CURRICULUM VITAE

01. Personal Information

01.	Name, Designation and Address	**Dr. B.E. Kumara Swamy** Professor and Chairman Department of PG Studies and Research in Industrial Chemistry, Room No.01 Kuvempu University, Shankaraghatta, 577451, Shimoga, Karnataka, INDIA
02.	Contact Number and E-mail	+91-9900513796 Email: bek@kuvempu.ac.in, kumaraswamy21@yahoo.com, kumaraswamy21@gmail.com
03	Date of Birth	Feb 21, 1975
04	Gender and Marital	Male, Married
05	Nationality	Indian

02. Educational Qualification

Sl. No	Name of the Degree	University /Institution	Month and Year of Degree	Remarks
01	Ph. D.	Kuvempu University	August, 2002	**Topic:** Cyclic Voltammetric Investigation of Certain Organic and Inorganic Compounds of Biological and Synthetic Importance
02	Post Graduate Degree - **M.Sc-Industrial Chemistry**	Kuvempu University	June, 1997	**First Class with distinction, First Rank, Gajendraghad Gold Medal**
03	Under Graduate Degree **B.Sc** - Physics, Chemistry and Mathematics	Kuvempu University	June, 1995	**First Class with Distinction**

03. Post Doctoral Research

Sl. No	Year & Duration of the Study	University /Institution	Fellowship/Funding Agency	Title of the Work
01	**Feb 2003-Jan 2006**	Southern Methodist University, Dallas, Texas, **USA**	**National Science Foundation Fellowship (2003-2006), USA**	Study of Non-Linear Behavior in Electrochemical Oxidation of Oxygenated Organics
02	**Feb 2006 to Dec-2006**	University of Virginia, Virginia, **USA**	**University of Virginia- USA**	An Electrochemical Dopamine, adenosine sensor for *in vivo* applications

04. A. Teaching Experience

Sl. No	Designation	University/Institution	Period
01	**Professor**	Dept of PG Studies and Research in Industrial Chemistry, Kuvempu	**Dec 19, 2021 to till date**
02	Associate Professor	Dept of PG Studies and Research in Industrial Chemistry, Kuvempu	Dec19, 2021 to Dec 18, 2018
03	Assistant Professor (Grade-III)	Dept of PG Studies and Research in Industrial Chemistry, Kuvempu University	Dec19, 2018 to Dec 18, 2015
04	Assistant Professor (Grade-II)	Dept of PG Studies and Research in Industrial Chemistry, Kuvempu University	Dec19, 2015 to Dec 18, 2010
05	Assistant Professor (Grade-I)	Dept of PG Studies and Research in Industrial Chemistry, Kuvempu University	Dec19, 2010 to Dec 18, 2006
06	Guest Lecturer	Dept of PG Studies and Research in Industrial Chemistry, Kuvempu University	Sept 1997 to Feb 2003

B. Academic Programs Taught (Eg. M.Sc, (Provide a List) :

M.Sc

Electrochemistry, Polymer Chemistry and Technology, Chemical Kinetics, Spectroscopy to M.Sc Industrial Chemistry, P.G. Diploma in IQAC and Nanochemistry to M.Tech Nanoscience and Technology.

05.Honours, Awards and Recognition (provide a list)

YOUNG SCIENTIST AWARD – Nineteenth Conference of Indian Council of Chemists 2000, INDIA.

Gajendraghad GOLD MEDAL - First Rank in Industrial Chemistry, Kuvempu University, INDIA – 1997

National Science Foundation (**NSF) USA** Fellowship Feb 2003 – Jan 2006.

YOUNG SCIENTIST AWARD – 22nd Swadeeshi Science Congress 2012, India.

DEMITRIOS NIKELEIS AWARD – Cognizure, Science Letters, Journal. (2015)
DR. A.P.J ABDUL KALAM Life Time National achievement award by Christ foundation, Bengaluru (2016).
Distinguished Scientist Award in International Conference on Advances in Science & Engineering ICASE-2017 at East West Institute of Technology, Bengaluru on 19th Jan 2017.

06. Administrative Experience

Sl. No	Position	Organization	Duration	Responsibilities
01	**Assistant Director**	Prasaranga, Kuvempu University	Sept 27, 2011 to Sept 1, 2015	Publications, Books, Workshops and Conferences
02	**Deputy Registrar**	Development Section	July 26, 2015 to Sept 11, 2020	As per the University Norms
03	**Deputy Registrar**	SPD, Section	July 26, 2017- June 14, 2019	As per the University Norms
04	**Deputy Director**	Internal Quality Assurance Cell, Kuvempu University	Jan 2019 till to Aug 2022	As per the University Norms
05	Data Validation and Verification (DVV) Expert member	National Assessment and Accreditation Council NAAC (Autonomous Institution of UGC), Govt of India	March 2019 April 2023	As per the NAAC Norms
06	**Chairman**	Dept of Industrial Chemistry, Kuvempu University	March 2019 to June 2021 May 15, 2023 to till date	As per the University Norms
07	**Chairman**	Board of Studies, Dept of Industrial Chemistry, Kuvempu University	Sept 21, 2020 till to March 2024	As per the University Norms
08	**Deputy Registrar**	HRM Section	Sept 17, 2021 to Aug 8, 2022	As per the University Norms
09	**Special Officer to Vice-Chancellor Kuvempu University**	**Research and Development Kuvempu University**	**Nov 24, 2020**	**As per the University Norms**

07. Publications

Scopus Information (Jan 29, 2024)

https://www.scopus.com/authid/detail.uri?authorId=12140067400

Documents : **306**
Citations : **7528**
h-index : **46**
Author ID : **1214006740**

Google Scholar Information (Jan 29, 2024)

Citations : 10076
h-index : **54**
i 10 index : 237

https://scholar.google.co.in/citations?user=tvVdZQkAAAAJ&hl=en

Web of Science (Jan 29, 2023)

Citations : 4998

h index : 41

Average citations

Per item : 29.68

https://www.webofscience.com/wos/woscc/citation-report/fa64cd89-81d0-4e85-9533-b0303d49243d-6973ac02

07.1: Study Material

Sl.. No.	Name of the Authors	Title	Programme	Publisher/ University	Year of	Pages
01	B.E.Kumara Swamy, K.R.Venugopala Reddy and T.Musturappa	Polymer Chemistry and Technology	M.Sc(Final) KUDE	Kuvempu University Distance Education	2008	204
02	B.E.Kumara Swamy	Introduction to nanotechnology	Knowledge Spreading Programme	Prasaranga Kuvemmpu University	2013	56

The US-based Stanford University has recently released a list that represents the top **2% of the most-cited scientists** in various disciplines. **Prof. B.E.Kumara Swamy** name was cited in the top 2% of the most-cited scientists in the energy section in the year 2020-21, 2021-22 and 2022-23.

Patent : Indian Patent Number : 202241058835, Publication Date : 21-10-2022

Title : A method of Natural New Binder for Carbon Paste Electrode for Voltammetry

Inventors : B.E.Kumara Swamy, Mohan Kumar and Satish Reddy

Patent : Indian Patent Number : 202341060805, Publication Date : 06-10-2023

Title : Simultaneous Detection Of Chloramphenicol And Furazolidone Antibiotics Using Single-Walled Carbon Nanotube-Based Carbon Paste Electrode

Inventors : Abhishek K J, Sathish Reddy, Veeraghavan, Lakshmi B, B.E. Kumara Swamy Mohan Kumar

07.2: Research Papers:

357. Manjunatha L.S, **B.E. Kumara Swamy**, S.C. Sharma, C.Sridhar, M.R. Sanjana and S.Kumar **(2024).** Iron Doped Nickel Oxide Nanoparticle Modified Carbon Paste Electrode Sensor for Paracetamol in presence of ascorbic acid: A Voltammetric Study**. Materials Chemistry and Physics. 313 (2024), 128682**

356. Manjunatha.L.S**, B.E.Kumara Swamy**, S.C. Sharma and C.Krithika **(2024**). 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**

355 E. Vinay Kumar, T.L. Soundarya, Anitha, **B.E. Kumara Swamy** and G. Nagaraju **(2024).** In situ growth of $BiVO_4$–Bi_2O_3 p-n heterojunction nanocomposite via facile green combustion method: Efficient photocatalytic activity under visible light, photoluminescence and biosensing applications. **Materials Chemistry and Physics 317 (2024) 129187**.

354 E. Vinay Kumar, G. Anitha **B.E.Kumara Swamy**, G.R. Suma and G. Nagaraju **(2024).** Green synthesis of polyoxometalate $Cu_3Mo_2O_9$ nanoparticles for efficient degradation of organic dyes under visible light irradiation and their photoluminescence. **Ceramics International 50 (2024) 24692-24703**

353. Rajeshwari Yemmi, **B.E. Kumara Swamy**, S.C. Sharma, C. Sridhar, Basudev Kar (2024). Voltammetric sensor for amaranth at zinc oxide nanoparticle modified carbon paste electrode. **Inorganic Chemistry Communications 161 (2024) 112133**

352. N. Vaibhav, **B.E. Kumara Swamy**, L.S. Manjunatha, K.G. Manjunatha and S.C. Sharma **(2024).** Electrochemical determination of uric acid in presence of folic acid using synthesized cobalt oxide modified carbon paste electrode. **Inorganic Chemistry Communications 165(2024) 112469**

351. E. Vinay Kumar, T.L. Soundarya, **B.E. Kumara Swamy**, Anitha and G. Nagaraju **(2024).** Butea monosperma aided green synthesis of α-MoO_3 nanoparticles: Biosensing and photocatalytic activity towards hazardous dyes and rangoli colorants. **Environmental Nanotechnology, Monitoring & Management** 21 (2024) 100930

350. R.N.Nandini, J. Deepak, S.C. Sharma, B.R. Radha Krushna, Puneeth, R. Sowjanya V. S. Varalakshmi, S. Sahu, B.Sargunam, H. Nagabhushana, **B.E. Kumara Swamy** , S.S.Ruthwik **(2024).** Graphene oxide based Gd_2O_3:Eu^{3+} nanocomposites: A multifaceted approach to advanced energy storage and bio sensing applications. **Inorganic Chemistry Communications 165 (2024) 112515**

349. R.N.Nandini, J. Deepak, S.C. Sharma, B.R. Radha Krushna, Puneeth, R. Sowjanya V. S. Varalakshmi, S. Sahu, B.Sargunam, H. Nagabhushana, **B.E. Kumara Swamy** , M. Shankar **(2024).** Synergistic doping strategies boosting electrochemical performance: GO-Y2O3: Eu3+/ Li+ nanocomposites for supercapacitor and biosensor applications. **Inorganic Chemistry Communications 164 (2024) 112397**

348. S.B. Arpitha, **B. E. Kumara Swamy,** S.C.Sharma, M.R.Sanjana and S.Varamahalakshmi **(2024).** Voltammetric Study of Dopamine at Tavaborole Modified Carbon Paste Electrode. **Sensing Technology 2 (2024) 2305873**.

