

Lok Priya Siddharth

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Gorakhpur – 273003, Uttar Pradesh, India

Academics:

Bachelor Of Science: St. Andrew's College Gorakhpur (U.P) - 273001, India

Year: 2018-2021 **Percentage:** 61.8%

Branch of study: Chemistry, Botany and Zoology

Master Of Science: Deen Dayal Upadhyaya Gorakhpur University (DDUGU)
Gorakhpur (U.P) – 273009, India

Year: 2021-2023 **CGPA:** 8.4

Branch of study: Biotechnology

Master's Thesis: *In Silico* Characterization And Molecular Phylogeny Of Cp Of
Potato Virus Y(PVY) In India: Relevance To Global Genetic
Diversity And Population Structure

Duration: 6 Months **Location:** DDUGU Gorakhpur

Under supervision of: Prof. Dr. Rajarshi Kumar Gaur

Main objectives of this Thesis were:

- 1.) Comparative analysis of Potato Virus Y in three prominent potato producing country – USA, Russia and India.
- 2.) Main proteins involved in the Transmission and Infection.
- 3.) Use of various Bioinformatic tools in analysis.

Skills:

- 1.) Sequence data retrieval from NCBI.
- 2.) Using Bioinformatic tools like –
 - MEGA-X (Molecular Evolutionary Genetic Analysis)
 - Splits Tree Software
 - RDP 4 (Recombinant Detection Program version 4)
 - DNA Sequence Polymorphism Software (DNAsP)

- HyPhy (Hypothesis testing using Phylogenies)
- DataMonkey Software
- BEAST (Bayesian Evolutionary Analysis by Sampling Trees)
- 3.) Basic lab equipment handling
- 4.) Basic Microbial techniques.

Training and Webinars:

- 1.) One day Webinar on Molecular Cloning.
- 2.) One day Webinar on Nano biosensors.
- 3.) One day Webinar on Stem cell and Gene therapy.
- 4.) One day Webinar on Online resources for Immunology.
- 5.) One week online basic course on Biomedical research.

Certificates:

- 1.) Certificate of participation in webinar on Latest research in Applications of Green Nano materials, Molecular Spectroscopy & study of Organometallic compounds.
- 2.) Certificate of participation in webinar on Higher study opportunities & latest research in Nanomedicine application, Neutrophil Inflammation & Micro-Electro Mechanical Systems.
- 3.) Certificate of participation in GBU Ideathon.
- 4.) One year Diploma course in Data Base Management Sysytem (DBMS) with “A” grade.
- 5.) First prize in Computer Science quiz competition.
- 6.) Diploma in Biotechnology certificate with “A” grade.
- 7.) One year Diploma in Industrial Chemistry with “B+” grade.

Extra-curricular activities:

- 1.) National Service Scheme (NSS) cadet from 2018-2020.
- 2.) Professional football player (Inter school competitions and State level qualifiers).
- 3.) Volunteered for Blood donation campaign at NSS camp.
- 4.) Volunteered for cleaning campaign held at Government Hospital, Gorakhpur.

5.) Volunteered for cleaning campaign held at Vishnu Mandir, Gorakhpur.