

## Shashikala Metri

Designation: Assistant Professor

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### **Research Interests: Quality control and standardization of herbal medicines**

In recent years there has been great demand for herbal medicines in developed countries. Herbal medicines include herbs, herbal materials, herbal preparations and finished herbal products. In order to have a good coordination between quality of the raw materials, in process materials and the finished products, it has become essential to develop reliable, specific and sensitive quality control methods using combination of classical and modern instrumental methods of analysis. Standardization is essential measurement for ensuring the quality of herbal drugs,

Methods of standardization should take into consideration all aspects that contribute the quality of the herbal drugs viz., correct identity of the sample, organoleptic evaluation, pharmacognostic evaluation quantitative evaluation, phytochemical evaluation, test for the presence of xenobiotics, microbial load testing, toxicity testing and biological activity. Modern methods of standardization includes chromatographic methods and comprehensive methods, such as finger print and multi-component quantification: hyphenated techniques, like HPTLC, HPLC-MS, GC-MS. For global harmonization WHO specific guidelines for the assessment of the safety, efficacy and quality of herbal medicines are of utmost important.

### **Education:**

1. M. Pharmacy [2001-2003]: Pharmacognosy, Government College of Pharmacy, Bengaluru, Karnataka, India
2. B. Pharmacy [1996-2000]: BLDEAS College of Pharmacy, Bijapur, Karnataka, India
3. D. Pharmacy [1994-1996]: BLDEAS College of Pharmacy, Bijapur, Karnataka, India

### **Professional Recognition, Awards, Achievements:**

1. GATE qualified with scoring 72.00%

### **Representative Publications:**

1. "In vitro regeneration of *Centella asiatica*, Plant Cell Biotechnology and Molecular Biology, 2005, 6(1&2): 53-56.(International)
2. "Callus culture of *Centella asiatica* and its HPLC analysis, Biosciences Biotechnology Research Asia, 2010, 2(6) (International)

### **Conference Publications:**

1. Poster presentation in the National conference on "Frontiers And Avenues in the Field of Herbal Drug Research" held at L.M College of Pharmacy Ahmedabad – 2015
2. Poster presentation in 61<sup>st</sup> Indian Pharmaceutical Congress-2009, held at Ahmedabad
3. Poster presentation in 54<sup>th</sup> Indian Pharmaceutical Congress-2002, held at Pune.
4. Oral presentation in National Seminar On "Production and Utilization of Medicinal Plants", held at Annamalai University, Tamilnadu
5. Seminar on "Pharmaceutical Education-Challenges & Opportunities" sponsored by APTI-2007, Andhra Pradesh.
6. Attended seminar on "Faculty development program organized by ICFAI-2008, Ahmedabad

### **Life Member of the Following National Societies:**

1. Life member in State Pharmacy council of Karnataka.
2. Life member in APTI

3. Registered Pharmacist in Karnataka State Pharmacy Council. INDIA