

## Faculty Profile

### 1. Basic Information

Name: Payal Sachin Mishra

Designation: Assistant Professor

Department: Biotechnology

Email ID: payalmishra7695@gmail.com

Contact Number: 9594118699

### 2. Educational Details

B.Sc. Biotechnology, ICLES' Motilal Jhunjhunwala College, Vashi, University of Mumbai (2016)

M.Sc. Bioanalytical Sciences, G. N. Khalsa College, Matunga, University of Mumbai (2018)

### 3. Areas of Interest / Specialization

Molecular Biology, Immunology, Cancer Biology, Bioanalytical Sciences, Cell Culture Techniques, Clinical Research, Drug Discovery and Development

### 4. Teaching Experience

8 Years

### 5. Research Experience

Bioanalytical Method Development & Validation for Estimation of Drug in Human Plasma (Accutest Research Laboratories Pvt. Ltd.)

Evaluation of Anti-cancer Properties of Lakadong Curcumin in Triple Negative Breast Cancer (TNBC) and Pancreatic Cancer Cell Models

### 6. Publications

Preparation of Vitamin B12-Enriched Curds: A Novel Approach to Address Nutritional Deficiency in Vegetarian Populations (2025)

Authors: Brijmohan Singh, Payal Sachin Mishra, Shristi Singh

Conference Papers: Nil

Books / Book Chapters: Nil

Patents / IP: Nil

### 7. FDPs / Workshops / Seminars Attended

Patent Claim Drafting Workshop (2017)

Advanced Biophysics Techniques Workshop (2016)

The Future Research Scientist in the Age of AI & Big Data (2020)

Data Science Approaches for Genomics & Pandemics (2020)

## Functional Precision Cancer Medicine Symposium (2024)

### Webinars:

Drug Discovery from Medicinal Plants  
COVID-19: Consideration for Vaccines  
Research Ethics and Plagiarism Control  
Nanomaterials for Human Safety and Environment  
Role of Industry in Development of Academics

### Additional Information

#### Online Courses:

Influenza – A Case Study  
Gene Therapy  
Gene Testing  
Digital Forensics

#### Achievements:

GRE Score: 291/340  
IELTS Band: 6.5  
Qualified PET Ph.D. Examination (2019)  
Avishkar Research Convention Participant (2016)

### 8. Conferences / Workshops Organized

Not Mentioned

### 9. Awards / Recognitions

Qualified PET Ph.D. Examination (2019)  
Avishkar Research Convention Participant (2016)

### 10. Membership in Professional Bodies

Not Mentioned

### 11. Administrative Responsibilities

Student project guidance, laboratory management, research support, documentation, and teaching responsibilities.