

# SHUBHAM YADAV

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## Career Objective

To acquire advanced knowledge in my concern, seeking a challenging career where my academic excellence will add value towards organization and personal growth. Seeking career in an innovative and growing organization having an ambience that encourages spontaneous learning and which provides exposure to new technologies in order to achieve professional growth and develop my skills.

## Educational qualifications

Passing Year	Degree/Certificate	Institution	Score
May, 2021 - Present	Master of Technology in Biotechnology	Dr. B. R. Ambedkar National Institute Of Technology (NITJ), Jalandhar, Punjab, India	6.9 CGPA
May, 2019	Bachelor of Technology in Biotechnology	Rama University Kanpur, Uttar Pradesh, India	81%
May, 2014	XII	Bhagwan G B I C, Chambaltara, Jaunpur, Uttar Pradesh, India	72%
June, 2012	X	S.V.M. Barinath, Jaunpur, Uttar Pradesh, India	83%

## Skills

Technical skills	Interpersonal skills
RNA isolation.	Helpful.
DNA and RNA isolation.	Patient.
Polymerase Chain Reaction (PCR).	Problem Solving.

SDS-PAGE.	Team-leader.
Transformation.	Management.

## Project

**B.Tech Project Title:** Comparative analysis of Bioethanol produce from *Escherichia coli* and it's Co-culture(*S. cerevisiae*) using food waste.

Outline: valorization of food waste has attracted increasing interest, with biogas, hydrogen, ethanol and biodiesel as final products. I also used Co- culture of *Saccharomyces cerevisiae* and *E. coli* culture for the production of bioethanol from waste food. Co- culture was able to produce ethanol from food waste and the concentration of ethanol production was higher than bioethanol produced by *Saccharomyces cerevisiae* or *E. coli*.

**M.tech Project Synopsis:** Waste water treatment using algal biofilm and its co- culture.

## Trainings

Training institute	Duration	Designation
Sanjay Gandhi Post Graduate Institute of Medical Science, Lucknow	45 days	As Trainee
Chaperon Biotech Pvt. Ltd. Kanpur, U.P, India	45 days	As Trainee

### Training Description:

**During my industrial training in SGPGIMS,** I have done my training on **Duchenne muscular dystrophy (DMD)**. DMD is a genetic disorder characterized by progressive muscle degeneration and weakness due to the alterations of a protein called dystrophin that helps keep muscle cells intact. For the detection of DMD, I used Multiplex Ligation-Dependent Probe Amplification. **MLPA** is used to detect copy number changes of small DNA fragments. This technique is most often used to assay individual exons of genes.

### Additional Training Description:

Chromatography and Polymerase chain reaction (PCR), Microbial techniques, total protein isolation, estimation and enzyme assays, SDS-PAGE, Western blotting, restriction digestion, ligation and transformation, cloning and gene expression, DNA/RNA isolation and analysis, gel electrophoresis, southern/northern blotting, Fermentation, Downstream processing.

## Extra-Curricular Activities

- Active participation in singing competition in Manthan 2016 and Rama Fest 2017.
- Participated in ENIGMA presentation program.
- Qualified the exam of **UP-CATET 2019**
- Participated in **events\_ecell** organised by **IIT Madras** on the topic **PLANdemic**.

## Computer Skills

Operating Systems : Windows7, 8, 10  
Applications : MS Word, MS Excel, MS Power Point.

## Personal information

Date of Birth : 20 Sep 1997  
Father's name : Mr. Ratan Kumar Yadav  
Languages Known : English, Hindi  
Permanent Address : Pachhatiya, Sheetla Chukiya, Sadar, Jaunpur, 222001

## Declaration

I, SHUBHAM YADAV, hereby declare that the information provided above is correct to my knowledge.

Date:

**SHUBHAM YADAV**