

## **Mrs.SUKANYA**

Assistant Professor

M.Sc. (Pursuing Ph.D)

Area of specialization: Electrochemistry, Chemical kinetics, Thermodynamics, Polymers, Bioanalytical and Radioanalytical techniques, Molecular Luminescence.

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## **Research**

Ph.D(pursuing), Kuvempu University

## **Publications**

- Sukanya, B.E. K Swamy, J.K. Shashikumara, Poly (benzylamine) sensor for electrochemical resolution of catechol and hydroquinone, *Materials Science for Energy Technologies* 3 (2020) 640–647
- Sukanya, B.E.K Swamy, J.K Shashikumara, Voltammetric investigation of uric acid in existence of dopamine at Poly(benzylamine) modified carbon paste electrode *Sensors International* 1 (2020) 100045
- S. D. Sukanya, B. E. K Swamy, J. K. Shashikumara, S. C. Sharma & S. A. Hariprasad, Poly (Orange CD) sensor for paracetamol in presence of folic acid and dopamine, *Scientific Reports* (2021) 11:22332
- Sukanya, B.E. K Swamy, J.K. Shashikumara, S.C. Sharma, Poly (yellow PX4R) carbon paste electrode sensor for paracetamol: A voltammetric study, *Inorganic Chemistry Communications* 140 (2022) 109394

## **Conferences**

**Papers Presented in Seminars/conference**

- Complexometric determination of Cu (II) in alloys, ores and complexes using N-acetyl L cysteine as indirect masking agent at State Level seminar on “Emerging Trends in Liquid Crystals and Coordination Compounds” on 21 and 22 August 2009 at St.Philomena’s College,Mysore
- Complexometric determination of Hg (II) using 2-Mercaptoethanol as masking agent at State Level seminar on “Emerging Trends in Liquid Crystals and Coordination Compounds” on 21 and 22 August 2009 at St.Philomena’s College,Mysore
- Complexometric determination of Tl (III) in pure solution alloys, and complexes using 2-Mercaptosuccinic acid as releasing agent at State Level seminar on “Emerging Trends in Liquid Crystals and Coordination Compounds” on 21 and 22 August 2009 at St.Philomena’s College,Mysore
- A Photo degradation of methyl orange dye studies by using Cadmium Nanoparticles at National Level Conference on “Recent Trends in Novel carbon Materials” on 22th September 2015 at Field Marshal K.M.Cariappa College,Madikeri
- A Photo degradation of methyl orange dye studies by using Zirconium Nanoparticles at National Level Conference on “Recent Trends in Chemical Sciences” on 11<sup>th</sup> and 12<sup>th</sup> January 2016 at Manipal Institute of Technology, Manipal
- Electrochemical Sensor for Uric acid in presence of Dopamine using poly(benzylamine) modified carbon paste electrode: A voltammetric study at National Level Conference on “Recent Advances Materials science” on 5<sup>th</sup> February 2019 at Field Marshal K.M.Cariappa College,Madikeri
- Poly(Benzylamine) modified sensor for Catechol in presence of hydroquinone: A voltammetric study at International Conference on “Nanotechnology” on 18<sup>th</sup> & 19<sup>th</sup> October 2019 at Srinivas University, Mukka Mangalore
- Voltammetric resolution of Paracetamol in presence of Folic acid at poly ( Yellow PXSR) Modified Carbon Paste Electrode at National Level Conference on “Innovations in Chemical Sciences (NCICS-2020)” on 30<sup>th</sup> and 31<sup>st</sup> January 2020 at University of Mysore
- Electrochemical Sensor for Uric acid in presence of Dopamine using poly(benzylamine) modified carbon paste electrode: A voltammetric study at National Level Conference

on "Recent Advances Materials science" on 12th February 2020 at Field Marshal K. M. Cariappacollege, Madikeri

- Electrochemical Investigation of Folic acid in presence of Paracetamol poly (benzylamine) modified carbon paste electrode: A voltammetric study at National Level Conference on "Frontiers of Chemical and Agricultural Sciences Development: Challenges and Opportunities (FCASDCO-2020)" on 3<sup>rd</sup> March 2020 at GovindaDasa College, Surathkal
- Electrochemical Determination of Catechol in presence of Hydroquinone at Poly (Orange CD) modified carbon paste electrode: A Voltammetric study at National Level Conference on "Climate change and Agriculture: Impacts, Adaptation and Mitigation (NCCCAIAM-2021)" on 26<sup>th</sup> March 2021 at GovindaDasa College, Surathkal
- Electrochemical Determination of Uric acid in presence of Dopamine at Poly (yellow DS5R) modified glassy carbon electrode: A Voltammetric study at National Level Conference on "Impact of Chemistry and Biology to the Society and Industry (ICBSI)" on 20<sup>th</sup> and 21<sup>st</sup> May 2022 at Kuvempu University, Shankaraghatta, Shivamogga, Karnataka