347. G.S. Sumanth, **B.E. Kumara Swamy,** K. Chetankumar (2023). Poly DY 11/Zn/CuO modified electrochemical sensor for the detection of catechol and hydroquinone: A voltammetric study. **Materials Chemistry and Physics 296 (2023) 127349**

346. S. D. Sukanya, **B. E. Kumara Swamy**, J. K. Shashikumara, S. C. Sharma and S. A. Hariprasad **(2023).** A novel, extreme low-cost poly (Erythrosine) modified pencil graphite electrode for determination of Adrenaline **Scientific Reports** 13 (2023) 4523

345. G.S. Sumanth, **B.E. Kumara Swamy,** K. Chetankumar (2023). Facile fabrication of copper oxide modified sensor for determination of Mycophenolate mofetil in biological fluids : A cyclic voltammetric study. **Materials Chemistry and Physics 307 (2023) 128118**

344. Rukaya Banu, **B.E. Kumara Swamy** and Anup Pandith **(2023).** A Selective Electrochemical Sensing of Serotonin and Epinephrine at Glassy Carbon Electrode Modulated with Brilliant Green: A Voltammetric Study. **Current Analytical Chemistry** 19 (2023) 339-347

343. K.J.Gururaj, **B. E. Kumara Swamy,** Roberto Flores-Moreno and K.P.Urbina **(2023).** Theoretical and Cyclic Voltammetric Analysis of Asparagine and Glutamine Electrocatalytic Activities for Dopamine Sensing Applications. **Catalysts 13 (2023) 100**

342. Manjunatha.L.S, **B.E.Kumara Swamy** and K.G.Manjunatha **(2023**). Cadmium oxide Nanoparticle Modified Carbon Paste Electrode Sensor for Sulfadiazine: A Voltammetric Study. **Inorganic Chemistry Communications** 150 (2023) 110534

341. S.B. Arpitha, **B.E. Kumara Swamy,** J.K. Shashikumara **(2023).** An efficient electrochemical sensor based on ZnO/Co3O4 nanocomposite modified carbon paste electrode for the

sensitive detection of hydroquinone and resorcinol. **Inorganic Chemistry Communications** 152 (2023) 110656

340. Rukaya Banu and **B. E. Kumara Swamy (2023).** Electrochemical Sensor Facilitated by the Synthesis of Cadmium Oxide Nanoparticles Amplified Pre-treated Carbon Paste Electrode for Quantification of Serotonin in the Presence of Epinephrine. **Analytical Bioanalytical Electrochemistry** 15 (2023) 102-117

339. K. G. Manjunatha, **B. E. Kumara Swamy**, K. A. Vishnu Murthy, and Mohan Kumar **(2023).** Simultaneous Determination of Acetaminophen in the Presence of Adrenaline at BiVO4/MCPE: A Cyclic Voltammetry Study. **Analytical Bioanalytical Electrochemistry** 15 (2023) 342-355

338. S.B. Arpitha, **B. E. Kumara Swamy** and Rukaya Banu (2023). Electrochemical Studies of Catechol and Hydroquinone at Poly(Nigrosine) Modified Carbon Paste Electrode: A Cyclic Voltammetric Study. **Sensing Technology** 1 (2023) 2258789

337. Manjunatha L.S and B.E. Kumara Swamy (2023). Voltammetric Investigation of Catechol at Zinc Oxide Poly (Congo red) Modified Carbon Paste Electrode. **Analytical Bioanalytical Electrochemistry** 15 (2023) 914-923.

336. M. Shruthi Vishwanath, **B.E. Kumara Swamy** and K.A. Vishnumurthy **(2023).** Zinc Oxide Modified Carbon Paste Electrode Sensor for the Voltammetric Detection of L-tryptophan in presence of Uric acid and Ascorbic acid. **Inorganic Chemistry Communications** 150 (2023) 110555

335. J.K. Shashi Kumara, **B.E. Kumara Swamy**, G.K. Jayaprakash, S.C. Sharma, R.F.-Moreno, Kaustubha Mohanty and S.A. Hariprasad **(2022)**. Effect of TX-100 pretreatment on carbon paste electrode for selective sensing of dopamine in presence of paracetamol. **Scientific Reports** 12 (2022) 20292

334. Mohan Kumar, **B.E.Kumara Swamy**, C.Sravanthi, M.Praveen Kumar, Gururaj Kudur Jayaprakash **(2022)**. $NiFe_2O_4$ nanoparticle modified electrochemical sensor for the voltammetric study of folic acid and paracetamol**. Materials Chemistry and Physics** 284 (2022) 126087

333. T.S. Sunil Kumar Naik Amith G. Anil, **B.E. Kumara Swamy**, Simranjeet Singh, V. Madhavi, S.M. Raghavendra, Praveen C. Ramamurthy **(2022).** A novel electrochemical sensor based on 2,6-bis (2-benzimidazoyl) pyridine for the detection of Bisphenol A. **Materials Chemistry and Physics** 275 (2022) 125287

332. Rukaya banu, B.E. Kumara Swamy and Eno Ebenso (2022). Voltammetric analysis of serotonin and epinephrine in presence of guanine and adenine at Bismarck brown R amplified pencil graphite electrode. **Inorganic Chemistry Communications** 144 (2022) 110013

331. Rukayya Banu and **B.E.Kumara Swamy (2022).** Poly (Bromocresol purple) incorporated pencil graphite electrode for concurrent determination of serotonin and levodopa in presence of L-Tryptophan: A voltammetric study
Inorganic Chemistry Communications 141 (2022) 109495

330. Rukayya Banu, **B.E.Kumara Swamy**, G.K.Jayaprakash and S.C.Sharma **(2022)** Simultaneous resolution of serotonin and epinephrine at poly (Victoria blue B) amplified

carbon paste electrode: A voltammetric study with density functional theory evidences **Inorganic Chemistry Communications** 144 (2022) 109627

329. Rukaya banu, B.E. Kumara Swamy and Eno Ebenso **(2022).** A Glassy Carbon Electrode Modulated with Poly (Naphthol green B) for Simultaneous Electroanalysis of Serotonin and Epinephrine in Presence of L-tryptophan. **Inorganic Chemistry Communications** 145 (2022) 110013

328. K.G.Manjunatha, **B.E.Kumara Swamy**, G.K.Jayaprakash, S.C.Sharma, P.Lalitha and K.A.Vishnumurthy **(2022).** Cyclic Voltammetric Determination of Paracetamol at Cu doped ZnO/Nanoparticle with TX-100-Surfactant MCPE. **Inorganic Chemistry Communications** 142(2022) 109630

327. Rukayya Banu, **B.E.Kumara Swamy** and Eno Ebenso **(2022).** Voltammetric analysis of serotonin and epinephrine in the presence of guanine and adenine at Bismarck brown R amplified pencil graphite electrode. **Inorganic Chemistry Communications** 144 (2022) 109868

326. T.S. Sunil Kumar Naik, Arul Varman Kesavan, **B.E. Kumara Swamy**, Simranjeet Singh, Amith G. Anil, V. Madhavi and Praveen C. Ramamurthy **(2022).** Low cost, trouble-free disposable pencil graphite electrode sensor for the simultaneous detection of hydroquinone and catechol**. Materials Chemistry and Physics** 278 (2022) 125663

325. Sukanya, **B.E.Kumara Swamy**, J.K.Shashi kumara and S.C.Sharma **(2022).** Poly (yellow PX4R) carbon paste electrode sensor for paracetamol: A voltammetric study **Inorganic Chemistry Communications** 140 (2022) 109394

324. T. S. Sunil Kumar Naik**, B. E. Kumara Swamy,** Simranjeet Singh, Joginder Singh, E. 4ndrajith Naik, G. K. Jayaprakash, Praveen C. Ramamurthy **(2022).** Fabrication and theoretical analysis of sodium alpha‐olefin sulfonate‐anchored carbon paste electrode for the simultaneous detection of adrenaline and paracetamol. **Journal of Applied Electrochemistry** 52 (2022) 697-708

323. M. Shruthi Vishwanath, **B. E. Kumara Swamy** and K. A. Vishnumurthy **(2022).** Electrochemical detection of bisphenol A in presence of catechol and hydroquinone at copper oxide modified carbon paste electrode. **Materials Chemistry and Physics** 289 (2022) 126443

322. K.J.Gururaj, Roberto Flores-Moreno3, B.E. Kumara Swamy, Kaustubha Mohanty and Pravesh Dhiman **(2022).** Pre/post electron transfer regioselectivity at glycine modified graphene electrode interface for voltammetric sensing applications. **Journal of Electrochemical Science and Engineering** 12(5) (2022) 1001-1008

321. Rajendrachari Shashanka, Gururaj Kudur Jayaprakash, Prakashaiah B.G, Mohan Kumar and **B.E Kumara Swamy (2022).** Electrocatalytic determination of ascorbic acid using a green synthesised magnetite nano- flake modified carbon paste electrode by cyclic voltammetric method. **Materials Research Innovations**. https://doi.org/10.1080/14328917.2021.1945795

320. K. Gangadhara Reddy, Sathish Reddy, **B.E. Kumara Swamy**, Mohan Kumar, K. N. Harish, C. S. Naveen, G. Ranjith Kumar, and T. Aravinda. **(2022)** Electrochemical Detection

of Uric Acid by using NiO Nanoparticles. **Analytical Bioanalytical Electrochemistry** 14 (2022) 432-443

319. Sukanya, **B. E. Kumara Swamy,** J. K. Shashikumara (2022) Electroanalytical detection of Uric acid on Blue HEGN modified glassy carbon electrode by Voltammetry. **Analytical Bioanalytical Electrochemistry** 14 (2022) 1114-1125

318. Enyioma C.Okpara, Omolola E.Fayemi, El-Sayed M.Sherif, Pattan S.Ganesh, B.E. Kumara Swamy and Eno E.Ebenso **(2022).** Electrochemical evaluation of Cd2+ and Hg^{2+} ions in water using ZnO/Cu2ONPs/PANI modified SPCE electrode. **Sensing and Bio-Sensing Research** 35(2022), 100476

317. M. Shruthi Vishwanath, **B. E. Kumara Swamy** and K. A. Vishnumurthy **(2022).** Nickel Oxide Modified Carbon Paste Electrode for the cyclic voltammetric Detection of L-Tryptophan and Uric acid. **Analytical Bioanalytical Electrochemistry** 14 (2022) 89-99

316. K. Chetankumar, **B.E. Kumara Swamy**, S.C. Sharma and S.A. Hariprasad **(2021).** Coomassie brilliant blue G 250 modified carbon paste electrode sensor for the voltammetric detection of dihydroxybenzene isomers. **Scientific Reports** 11 (2021) 15933

315. J.K. Shashikumara, **B.E. Kumara Swamy**, S.C. Sharma, S.A. Hariprasad and Kaustubha Mohanty **(2021)**. Poly (Red DSBR)/ Al-ZnO Modified Carbon Paste Electrode Sensor for Dopamine : A Voltammetric Study. **Scientific Reports** 11 (2021) 14310

314. K. Chetankumar, **B.E. Kumara Swamy**, S.C. Sharma and S.A. Hariprasad **(2021).** An efficient electrochemical sensing of hazardous catechol and hydroquinone at direct green 6 decorated carbon paste electrode. **Scientific Reports** 11 (2021) 5064

313. K. Chetankumar, **B. E. Kumara Swamy,** S. C. Sharma **(2021).** Safranin amplified carbon paste electrode sensor for analysis of paracetamol and epinephrine in presence of folic acid and ascorbic acid. **Microchemical Journal** 160 (2021) 105729

312. S.D.Sukanya, **B.E. Kumara Swamy,** J K Shashikumara, S.C. Sharma and S.A. Hariprasad **(2021).** Poly (Orange CD) sensor for paracetamol in presence of folic acid and dopamine. **Scientific Reports** (2021) 11(2021) 22332.

311. H.Vidya, **B.E.Kumara Swamy,** S.C.Sharma, G. K. Jayaprakash and S.A.Hariprasad **(2021).** Effect of graphite oxide and exfoliated graphite oxide as a modifier for the voltametric determination of dopamine in presence of uric acid and folic acid. **Scientific Reports.** 11 (2021) 24040

310. Gururaj Kudur Jayaprakash, **B.E. Kumara Swamy**, Shashank. R., S.C. Sharma, Roberto Flores-Moreno **(2021)**. Dual descriptor analysis of cetylpyridinium modified carbon paste electrodes for ascorbic acid sensing applications. **Journal of Molecular Liquids** 334 (2021) 116348.

