

Shubham Bansal

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Education

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| 2016-18 | Indian Institute of Technology, Kharagpur Master of Technology, Biotechnology and Biochemical Engineering | 8.96/10 |
| 2012-16 | Amity University, Noida Bachelor of Technology, Biotechnology | 8.39/10 |
| 2012 | XII th Central Board of Secondary Education | 86% |
| 2010 | X th Central Board of Secondary Education | 9.4/10 |

Work Experience

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| Jul'19-Present | Executive, Intas Pharmaceuticals Ltd. (Biopharma Division) , Ahmedabad <ul style="list-style-type: none">• Involved in microbial upstream processing in manufacturing area for commercial production of Filgrastim and Romiplostim as a Biosimilar along with QMS and cGMP documentation for EU, Canadian and Indian market.• Involved in introduction and implementation of E-BMR (Electronic Batch Manufacturing Record) in the manufacturing area.• Felicitated with Certificate of Achievement- Avengers Award for creation, implementation and execution of commercial batches in the EBMR |
| Jul'18-Jun'19 | Trainee Executive, Intas Pharmaceuticals Ltd. (Biopharma Division), Ahmedabad <ul style="list-style-type: none">• Involved in microbial upstream processing in manufacturing area for commercial production of Filgrastim as a Biosimilar along with QMS and cGMP documentation for EU and Canadian market.• Felicitated with Certificate of Recognition- Spot Award for the contribution in the manufacturing process. |

Certifications

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| Jun'20 | Creating Dashboards and Storytelling with Tableau by University of California, Davis |
| Jun'20 | Essential Design Principles for Tableau by University of California, Davis |
| May'20 | Fundamentals of Digital Marketing by Google Digital Garage |
| May'20 | What is Data Science by IBM |
| Apr'20 | Visual Analytics with Tableau by University of California, Davis |
| Apr'20 | Fundamentals of Visualization with Tableau by University of California, Davis |
| Jan'20 | Google Analytics for Beginners by Google Analytics Academy. |
| Nov'17 | Cell Culture Technologies (Elite+Gold) by NPTEL |
| Oct'17 | Biomedical Nanotechnology (Elite+Gold) by NPTEL |

Projects and Internships

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| Jul'17-Apr'18 | Cloning and expression of <i>Anthereae mylitta</i> cytoplasmic polyhedrosis virus segment 3 (AmCPVS3) in <i>Drosophila</i> S2 cell line. Guide: Dr. Ananta Kumar Ghosh IIT Kharagpur, West Bengal <ol style="list-style-type: none">1) AmCPVS3 cDNA was cloned into <i>Drosophila</i> expression vector pMT/BiP/V5-HisA.2) <i>Drosophila</i> S2 cells were transfected with the recombinant construct using Calcium phosphate |
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and **CellFectin** based methods.

3) Protein expression was then checked using **PCR** and **Western blot** analysis

Feb-Apr'16

Refolding of DTT-induced aggregation of HSA using Beta-cyclodextrin

Guide: Dr. Sadaf Fatima | Jamia Millia Islamia, New Delhi

1) Reviewed the role of aggregation in **neurodegenerative diseases**.

2) Analyzed DTT-induced aggregation of HSA spectrophotometrically .

3) Beta-cyclodextrin nanoparticles (**146.4nm**) were prepared to prevent aggregation of HSA and further promoting its refolding by **56.3%**.

Jun'15

Biodiesel: Extraction of oil from seeds of *Jatropha curcas*, conversion to biodiesel and its qualitative analysis.

Guide: Dr. Manoj Kumar Upadhyay | Biotech Park, Lucknow

1) Crude oil was extracted from the seeds of *Jatropha curcas*

2) Following qualitative analysis of crude oil, Biodiesel was prepared by **Transesterification reaction**.

3) Biodiesel was characterized and the physical properties were found to be within the specified **standard limits**

May-Jun'14

Decolourization of Textile Dyes by Laccase from *Ascochyta* species

Guide: Dr. Pranita Roy and Dr. Arti Goel | Amity Institute of Biotechnology | Amity University, Noida

1) **Optimized production** of Laccase from *Ascochyta* species.

2) Synthetic and textile dyes were **decolourized** by the enzyme under optimized conditions.

3) Textile dyes were decolourized by **90%** after **24 hours** of incubation with the enzyme.

Technical Skills

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| Software Tools | Snappgene MS Office (Word/ Excel/ PowerPoint) Tableau |
| Languages | C Python SQL |
| Laboratory Skills | Microbial/ insect cell culture Transfection Molecular cloning |

Honors and Awards

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| 2016 | AIR 19 in GATE Biotechnology |
| 2010 | Participated in Zonal Inter-school volleyball tournament at Junior level. |
| 2008 | Felicitated with Student of the Year award by The Times of India |
| 2005 | Awarded with the Certificate of Proficiency, 9th kyu Orange belt by Tenshinkan Karate Federation-India. |
| 2003 | Won Silver Medal in XIIth National Karate Championship. |
| 2002 | Won Gold Medal in First All-Delhi Inter School Martial Art Tournament. |

Additional Information

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| Languages | English Hindi |
| Personal Traits | Learning Attitude Self Motivation Open to Responsibilities |