**Gulfjobseeker.com CV No:** **1077582**

**Mobile** +971505905010cvdatabase[@]gulfjobseeker.com

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***Biotechnology Post Graduate***

**Career Objective**

Honest, sociable Biotechnology-in-the-making, eager to contribute to organizational growth and profitability in order to meet individual as well as organizational goals.

*Seeking challenging responsibilities in Research & Development/ Biotechnologist/ Microbiologist/ Quality Control/Quality Assurance/ Production & Operational handling with a reputed organization.*

**Profile**

* Dynamic, Post graduate with impressive **hands-on knowledge base** experience in encompassing a wide spectrum of biotechnology research.
* Excellent time management abilities that could help taking up challenging assignments within tight schedules.
* A responsible team player willing to work in cohesive teams enabling achievement of set targets.

**Work Experience**

**1- Organization:** **St JOSEPH SCHOOL, CAMPEIRGANJ , GORAKHPUR , INDIA**

**Designation:** Biology Teacher

**Duration:** 2 Year    (2nd December 2008 to January21st 2011)

**ACTIVITIES**

* Planned, prepared and delivered instructional activities that create an environment where children are actively engaged in the learning experience.
* Identified and adapted teaching resources in order to meet the varying needs of children with different learning abilities, learning agilities and special education needs.
* Offered plans for enhancement in which children are encouraged to be engaged in the learning process.
* Maintained an accurate teaching record and monitored learning performance to provide feedback on progress – Prepared and evaluated students’ performance to monitor progress.
* Researched and utilized variety of learning materials, resources and technology methods [such as: Internet-learning, library, team learning] to support and develop the classroom environment.
* Advised and monitored children in the use of new learning materials and teaching equipment.
* Communicated cooperatively with peers, colleagues and parents to meet teaching goals and ethical standards.
* Applied appropriate disciplinary measures when necessary.

**2- Organization:** **NATIONAL BUREAU OF AGRICULTURALLY IMPORTANT MICROORGANISMS (I.C.A.R.)**

* **Designation:** Senior Research Fellow **(S.R.F)**
* **Duration:** 02February 2011 to 31- March 2012
* **Project group: ”**Application of Microorganisms in Agriculture and Allied Sectors**” (AMAAS)**
* **Project Title**: Biological control of soil born plant pathogen & growth promotion in vegetable crops

**Project Details**: Characterization of potent biocontrol agents and study of Rhizosphere competency of it to protect the plant from harmful pathogen by developing biocontrol consortia.Study tritrophic interaction by gfp vector carrying bacteria.

**Technical Expertise**

**Microbiological techniques**

* Isolation of bacteria & fungi.
* Biochemical tests of bacteria and fungi
* Media preparation, staining, sterilization, microscopy, spectrophotometry,.
* Single colony purification, serial dilution, spot test, disc diffusion, MIC, Bacterial growth curve.

**Molecular biological**

* Genomic **DNA isolation** of bacteria, fungi, plant
* **PCR** (Gradient PCR, Touchdown PCR, Multiplex PCR and Nested PCR)
* Plasmid DNA isolation
* **Cloning** (restriction digestion, ligation, competent cell preparation, transformation,)
* Identification and screening of recombinant colonies
* gfp tagging
* BIOLOG analysis for identification of microorganisms
* Gel electrophoresis

**Instruments Handled**

Thermal Cycler PCR( G- STROM, BIORAD), Gel Electrophoresis, Denaturation Gradient Gel Electrophoresis(DGGE) ,Gel Documentation system (BIORAD), ABI 3010 Sequencer Spectrophotometer,electroporator, Centrifuges, ELISA Reader, Laminar Air Flow (vertical, horizontal), pH meter, Microscope, and Autoclave.

**Bioinformatics tools**

* Knowledge of data bases like NCBI, EMBL,
* Primer designing
* Knowledge of bioinformatics

**Software skills**: MS Office, Basics of HTML.

**Educational Qualifications**

* **M.Sc Biotechnology** DDU Gorakhpur University ,Gorakhpur, U.P, 2008, with first division

( Percentage-67%)

* **B.Sc.** DDU Gorakhpur University ,Gorakhpur, U.P, in 2006 with first division

* **Intermediate** Jyoti Niketan Convent School (ISC), Azamgarh in 2002 with first division
* **High School** Jyoti Niketan Convent School (ICSE), Azamgarh in 2000 with first division

**Project Achievements**

* Completed 2 months Dissertation work on **“LIPID LOWERING AND ANTIOXIDANT ACTIVITY IN HYPERLIPIDEMIC RATS”** from **“Central Drug Research Institute (C.D.R.I.), Lucknow**
* Completed several **projects** as a part of course curriculum.
* Done various **research and training work** during studies.

**Publication** **List**

## List of published Abstract

1. ”Efficient colonization pattern of *Bacillus* strains in plant :THROUGH GFP BASED APPROACH.. International conference of Association of Microbiologist of India (AMI) 2011.”
2. Biocontrol of Fusarium oxysporum f. sp. lycopersici against infection of tomato wilt by *Bacillus amyloliquefaciens* MB101 facilitated by antifungal Exopolysaacharides and Biofilm formation National Symposium on harnessing biodiversity for biological control of crop pest.
3. Extracellular production of thermostable alpha amylase by *Bacillus amyloliquifaciens* MB101 using flour mill waste.” International conference of Association of Microbiologist of India (AMI)2011
4. “Diversity analysis of thermophilic fungus from jharia coal mines of India” International conference of Association of Microbiologist of India (AMI)2011

**Research Papers:**

1. Manoj Kumar Solanki; (2012) **Characterization of mycolytic enzymes of *Bacillus* strains and their bio-protection role against *Rhizoctonia solani* in tomato** inCurrent Microbiology (published)

**Attended/Presented Seminars**

* Delivered many classroom seminars at graduation and PG level.
* Delivered many seminars on project title microorganism in NBAIM.
* Attended 52nd annual conference of Association of Microbiologist of India (AMI) 2011 at Punjab University Chandigarh

**Personal Details**

Sex Female

Date of Birth 9th Aug. 1984

Husband name Mr. Paritosh Charan

Religion Christian

Nationality Indian

Language known English & Hindi