309. Mohan Kumar, **B.E. Kumara Swamy,** B.Hu, M.Wang, G. Yasin, B. Liang, H.D. Madhuchandra, Wei Zhao **(2021).** Electrochemical activation of copper oxide decorated graphene oxide modified carbon paste electrode surface for the simultaneous determination of hazardous Di-hydroxybenzene isomers**. Microchemical Journal** 168 (2021) 106503.

308. J.K.Shashikumara, B.Kalaburgi, **B.E.Kumara Swamy**, H.Nagabhushan, S.C.Sharma and P.Lalitha **(2021).** Effect of RGO-Y_2O_3 and RGO-Y_2O_3:Cr^{3+} Nano Composite Sensor for Dopamine**. Scientific Reports** 11 (2021), Article number: 9372.

307. S. B. Patil, B.Shivaraj Patil, S. Deepa, Udayabhanu, G. Nagaraju and **B. E. Kumara Swamy (2021).** Multifunctional $NiFe_2O_4$nanoparticles for sodium-ion batteries, sensing, and photocatalysis. **New Journal of Chemistry** 45 (2021) 21732–21741

306. B.Shivaraja, M.C.Prabhakara, H.S.Bhojya Naik, E.Indrajith Naik, R.Vishwanatha, M.Shashanka and **B.E.Kumara Swamy (2021).** Optical, bio-sensing, and antibacterial studies on Ni-doped ZnO nanorods, fabricated by chemical co-precipitation method. **Inorganic Chemistry Communications** 134 (2021), 109049

305. J.K. Shashikumar, **B.E. Kumara Swamy,** K. Chetankumar (2021). Sensitive and selective sensor for 3, 4-dihydroxyphenethylamine and uric acid at poly (Orange CD) modified carbon paste electrode. **Chemical Data Collections** 32 (2021) 100661

304. K. Chetankumar, **B.E. Kumara Swamy**, H.S. Bhojya Naik **(2021).** MgO and MWCNTs amplified electrochemical sensor for guanine, adenine and epinephrine. **Materials Chemistry and Physics** 267 (2021) 124610

303. H.A.Deepa,G.M.Madhu, and **B.E.Kumara Swamy (2021),** Evaluation of performance characteristics of nano $TiO_2$and TiO_2-ZnO composite for DSSC applications and electrochemical determination of potassium ferrocyanide using cyclic voltammetry **Materials Research Express**, 8 (2021), 125004

302. K.G. Manjunatha, **B.E. Kumara Swamy**, H.D. Madhuchandra and K.A. Vishnumurthy **(2021).** Synthesis, characterization and electrochemical studies of titanium oxide nanoparticle modified carbon paste electrode for the determination of paracetamol in presence of adrenaline. **Chemical Data Collections** 31 (2021) 100604

301. Mohan Kumar, Y. Fu, M.Wang, **B.E. Kumara Swamy,** K.J. Gururaj, W. Zhao (2021). Influence of cationic surfactant cetyltrimethylammonium bromide for electrochemical detection of guanine, uric acid and dopamine. **Journal of Molecular Liquids** 321 **(2021)**, 114893

300. K.Chetankumar, **B.E. Kumara Swamy** and T.S.Sunil Kumar Naik **(2020).** A reliable electrochemical sensor for detection of catechol and hydroquinone at MgO/GO modified carbon paste electrode**. Journal of Materials Science: Materials in Electronics. 31 (2020)** 19728–19740

299. T.S. Sunil Kumar Naik, Amith G. Anil, **B.E. Kumara Swamy**, Simranjeet Singh , V. Madhavi S.M. Raghavendra and Praveen C. Ramamurthy **(2021)**. A novel electrochemical sensor based on 2,6-bis (2-benzimidazoyl) pyridine for the detection of Bisphenol A. **Materials Chemistry and Physics** 275 (2021) 125287

298. K.G. Manjunatha, **B.E. Kumara Swamy**, H.D. Madhuchandra , K.J. Gururaj and K.A. Vishnumurthy **(2021).** Synthesis and Characterization of MgO Nanoparticle and their Surfactant Modified Carbon Paste Electrode Sensing for Paracetamol. **Sensors International (Inpress)**

297. Amit. B. Teradale, Pattan Siddappa Ganesh, Shekar. D. Lamani, **B. E. Kumara Swamy** and Swastika. N. Das **(2021).** Electrochemical investigation of allopurinol polymerised carbon paste electrode interface for epinephrine and folic acid sensing in pharmaceutical samples. **Materials Research Innovations,** 17 (2021) 1975988

296. N. Raghavendra . **B. E. Kumara Swamy (2021).** Elaeocarpus Seed Extraction and Their Impact as a Corrosion Inhibitor for Mild Steel Submerged in HCl Wash Solution: Insight from Experimental, Mathematical, and Theoretical Views. **Journal of Failure Analysis and Prevention**. 21 (2021) 1096

295. E. Indrajith Naik, H.S.Bhojya Naik, **B.E.Kumara Swamy,** R. Viswanath, I.K. Suresh Gowda, M.C. Prabhakara and K. Chetankumar **(2021).** Influence of Cu doping on ZnO nanoparticles for improved structural, optical, electrochemical properties and their applications in efficient detection of latent fingerprints. **Chemical Data Collections** 33 (2021) 100671

294. K.Chetankumar, **B.E. Kumara Swamy** and S.C. Sharma **(2020).** Fabrication of voltammetric efficient and sensitive sensor for catechol, hydroquinone and resorcinol at MgO modified pre-treated carbon paste electrode. **Materials Chemistry and Physics** 252 (2020) Article 123231.

293. C. Akhila, P. Lalitha, S. C. Sharma and B. E. Kumara Swamy **(2021).** FT-IR fingerprinting as an Analytical tool for determination of Melamine leaching from Melamine tablewares and their Biological implications. **Journal of Food Science and Technology 58 (2021) 855–861**

292. K.J.Gururaj, B.E.Kumara Swamy, S. C. Sharma , J.J. Santoyo-Flores **(2020).** Analyzing electron tansfer properties of ferrocene in gasoline by cyclic voltammetry and theoretical methods. **Microchemical Journal** 158 (2020) 105116.

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01. **B.E.Kumara Swamy,** E.V.S. Subrahamanyam, B.S. Sherigara and G.Venkateswaran. (2000). Cyclic voltammetric behaviour of levodopa [3-3,4-dihydroxyphenyl)-L-alanine] at Platinum electrode in pyrophosphate media. **Bulletin of Electrochemistry 16 : 533 - 536.**

07.3 : Book Chapters

Sl No	Authors	Title	Publisher	Year
01	K. Chetankumar, B. E. Kumara Swamy, S. C. Sharma	Electrochemical Investigations of Environmental Pollutants Catechol and Hydroquinone at Perchloric Acid Pre-treated Glassy Carbon Electrode: A Voltammetric Study.	NOVA Science Publishers	2021-01-01
02	K.J.Gururaj, B.N.Chandrashekhar and B.E.Kumara Swamy	Graphene Modified Carbon Micro-Surfaces in Voltammetric Sensing Applications	CRC Press	2017-10-01
03	B.N.Chandrashekhar, A.S.Smitha, K.Jagadhish, Srikanta Swamy, B.E.Kumara Swamy, K.K.Sadashiavn	Smart Polymer Nanocomposites: Energy Harvesting, Self-Healing and Shape	Springer	2017-09-01

05.5: Research Paper published in the Proceedings of the seminar/ Conferences/ Symposium.

01. A.Sathisha and **B.E. Kumara Swamy (2014).** Electrochemical Determination Of Serotonin At SDS/MWCNT Modified Carbon Paste Electrode: A Cyclic Voltammetric Study. Two day "**National seminar on Nanostructured materials (NSM- 2014)"** Dept. of Chemistry, NSS Hindu College, Changanacherry, Kerala on Aug 12-13, 2014.

02. C. C. Vishwanath and **B.E.Kumara Swamy (2014).** Sodium Alpha Olefin Sulphonate/MWCNT Modified Carbon Paste Electrode For Selective Determination Of Folic Acid. Two day "**National seminar on Nanostructured materials (NSM- 2014)"** Dept. of Chemistry, NSS Hindu College, Changanacherry, Kerala on Aug 12-13, 2014.

03 Mohan Kumar and **B. E. Kumara Swamy (2014).** FE_2O_3 nanoparticles modified carbon paste electrode for the detection of uric acid: a cyclic voltammetry study. Two day "**National seminar on Nanostructured materials (NSM- 2014)"** Dept. of Chemistry, NSS Hindu College, Changanacherry, Kerala on Aug 12-13, 2014.

04. P.S.Ganesh and **B.E.Kumara Swamy (2014).** SDS/MWCNT Modified Carbon Paste Electrode For The Electroanalysis Of Uric Acid. Two day "**National seminar on Nanostructured materials (NSM- 2014)"** Dept. of Chemistry, NSS Hindu College, Changanacherry, Kerala on Aug 12-13,2014.

05. N.B Ashoka, **B. E Kumara Swamy**, K.V Harish, Chetan M Kuskur and H.Jayadevappa **(2014).** Synthesis, Characterization Of Calcium Ferrite Nanoparticles And Their Modified Carbon Paste Electrode For The Electrochemical Investigation Of Ascorbic Acid. Two day "**National seminar on Nanostructured materials (NSM- 2014)"** Dept. of Chemistry, NSS Hindu College, Changanacherry, Kerala on Aug 12-13,
2014.

06. B.E.Kumara Swamy **(2012).** Cyclic Voltametry and Its Applications. Two Day

"National Symposium Cum Workshop On Carbon Materials" Dept of Chemistry, Govt College of Arts, Science and Commerce Sanquelin, **Goa University, Goa.**

07. R. Shashanka and **B.E. Kumara Swamy (2011).** Fabrication of Silver Nanoparticle Modified Carbon Paste Electrode and its Sensor Applications. *Second International Conference on Nanotechnology and Biosensors (ICNB-2) 2011*(p.35-37) organized by Department of Chemistry, Department of Electronics, Raghu Engineering College, Affiliated to University of Kakinada, Vishakapatam, Andra Pradesh during Dec 27-28, 2011.

08. Sathish Reddy, **B.E. Kumara Swamy**, H.Jayadevappa,and B.S.Sherigara **(2011).** Synthesis of ZnO Nanorods Bundles in Non-Aqueous Media and Their application to Electrochemical Dopamine Sensing. *National Conference on Nanostructured Materials and Nanocomposites 2011* (198-202) organized by Department of Chemistry, NSS College, Ottapalam, Palappuram PO, Palakkad, Kerala, India during March 17 - 18, 2011.

09. Umesh Chandra, **B. E. Kumara Swamy**, Sathish Reddy, Ongera Gilbert and B.S. Sherigara **(2011).** Synthesis of Cuo Nanoparticles and Its Application as Sensor for the Detection of Dopamine: A Cyclic Voltrammetric Study. *National Conference on Nanostructured Materials and Nanocomposites 2011* (p.239-244) organized by Department of Chemistry, NSS College, Ottapalam, Palappuram PO, Palakkad, Kerala, India during March 17 - 18, 2011.

10. Sathish Reddy, **B.E. Kumara Swamy**, T.E.Musturappa, H.Jayadevappa B.S.Sherigara. Synthesis of ZnO/CTAB nanocomposite particles and their application as a sensor for determination of dopamine and ascorbic acid by using a cyclic voltammetry technique. *International Conference on Nanomaterials – Synthesis, Characterization and Applications 2010 (*PP- 60) Organized by Centre of Nanoscience and Nanotechnology, Mahatma Gandi university, Priyadarshini Hills, P.O. Kottayama, Kerala, INDIA 686560 April 27-29, 2010.

