Chennai, India 600 116 | 0091-7358238275 | gousebashaphd@gmail.com

GOUSE BASHA S

PROFESSIONAL OBJECTIVE

Enthusiastic to contribute for change and improvement being part of results oriented professional team that has sharp vision and provides opportunities utilizing education, experience, expertise, and capabilities

PROFESSIONAL SUMMARY

- Have **4.7 years** of experience as Head, QC-Microbiology in Medical Devices industry.**15 years** of experience in teaching, training, and research related tasks in the field of Microbiology.
- Currently working in notice period as **Assistant Manager-QC Pvt., Ltd., at Eucare Pharmaceutical Pvt., Ltd.,** SIDCO, Thirumudivakkam, Chennai. Leading a team on Quality Control, Microbiology and Stability studies.
- Worked as **HOD of Microbiology at Gesco Healthcare Pvt., Ltd.,** Ambattur, Chennai for about **2.5 years.** Leading a team on Quality Control, Microbiology, Stability studies, was part of my job description.
- Possess **10 years** of expertise as an **Assistant Professor of Microbiology** at Dept. of Clinical Laboratory Sciences, College of Applied Medical Sciences, Shaqra University', Saudi Arabia. Teaching and leading a team on research projects.
- Have book chapters and original research papers published in reputable journals.
- Have been instrumental in the establishment of Shaqra University's Microbiology and Biology syllabus and Laboratory.
- Have **5 years** of experience as **Assistant Professor of Microbiology** at The New College, Chennai, India
- Have **1 year** of experience as a **Microbiologist** at Malar Laboratory, Chennai

EXPERIENCE

ASSISTANT MANAGER-QUALITY CONTROL 03/2024 to Current
Eucare Pharmaceutical Pvt Ltd., SIDCO, Thirumudivakkam, Chennai, India

- Review of RM/PM/IP/FP/COA/Water analysis report and raw data sheet for Microbiological and Chemical analysis and giving clearance for next stage movement.
- Review of all validations which includes sterility and sterilization validation (Dose Audit-Gamma Sterilization; ISO 11137), Autoclave validation, cleaning and disinfectant validation, Laundry Validation and Fogging Validation
- Review of environment monitoring by air sampler, settle plate, surface monitoring such as swab test in accordance with ISO standards.
- Review of bioburden testing and sterility testing for medical devices as per standards.
- Review trend charts for RM, PM, IP, FP, cleanroom environment and SOPs for Microbiology and Chemical lab
- Responsible for review of stability samples' analysis report as per requirements.
- Responsible for preparing monthly budget and maintaining microbial culture, Media and laboratory chemicals and other consumables for routine analysis.
- Responsible for preparation of MIS for weekly reporting and MRM for QC department
- Coordinating with QA and RA for Quality systems and Regulatory compliance, QMS implementation, Deviation, Investigation and Management, OOS, RCA and CAPA
- Internal and external audit readiness (ISO-13485, CDSCO, CE, EU-MDR, HALAL, Corporate).

HOD OF MICROBIOLOGY 07/2021 to 12/2023

Gesco Healthcare Pvt., Ltd., Ambattur Industrial Estate, Chennai, India

- Review of finished product analysis report, COA and raw data sheet for Microbiological analysis as per the approved specification.
- Review of microbiological analysis of medical devices such as sterility test, endotoxin test, bioburden test and water tests
- Review of environment monitoring by air sampler, settle plate, surfaces monitoring such as swab test in accordance with ISO 14644, 14698-1
- Review of all validations which includes sterility and sterilization validation (EO Sterilization), Autoclave validation, cleaning and disinfectant validation and Fogging Validation
- Review of all Microbiology related SOPs
- Review of stability studies for medical devices as per requirements.
- Review of culture maintenance and Calibration of instruments.
- Responsible for preparing monthly budget for media, chemicals and other consumables for routine analysis.
- Responsible for maintenance of Personal hygiene, GMP and GLP.
- Coordinating with QA and RA for Quality systems and Regulatory compliance, QMS implementation, Deviation, Investigation and Management, OOS, RCA and CAPA
- Internal and external audit readiness (ISO-13485, CDSCO)