#### **Seminars/Workshops/Conference Attended**

- State Level seminar on "Modern Trends in Chemistry" on 3<sup>rd</sup> and 4<sup>th</sup> December 2004 at St. Aloysius College, Mangalore
- State Level seminar on "Biochemistry-Past, Present and Future" on 28<sup>th</sup> and 29<sup>th</sup> March 2006 at Nehru Memorial College, Sullia
- State Level seminar on "Topics in Applied Chemistry" on 5 and 6<sup>th</sup> January 2007 at St. Aloysius College, Mangalore
- State Level workshop on "Chemistry and Environment" on 18<sup>th</sup> and 19<sup>th</sup> July 2008 at Milagres College, Kallianpur, Udupi
- National Level seminar on "Modern Methods in Chemistry" on 20<sup>th</sup> and 21<sup>st</sup> February 2009 at St. Aloysius College, Mangalore
- State Level seminar on "Emerging Trends in Liquid Crystals and Coordination Compounds" on 21 and 22 August 2009 at St. Philomena's College, Mysore
- National Level workshop on "Chemistry for Sustainable Future" on 9<sup>th</sup> and 10<sup>th</sup> October 2009 at Sri Bhuvanendra College, Karkala

- National Level workshop on “Perspectives of Biotechnology in Health and Industry” on 24<sup>th</sup> and 25<sup>th</sup> February 2012 at Alva’s College, Moodbidri
- National Level seminar on “Emerging Trends in Chemical Sciences” on 14, 15 and 16 February 2013 at St. Aloysius College, Mangalore
- National Level seminar on “Advances in Biological Sciences” on 28<sup>th</sup> January 2015 at Alva’s College, Moodbidri
- National Level seminar on “Recent Trends in Chemical Sciences” on 2<sup>nd</sup> and 3<sup>rd</sup> February 2015 at St. Aloysius College, Mangalore
- National Level workshop on “Operation and Maintenance of Analytical Instruments” on 7<sup>th</sup> and 11<sup>th</sup> September 2015 at Sri Bhuvanendra College, Karkala
- National Level Conference on “Recent Trends in Novel carbon Materials” on 22<sup>th</sup> September 2015 at Field Marshal K.M. Cariappa College, Madikeri
- National Level Conference on “Recent Trends in Chemical Sciences” on 11 and 12 January 2016 at Manipal Institute of Technology, Manipal
- National Conference on “Trends and Innovations in Marine Biotechnology” on 26<sup>th</sup> February 2016 at Alva’s College, Moodbidri
- International Conference on “Conservation and Sustainable Management of Ecologically Sensitive Regions in Western Ghats” on 28 to 31<sup>st</sup> December 2016 at Alva’s College, Moodbidri
- National Conference on “Current Trends in Drug Discovery, Design and Development” on 23<sup>rd</sup> February 2017 at Alva’s College, Moodbidri
- National Conference on “Recent Advances in Chemical Biology and Material Science for Industry and Society” on 9<sup>th</sup> & 10<sup>th</sup> February 2018 at Kuvempu University, Shankaraghatta, Shivamogga, Karnataka
- National Level Conference on “Recent Advances Materials science” on 22<sup>th</sup> February 2019 at Field Marshal K.M. Cariappa College, Madikeri
- National Conference on “Secondary metabolites & healthcare” on 23<sup>rd</sup> February 2019 at Alva’s College, Moodbidri
- National Conference on “Synthetic, Spectroscopic and structural Chemistry” on 15<sup>th</sup> & 16<sup>th</sup> March 2019 at Govinda Dasa College, Surathkal

- National Conference on “Current Trends in Drug Discovery, Design and Development” on 23<sup>rd</sup> February 2017 at Alva’s College, Moodbidri
- International Conference on “Nanotechnology” on 18<sup>th</sup> & 19<sup>th</sup> October 2019 at Srinivas University, Mukka Mangalore

### **Awards and Achievements**

- Best Poster presentation award in a State Level seminar on “Emerging Trends in Liquid Crystals and Coordination Compounds” on 21 and 22 August 2009 held at St. Philomena’s College, Mysore
- Best Poster presentation award in a National Conference On “Frontiers of Chemical and Agricultural Sciences Development: Challenges and Opportunities (FCASDCO-2020)” on 3<sup>rd</sup> March 2020 held at GovindaDasa College, Surathkal

### **Academic recognitions**

- BOE member of Chemistry, Mangalore University, Konaje
- BOE member of Chemistry, SDM College (Autonomous), Ujire
- BOE member of Chemistry, St. Aloysius College (Autonomous), Mangalore
- BOE member of Chemistry, St. Agnes College (Autonomous), Mangalore