

# RIDDHI JAIN

## CONTACT DETAILS

 312-774-6181

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## PROFILE

- Good laboratory experience
- Knowledge of microbiological techniques like plating, streaking, Gram staining; molecular techniques like PCR, AGE, HPTLC, spectrophotometer
- Proficiency- Food Microbiology, Food Process Engineering, Food Analysis, Food Packaging, HACCP, Food Fermentation, Immunology, Biostatistics, GMOs, Industrial technology, IPR and biosafety
- Good knowledge of writing thesis/literature review, interpreting data/ results, decision-making
- IFT member (Institute of Food Technologists)

## COMPUTER SKILLS

- Operating systems: Microsoft's Window
- Software known: MS Office, Adobe Premiere CC, Adobe Illustrator, Autodesk Maya, Mega 7.

## EDUCATION

- **ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, IL, USA (GPA-3.33/4)**  
08/2019 – Expected in 05/2021  
Master of Food Safety and Technology
- **UNIVERSITY OF MUMBAI, INDIA (GPA-9.01/10)**  
10/2017 – 07/2019  
Master of Science- Biotechnology
- **UNIVERSITY OF MUMBAI, INDIA (GPA-6.04/7)**  
06/2014- 07/2017  
Bachelor of Science- Biotechnology

## ACHIEVEMENTS AND CO-SCHOLASTICS

- Certified by **FSPCA** Preventive Controls for Human Food and **HACCP** planning and implementation (May, 2020)
- Certified by **FSSAI** (Food Safety and Standards Authority of India) for FoSTaC (Food Safety Training and Certification) training held at Equinox Training Center (April, 2019).
- Published **70 nucleotide sequences** in GenBank on NCBI (National Center for Biotechnology Information) (December, 2018)

## WORK EXPERIENCE

- **INSTITUTE FOR FOOD SAFETY AND HEALTH (IFSH), Chicago, USA- STUDENT ASSISTANT (11/2019- Present)**
  - ✓ Working as a **Media prep technician**
  - ✓ Prepare various microbiological medias required by **IIT and FDA scientists** for their projects.
  - ✓ Responsible for collecting and stocking up the supplies required by the laboratory.
  - ✓ Conduct environmental sampling and testing of ambient air, conductivity of water, maintenance of pH meter
  - ✓ **Quality control** and assurance is checked, records are maintained, autoclave sterility is checked.
  - ✓ Follow safety policies and maintain good housekeeping in work area.
- **NATIONAL FACILITY FOR BIOPHARMACEUTICALS (NFB), MUMBAI, INDIA- TRAINEE (11/2018–04/2019)**
  - ✓ Performed a thesis project namely “**DNA Barcoding, phytochemical evaluation and phylogenetics of Euphorbia milii**” which was granted by Department of Biotechnology (DBT), India.
  - ✓ It involved techniques like **PCR, HPTLC, spectrophotometer** and study on microbial activities.
  - ✓ **DNA sequences** were determined and submitted in **GenBank** (NCBI). Based on the sequences, phylogenetic trees were also determined.
- **NATIONAL FACILITY FOR BIOPHARMACEUTICALS (NFB), MUMBAI, INDIA – ASSISTANT (04/2018–03/2019)**
  - ✓ Assisted in DBT sponsored group project titled “**Taxonomic evaluation using pollen grains sculpture and seed coat characters of genus Euphorbia from Western Ghats of India**” received under DBT’s program “**Proposal for the use of FOLDScope as a research tool**” funded by Department of Biotechnology, Ministry of Science and Technology, Govt. of India.
  - ✓ This project involved hunting for samples in various parts of Western Ghats of India, like, trees, flowers, leaves, microorganisms from river/lake, pollen grain, staining them with various dyes and observing them under Foldscope.
- **V. G. VAZE COLLEGE OF ARTS, SCIENCE AND COMMERCE, MUMBAI INDIA- STUDENT (12/2016–01/2017)**
  - ✓ Worked on a final year group project “**Analysis of phytochemicals and antioxidant properties of Cucumis melo (Muskmelon).**”
  - ✓ Aim was to analyze phytochemical and antioxidant activity of its skin and seed using phytochemical tests and DPPH assay.