

## **Mridula Vellore, M.Phil**

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### **Educational Qualifications:**

- M.Phil Biotechnology, Preliminary Studies and Molecular Analysis of an important medicinal plant *Cymbopogon citratus* (2016) at Hindusthan College of Arts and Science, Bharathiar University.
- M.Sc Biotechnology (2007) Hislop College, RTM Nagpur University.
- B.Sc Biotechnology (2005) LAD College, Nagpur University.

### **Research Experience:**

Research Associate at Amala Cancer Research Centre from 2008 Nov to April 2009 in a research project involving the determination of anti-diabetic activity of a herbal product sponsored by an industry.

### **Professional Experience: (2017-Presently)**

- **Resource person**
  - Research methodology conducted by the host institute for new MD/MS students.
  - Explorer-research made easy, Webinar
  - Maharajas College
- Assisting in preparing Scientific/ Research papers acceptable to National/ International publications.
- Participate in various task force activities and project meetings related to area(s) of responsibility
- Conducting meetings with doctors and establishing a network.
- Maintaining the list of publications year-wise.
- Preparing “An Anthology of articles published by the faculty of JMMC & RI”
- Assisting PI with grant application scientific writing.
- Presently doing Ph.D (Part-time) since Jan 2021

### **Research Experience:**

- Mass propagation and plant molecular techniques of *Cymbopogon citratus*.
- Screening of latent TB form active TB from areas of high TB endemic zones.
- Research activities for developing new immunological tools for the diagnosis of TB.
- Evaluating Heat shock proteins in the clinical samples for identifying their role in pulmonary and extra pulmonary tuberculosis (TB).

## **Publications:**

1. **Vellore M**, S. Komathi, G. Rajalakshmi. Preliminary phytochemical screening of different solvent extracts from *Cymbopogon citratus* leaf. European Journal of Biomedical and Pharmaceutical Sciences, 3(4), 367-370.
2. C Sinju, S. R. Manju, C. G. Sreevidya, **Vellore Mridula**. Effect of *Dasapushpa Kera* in the management of *Vicharchika* (Eczema). International Ayurvedic Medical Journal; 4(3):February-March 2020, 2209-2213.
3. Maina J, Santhakumar R, Manoj VC, **Vellore M**. Screening for hearing impairment in high-risk neonates in a tertiary care centre in central Kerala. J Evid Based Med Healthc 2020; 7(48)
4. Hancy Varghese P, **Mridula Vellore**. An overview of trends in Communication: teaching, learning and research. International Journal of Research and Analytical Reviews 2020; 7(4): 958-960.
5. James V, **Vellore M**. A rare case of hypertrophic lichen planus caused by ingestion of ink. Int J Res Med Sci 2021;9:1216-8.
6. Hancy P Varghese, **Mridula Vellore**, Presthiena Lofi. Impact of digital learning during COVID-19 epoch: a cross sectional study on eye strain among university students in humanities from South India. World Wide Journal of Multidisciplinary Research and Development. 2022; 8(05): 52-57.

## **Snippets Published in current science**

- Nair A, Swamy M, Chandra GS, Prabha AC, Jain A, Iqbal S, **Vellore M**, Baskar R, Nayak PP, Venkatesu P, Shrivastava N. Synthetic Voice (2017).
- **Vellore M**, Srividhya KV, Balaji S, Siranjothi K, Ramanan SS, Udham PK, Swamy HM, Gowdhaman P, Mullasserri S, Mishra N, Venkatesu P. Biodiesel Synthesis Reengineering *Proteus vulgaris* lipase (2017).
- **Vellore M**, Srividhya KV, Balaji S, Siranjothi K, Ramanan SS, Udham PK, Swamy HM, Gowdhaman P, Mullasserri S, Mishra N, Venkatesu P. Reinforced Concrete Blending improves strength (2017).

## **Knowledge Up-gradation:**

### Workshops attended-

- Workshop on “Basics of bibliometrics” conducted by Clarivate analytics (17<sup>th</sup>, 19<sup>th</sup> and 21<sup>st</sup> Oct, 2022).
- One-week online workshop on “Biostatistical Data Analysis and Research Methodology” by Science Tech Institute, Lucknow, UP (21<sup>st</sup> – 27<sup>th</sup> Dec, 2022)
- Attended 2<sup>nd</sup> International Science Communication Congress & 22<sup>nd</sup> Indian Science Communication Congress (ISCC-2022) on "Science writing for journalism and communication" in *virtual mode* (20<sup>th</sup>-21<sup>st</sup> Dec, 2022).
- Workshop on “Scientific Writing” 2-8 April-Conducted by Current Science Bangalore.
- Workshop on ‘R’ for descriptive statistics on May 26 & 27, 2017-conducted at

Thiruvananthapuram.

- ‘Two day national workshop on research methodology & scientific-writing’ conducted by Mercy College, Palakkad, 29<sup>th</sup> & 30<sup>th</sup> Jan, 2018.
- Salisbury ’18: Workshop on SPSS and Symposium on scientific writing conducted by community medicine, JMMC & RI, 23<sup>rd</sup> & 24<sup>th</sup> sept 2018.
- ‘Two-day workshop on Research paper-writing’ conducted by KUHS, Thrissur, 16<sup>th</sup> & 17<sup>th</sup> May 2019.
- “Basics of bibliometrics” conducted by Clarivate analytics (17<sup>th</sup>,19<sup>th</sup> and 21<sup>st</sup> Oct, 2022).
- One-week online workshop on “Biostatistical Data Analysis and Research Methodology” by Science Tech Institute, Lucknow, UP (21<sup>st</sup> – 27<sup>th</sup> Dec, 2022)
- 2<sup>nd</sup> International Science Communication Congress & 22<sup>nd</sup> Indian Science Communication Congress (ISCC-2022) on "Science writing for journalism and communication" in *virtual mode* (20<sup>th</sup>-21<sup>st</sup> Dec, 2022).

Successfully completed online courses conducted by NPTEL:

- ❖ Health Research Fundamentals”-ICMR-National institute of epidemiology
- ❖ Enhancing Soft Skills and Personality
- ❖ Introduction to professional scientific communication
- ❖ Academic writing
- ❖ Fundamentals of R software

### **Scientific presentations:**

- Knowledge Translation (Kt) Cross-disciplinary National Conference & Hands –On Workshop. Organized by *The Kerala State Higher Education Council (KSHEC)* on 16<sup>th</sup> & 17<sup>th</sup> Dec 2022  
Title: Clinical-Research-Capacity Building for Undergraduate Medicos: Outcome Analysis of a National Short Term Program
- International Seminar on “Infection and Immunity”, Dept of Biotechnology, SNR sons college, Coimbatore (2015).
- International Conference on Recent advances in Bionano- Science and technology, Hindusthan College of Arts and Science, Coimbatore (2015).
- International symposium on “Public Health Emergency and Disaster Management”, Hindusthan College of Arts and Science, Coimbatore (2015).
- National Conference on “Biotechnology- Present and Future for sustainable Health Development”, SERB- New Delhi sponsored, Dr. NGP arts and science college, Coimbatore (2014).

### **Computer exposure:**

Programming languages : R- software, C-programming

Operating Systems : Windows (95, 98)

Packages : MS-Office (Word, Excel, Power Point, Outlook)