11. Ongera Gilbert, B.E. Kumara Swamy, Umesh Chandra, B.S. Sherigara.(2009). *Electroanalysis and simultaneous determination of dopamine in the presence ofascorbic acid using poly (p-amino benzene sulphonic acid) modified carbon paste electrode. International Conference on Recent Advances in Industrial Electrochemical Science and Technology (ICRAIEST-2009) (p. 289-293).* organized by Department of Chemistry, Mangalore University, Mangalagangotri during 5-7 November 2009.

12. Umesh Chandra, **B.E. Kumara Swamy**, Ongera Gilbert, S. Sharath Shankar, B.S. Sherigara.(2009). Electrocatalytic Oxidation of Dopamine at Silica Gel Modified Carbon Paste Electrode. *International Conference on Recent Advances in Industrial Electrochemical Science and Technology (ICRAIEST-2009)* (p. 274-277). organized by Department of Chemistry, Mangalore University, Mangalagangotri during 5-7 November 2009.

13. G.P.Mamatha, **B.E. Kumara Swamy,** J.G.Manjunatha, Rekha, .B.S.Sherigara (2009). Cyclic Voltammetric Studies of Norepinephrine at Carbon

Paste Electrode. *International Conference on Recent Advances in Industrial Electrochemical Science and Technology (ICRAIEST-2009)* (p.157-160) organized by Department of Chemistry, Mangalore University, Mangalagangotri during 5-7 November 2009.

14. K.B.Venkatesh, Yadav D Bodke, S.A.Biradar and **B.E.Kumara Swamy**(2009). Synthesis and Electrochemical Studies of Bromo- Substituted Benzofuran Containing Schiff Base Bridged with Quinoline Derivatives. *International conference on recent advances in Industrial Science and technology (ICRAIEST-2009)* (p.160-162) organized by Department of Chemistry, Mangalore University, Mangalagangotri during
5-7 November 2009.

15. M. Schell and **B.E. Kumara Swamy** *(2005).* Qualitative and Quantitative Information on the Role of Anions in Mechanisms for the Electrochemical Oxidation of Oxygenated Organics. *206th Meeting of The Electrochemical Society, US.* ***Proceedings of Electrode Process VII*** *(P.214 – 219) organized* in International Society of Electrochemistry, October 3-8th
2004.

16. **B.E.Kumara Swamy**, B.S.Sherigara, M.P.Yashoda and H.Jayadevappa, (2000). Cyclic Voltmmetric Investigation Of Furfuraldoxime And α-Furil Dioxime At Glassy Carbon Electrode. *Second International Seminar on Analytical Techniques in Monitoring the Environment* (p. 27-32) organized by Department of Chemistry, Sri Venkateshwara University, Tirupathi, Andra Pradesh, India.

08. Research Guidance :

08.1: Ph.D (Completed)

Sl. No	Title of the Thesis	Name of the	Year of award
01	Electrochemical Investigation of Biologically Active Organic Molecules at Chemically Modified Carbon Paste Electrode : A Cyclic Voltammetric study	M. Pandurangachar	Nov.2010
02	Cyclic Voltammetric Investigation of Some Neuro Transmitters at Modified Carbon Paste Electrode.	Ongera Gilbert (Foreign Student)	Oct 2011
03	Voltammetric Investigation of Bioactive Organic Compounds at Modified Carbon Paste Electrode.	Umesh Chandra	Nov 2012
04	Synthesis and electrochemical Studies of Certain Organic Compounds of Biological Importance.	Shreenivas M.T.	Dec 2012

05	Voltammetric Sensing of Catacholamines at Chemically Modified Carbon Paste Electrode	Chandrashekhar B.N	March 2013
06	Preparation and Characterization of Vinyl Ester Based Nano Clay Dispersed Gel Coat for Fire Retardation	Vishnu Mahesh K. R.	April 2013
07	Development of Neurotransmitter Sensor Using Chemically Modified Carbon Paste Electrode by Voltammetric Investigations.	Sharath Shankar. S.	May 2013
08	Electrochemical Studies of Organic Compounds at Different Modified Electrodes	Mahanthesha.K.R.	Jan 2014
09	Voltametric Investigations of some drugs at Modified Carbon Paste Electrode	Rekha	June 2016
10	Cyclic voltammetric investigations of certain organic compounds of biological importance at modified different electrodes	Sathisha.A.	Dec 2018
11	Synthesis and characterization of some nanomaterials and their electrochemical sensors for biologically important compounds	Mohan Kumar	Dec 2016
12	Electroanalysis of some biomolecules at modified carbon paste electrode : A Voltammateirc study	P.S.Ganesh	March 2016
13	Electrochemical studies of some bioactive molecules at nanomaterial carbon paste electrode : A Voltammateirc study	H.Vidya	June 2017
14	Voltammetric investigations of certain biological organic molecules at modified carbon paste electrode	C.C.Vishwanatha	July 2018
15	Electrochemical Investigations of Some Drugs : A Voltammetric Study	Sunil Kumar Naik	March 2018
16	Electrochemical Sensor for Bisphenol A : A voltammetric Study	V.Vikas	Aug 2019
17	Electrochemical Sensor for Adrenaline at different modified Electrodes	H.D.Madhuchandra	Aug 2021

18	Electrochemical Sensor for the Determination of Dopamine Using Different Modified Electrodes: A Voltammetric Study	J.K.Shashikumar	Aug 2021
19	Electrochemical Sensor for Catechol and Hydroquinone at Different Modified Electrodes: A Voltammetric Study	K.Chethankumar	Aug 2021
20	Electrochemical Sensor For The Determination Of Serotonin Using Different Modified Electrodes: A Voltammetric Study	Rukayya Banu	June 2023
21	Voltammetric Studies Of Some Biologically Important Organic Compounds At Different Modified Electrodes	Sukanya	June 2023

8.11 : Ph.D (Co-supervisor)

Sl. No	Title of the Thesis	Name of the Candidate	Year of award
01	Cyclic Voltammetric Studies Of Some Bioactive Molecules At Chemically Modified Carbon Paste Electrode	J.G.Manjunatha	Dec 2011
02	Cyclic Voltammetric Investigation of Some organic compounds at Modified Carbon Paste Electrode.	Chitravathi	Feb 2013
03	Synthesis and Characterization of some nanometal oxides and their application as electrochemical sensor	Sathish Reddy	April 2013
04	Voltammetric sensing of catecholamines at chemically modified Carbon paste electrode	Sathish T.V.	Dec 2013

08.2: Ph. D (Ongoing)

Sl. No	Title of the Thesis	Name of the Candidate	Year of registration
01	Electrochemical Investigations of Organic Compounds at Different Modified Carbon Paste electrodes	Sukanya	Dec 2018 Submitted Thesis on Feb 2023
02	Electrochemical Sensor for Serotonin at different modified Electrodes	Rukaya Banu	Feb 2019 Submitted Thesis on Feb 2023

08.3: M.Phil (Completed)

Sl. No	Title of the Thesis	Name of the Candidate	Year of award
01	Cyclic Voltammetric Investigation of Mitoxantrone at Carbon Paste and Glassy Carbon Electrodes.	T.Roopa	2008
02	Electrochemical Investigation of Dopamine at Modified Alcian Blue Carbon Paste Electrode.	Rekha	2009
03	Electrochemical Studies of Dopamine at Chemically Modified Alizarin Carbon Paste Electrode.	K.R.Mahanthesha	2010

08.4: Student Project Guidance (provide the total number**) : 254**

09. Research Projects

Sl. No	Investigator/ Co-investigator	Title of the Project	Funding Agency	Amount	Man Power appointed /Trained	Duration and Status (Ongoing/Completed)
01	Investigator	Electrochemical Studies of Modified Carbon Nanotube Micro Electrode Based Sensor for the Detection of Adenosine Concentration by using Scan Cyclic Voltammetry	DST, New Delhi	Rs.23.32 lakhs	Man Power Appointed	Completed

02	Investigator	Investigations of Metal ions Present in Medicinal plants used for Anti diabetic activity by using Stripping Voltammetry	UGC Minor	Rs.0.38 lakhs	Self	Completed
03	Co-Investigator Principal Investigator from May 2010	Preparation And Characterisation Of Vinyl-Ester Based Nano Clay Dispersed Gel Coat For Fire Retardation In Naval Structures	Naval Research Board, New Delhi	Rs. 49.10 lakhs	Man Power Appointed	Completed
04	Co-Investigator	Innovative Approaches For Improving The Hot / Wet Performance Of Bismaleimide/Carbon Fiber Composites	Naval Research Board, New Delhi	Rs. 22.14 lakhs	Man Power Appointed	Completed
05	Co-Investigator	Development and Characterization of Non-Metallic Magnets for naval Applications	Naval Research Board, New Delhi	Rs. 10.00 lakhs	Man Power Appointed	Completed
06	Co-Investigator	Synthesis of Metal Complexes With Fused Aromatic Ligands As Potential Agents In Cancer Treatment: QSAR, DNA Binding And Cleavage Studies	UGC, New Delhi	Rs. 7.5 Lakhs	Man Power Appointed	Completed
07	Co-Investigator	Electrochemical Studies Of Adrenaline And Noradrenaline At Carbon Nanotube Modified Glassy Carbon Electrode	UGC, New Delhi	Rs. 5.5 Lakhs	Man Power Appointed	Completed

08	Co-Investigator	Synthesis and characterization of ZnO nanoparticles and electrochemical studies of Dopamine and Ascorbic acid at ZnO Nanoparticle modified carbon paste electrode	UGC, New Delhi	Rs. 7.58 Lakhs	Man Power Appointed	Ongoing
09	Co-Investigator	Electrochemical Investigation of Some Neurotransmitters and Other Bio-Organic Molecules at Modified Carbon Paste Electrode	UGC, New Delhi	Rs. 5.50 Lakhs	Man Power Appointed	Ongoing
10	Co-coordinator	M.Tech in Nanoscience and Technology	DST, Nanomission, New Delhi	Rs. 281 Lakhs		Ongoing

10. Conferences, Seminars, Training Programmes, Refresher courses, etc., Organized

Sl. No	Name of the Conference/Symposia/ Seminar	Level (University/State/ National/International)	Date(s)	Number of participants
01	Chemistry and Molecular Nanotechnology for Industry and Society. **(Co-Convener)**	National	Jan 16-17, 2009	300
02	Frontier Areas in Chemical Sciences and Nanotechnology . **(Co-Convener)**	National	May 1-2nd 2010.	300
03	International Conference on Recent Advances in Material Science **(Logistics Committee)**	International	Nov.6-8, 2012	300
04	Impact of Chemical Biology on Society, organized by Department of Industrial Chemistry, Kuvempu University (Co-Convener)	National	April 26-27, 2012	300

05	Two-day National Seminar on "Recent Trends in Chemical Biology and Material Sciences" organized by Dept Industrial Chemistry, Kuvempu University, Shankaraghatta, Karnataka	National	Februarv 9th and 10th 2018	350
06	Three – Day Crash Course on Basic Chemical Calculations (Coordinator)	University	Aug 6-8th 2019	121
07	Two Day National Conference on "Impact of Chemistry and Biology to the Society and Industry" (Convener) (ICBSI-2022)	National	May 20 and 21, 2022	256

11. Conferences, Seminars, etc Attended and Papers Presented (Provide a list and indicate whether it is a Key note address, Inaugural address or Invited talk etc.,)

