

Scientist Profile

Name: Dr. Shridhar C. Ghagane

Designation: Assistant Professor Grade-I

Qualification: M.Sc., Ph.D. (Biotechnology)

M.Sc. (Zoology); MBA (Biotechnology)

Specialization: Cancer Diagnosis, Translation Oncology & Liquid biopsy.

Contact: 9739717296

Email: drshridharghagane@kledeemeduniversity.edu.in



Work Experience: Teaching Experience 11 years

Assistant Professor Grade I: KAHER's Dr. Prabhakar Kore Basic Science Research Centre, India. Oct. 2025 till date

Visiting Research Scientist: Laboratories of Radiopharmaceutical Research, Thomas Jefferson University, Philadelphia, United States of America June to July 2025

Scientist Grade II: KAHER'S Dr. Prabhakar Kore Basic Science Research Centre, India. Oct. 2021 to Oct 2025

Research Scientist: Urinary Biomarkers Research Centre & Dept. of Urology, KLES Dr. Prabhakar Kore Hospital & Medical Research Centre, India. Sept. 2019 to Sept. 2021.

Research Associate: KLES Dr. Prabhakar Kore Hospital & Medical Research Centre, India. May 2017 to Sept 2019

Jr. Research Assistant: KLES Dr. Prabhakar Kore Hospital & Medical Research Centre, India. Sept 2016 to April 2017

Research Focus:

My research focuses on cancer research with over a decade of experience dedicated to advancing molecular diagnostics and translational research in urological and epithelial malignancies, with a primary focus on prostate and bladder cancer. My research integrates liquid biopsy approaches, including circulating tumor DNA analysis, with genomic and molecular profiling to develop non-invasive, early diagnostic strategies. My work encompasses SNP-based biomarker discovery (*PSCA*, *SLC14A1*, *PCA3*), and the development of innovative diagnostic platforms such as VPAC receptor-targeted imaging using the TP4303 molecule, validated through clinical comparison with multiparametric MRI. I have also explored advanced diagnostic modalities including 5-ALA-based fluorescent cytology to enhance cancer detection accuracy. In addition, I have contributed to interdisciplinary research involving nanotechnology-driven drug delivery systems in breast cancer and the development of biosensor-based platforms for early cancer detection.

Achievements / Awards:

1. Best Research Publication award for paper entitled ***"A Non-Invasive, Uniplex, Urinary Liquid Biopsy Imaging Assay for Detecting Prostate Cancer Targeting VPAC Receptors & Circulating Tumour Cells"*** in The International Conference on Bridging

Knowledge from Diverse Disciplines for Global Change (BKDDGC-24) organized by Khaja Bandanawaz University, Kalburgi in March 2024.

2. Best Research Publication Award for paper entitled “***Evaluation of in vitro antioxidant and anticancer activity of Allophylus cobbe leaf extracts on DU-145 and PC-3 human prostate cancer cell lines***” in the year 2017, in Science Category, Department of Biotechnology and Microbiology, Karnatak University, Dharwad, India.
3. First Prize in Oral Podium presentation in “National Conference on Recent Trends and Advances in Life Sciences”, on the topic “***Docetaxel Based Treatment for Metastatic Castration-Resistant Prostate Cancer-our Early Experience***”. Held on 6th and 7th March 2015, Organized by Department of Biotechnology and Microbiology, P. C. Jabin Science College, Hubballi, India.
4. **UGC-UPE- Fellowship** sponsored by UGC-New Delhi, during the academic year 2014 & 2015.

Publications : 180

Book Chapters: 13

Conferences

- Conferences Attended: 30
- Papers Presented: 12

Research Guidance:

Ph.D. Students : 2

PG Students: 18