



[manjuls094@gmail.com](mailto:manjuls094@gmail.com)



I am completed my Ph.D degree in the year Jan 2025 and presently working as a guest lecturer in the Department of Industrial Chemistry; I have Accumulated 3.6 Years of Research Experience in the Field of Synthesis of Different Nanoparticles, Electrochemistry and sensor development for some drugs. My expertise includes writing articles, performing visual inspections, conducting laboratory tests and analyzing data to identify potential quality problems. I have published more than 10 articles in the reputed journals.

## CORECOMPETENCE

Nanoparticles

Laboratory tests

Research in Electrochemistry and Development of sensors

Analytical and problem-solving and research manuscript writing skills.

## TECHNICALSKILLS

- Basic Computer knowledge
- MS office
- Voltammetric Technique
- Spectrophotometer

## EDUCTAION

Completed my Doctor of Philosophy in Industrial Chemistry, Kuvempu University, Jnana Sahyadri Shankaraghatta, Shimogga Karnataka in January 2025, under the guidance of **Prof. B E Kumara Swamy** in the field of Electro chemistry.

## PROFILE SUMMARY

- With a keen eye for detail and expertise in conducting visual inspections and laboratory tests, I have a proven track record of detecting quality issues and implementing corrective actions to prevent their recurrence.
- I am adept at collaborating with cross-functional teams to identify and address quality issues and continuously improve processes to drive quality, efficiency and customer satisfaction.
- Overall, I am a dedicated and results-driven quality inspection in the food and beverages industry with a passion for ensuring that products are of the highest quality and meet customer expectations.
- My excellent communication, analytical, and problem-solving skills make me an asset to any organization committed to delivering quality products and services.

## WORKEXPERIENCE

Presently working as researcher and guest lectrurer in the department of industrial chemistry, Kuvempu University; Shimogga-

- **Laboratory skills:** Proper handling of glassware's, instruments and chemicals.
- **Analytical techniques:** Titrations like Acid-Base, Redox, Complexometric, Iodometry and Conductometric titration.
- **Spectroscopic techniques:** Theoretical knowledge regarding NMR, Mass spectrometry, IR spectroscopy, UV-visible spectroscopy.
- **Chromatographic techniques:** Theoretical knowledge about Gas Chromatography, HPLC, Paper Chromatography, Thin Layer Chromatography.
- **Instrumental techniques:** Knowledge regarding various instruments like CHI-Instrument (CHI-660 series) Conduct meter, Colorimeter and pH meter.

## PERSONALDETAILS

**Date of Birth** : 20<sup>th</sup> March 1997  
**Languages** : English, Hindi, Kannada, Telugu  
**Location** : Kudligi(TQ) Vijayanagara (Di)-583135, Karnataka. India.  
**Gender** : MALE  
**Married status** : Unmarried

*Details on published articles and PhD, kindly refer to the annexure section.*

## ANNEXURE

**Kuvempu University-  
Shankaraghatta**

**PhD Entitled on:** “**Modified Electrode Sensor for Some Drugs- A Voltammetric Study**”

**Guide:** **Prof. B E Kumara Swamy**

**Place:** Department of Industrial Chemistry Kuvempu University Jnana Sahyadri Shankaraghatta. Karnataka, India.

**Period:** From 2021-2025; Present i am working as a guest lecturer in the same department.

**Published Articles and Google scholar Link:-** <https://scholar.google.com/citations?hl=en&user=H19-5hIAAAAJ>

1. **LS Manjunatha**, BE Kumara Swamy; Cadmium oxide nanoparticle modified carbon paste electrode sensor for sulfadiazine: A voltammetric study: Inorganic Chemistry Communications 150, 110534.
2. **LS Manjunatha**, BE Kumara Swamy; Iron doped nickel oxide nanoparticle modified carbon paste electrode sensor for paracetamol in presence of ascorbic acid: A voltammetric study: Materials Chemistry and Physics, 128682.
3. **L S Manjunatha**, B E Kumara Swamy; Voltammetric Investigation of Catechol at Zinc Oxide Poly (Congo Red) Modified Carbon Paste Electrode: Analytical and Bioanalytical Electrochemistry 15 (10), 914-923.
4. **L S Manjunatha**, B E Kumara Swamy; Pre-Treated Cadmium Oxide Modified Carbon Paste Electrode Sensor for Catechol and Hydroquinone in the Presence of Resorcinol: Analytical and Bioanalytical Electrochemistry 15 (7), 531-544.
5. **L S Manjunatha**, B E Kumara Swamy, S C Sharma, C Krithika; Electrochemical activation of zinc oxide decorated graphene oxide modified carbon paste electrode surface for investigation of bisphenol-A and sulfadiazine: A voltammetric study: Materials Today Communications 38 (2024) 108012.



(Dr. Manjunatha L S)

## References

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### **1. Dr. B. E. KUMARA SWAMY** M.Sc., Ph.D., Post Doc (USA)

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