Invited Talk

Sl. No	Seminar/Conference	Date(s)	Title of the Paper Presented	Remarks (indicate whether Key note address/Invited talks)
60	Webinar series on the theme of "Chemistry in Multidisciplinary Research for a Sustainable Development" organized by Sri Adichunchanagiri First garde College, Channarayapatana, Hassan, Karnataka	December 9th 2020 at 11 AM	Electrochemical Sensors for Societal Impact	Invited Talk (Webinar)

59	Two Day International Webinar on Recent innovations in Chemical Sciences 2020 (IWRICS - 2020) : organised by Karnataka Science College, Karnataka university, Dharwad, Karanara, INDIA	Dec 4, 2020 at 2.30 to 3.45 pm.	Nanoelectrochemical sensor for Neurotransmitters	Invited Talk (Webinar)
58	Webinar : Criteria III : Research, Innovation and Extension in National Level Seven Day Online Symposium on " NAAC Accreditation Process" organised by IQAC, under Aegis of UGC Scheme - PARAMARSH, B.M.S. College for Women, Bangalore	Nov 25, 2020 at 3.00 to 5 pm.	Criteria III : Research, Innovation and Extension in NAAC	Invited Talk (Webinar)
57	Five days' Workshop on "Research Methodology" University of Rajkota, Rajasthan	Oct 15, 2020	Research from starting level to higher level in Universities	Key Note Address and Invited talk (Webinar)
56	INDIAN SOCIETY OF HEATING RFRIGERATING and AIR-CONDITIONING ENGINEERS (R), MYSORE CHAPTER	Sept 16, 2020	Webinar on "International Day of Ozone Layer Preservation"	Invited Talk (Webinar)
55	P.E.S.I.T.M Shimoga (Two days Webinar)	July 14, 2020	Industrial Applications of Electrochemistry	Invited Talk (Webinar)

54	Reva University (11th Virtual Webinar), Bangalore, Karnataka	July 12, 2020	Applications of Cyclc Voltammetry in Research	Invited Talk (Webinar)
53	Key Note Speaker at National Level Conference on "Recent Novel Approaches in Chemical Sciences", held on 12th Feb 2020 at Field Marshal K M Cariappa College, (Constituent College	12th Feb 2020	Cyclic Voltammetry and its Applications in Research	Key Note Speaker
52	Invited talk at Avinashalingam University, Coimbatore, Tamil Nadu on Jan 27, 2020 topic is "Impact of ICT on Accreditation" conducted by NAAC sponsored TWO-DAY NATIONAL WORKSHOP ON "QUALITY ASSESSMENT AND ACCREDITATION UNDER REVISED ACCREDITATION FRAMEWORK"	Jan 27, 2020	Impact of ICT on accreditation	Invited talk
51	3rd **International Conference** on Direct Digital Manufacturing and Polymers to be held on 20th, 21st, **22nd** and 23rd February 2019 at Karnatak University, Dharwad, Karnataka, India	**22nd** and 23rd February 2019	Electropolymerised Modified Carbon Paste Electrode Sensor for Dopamine : A Cyclic Voltammtric Study	Invited Talk

50	National Conference on "Emerging Trends in Chemical Sciences" on Applications of "Cyclic Voltammetry in Research" talk at Dravidian University on March 11, 2019 in Kuppam, Andra Pradesh **(Invited Talk)**	March 11, 2019 in Kuppam, Andra Pradesh	**Cyclic Voltammetry in Research**	Invited Talk
49	National Conference on " Recent Advances in Analytical Techniques" at G.H.College, Haveri on Feb 28, 2019 **(Invited Talk)**	Feb 28, 2019 **(Invited Talk)**	Recent Advances in Analytical Techniques	Invited Talk
48	National Conference on "Advancement in Science and Technology" on 9th February 2019 at Govt. College, Khandola, Marcela, Goa **(Invited talk)**	9th February 2019	**Cyclic Voltammetry in Research**	Invited Talk
47	Under Alumni Association Special Invited Lecture Series topic on "Research Funding and Cyclic Voltammetry Applications in Research" on March 16, 2019 at Govt Science College, Chitradurga.	March 16, 2019	**Cyclic Voltammetry in Research**	Invited Talk

46	National Conference on "RESEARCH at Starting Level to Higher level in Universities" on 20-09-2019 at Avinashilingam University, Coimbatore, Tamil Nadu	20-09-2019	**Research in university and Its applications**	Invited Talk
45	One Day National Conference on Recent trends in Physical Sciences organized by Vidya Vardhaka Sangha First Grade College, Bangalore. **(Invited Talk)**	24th September 2018	**Cyclic Voltammetry in Research**	Invited talk
44	UGC Sponsored Basaveshwara First Grade College, Bagalkote. (Invited Talk)	08-09-2018	Research Methodology	Invited talk
43	Invited Talk on "Cyclic Voltammetry Applications in Research " at Two Days National Seminar on "Recent Developments in Chemical Sciences" in Sahyadri Science College, Shimoga on Dec 29, 2018.	29-12-2018	Cyclic Voltammetry Applications in Research	Invited Talk

42	Centre for Women Study, Kuvempu University UGC Coaching (Invited talk)		Impact of Environment to the Society	Invited talk
41	UGC Sponsored Refresher Course in Chemistry HRDC Goa University	Dec 15, 2017	**Cyclic Voltammetry in Research** and **Applications of Carbon Paste Electrode in Research**	Invited talk
40	UGC Sponsored One Day Seminar on Novel Carbon Materials	Sept 22, 2015	**Carbon Paste Electrode Sensor for Applications in Research**	Invited Talk
39	CSIR-NET Coaching, OBC Cell, Kuvempu University	Feb 20, 2015	Recent Advances in Analytical Techniques	\ Invited talk
38	Special Lecture Series Dept of MSW, Kuvempu University	April 21, 2015	Role of Neurotransmitters in Human Body	Invited talk

37	Recent Advances in Material Science organized by Department of Chemistry and Physics, Mahatma Phule Arts, Science and Commerce College, Panvel, Navi Mumbai 410206	Jan 18, 2014	Electrochemical Sensor for Dopamine : A Cyclic Voltammetric Study	Chief guest and Key Note Speaker
36	UGC Sponsored One Day National Conference On "Advanced Instrumental Methods of Chemical Analysis" Organized by A.V.K. College, Davanagere	Feb 14, 2015	Cyclic Voltammetry and Its Application in Research	Invited Talk
35	UGC Sponsored One Day Seminar on Novel Carbon Materials organized by Field Marshal K.M.Cariappa, First Grade College of Science and Arts, Madikere,Mangalore University	Sept 22, 2015	Carbon Paste Electrode Sensor for Bioactive Molecules : A Votammetric Study	Invited Talk
34	National Science day - 2015, organsed by Kumadvathi First Grade College, Shikaripura, Shimoga District	Feb 28, 2015	Science for Nation Building	Chief guest and Key Note Speaker
33	Other Back Ward Class, Kuvempu University	Feb 22, 2015	National Eligibility Test – CSIR	Special Lecture

32	Dept of PG studies and Research in Social Work, Kuvempu University	Feb 11,2015	Science and Human Behavior	Special Lecture
31	Refresher Course in Chemistry, Academic Staff College, Bangalore	March 27, 2014	Cyclic Voltammetry and Its Applications in Research and Nanomaterial Electrochemical Sensor for Dopamine : A Cyclic Voltammetric Study	Special Lecture
30	One day workshop on Research, Sir M.V.Science College, Bhadravathi	April 5, 2014	Research Methodology and Research Discipline	Special Lecture
29	Seminar on "Science, Technology and Environment" organized Dept of Chemistry, St.Xavier's College Mapusa, Goa	Feb 24, 2014	Cyclic Voltammetry and Its Applications in Research	Key Note Speaker
28	Workshop on KSET/NET organized by the Career and Counseling Cell, Kuvempu university	Nov 19, 2014	Chemistry and Environment	Invited talk
27	National Seminar "Current Trends in Scientific research for Engineering Applications" organized by St. Joseph Engineering College, Vamanjoor, Mangalore	July 17-18, 2014 (July 17, 2014)	Cyclic Voltammetry and Its Applications in Research	Invited talk

26	UGC sponsored "International Conference on Emerging Horizons in Biochemical Sciences and Nanomaterials (EHBCSN-2013) organized by Departments of Chemistry and Microbiology, Shri Shivaji Mahavidyalaya, Barshi, Maharashtra	28-30th Nov 2013	Nanomaterial Electrochemical Sensor for Dopamine : A Cyclic Voltammetric Study (Nov 28, 2013)	Invited talk
25	32nd Annual National Conference "Indian Council of Chemists" organized by Department of Studies in Chemistry, Karnataka University, Dharwad	28-30th Nov 2013	Electrochemical Sensor for Dopamine : A Cyclic Voltammetric Study (Nov 29, 2013)	Invited talk
24	National Conference on "Recent Trenads in Chemistry : Nanoascience (NCRTNS-2013) organized by Dahiwadi College Dahiwadi, Tal.Man, Dist, Satara-415508. Maharashtra	Oct 18-19, 2013	Nanomaterial Electrochemical Sensor for the Determination of some Neurotransmitters : A Cyclic Voltammetric Study (Oct 18, 2013)	Guest of Honour and Invited talk

23	National Seminar on "Recent Advances in Organo-metallic Chemistry" organized by Department of Chemistry, Rajarshi Chhtrapati Shhahu College, Kolhapur, Maharashtra	Dec 20-21, 2013	Cyclic Voltammetry and Its Applications in Research (Dec 20, 2013)	Invited talk
22	National Conference on "Frontiers of Research in Chemistry (FRC-2013)" organized by Department of Chemistry, S.G.M.College, Karad Dist- Satara, Maharashtra	Dec 26-27, 2013	Electrochemical Sensor for Dopamine: A Cyclic Voltammetric Study (Dec 26, 2013)	Chief Guest and Key note Speaker
21	DST sponsored INSPIRE INTERNSHIP organized by Sri JNNCE, Shimoga, Karnataka	Dec 29, 2013	Role of Chemistry in Environment	Invited talk
20	Two Day National Level Workshop on "Advanced Materials Research For Device Applications" organized by Departments of Physics and Chemistry, NMAM (NITTE) Institute of Technology	July 25-26, 2013	Nanomaterial Electrochemical Sensor for the Determination of Dopamine by Cyclic Voltammetric Technique	Invited Talk

19	DST sponsored INSPIRE INTERNSHIP organized by Sri Mahaveera First grade Coolleg, Mudubidri, Karnataka	Oct 23, 2012	Impact of Chemistry on Environment	Invited Talk
18	National Conference on Impact of Chemical Biology on Society, organized by Department of Industrial Chemistry, Kuvempu University	April 26-27, 2012	Sensor for Dopamine : A Cyclic Voltammetry	Invited Talk

17	One Day Workshop on Research Methodology	April 29, 2012	Impact of Research	Invited Talk
16	DST sponsored INSPIRE INTERNSHIP organized by Dr.Patangarao Kadam Mahavidyalaya, Sangli, Maharashtra	Jan 09, 2013	Biosensors Papers	Invited Talk
15	DST sponsored INSPIRE INTERNSHIP organized by Sri Mahaveera First grade Coolleg, Muodbidri, Karnataka	Oct 25, 2012	Impact of Chemistry on Environment	Invited Talk
14	Dept of Chemistry, St.Xavier's College Mapusa, Goa	March 18, 2013	Cyclic Voltammetry and Its Applications	Special Lecture
13	One Day Seminar on "Nanomaterials and Novel Sepearations" conducted by Chemical Engineering Department, M.S.Ramaiah Insttiute of Technology, Bangalore	March 29, 2012	Nanomat erial Electrochemical Sensor for Dopamine : A Cyclic Voltammetric Study	Invited Talk
12	Two Day **"National Symposium Cum Workshop On Carbon Materials"** Dept of Chemistry, Govt College of Arts, Science and Commerce Sanquelin, **Goa University, Goa.**	Jan 20 - 21 2012.	Cyclic Voltammetry and Its Applications Modified Carbon Paste Electrode : A Cyclic Voltammetric Study	Invited talk Invited talk

