


## Faculty Profile

<b>Name</b>	Mrs Dr Shamala T	
<b>Department</b>	Chemistry	
<b>Qualification</b>	M.Sc., Ph.D.	
<b>Designation</b>	Assistant Professor	
<b>Area of specialization/Research</b>	organic Chemistry / Medicinal Chemistry	
<b>Date of Joining BNMIT</b>	28-08-2020	
<b>Nature of Association (Regular/Contractual/Adjunct)</b>	Regular	
<b>e-mail</b>	shamlamsc@gmail.com	
<b>No. of years of Experience</b>	Teaching: 09 years Research: 5 years	

### Academic Qualifications

- **Ph. D.** : Jnana sangama, Visvesvaraya Technological University, Belagavi, **2019**
- **M. Sc. (organic chemistry)** : Jnana Sahyadri, Kuvempu University, Shankaraghatta, Shimoga, 2010
- **B. Sc. (CBZ)** : AVK college for women, Kuvempu university, Davanagere, 2008

### Working Experience Details

- **Assistant Professor**, Dept. of Chemistry, BNMIT, Bangalore, Karnataka (28/08/2020 – Till date)
- **Asst. Professor**, Dept. of Chemistry, JIT, Davanagere, Karnataka (01/08/2013 – 30/11/ 2019)
- **Lecturer**, Dept. of Chemistry, JIT, Davanagere, Karnataka (29/08/2011-31/07/2013)
- **Lecturer**, Dept. of Chemistry, East Point College of Engineering and Technology, Bangalore, Karnataka (02-02-2011-09-08-2011)

### Research Experience Ph.D

Isolation of ethanolic extract of stem bark was done by column chromatography followed by characterization via UV, IR, H-NMR, C-NMR, Mass spectroscopy. The extract and its fraction was evaluated by pharmacological activities such as Antioxidant, Antimicrobial, Neuropharmacological, Antipsychotic and Analgesic activities.

## Course taught

Engineering Chemistry, Engineering Chemistry Lab, Environmental science (VTU)

## Academic Positions and other Responsibilities (Institute Level):

1. Selection panel member in the interview held for Jain P.U college in 2012-13 and 2013-14.
2. NBA file maintenance, all departmental file maintenance, Dept. of chemistry.
3. As a Newsletter Coordinator-2016-2017.

### Other Assignments

4. Technical fest coordinator in the Shruga-13.
5. As a judge for singing competitions in Shruga-2013-14.
6. As a coordinator for singing competition in Shrunga-2014-15
7. As a coordinator for singing competition in Shrunga-2015-16.
8. As a coordinator for singing competition in Shrunga-2016-17.
9. As a coordinator for singing competition in Shrunga-2017-18.

## Instruments Handled/Software's handled:

- UV-VIS Spectrophotometer

### Awards:

- **Best Paper Award for presenting a paper on "Evaluation on Antipsychotic Activity of Stem Bark of *Bauhinia purpurea* (L) in one day National Conference on Recent Trends on the Applications of Science in Engineering (NCRSE-2018) on 28<sup>th</sup> september 2018 at Bapuji Institute of Engineering and Technology, Davanagere, Karnataka.**

## Professional Memberships:

- **Life Member, Indian Society for Technical Education (ISTE),**

## Research Publications:

### International Journals

1. **Shamala.T, Shanmukhappa.S, A.M.Krupanidhi and B.E.Basavarajappa.** Study on Muscle relaxing Potential of Ethanolic Extract of Stem Bark of *Bauhinia purpurea* (L) Plant in Albino mice. *IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)*, Vol 12, Issue 5, Ver.III (Sep-Oct.2017), pp 01-04 (DOI:10.9790/3008-1205030104)

