JAMESON T JOSEPH

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OBJECTIVE:

To be a part of an enthusiastic and innovative team in an expanding life science group with a stimulating work environment where I can apply my scientific skills and life science knowledge for the benefit of the organization and enrichment of myself in respective of knowledge, skills, experience and exposure.

ACADEMIC CREDENTIALS

Ph.D - MICROBIOLOGY

Bharathiar University, Coimbatore, Tamilnadu, India. **(2020)**

M.Sc- MICROBIOLOGY

Bharathiar University, Coimbatore, Tamilnadu, India, **June, 2012 (78%)**

B.Sc- BIOTECHNOLOGY, BIOCHEMISTRY & GENETICS (TRIPLE MAJOR)

Kristu Jayanti College, Bengaluru, Bangalore University, Karnataka, India, **may, 2009 (64%)**

EMPLOYMENT HISTORY:

2018 December- January 2020:

- **QC-MICROBIOLOGIST-EXECUTIVE-Meiji Holding company limited/MEDREICH**

- Experience in a wide variety of microbiological techniques, Microbial Limit Test, Environmental Monitoring, Rapid Micro techniques, sterilization procedures, Microbial Identification, Media prep, Water Sampling, monitoring & verification of aseptic cleaning of lab and instruments.
- Understanding and application of principles, concepts, theories and standards of GMP QC microbiology laboratories. Deepens technical knowledge through exposure and continuous learning
- CGMP& GLP
- Handled and Faced various regulatory audits like **PMDA-JAPAN, MHRA-EUROPE, TGA-AUSTRALIA**
- Evaluate lab practices for compliance and operational excellence improvement on a continuous basis
- Report, evaluate, back-up/archive, trend and approve analytical data- DATA documentation-OOS, OOT, DEVIATION. Data integrity.
- Performed microbiological testing for water

- Performed microbiological testing for raw materials, in-process materials, intermediates and final product
- Performed environmental monitoring of the clean rooms (under specifications)
- Cleaning validation tests
- Performed microbial characterization
- Implementing, developing and reviewing SOP's
- Online entry of analytical activities in QLMS(Quality laboratory management system) Maintain historical files on organisms found in classified areas; microbial identification and trending
- Calibration and maintenance of laboratory instruments.
- Troubleshoot instrument problems and work with the lab supervisor/manager and equipment manufacturer's technical services to resolve issues

RESEARCH EXPERIENCE

5 years of research experience as a Ph.D research scholar of microbiology at Department of microbiology, Dr. G. R. D College of Science, Coimbatore affiliated to Bharathiar University, Coimbatore, Tamilnadu, India- **(2013-2018)**

- Isolated and identified lignolytic mold fungi from environmental samples
- Performed DNA isolation from microorganisms and genomic sequencing for the identification of fungi
- Performed amplification of genomic DNA using primers by PCR technique
- Identification of the fungi by genomic sequencing and submitted in NCBI GenBank database.
- Culturing, preservation and maintenance of fungal isolates in various conditions
- Qualitative and quantitative enzyme assay of various extracellular fungal enzymes with special emphasize on extracellular oxidoreductase enzymes
- Lab-scale fungal extracellular enzyme production, optimization, extraction, purification and characterization
- Enzyme/Protein extraction and purification
- Enzyme characterization by SDS- PAGE and NATIVE- PAGE analysis
- Environmental application of isolated & identified mold fungi for the bioremediation of xenobiotic compounds
- Carried out chromatography techniques- GC-MS & HPLC analysis
- FTIR (Fourier transform infrared) & SEM (Scanning electron microscopy) analysis
- Successfully designed and developed a novel fungi based microbial consortium product formulation for the pilot scale and field level applications
- Pesticide residue analysis -Extraction, identification and quantification.