11	National Seminar on "Recent Developments in Inorganic, Organic Materials and Electro-Organic Synthesis" **Sri Krishnadevaraya University, Anantapur**	Feb 26, 2010	Development of Chemically Modified Carbon Paste Electrode Electrochemical Sensor for the Detection of Neurotransmitters by: A Cyclic Voltammetric Study	Invited talk
10	National Symposium on "Advances in Synthetic Methodologies and New Materials" **Shivaji University, Kohlapur, Maharashtra.**	Jan 21-22, 2011	Electrochemical Sensor for the Detection of Dopamine by Modified Carbon Paste Electrode : A Cyclic Voltammetric Study	Invited talk
09	National Conference on "Recent Trends in Analytical Techniques", at D.R.M. Science College, Davanagere University, **Davanagere.**	Feb 19th 2011	Cyclic Voltammetry : Analytical tool of great scope	Invited talk
08	DST Sponsored National Conference on "Novel Carbon Materials and their Applications" Dept of Chemistry, Govt College of Arts, Science and Commerce Sanquelin, **Goa University, Goa.**	Feb 25-26th, 2011	Applications of Modified Carbon Paste Electrode in Electroanalysis : A Cyclic Voltammetric Study	Invited talk
07	For High School Teachers at Thirthahalli organized by **Kuvempu University**.	15 March 2011	"Role of Chemical and Environmental Sciences to the Society"	Special Lecture
06	"Recent Developments in Chemistry" at B.E.T. Academy of Higher Education, Barathi Nagar, Maddur District	March 25, 2011	International Year of Chemistry : Scope and Its Applications	**Chief Guest and Key Note Address**

05	"Emerging Trends in Electrochemical Studies" **at Sri Krishnadevaraya University, Anantapur**	March 26, 2011	Electrochemical Sensor for the Detection of Dopamine by Modified Carbon Paste Electrode : A Cyclic Voltammetric Study	Invited talk
04	Dept of Chemistry, Karnataka University, Dharwad, Karnataka	March 28, 2007	Cyclic Voltammetry and Its Applications, Karnataka University	Special Lecture
03	Govt Science College, Chitradurga, Karnataka	April , 2007	Spectroscopy and Is Applications	Invited talk
02	R and D Section, Chemical Engineering Department, R.V.Engineering College, Bangalore	July 23, 2007	Electroanalytical Techniques and Its Applications	Special Lecture
01	Chemistry Teachers Association, Govt Science College, Chitradurga	March 8, 2007	Spectroscopic Techniques and Its Applications	Invited Talk

Conferences and Seminars

Sl. No	Seminar/Conference	Date(s)	Title of the Paper Presented	Remarks (indicate whether Key note address/Invited talks)
01	19th Indian Council of Chemists, Kuvempu University	Nov.27-29th 2000	Cyclic Voltammetric Studies On The Reduction Of Dimethylglyoxime In Cationic Surfactant.	**BEST PAPER PRESENTATION** in Physical Oral Section
02	Electrochemical Society of India, Indian Institute of Science, Bangalore	28th and 29th July 2000	Cyclic Voltmmetric Investigation Of Certain Oximes At Glassy Carbon Electrode	Paper Presentation
03	Second International Seminar on Analytical Techniques in Monitoring the Environment at S.V.University, Tirupati, India	Dec.18-20, 2000	Cyclic Voltmmetric Investigation Of Certain Oximes At Glassy Carbon Electrode	Paper Presentation
04	Proceedings of the Thirty-eight Annual Convention of Chemists	June 2001	Cyclic Voltammetric investigations of L-dopa (3-(3,4-dihydroxyphenyl)-L-alanine and Methyl dopa (3-(3,4-dihydroxyphenyl)-2-methyl-L-alanine at glassy	Paper Presentation

			carbon electrode in pyrophosphate media and its determination in Pharmaceutical dosage forms by differential pulse voltammetry.	
05	Tenth National Conference of Surfactants, Emulsions and Biocolloids held at NEHU, Shillong	Oct 3-5th 2001	Electrochemical Reduction Of Dimethylglyoxime At Glassy Carbon Electrode: A Cationic Surfactant Study.	Paper Presentation
06	206th Meeting of The Electrochemical Society in Honolulu, USA	October 3-8th 2004.	Qualitative and Quantitative Information on the Role of Anions in Mechanisms for the Electrochemical Oxidation of Oxygenated Organics	Paper Presentation
07	Eight International Frumkin Symposium on Kinetics of Electrode Process	Oct 18 -22, 2005	Interactions Between Unlike Surface Species	
08	Society for Neuroscience Meeting, Georgia, USA	Oct 18 2006	Development of a carbon-fiber microelectrode sensor for sub-second detection of adenosine concentrations	
09	Pittsburgh Conference on Analytical Chemistry	Jan 2007	Rapid monitoring of adenosine concentrations with fast-scan cyclic voltammetry	
10	Emerging areas in Chemical and Biological Sciences (NCEACB-2007)		Cyclic voltammetric studies of 3-aryl 4-bromo sydnone and its derivatives at glassy carbon electrode Electrochemical Investigation of Mitoxantron at carbon paste electrode Voltammetric Evaluation of Triton X-100 Modified Carbon Paste Electrode and its Application to Immobilization of Adenine and Guanine	
11	International	October	Poly(glutamic acid)	

	Conference on Biomedical Engineering & Nanotechnology, **D.Y.Patil University, Kolhapur, Maharashtra**	21-23, 2008	modified carbon paste electrode for the simultaneous determination of dopamine and ascorbic acid	
12	**2nd Bangalore Nano** Dept. of IT, BT and Science & Technology, Government of Karnataka, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) and MM Activa.	Dec 11-13th 2008	Attended	
13	Frontiers in Chemical Research (ICFCR-2008) Mangalore University	Dec 29-31, 2008	Voltametric sensing of dopamine in the presence of ascorbic acid at poly(aspartic acid) modified carbon paste electrode. Selective response of dopamine in presence of ascorbic acid at fast sulfone black f modified carbon paste electrode	Oral and Poster Presentation
14	International Conference on Recent Advances in Industrial Electrochemical Science and Technology (ICRAIEST-2009) held at Manglore, Dec 2009, Mangalore University, Mangalore	Nov 5-7th 2009	Cyclic Voltammetric Studies of Norepinephrine at Carbon Paste Electrode Cyclic Voltammetric Studies of Epinephrine at Carbon Paste Electrode Electrocatalytic Oxidation of Dopamine at Triton X-100 Modified Carbon Paste Electrode: A Cyclic Voltammetric Study Electroanalysis and simultaneous determination of dopamine in the presence ofascorbic acid using poly (p-amino benzene sulphonic acid) modified carbon paste electrode Electrocatalytic Oxidation of Dopamine at Silica Gel	

			Modified Carbon Paste Electrode.	
15	National Conference on Chemistry and Molecular Nanotechnology for Industry and Society (NCMNIS-2009) Kuvempu University	Jan 16-17, 2009	Electrochemical investigation of dopamine at chemically modified alcian blue carbon paste electrode by cyclic voltammetry Electrochemical investigation of adenosine at carbon fiber microelectrode by fast scan cyclic voltammetry Electrocatalytical oxidation of sodium levothyroxine with phenyl hydrazine as a mediator at carbon paste electrode Isopropanol modified carbon paste electrode for simultaneous determination of dopamine and uric acid Cyclic voltammetric behaviour of dopamine at Eperisone modified carbon paste electrode Cyclic voltammetric behaviour of dopamine at Methdilazine hydrochloride modified carbon paste electrode Electrocatalytic oxidation of ascorbic acid and dopamine by using phenyl hydrazine as a mediator at carbon paste electrode The electrochemical behaviours of dopamine uric acid and simultaneous determination at poly(glutamic acid) modified electrode	**First Best paper Presentation Award** Oral and Poster Presentation

			Electrocatalytic response of dopamine and ascorbic acid at poly(toludine blue) modified carbon paste electrode Synthesis, characterization and electrochemical studies of novel isoxazolines derivatives Controlled release of ibuprofen from carbopol-egg albumine matrix tablets; A kinetic and mechanistic study	
16	Nanochemistry-A science of diminished dimensions for beginners, 2009 Sahyadri Science College, Shimoga, Karnataka	March11, 2009	Electrochemical determination of Dopamine in the presence of Ascorbic Acid at Polyvinyl Alcohol Modified Carbon Paste Electrode Cyclic Voltammetric Studies of Dopamine at Bromothymol Blue Modified Carbon Paste Electrode	Poster Presentation
17	19th Swadeshi Science congress held at Kerala Kerala Agricultural University	Dec 10-12, 2009	Simultaneous Determination of Dopamine, Uric Acid and Ascorbic Acid with CTAB Modified Carbon Paste Electrode Poly (malachite green) Film Based Sensor for the Simultaneous Detection of Dopamine in presence of Ascorbic acid	**First Prize Winner Best Oral Presentation**
18	International Conference on Current Trends in Chemistry and Biochemistry held at Bangalore 2009, Bangalore University	18-19 Dec 2009	Simultaneous Investigation of dopamine and ascorbic acid at poly(tryptophan) modified carbon paste electrode: A cyclic voltammetric study Synthesis of MgO nanoparticles and their modified carbon paste	Oral and Poster Presentation

			electrode for determination of dopamine and ascorbic acid using cyclic voltammetry technique Voltammetric determination of salbutamol sulfate by alcian blue modified carbon paste electrode. Electrocatalytic Oxidation of Dopamine at Azobenzene Modified Carbon Paste Electrode: A Cyclic voltammetric study Electrochemical Studies of Dopamine at mannitol modified carbon paste electrode: A cyclic voltammetry Electrocatalytic Oxidation of Dopamine at Chemically Modified Carbon Paste Electrode with Ferrocene. Simultaneous Determination of Dopamine, Uric Acid and Ascorbic Acid with CTAB Modified Carbon Paste Electrode.	
19	State level Conference on Nanotechnology, M.Basavaiah Residential College, Sirigere, Karnataka	14th Aug 2009	Synthesis of Cu-Zn-Ni Ferrite nanoparticles and their application for the determination of dopamine	Poster Presentation
20	7th Spring Meeting of the International Society of Electrochemistry (Bioelectrocatalysis), Szczyrk, Poland	22-25 March, 2009	Electrocatalytic oxidation of dopoamine in presence of uric acid at poly (Eriochrome black T) modified graphite pencil electrode.	
21	National conference on recent advances in electroanalytical techniques, held at Gandhigram (Tamilnadu) Gandigram Insttiute of Technology	25-26th Feb 2010	Simultaneous Voltammetric determination of dopamine, ascorbic acid and uric acid using poly(glutamic acid) modified carbon paste electrode	Oral and Poster Presentation
22	Fifteenth National Convention of	Feb 18 and 19th 2010	Selective response of dopamine in presence of uric	**Chaired One Technical Session**

