- **Pharmaceutical**
- **Agriculture**
- **Animal husbandry**
- **Genetic engineering**
- **Environmental conservation**
- **Soil biology**
- **Ecology**
- **Textile industry**
- **Cosmetics**

Job profiles of a biotechnologist

- **Medical scientists**
- **Biological technicians**
- **Medical and Clinical Lab Technologists & Technicians**
- **Biochemists and Biophysicists**
- **Biomedical Engineers**
- **Microbiologists**
- **Epidemiologists**
- **R&D and Process Development Scientists**
- **Biomanufacturing Specialists**
- **Bioproduction Operators**