ASSISTANT PROFESSOR OF MICROBIOLOGY 10/2010 to 08/2020

Dept. of CLS, COAMS, Shaqra University, Ad-Dawadmi, Saudi Arabia

- Apart from teaching engaged in research activities, student projects and published research papers in well reputed journals.
- Coordinated with colleagues in continuous reviews and curriculum development.
- Utilizing Google Forms, Moodle, ICTs and other educational and research resources
- Participating in conferences and seminars, carrying out research initiatives, and publishing findings in order to support scientific research
- Taking part in college and department council meetings, quality assurance initiatives and NAAC committee activities

HOD & ASSISTANT PROFESSOR OF MICROBIOLOGY 07/2002 to 06/2009

The New College, Chennai, India

- Was employed on July 24, 2002, and served as a lecturer until February 28, 2005. After being promoted as Assistant Professor and HOD of Microbiology worked until September 1 2006.
- Took a break to complete part of my doctoral work. Subsequently returned on June 16, 2009, and served until May 31, 2010.
- Deliver lectures, lead lab sessions, mentor undergraduate and graduate students' research projects, carry out research, and publish findings

MICROBIOLOGIST 06/2001 to 07/2002

Malar Laboratory, Chennai, India

- Carrying out routine & specified microbiology tests, Immunological assays on various samples and other body fluids.
- Performing ELISA by automation, semi automation, Western blotting.
- Routine serological agglutination testing for diagnosis of infectious disease. Preparing Standard Operating procedure for Laboratory services including Lab general, safety, and Microbiology.
- Develop comprehensive and ongoing Quality Assurance, Quality Improvement, and Quality Systems initiatives covering the scope of Clinical Laboratory sections

EDUCATION

University of Madras, Chennai, TN, India
Doctor of Philosophy, Microbiology, 2010
- PhD Thesis: "Studies on the environmental prevalence of Cryptococcus neoformans and the factors favoring its saprophytic survivability" carried out at School of Environmental Sciences, The New College, Chennai, India.

Bharathidasan University, Trichy, India, India
Master of Science, Microbiology, 2001
- MSc Project: "Diagnosis and Screening for Banana Bract Mosaic Virus" carried out at National Research Centre for Banana (NRCB), Trichy

University of Madras, Chennai, TN, India
Bachelor of Science, Microbiology, 1999

TECHNICAL SKILLS

- Isolation and identification of microorganisms
- Nucleic acid, plasmid isolation and DNA amplification techniques (PCR)
- Extraction, assay & identification of proteins
- Handling of microbiological instruments such as Laminar air flow, humidity chamber, orbital shaker, gel electrophoresis unit, PCR, ELISA, HPLC, UV Spectrophotometer, autoclave, incubator, deep freezer, distillation unit, etc.,
- Knowledgeable about using ICT technologies, Google Forms, Moodle, and other teaching and research tools.
- Possess digital abilities, such as MS- Office, web browsing, system trouble shooting, software installation

BOOKS PUBLICATIONS

- Maqbul, M.S., Khan, A.A., Iqbal, S.M.S., Mulla, S.I., **Sheik, G.B**., Alshabi, A.M. (2022). The Management of Crude Oil Spill by Bioremediation Technique. In: Mulla, S.I., Bharagava, R.N. (eds) Enzymes for Pollutant Degradation. "Microorganisms for Sustainability", vol 30. Springer, Singapore. https://doi.org/10.1007 /978-981-16-4574-7_14.
- **Gouse Basha Sheik,** Babu Joseph, Zafar Akbar, Muazzam Sheriff Maqbul. (2020). Laboratory Diagnosis of Infectious Disease-Traditional to Molecular Diagnosis. "Research Methodology", vol 1, Akinik Publications, Delhi, India.

RESEARCH PUBLICATIONS

- **Sheik GB,** Alhumaidy AA, Abdel Raheim AI, Alzeyadi ZA, AlGhonaim MI.Taxonomic characterizations of soil Streptomyces cavourensis DW102 and its activity against fungal pathogens. J. Pharm. Bioall. Sci,12:462-7,2020. DOI:10.4103/ jpbs.JPBS_ 304_20 (Scopus, Web of Science, Pubmed).
- Maqbul M. S, Khan A. A, Mohammed T, Iqubal S. M. S, Shaikh I. A, Muddapur U. M, **Sheik G.B,** Singh S. K, Hussain M. S, Gamal M. Determination of Antioxidant Properties and Antimicrobial Activity of Vinyl Phenolic Compounds Extracted from Saccharomyces cerevisiae against uropathogenic Bacteria. Orient J Chem, 36(1): 26-32,2020. DOI: 10.13005/ojc/360104 (Web of Science, Scopus and Pubmed).
- **Sheik G Basha,** Raheim A Ismail Ali, Alzeyadi Z Abdullah, Al Ghonaim MIbrahim. Extracellular Synthesis, Characterization and Antibacterial Activity of Silver Nanoparticles by a Potent Isolate Streptomyces sp. DW102. Asian J Biol Sci, 8(3): 89-96, 2019. DOI: 10.5530/ajbls.2019.8.15 (Web of Science).
- **Gouse Basha Sheik,** Ali Ismail Ali Abdel Raheim, Zeyad Abdullah Al Zeyadi and Mohammed Ibrahim Al Ghonaim, "Application of Plackett- Burman design for