2. **Shamala.T**, A.M.Krupanidhi, Shanmukhappa.S, and B.E.Basavarajappa. Antiepileptic Activities of Ethanolic Extract of Stem Bark of *Bauhinia purpurea*. *International Journal of Emerging Research in Management and Technology*, Vol 6, Issue 5, May 2017, pp 499-503.
3. **Shamala. T**, A. M. Krupanidhi, Shanmukhappa. S, and B. E. Basavarajappa Antimicrobial Activity of *Bauhinia purpurea* (L) by Minimum Inhibitory Concentration (MIC) method. *Journal of Pharmacy and Biological Sciences (IOSR-JPBS)*, Vol.12, Issue 1, Ver.II (Jan-Feb 2017), pp 69-71. (DOI:10.9790/3008-1201026971).
4. **Shamala.T**, Krupanidhi A.M and Kalleshappa C.M. Investigation on Antioxidant Activity of Bioactive Molecules of *Bauhinia purpurea* (L) Bark. *International Journal of Engineering Research and Development*, Vol.11, Issue 11, November 2015, pp 60-62.
5. **Shamala.T**, Shanmukhappa.S, B.E.Basavarajappa and Krupanidhi.A.M. Extraction and Phytochemical screening for secondary metabolites in stem bark and leaves of *Bauhinia purpurea* (L) plant. *International Journal of Recent Advances in Science and Engineering*, Vol.1, Issue 5, July 2015, pp 01-04.

### **UGC approved Journals with DOI-2**

#### **Papers presented in International/National Conferences**

1. Presented a paper on “Evaluation on Antipsychotic Activity of Stem Bark of *Bauhinia purpurea* (L) in one day National Conference on Recent Trends on the Applications of Science in Engineering (NCRSE-2018) on 28<sup>th</sup> September 2018 at Bapuji Institute of Engineering and Technology, Davanagere, Karnataka.
2. Presented a paper on “A review on Pharmaceutical Activities of Ethanolic Extract of Stem bark of *Bauhinia purpurea* (L)” in two days International conference on Recent trends in Engineering, Technology and Science (ICRETS-2016) organized from 12<sup>th</sup> and 13<sup>th</sup> August 2016, at S T J Institute of Technology, Ranebennur, Karnataka.
3. Presented a paper on “Extraction and Phytochemical screening for secondary metabolites in stem bark and leaves of *Bauhinia purpurea* (L) plant”. In the Second International conference on Recent Advances in Science and Engineering. (ICRASE-2015) organized from 9<sup>th</sup> and 10<sup>th</sup> May 2015 at ICRASE, Bangalore, Karnataka.
4. Paper on “Study and Implementation of three basic organic reactions”, presented in two days National level Conference on Emerging trends in chemical research organized from 7<sup>th</sup> and 8<sup>th</sup>

September, 2012 by Andhra Pradesh State Council of Science & Technology by GITAM University, Vishakhapatnam, Andhra Pradesh

### **Participation in Training courses/Seminars/Workshops**

1. Participated in Three days National Webinar series on “Role of Chemistry in Engineering and Society” on 12<sup>th</sup> – 14<sup>th</sup> August 2020 organized by Department of Chemistry, JNN College of Engineering, Shivamogga, Karnataka, India.
2. Participated in Six Days Faculty Development Programme on “Recent Developments in Solar Energy Recovery And Storage Technologies” on 3-08-20 -08-08-20 organized by Department of Mechanical Engineering, St Joseph’s College of Engineering, Chennai.
3. Participated in Two Days National Webinar on “Industrial Applications of Electrochemistry” on 13<sup>th</sup> and 14<sup>th</sup> July 2020 organized by Department of Chemistry, PES Institute of Technology, Shimoga.
4. Participated in Six days Faculty Development Programme on “Recent Innovations and Futuristic Scope for Research in Internal Combustion Engines” on 29<sup>th</sup> June -4<sup>th</sup> July 2020 organized by Department of Mechanical Engineering, St Joseph’s College of Engineering, Chennai.
5. Participated in the National Webinar on “Chemistry in the service of society” on 25<sup>th</sup> June organized by Department of Chemistry, Rajalakshmagouda Science Institute, Belagavi, Karnataka.
6. Participated in one day national conference on “Recent Trends And Future Applications of Chemical Sciences(RTFACS-2016)” on 5<sup>th</sup> November 2016, held at Department of Studies and Research in Chemistry, Shivagangothri, Davangere University, Davangere.

### **PERSONAL DETAILS**

Date of birth : 31/03/1987  
Languages Known : Kannada, English, Hindi  
Nationality : Indian  
Gender : Female

**September 1<sup>st</sup>, 2020**

**Shamala T**