

BHUMIKA GUPTA

Masters of Technology Biotechnology

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Personal Details:

Father's Name: Mr. P.P. Gupta

Mother's Name: Mrs. Neema Gupta

Date of Birth: 18th Dec 1990

Address: 14/137, RGCSM Computer
Centre, Achal Tal, G.T. Road
Aligarh (UP) - 202001

CAREER OBJECTIVE

To work in an environment where my skills and knowledge would be utilized to the fullest and contribute positively to the growth of the organization.

WORK EXPERIENCE

- Worked as a Senior Research Fellow at CSIR - National Physical Laboratory, New Delhi, on a project entitled "Infrared spectroscopy study for tumor diagnosis Phase II" (April 06, 2015 – June 10, 2016)

EDUCATION

Professional Qualification:

- 2014 - M. Tech Biotechnology from Amity University, Noida with 78%
- 2012 - B. Tech Biotechnology from Banasthali University, Rajasthan, with 75%

Academic Qualifications:

- 2008 -12th from CBSE BOARD with 63%
- 2006- 10th from CBSE BOARD with 72%

KEY SKILLS

- 1) **Spectroscopic Techniques**
 - ✓ FT-IR Spectroscopy
 - ✓ UV-Vis Spectroscopy
 - ✓ Circular Dichroism
- 2) **Recombinant DNA Technology**
 - ✓ PCR
 - ✓ Cloning
- 3) **Bio analytical Techniques**
 - ✓ Electrophoresis (SDS-PAGE & Agarose gel)
 - ✓ Chromatography (HPLC)
- 4) **Bioinformatics**
 - ✓ BLAST
 - ✓ FASTA
 - ✓ Primer Designing
 - ✓ SNP clustering
- 5) **Immunological and Diagnostic Techniques**
 - ✓ Total leucocytes count
 - ✓ Immunoelectrophoresis and Immunodiffusion
- 6) **Animal Models (Mice model)**
 - ✓ Sensitization, Challenge and Euthanasia
 - ✓ Histological examination for Inflammation by PAS & H and E Staining
 - ✓ Immunohistochemistry
 - ✓ Plethysmography(Non-invasive Lung Function Test)
 - ✓ Flexi-Vent (Forced Oscillation Technique).
 - ✓ Exhaled-NO Estimation.
 - ✓ FACS technique

RESEARCH PROJECTS

- ✓ Worked on a project “*Identification of Genetic markers to differentiate between Latent and Active Tuberculosis in patients*” under the supervision of **Dr. Swati Subodh**, CSIR-OSDD, IGIB, New Delhi. (Jan-May, 2014)
- ✓ Worked on a project “*Developing Mice Models for Asthma and Metabolic Syndrome*” under the supervision of **Dr. Vijay Pal Singh**, Institute of Genomics and Integrative Biology (IGIB), New Delhi. (June-Dec, 2011)

WORKSHOPS ATTENDED:

- ✓ “**National Workshop on Bioinformatics and Structural Biology in Drug Designing**” Organized by Biotech Park in 2010, Lucknow (U.P.)

AREA OF INTEREST

Recombinant DNA Technology, Bioinformatics, Nanotechnology, Clinical Immunology

ACHIEVEMENTS

- ✓ Published a Module Book For Training on “*Laboratory Animal Science*”.
- ✓ One of the members of the training program on “**Animal Handling**” under Utrecht University, Netherland, held at IGIB which was published in the *Newsletter of Netherland*.
- ✓ Diploma course in “*German Language*” from Banasthali University.
- ✓ Qualified **GATE-2014** with AIR 1640 and Score 320.
- ✓ Published an **Abstract** in the **AdMet 2016** Abstract Book.
- ✓ Presented **Poster at AdMet 2016 – 9th International Conference on “Advances in Metrology”** held at CSIR-NPL, New Delhi. (February, 2016).

PROFICIENCY

- ✓ Languages (Computing): C, C++, SQL, Data structure etc.
- ✓ Languages (Speaking): English (US), Hindi, German, French, Urdu

REFERENCES

- **Dr. C.K. Sharma**
Assistant Professor, Banasthali University, Rajasthan
- **Dr. Vijay Pal Singh**
Veterinarian, Institute of Genomics & Integrative Biology (IGIB), DELHI
- **Dr. Sachin Kumar**
Assistant Professor, Amity University, Noida

DECLARATION

I hereby declare that the information given above are true and correct to the best of my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Place: Ahmedabad

(Bhumika Gupta)