optimization of silver nanoparticles produced by Streptomyces sp. DW102", Int. j. adv. biotechnol. res., 10(2):143-151, 2019. DOI: 10.5530/ajbls.2019.8.15 (Web of Science indexed upto 2019).

- **Gouse Basha Sheik**, Muazzam Sheriff Maqbul, Gokul Shankar. S, Ranjith MS. "Isolation and characterization of actinomycetes from soil of ad-Dawadmi, Saudi Arabia and screening their antibacterial activities", Int J Pharm Pharm Sci, 9(10):276-279, 2017. DOI: 10.22159/ijpps.2017v9i10.15402 (Scopus).
- **Gouse Basha Sheik**, Ahmed Sannat, Bader Al-Rowis, Sahar M. Jeddawy, Doaa M.Sherif. Prevalence, Risk Factors and Antimicrobial susceptibility of beta lactamase producing Enterobacteriacea in a tertiary care centre of Saudi Arabia, Int J Curr Microbiol Appl Sci, 5(2):98-109, 2016. DOI:10.20546/ijcmas. 2016.502.011 (NAAS).
- **Gouse Basha Sheik,** Ali Ismail Ali Abdul Rhaem, S. Gokul shankar, Kalandar ameer, K. Perinbam, D.J. Mukesh kumar. Serotype, mating type and molecular epidemiology of environmental Cryptococcus neoformans isolated from selected areas of Tamil nadu, India, Int J Health Sci Res, 6(2):120-132, 2016 (Scirus, UGC).
- **Gouse Basha S.,** Ali Ismail Ali, Zafer Saad Al Shehri, Omar Bin Al Otaibi. "Assessment of Bacteria and Fungi in air from College of Applied Medical Sciences (Male) at AD-Dawadmi, Saudi Arabia". Int Res J Biol Sci. 4 (9):1-5, 2015 (Google Scholar)
- Ali Ismaeil Ali Abd Alrheam, **Gouse Basha Sheik**, Nasser Badi K Al Mutairi, Majed Badi K Al Mutairi. The efficacy of newly formula of Alkanna tinctoria oil for treatment of five bacterial species. Int J Adv Res, Vol. 3(9): 646 – 654, 2015 (UGC)
- **Gouse Basha S.,** Dawood Sharief. S., Gokul Shankar. "Comparison of invitro susceptibility of melanised and non-melanised Cryptococcus neoformans to Cinnamomum zeylanicum and Murraya paniculata", Int J Biol Tech, vol. 1(3):5-9, 2010.
- **Gouse Basha S.**, Dawood Sharief. S., Gokul Shankar. S., Ranjith Singh, A.J.A., et al. "Role of Melanin production in the Environmental survival of Cryptococcus neoformans". J Nat Sci Tech, vol. 1: 42-47, 2009.
- **Gouse Basha S.,** Gokul Shankar. S., Ranjith Singh, A.J.A., and Dawood Sharief. S. "Reservoir status of Cryptococcus neoformans in the pellets of different avifauna in South India". Pollut. Res., 24: 61-64, 2005. (Scopus; Web of Science; UGC)

PERSONAL PROFILE

Date of birth	: 28-08-1979
Nationality	: Indian
Languages Known	: English, Tamil, Hindi
Permanent Address	: 110A, Krishnamachari Nagar, 4th street, Alapakkam, near Valsaravakkam, Chennai-600116

REFERENCES

Dr. Prabha Manju
(Former HOD of Gesco Healthcare Pvt Ltd.,)
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Dr. Gokul Shankar
(Former HOD of Microbiology, The New College, Chennai)
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