TECHNICAL SKILLS & PROFICIENCY

- General Microbiology techniques - Isolation and maintenance of cultures, Plating techniques, streaking techniques, Pure culture techniques,
- **Microbial bioprocess/fermentation, BIOREACTOR,** Bioprocess Up scaling and optimization
- Molecular techniques**: PCR**, Immunohistochemistry**, SDS-PAGE , AGE**
- Enzyme and protein isolation, purification and characterization

- Chromatographic techniques – Affinity Chromatography
- **GC-MS, HPLC, FT-IR, SEM,**
- Isolation of DNA & RNA from microbes, plants and animal cells
- Immunological techniques- ELISA, RIA, Antibody titration, etc
- Enzyme screening, production and assay (Qualitative & Quantitative)
- Sample collection and processing
- Microscopic analysis and characterization of microorganisms
- staining techniques and identification, characterization of microbial cultures, Biochemical analysis and serological tests
- Media preparations, various microbial culture techniques, pure culture isolation techniques
- Fermentation process,
- Qualitative analysis of Carbohydrates, Proteins, and Non protein nitrogenous substances
- Recombinant DNA technology
- Water quality parameter analysis
- Plant tissue culture techniques

SCIENTIFIC PUBLICATIONS

- **JOURNAL OF ENVIRONMENTAL BIOLOGY, 2018**

  Jameson T Joseph, Rukmani Mahalakshmi, Karunamoorthy Revathy, Kanesan pannerselvam, Palanisamy manikandan and C. S. Shobana. Effectiveness of application of lignolytic Cladosporium uredinicola GRDBF21 and Bipolaris maydis GRDBF23 in the treatment of tannery effluent.

- **INTERNATIONAL JOURNAL OF ADVANCED LIFE SCIENCES, 2015**

  Jameson T Joseph, T. N. Mohammed sanfar, R. rajendran, K. Panneer Selvam, P. Manikandan and C. S. Shobana. Application of bark fungi in the biodecolourisation of azo dyes.

- C. S. Shobana., C. Sathyapriya, A. Mythili, G. Priyadarshini, A. Shafeeq Hassan, H. Sreekumar, **Jameson T Joseph**, P. Manikandan and K. Pannerselvam. 2013. A study on the antibacterial activity of crude bacteriocin from lactobacilli against food borne pathogens. In the proceedings of the National Seminar on Probiotics in Sustainable Food Production: Current Status and Future Prospects, Volume 1. ISBN-5.978-93-82338-47. Biofring Publishers

GENE SEQUENCE SUBMISSION:

- **Cladosporium uredinicola** strain 28s ribosomal RNA partial sequence and received GenBank accession number – **KJ913698 (received and published)**

- **Bipolaris maydis** strain 28s ribosomal RNA partial sequence and received GenBank accession number – **KJ913699 (received and published)**

ACHIEVEMENTS:

- Guided and assisted 5 undergraduate, 3 post graduate & 1 M.Phil graduate in their academic research projects and dissertation.
- Handled theory and practical classes in college level for undergraduate and post graduate students during research period
- Worked as the member of entrepreneurship development cell of college and participated various entrepreneurship development skill programs, certification courses.
- Participated and presented research papers on various national & international seminars, conferences and workshops sponsored by UGC, DBT & DST

AREA OF SPECIALIZATION

Mycology, Fungal culturing and maintenance, fungal enzymology, fungal metabolites, Microbial Enzymology, Enzyme assay, Bioprocess/fermentation, Environmental biotechnology.

COMPUTER PROFICIENCY:

MS Word, MS Excel, MS PowerPoint& internet browsing tools.

PERSONAL DETAILS:

Date of Birth	: 22/07/ 1988
Sex	: Male
Marital Status	: Single
Nationality	: Indian
Languages Known	: English, Malayalam, Hindi, Tamil
Notice period	: Ready to join
Current location	: Bangalore

REFEREBCE:

Dr. C. S. Shobana

Associate professor, Department of microbiology

PSG College of Arts & Science, Coimbatore-14

DECLARATION:

I hereby declare that the information furnished above is true to the best of my knowledge and belief. I am aware that incase I have given wrong information or suppressed any material fact or factual information; my candidature will be rejected without any notice or reasons.

Thanking you,

Jameson T joseph