	Electrochemists, held at Vellor, 2010 Central Electrochemical Research Institute, Tamil Nadu		acid at a poly(calmagite) film coated graphite pencil electrode Electrochemical detection of Nor-ephinaprine at glassy carbon electrode. Catalytic capability of poly (Xylenolorenge) film based electrochemical sensor for oxidation of dopamine	Oral and Poster Presentation
23	The Second Regional Electrochemistry Meeting of South-East Asia , Maha Chulalongkoran Building, Chulalongkoran University, Bangkok, Thailand	16-19th Nov.2010	Electrochemical Studies of Dopamine, Ascorbic acid and their simultaneous determination at a Poly (rosaniline) modified carbon paste electrode	
24	International Conference on Nanomaterials : Synthesis, Charecterization and Applications. Centre for nanoscience and nanotechnology, Mahatma Gandhi University, Kerala, India	April 27-29th 2010	Synthesis of ZnO/CTAB nanocomposite particles and their application as a sensor for determination of dopamine and ascorbic acid by using cyclic voltammetric technique	
24	Two Days National Conference on Molecular Medicine and Nanobiotechnology (MMNBT) Bangalore. Sir.M.Vishveshwraya Institute of Technology and Reva Engineering College, Bangalore	Oct 13-14th 2010	Simultaneous determination of ascorbic acid, dopamine and uric acid using a poly (alanine) modified carbon paste electrode. Poly (Maleic acid) modified carbon paste electrode for simultaneous detection of dopamine in the presence of uric acid : A Cylic Voltammetric Study.	**CHAIRED THE SESSSION** **CASH PRIZE and FIRST BEST PAPER AWARD**
25		1and 2 May 2010	Determination of dopamine by Poly (Congo red) Carbon Paste Electrode: A Cyclic Voltammetric Study	Oral and Poster Presentation

	Two days National Symposium on Frontier Areas in Chemical Science and nanotechnology, Industrial Chemistry, Kuvempu University		Electrochemical investigations and simultaneous determination of dopamine and ascorbic acid at a poly (tyrosine) modified carbon paste electrode: A cyclic voltammetric study Separation and simultaneous determination of dopamine uric acid and ascorbic acid on a poly (anilineblue) modified carbon paste electrode Electrochemical behavior of poly (naphthol green B) film and its application for the determination of dopamine and uric acid Electrochemical Deposition of 1-Butyl-4-Methyl-pyridinium tetrafluroborate Ionic Liquid on Carbon Paste electrode and its Application towards the Simultaneous determination of Dopamine, Ascorbic acid and Uric acid Electrochemical Oxidation Of Dopamine At Polyethylene Glycol Modified Carbon Paste Electrode: A Cyclic Voltammetric Study Synthesis of ZnO nano particles and their application as a sensor for determination of dopamine and uric acid by using a cyclic voltammetry technique Electrochemical	

			Investigation of Adenosine at Multi Walled Carbon Nanotube Modified Carbon Fiber Microelectrode by Fast Scan Cyclic Voltammetry Simultaneous voltammetric determination of dopamine and serotonin at polypyrrole modified carbon paste electrode	
26	Advances in Synthetic Methodologies and New Materials, Dept of Chemistry, Shivaji University, Kolhapur	Jan 21-22, 2011	Electrochemical Determination of Tyrosine on Poly(L-Serine)-film Modified Carbon Paste Electrode : A Cyclic Voltammetric Study Selective Determination of Dopamine in the Presence of Ascorbic Acid Using a poly(nicotinic acid) Modified Carbon Paste Electrode Cyclic voltammetric investigation of 4-aminophenol at CTAB modified carbon paste electrode	Oral and Poster Presentation
27	Emerging Trends in Electrochemical Studies, Dept of Chemistry, Sri Krishna Devaraya University, Anantapur, Andrapradesh	March 26, 2011	Electrocatalytic oxidation of Dopamine at Murexide and TX-100 Modified Carbon Paste Electrode: A Cyclic voltammetric study Pterocarpus marsupium RoxB and SDS modified Carbon Paste Electrode for the determination of dopamine : A Cyclic Voltammetric Study Electrochemical Behavior of Doapmine at Cinnamic acid Modified Carbon Paste	Oral and Poster Presentation

			Electrode : A Cyclic Voltammetric Study Electrochemical Investigation of Norepinephrine at CTAB Modified Carbon Paste Electrode: A Cyclic Voltammetric Technique Synthesis of N-isopropylphenoxypropanolamine analogue and their Electrocatalysis for the Determination of Dopamine: A Cyclic Voltammetric Study	
28	**Recent Trends in Analytical Techniques**, Dept of Chemistry, DRM Science College, Davanagere University, Davanagere	Feb 19, 2011	Electrochemical determination of Dopamine at Methylene Succinic Acid Modified Carbon Paste Electrode: A cyclic voltammetric study **(First Prize)** Electrochemical Studies of Epineprine and Norepineprine at Nano tube Modified Glassy Carbon Electrode. Electrochemical Investigations of Doapmine at Pterocarpus marsupium RoxB and Tx-100 modified carbon paste electrode : A Cyclic Voltammetric Study Synthesis of ZnO nanoparticles and their modified carbon paste electrode for electrochemical investigation of dopamine : A cyclic voltammetric study Electrochemical	Oral and Poster Presentations

			Determination of Dopamine by cyclic voltammetric technique by Imidazolomethyl-Biphenyl Analogue modified carbon Paste Electrode	
29	**Novel Carbon Materials and their Applications** Dept of Chemistry, Govt. Arts, Science and Commerce College, Sanquelin, Goa University, Goa	Feb 25-26th , 2011	Electrochemical Biosensing of Serotonin (5-HT) Using Poly (p-Amino Benzene Sulphonic Acid) Modified Carbon Paste Electrode **(First Prize)** Electrochemical Studies of dopamine at Boric acid Modified Carbon Paste Electrode: A Cyclic Voltammetric Study Doapmine determination at Pterocarpus marsupium RoxB and CTAB modified Carbon Paste Electrode : A Cyclic Voltammetric Study Electroanalysis of Dopamine at CTAB Modified Carbon Paste Electrode by Cyclic Voltammetry Synthesis of N-isopropylphenoxypropanolamine analogue and their Electrocatalysis for the Determination of Dopamine: A Cyclic Voltammetric Study. Layered Double Hydroxide/Surfactant Modified Carbon Paste Electrode for the Simultaneous voltammetric Detection of Dopamine in presence of Ascorbic acid and Uric acid	Oral and Poster Presentation
30	International Conference on	22-23, February,	Sea Water Durability of MMT/vinylester/glass	

	Materials for future (ICMF - 2011) Government Engineering College, Trisoor, Kerala.	2011	Nanocomposites due to alkaline solution ageing and property degradations	
31	International Conference on Composites and Nanocomposites (ICCNC-2011), Mahathma Gandhi University, Kottayam, Kerala.	January, 7-8, 2011	Effect of Salt Fog Environment on MMT/vinylester/glass Nanocomposites	
32	International Conference on Composites for 21st Century: Current & Future Trends Indian Institute of Science, Bangalore.	January, 4-7, 2011	Moisture Diffusion through Nanoclay/vinylester/glass Nanocomposites due to alkaline solution ageing and property degradations	
33	International Conference on Advanced Materials, Manufacturing, Management and Thermal Sciences [AMMMT-2010], Siddaganga Institute of Technology, Tumkur-572103, Karnataka, India	November 18-19th 2010	Effect Of Nanoclay Dispersion On The Mechanical And Fire Retardation Properties Of Vinylester/Carbon Nanocomposites Using Twin Screw Extrusion	
34	International Conference On "Convergence Of Science & Engineering In Education And Research, A Global Perspective In The New Millennium"(ICSE-2010), Dayanand College of Engineering, Bangalore, Karnataka, India	April 21-23, 2010	Experimental Study on Dispersion of Nanoclay into Vinylester Using Ultrasonication and Twin Screw Extrusion	
35	International	February	Effect of Dispersing	

	conference on Recent Trends in Materials and Characterization", (RETMAC-2010), NITK, Surathkal, Karnataka, India.	14-15, 2010.	Nanoclay in to Epoxy Resin for Superior Mechanical Properties and Fire Retardency	
36	The Second International Conference on Polymer processing & Characterization (ICPPC – 2010), Kottayam, Kerala, India	January 15-17, 2010.	Impact and Fire Retardation Studies of vinyl ester/nanoclay/glass nanocomposites for Marine Applications	
37	National Conference on Chemistry of Materials, Dept of Chemistry, Tumkur University	Sept 28, 2011	Electrogeneration of Copper Oxide nanoparticles : A Cyclic Voltammetric Study	FIRST BEST PAPER PRESENTATION
38	Second International Conference on Nanotechnology and Biosensors (ICNB-2) 2011, Vishakapatam, Andra Pradesh	Dec 27 -28 2011	Fabrication of Silver Nanoparticle Modified Carbon Paste Electrode and its Sensor Applications	
39	Two Day **"National Symposium Cum Workshop On Carbon Materials"** Dept of Chemistry, Govt College of Arts, Science and Commerce Sanquelin, **Goa University, Goa.**	Jan 20 - 21st 2012.	Development of Norepinephrine Biosensor using Cyclic Voltammetric Technique Electrochemical determination of catechols at Pterocarpus marsupium RoxB : A Cyclic Voltammetric Study Cyclic voltammetric investigation of dopamine at DNA modified Carbon paste electrode Cyclic voltammetric investigations of dopamine at cresol red modified carbon paste electrode Electrochemical Studies of Dopamine at SDS/Phthalamide Modified Carbon Paste Electrode: A Cyclic Voltammetric study	

			Electrocatalytic performance of NiO nanoparticles at carbon paste electrode. Hydroxy double salt/Surfactant Modified Carbon Paste Electrode for the Simultaneous voltammetric Detection of Dopamine in presence of Ascorbic acid Cyclic voltammetric investigations of dopamine at electrochemical pretreated carbon paste electrode Cyclic voltammetric investigations of dopamine at surfactant modified cresol red carbon paste electrode	
40	CHEMISTRY - CHALLENGES & OPPORTUNITIES (NCCCO – 2012) Organized by St.Joseph College st. Joseph's College (autonomous) 36, Lalbagh Road, Bangalore – 560 027	16th – 18th February, 2012	Eletrochemical Sensor for Detection of Bisphenol A Using a NiZn-OAc/hydroxy Double Salt Modified Carbon Paste Electrode Poly(Rhodamine B) Modified Carbon Paste Electrode for the Selective Detection of Dopamine in Presence of Ascorbic Acid and Uric Acid Synthesis of ZnO/NiO Hybrid Nanoparticles and Their Electrocatalytic Performance Electrochemical Investigation of Dopamine at High Vaccum Silicone Grease Modified Carbon Paste Electrode: A Cyclic Voltammetric Study Electrochemical Studies of Dopamine on Phthalamide Modified Carbon Paste Electrode: A Cyclic Voltammetric Study	

			Fabrication of SDS Immobilized Carbon Paste Electrode and their Application to the Detection of Norepinephrine	
41	National Conference on Impact of Chemical Biology on Society, organized by Department of Industrial Chemistry, Kuvempu University, Shankaraghatta - 577451	April 26-27, 2012	Simultaneous detection of dopamine, ascorbic acid and uric acid using SDS/ Li_2ZrO_3 nanoparticle modified carbon paste electrode Eletrochemical sensor for detection of bisphenol A using a NiZn-OAc/hydroxy double salt modified carbon paste electrode Preparation of NiO nanoparticles based graphite electrode as a electro catalyst Studies on Electrochemical Behavior of Dopamine at Malonic Acid and TX-100 Modified Carbon Paste Electrode	
42	International Conference On 'Recent Advances In Materials Science' organized by Karnataka State Higher Education Council in Association with Mangalore, Gulbarga, Kuvempu and Tumkur Universities.	Nov 6-8, 2012	Li_2ZrO_3 Modified Carbon Paste Electrode Sensor for dopamine : A Cyclic Voltammetric Study Electrochemical Sensor for Detection of Bisphenol A using a NiZn-OAc/hydroxy double salt Modified Carbon Paste Electrode Simultaneous Detection of Epinephrine, Ascorbic acid and Uric acid using	Chaired the Session

