**Ms. MAITRY RAGHAV**

**Address for Communication**

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[maitryraghav@gmail.com](mailto:maitryraghav@gmail.com)

**Career Objective:**

Looking for a position in institute where I can use my skills and abilities in the industry that offers competitive environment, a true profession to put in the acquired knowledge and gain exposure to upcoming technologies while being resourceful, innovative and flexible.

**Work Experience:**

* Currently working as a guest lecturer in Atal Bihari Vajpayee Hindi University.
* Worked as a counselling consultant for 6 month in DDUGKY programme.
* Worked in a project of central government DDUGKY as a Soft skill Trainer for 1 year.

**Education and Professional development:**

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| --- | --- | --- | --- | --- | --- |
| **Qualification** | **School/College** | **University/Board** | **Year** | **Stream/Degree, Specialization** | **Percentage/**  **CGPA** |
| PG Diploma | JSS College of Arts, Commerce & Science, Mysore | Biotechnology Finishing School, Karnataka | 2016 | Protein Expression & Scale-up | 7.5 CGPA |
| M.A | Indira Gandhi open University | Indra Gandhi National Open University | 2015 | Public Administration | 61% |
| M.Sc | MLB Govt.Girls PG college Bhopal | Barkatullah University | 2013 | Microbiology | 77.7 % |
| B.Sc | Govt. MVM college Bhopal | Barkatullah University | 2011 | Microbiology | 67.4% |

**ACADEMIC PROJECTS:**

**P.G Diploma Project**

**Title :** Understanding molecular mechanism regulating interaction between dermal papilla and germinal matrix cells.

**Duration :** 6 month

**Guide :** Dr. Vijay Gadgil

(Principle scientist)

**Institute :** Hindustan Unilever (R&D), Bangalore.

**Brief description of project done**

This project involved the study of the interaction between two basic different cells which are helpful in growing hair. How cells get signals and they respond in developing hair follicle.

**Major Project in M.Sc**

**Title :** Commercial Sterilization Process to manufacture Soya milk.

**Duration :** 4 months

**Guide :** Mr. S.K Ganguly

Assistant Manager in R & D at Hershey

**Institute : Hershey India Pvt. Ltd. , Mandideep, Bhopal.**

**Brief description of project done**

This study involves the different types of Sterilization process to increase the shelf life of Soya milk and its products to guarantee microbiological safety. In industry before production, all components of the process equipments must be brought to a condition of commercial sterility and further maintained like Product Sterilization, Equipment Sterilization, and Packaging Sterilization.

**Training / Certificate courses:**

* Attended a workshop on Medicinal Importance of Wheat Grass (2009)
* Vermicomposting Technique (2010 for 1month)
* Participated in the Hands on Training on Microbial Biotechnology Organized by the Derpartment of Applied Microbiology. (30 oct – 13Nov 2011) at Dr.Hari Singh Gour University, Sagar, M.P.
* Training on Basic Techniques of Phytochemical Extraction and Antimicrobial Studies (sep 2012)
* Four months Industrial Training on Commercial Sterilization process to manufacture Soya milk in Hersheys pvt. Ltd. Mandideep, Bhopal, M.P (7 Jan – 26 April 2013).
* Six month Industrial training in Hindustan Unilever R&D Bangalore on study of molecular interaction between two different cells of hair.

**Technical Skill Set**

|  |  |
| --- | --- |
| Biochemistry | Quantitative and qualitative estimation of carbohydrates, proteins, and nucleic acids. |
| Molecular Biology | Agarose gel electrophoresis and, Restriction digestion/ligation of DNA, Purification of plasmid/genomic DNA,RT PCR, Recombinant protein production, purification, cell culture maintenances, co culturing cells, RNA isolation. |
| Immunology | Western Blotting, ELISA, Ouchterlony double immunodiffusion, Blood grouping. |
| Microbiology | Isolation & culture techniques of Bacteria, Gram staining, |
| Downstream Processing | Cell disruption, Centrifugation, Ultrasonication, Affinity Chromatography, Ultrafiltration, Gel filtration Chromatography, Thin Layer Chromatography, Paper Chromatography, SDS-PAGE, Zymography. |

**Computational Skills :** MS OFFICE, DOS.

**Instruments Handled**

* RT PCR
* Centrifuge
* Cell counter
* Nano drop (Nucleic acid quantification instrument).
* TECAN plate reader
* Luminometer
* Brookfield Viscometer
* Refractometer
* Denity meter
* Gel/Chemi Doc
* Gel Electrophoresis units (Agarose and SDS-PAGE)
* Turbidity Meter
* Magnetic strirrer
* Air monitoring
* Jar Test Apparatus
* Autoclave
* Ultrasonicator
* Homogenizer
* Soxhlet Extractor.

**Extra-Curricular Activities**

* Got various prizes in Poster making competitions, paintings and other college level curricular activities.
* Played from Madhya Pradesh Division Level Cricket cup and Basket Ball (2011)
* Got various prizes in Dance competitions.

**Strength:**

: Quick learner with good grasping ability

: Lead and work as a team in an organized way

: Very good time management skill.

**Personal details :**

Name : Miss. Maitry Raghav

Father’s Name : Mr. Ravindra Singh Raghav.

Mother’s Name : Mrs. Ravi Bala Raghav.

Date of Birth : 30-11-89

Languages known : English and Hindi

Permanent Address : 11/B Samrat Colony Ashoka Garden Bhopal.

Nationality : Indian.

Marital Status : Single

Hobbies : Dancing , Playing sports.

**References**

* **Dr. Satish Kumar B. Y.**

Asst. Prof. and HOD,

PG Dept of studies and Research in Biotechnology JSS College (Autonomous),

Ooty Road, Mysore - 570025.

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* **Mr. Manas Pandey**

Senior Executive

QA at Hershey

Mandideep, Bhopal (M.P)

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* **Mr. S.K. Ganguly**

Assistant Manager

R & D at Hershey

Mandideep , Bhopal (M.P)

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