SHIVKUMARI

Microbiologist

DATE OF BIRTH: 02/10/1987 | NATIONALITY: INDIAN MARRIED

# P E R S O N A L P R O F I L E

To secure a position in life science field and place myself at a responsible and challenging environment and to contribute my fullest ability for the company’s growth.

**C O N T A C T**

UAE, Dubai

shivkumari-393378@2freemail.com

**L A N G U A G E S**

English, Hindi, Kannada, and Marathi

**S K I L L S**

\*Technical/ Documentation:

Documentation & implementation of GMP requirements. Review and prepare manufacturing process for process controls, critical process parameters

Review and prepare vendor documents arrange training cGMP activities.

Technology transfer activity from R&D to site QA. Maintain and fill quality documents like batch record, checklist, log sheet,etc.

Secure close collaboration with QC, QA, during production and follow-up.

Knowledge of disinfectant efficacy validation Knowledge of sterility test.

Handle out Of Specification/Out of Trend and Trend analysis

Review of records & test data sheets of quality control department

\*Laboratory Skills:

Chromatographic techniques – TLC, Fermentor, UV Spectrophotometric techniques (Shimadzu) ,Microbial isolation techniques (such as culture media, plating etc.) Water, Swab and Sterility testing.

Culture maintenance (B.subtilis, E.coli, E.aerogenes, L.monocytogenes, P. aeruginosa, S.aureus, B.megaterium, A.niger, A.fumigatus etc.)- procured from MTCC, Chandigarh.

**Audit Faced: GMP, cGMP, ISO9000, US\_FDA**

**P R O J E C T H A N D L E D**

* “Antimicrobial activity of some medicinal plant extracts against food borne pathogens (received from MTCC, Chandigarh)”

**C O M P U T E R S K I L L S**

Desktop tools:

-MS Office(Word, Excel, Power point)

Internet :

* Mozilla Firefox, Google chrome, yahoo etc
* Anti-mutagenic protective effect of pomegranate extract by Spot assay
* Evaluation of antibacterial activity of plant extracts using resazurin dye through micro titter plate method.
* Biotransformation of Colchicine into their corresponding 3-O-Glucosyl Derivatives by Bacterial Strains of Bacillus megaterium.

# W O R K E X P E R I E N C E

## E D U C A T I O N

### Microbiologist, R&D

Bangalore- India

APRIL 2016- APRIL 2019

* Post Graduation Diploma in Microbial Technology and Bioprocess Engineering - 73% Gulbarga University, Gulbarga (Karnataka).
* Post Graduation in Microbiology
* 58.75% from Gulbarga University, Gulbarga, Karnataka (2009 – 2011).
* Post Graduation Diploma in Computer Application -79.92% from Gulbarga University, Gulbarga, Karnataka (2008 - 2009).
* Graduation in Biotechnology: from Luqman Science College - 57.73%, Gulbarga University, Gulbarga, Karnataka (2005 -2008).
* P.U.C.: passed from Luqman P U Science College - 46% Secondary Board of Education, Karnataka (2003 -2005).
* S.S.L.C: passed from Vijay Vidayalaya High School - 46.24% Secondary Board of Education, Karnataka (2003).

Invitro antimicrobial assay of herbal extracts against food borne pathogens by diffusion method and disc method (including MIC & MBC).

Determine anti-oxidant activity of herbal extracts. Determine anti-diabetic activity of herbal extracts. Fermentation (by downstream processing)

Preparing SOP’s, Documentation, COA for Auditing purpose Maintain the process equipment and following operational SOP's. Follow-up on production quality (in-process controls, specifications and yield)

Maintain and fil quality documents like batch record, checklist, log sheet etc.

ensure collection of rinse sample, finished sample, retained samples & completion of related documentation.

Technology transfer activity from R&D to site QA

Data analysis, interpretation, maintenance of records and logbooks of all equipment’s as per current GMPs..

### Microbiologist, QC

Bangalore- India

APRIL 2013- APRIL 2014

Microbiological analysis of samples as per USP: Parameters- TBC, TFC, TCC, E.coli, S.aureus, Salmonella sps, P. aeruginosa,

Sterility testing.

Swab testing, Endotoxin assay and Environmental monitoring Water testing – for pathogenic organisms

Estimate total polyphenols, total flavonoids, and proteins. Invitro antimicrobial assay of herbal extracts against food borne pathogens by diffusion method (including MIC).

Prepare SOP’s, Documentation, COA for ISO9000, US\_FDA- Auditing purpose

Maintain the process equipment and following operational SOP’s Monitor & implement on Current Good Manufacturing Practices (cGMP) in production areas

Review of SOP’s, protocols & other quality and production related documents.

Responsible to ensure the calibration/ validation of equipment/ instruments in manufacturing area.

Prepare & review of self-inspection report and adherence to plan Follow-up on production quality (in-process controls, specifications and yield).