			ZnO/TX-100 Modified Carbon Paste Electrode: A Cyclic Voltammetric Study Synthesis of NiO Nanoparticles and their Modified Carbon Paste Electrode for Electrochemical Investigation of Dopamine Copper Oxide Nanopaticle Modified Carbon Paste Electrode Sensor for Detection of Tryptophan: A Cyclic Voltammetric Study Synthesis of Rod Shaped ZnO Particles by Mechanochemical Method and Their Application as Glucose Sensor : A Cyclic Voltammetric Study Titanium Nanoparticle Modified Carbon Paste Electrode as Sensor for Iron	
43	INDO-US International Workshop on Nanosensor Science and Technology organized by National Institute of Science and Technology, Palur Hills, Berhampur, ODIASHA – 761008 in Collaboration with NAVAL	27th Feb - 1st March 2013	Electrochemical Synthesis of Titanium nanoparticles at carbon paste electrodes and its applications as an Electrochemical sensor for the determination of Acetaminophen in Paracetomol Tablets	

	RESEARCH LAB, Washington DC, USA – 20375-5341			
44	32nd Annual National Conference "Indian Council of Chemists" organized by Department of Studies in Chemistry, Karnataka University, Dharwad, Karnataka	Nov 28-30, 2013	Synthesis of CdS Particles and its Poly(Calmagite) Based Carbon Paste Electrode for the Determination of Dopamine. Electrochemical Determination of Dopamine at CTAB/Lithium Zirconate Modified Carbon Paste Electrode Electrosensitive Determination of Paracetamol Using a Poly (glycine) Film Coated Graphite Pencil Electrode : A Cyclic Voltammetric Study	Oral and Poster
45	3rd International Science Congress, Karunya University, Karunya, Coimbatore, Tamil Nadu	8-9th Dec 2013	Electrochemical detection of noradrenaline in presence of ascorbic acid and serotonin at tetra octyl ammonium bromide modified carbon paste electrode: A cyclic voltametric study.	Poster
46	26th Kerala Congress, Wayanad, Kerala	Jan 28-31, 2014	Tetraoctyl ammonium bromide modified carbon paste electrode as an electrochemical sensor for the simultaneous analysis of dopamine, ascorbic acid and uric acid: A voltametric study	Oral

47	International Conference On Recent Advances In Engineering Sciences (ICRAES-2014) Organized By M.S.Ramaiaha Institute Of Technology, Bangalore	Sept 4-5th 2014	Electrochemical Determination of Dopamine in presence of Ascorbic acid at Brilliant blue modified Carbon paste electrode: A voltammetric study Al_2O_3 nanoparticle carbon paste electrodes for the detection of dopamine: a cyclic voltammetry study Electrosensitive Determination of Paracetamol Using a Poly (glycine) Film Coated Graphite Pencil Electrode : A Cyclic Voltammetric Study Electrochemical Studies of Paracetamol at poly (aniline blue) Modified Carbon Paste Electrode : A Voltammetric Study Voltammetric preparation of 1-butyl-4-methyl-pyridiniumtetrafluro borate ionic liquid modified carbon paste electrode and its application for the simultaneous determination of norepinephrine and uric acid	Oral Presentation Chaired the Session
			Electrochemical Determination Of Serotonin At SDS/MWCNT Modified	

48	Two day "**National seminar on Nanostructured materials (NSM-2014)"** Dept. of Chemistry, NSS Hindu College, Changanacherry, Kerala	Aug 12-13, 2014.	Carbon Paste Electrode: A Cyclic Voltammetric Study. Sodium Alpha Olefin Sulphonate/MWCNT Modified Carbon Paste Electrode For Selective Determination Of Folic Acid. FE_2O_3 nanoparticles modified carbon paste electrode for the detection of uric acid: a cyclic voltammetry study SDS/MWCNT Modified Carbon Paste Electrode For The Electroanalysis Of Uric Acid. Synthesis, Characterization Of Calcium Ferrite Nanoparticles And Their Modified Carbon Paste Electrode For The Electrochemical Investigation Of Ascorbic Acid.	Poster Presentations
49	Indian Insttiute of Metals, NMD ATM 2014, Department of Metallurgy and materials science College of Engineering, Pune	Nov 12-15, 2014	Microstructure and Corrosion study of spark PlasmaDuplex sintered Duplex and ferric style	First prize

50	UGC Sponsored One day national Workshop on Advanced Instrumental Chemical Analysis, organized by A.V.K. First Grade College, Davanagere	Feb 14, 2015	Simultaneous electroanalysis of norepinephrine, ascorbic acid and uric acid using poly (glutamic acid) modified carbon paste electrode	**First Prize in Oral Presentation**
			Co_3O_4/CuO nanopowder/SDS modified carbon paste electrode for the detection of Ascorbic Acid: A cyclic voltammetry study	**First prize in Poster Presentation**
			Voltammetric Determination of Serotonin in Presence of Dopamine at Poly (eriochrome black-T)Film-Coated Graphite Pencil Electrode	
			A simple method for production of pure silica from rice husk ash and their modified carbon paste electrode for the electrochemical investigation of dopamine	
			Voltammetric Determination of Folic acid in presence of Dopamine and Ascorbic Acid at Poly (Alanine) Modified Carbon Paste Electrode	
			Voltammetric	

			determination of paracetamol at R-GO modified carbon past electrode Sodium alpha olefin sulphonate/modified carbon paste electrode for the selective determination of Folic acid Electrochemical determination of dopamine using Tacrolimus and sodium dodecyl sulphate modified carbon paste electrode: A Cyclic Voltammetric study Electrochemical Studies of Dopamine and Uric acid at Poly (Cango Red) Modified Carbon Paste Electrode : A Voltammetric Study Selective Determination of Uric acid at SDS-Modified Carbon Paste Electrode: A Cyclic Voltammetric Study	**Third Prize Poster Presentation**

51	UGC Sponsored One Day Seminar on Novel Carbon Materials organized by Field Marshal K.M.Cariappa, First Grade College of Science and Arts, Madikere,Mangalore University	Sept 22, 2015	Exfolited Graphene oxide nanopowder modified carbon paste electrode for the detection of Dopamine: A cyclic voltammetry study. Electrochemical Studies of Paracetamol at Electropolymerized Congo red Carbon Paste Electrode: A Voltammetric Study Poly (Alanine) Modified Carbon Paste Electrode for the Voltammetric Determination of Adenosine Voltammetric Resolution of Paracetamol in presence of Folic acid at Poly (Alanine) Modified Carbon Paste Electrode Electrosensitive Determination of Dopamine, Ascorbic Acid and Uric Acid Using Poly (Benzamide) Film Modified Carbon Paste Electrode A simple method for production of pure silica from rice husk ash and their modified carbon paste electrode for the electrochemical investigation of dopamine, serotonin and folic acid	**Best Poster Presentation** **Best Oral Presentation**

			Poly(calmagite) modified carbon paste electrode sensor for the determination of catechol : A Voltammetric Study Electrochemical Response of Dopamine at Pioglitazone hydrochloride /SDS modified carbon paste electrode: A Cyclic voltammetric study Electrochemical Determination of Folic Acid at Sodium Alpha Olefin Sulphonate Modified Carbon Paste Electrode: A Voltammetric Study Voltammertic Determination of Paracetamol and Ascorbic Acid using Poly (l-Histidine) modified carbon paste electrode. Electrochemical behavior of Bisphenol-A at sodium alpha olefin sulphate modified carbon paste electrode	

52	103 Indian Science Congress organized by University of Mysore, Mysore	3-7 Jan 2016	Electrochemical Investigation of Catechol at Poly (Calgamite) modified carbon paste electrode : A Voltammetric Study Electrochemical Determination of Dopamine using Tacrolimus and Sodium Dodecyl Sulphate Modified Carbon paste electrode : A Cyclic voltammetric Study	Poster Presentation
53	National Conference on Recent Trends in Chemical Sciences (NCRTCS)-2016, organized by Dept of Chemistry, Manipal Institute of Technology, Manipal	Jan 11-12, 2016	Reduced Graphene Modified Carbon Paste Electrode Sensor for Uric acid : A Cylic Voltammetric Study	Poster Presentation
54	KSTA Conference on Energy, Climate change and Environment organized by School of Earth Sciences, Central University of Karnataka and Karnataka Science and Technology Academy	Jan 29-30, 2016	Sodium Alpha Sulfonate Modified Carbon Paste Electrode Sensor for Dopamine : A Voltammetric Study Rhodamine B Modified Carbon Paste Electrode Sensor for Paracetamol	` Poster Presentation

55	UGC Sponsored Two Days National Conference On, Nuclear Energy in India : A Boon, St. Philomena's College(Autonomous), Mysuru		Rhodamine B modified carbon paste electrode sensor for paracetamol Synthesis and Characterization of Titanium oxide Nanoparticles and their Modified Carbon Paste Electrode for the Electrochemical Investigation of Dopamine Cyclic voltammetric determination of catechol at TX-100 modified carbon paste electrode Electrochemical investigation of folic acid at Pretreated/carbon paste electrode: A Voltammetric Study Voltammetric Resolution of Paracetamol in presence of Folic acid at Poly (Alanine) Modified Carbon Paste Electrode: A Voltammetric Study	**First Prize, Best Paper Presentation** **First Prize, Best Oral Presentation**

56	International conference on nano technology, VTU, Muddenahalli, Chikkaballapura.	April 21-23 2016	Selectrive detection of dopamine and ascorbic acid at purified carbon nanotubes/ tween 20 modified carbon paste electrode Electroanalysis of dopamine in presence of ascorbic acid and uric acid at sodium dodecyl Sulphate/ multi walled carbon nano tube modified carbon paste electrode: A voltammetric study Electroanalysis of norepinephrine at graphene modified carbon paste electrode Electrochemical investigation of uric acid at TX-100 modified carbon paste electrode Eosin modified carbon paste electrode sensor for paracetamol Synthesis and characterization of titanium oxide nano tubes and their modified carbon paste electrode for the electrochemical investigation of dopamine SDS/ MWCNTs modified carbon paste electrode for the electrochemical investigation of adenosine: A voltammetric study	**Poster Presentation**

57	Symposium CHEMEXCEL-2016 BIET college, Davanagere	Oct 21st , 2016	Electroanalysis of neuroactive norepinephrine in presence of ascorbic acid and uric acid at poly(niacinamide) modified carbon paste electrode Electrochemical Investigation of Catechol and Hydroquinone at Cetyl trimethyl ammonium bromide Modified Carbon Paste Electrode	Second prize, Oral presentation. Third prize, Oral presentation
58	"Recent Advances in Chemical Biology and Material Science for Industry and Society" (RACBMS -2018)	Feb 9-10, 2018	Poly (Sunset yellow) Sensor for Dopamine: A Voltammetric Study	POSTER presentation
59	One day International Symposium on "Advanced Materials" (ISAM-2017) held at JSS Science and Technology University during 27 the December 2017.	27th Dec 2017	Poly (Neutral Red) Sensor for catechol and Hydroquinone	Poster Presentation

60	10 th Annual conference of Karnataka Science and Technology academy 2018 Jointly organized by Karnataka science and technology academy and REVA university	18 th to 19 th January 2018.	Pretreated Glassy Carbon Electrode Sensor	Poster Presenation
61	International conference on advanced functional materials for energy, environmental and health care (AFMEEHC-2019) date: 18th -20th march 2019.			

12. Memberships of University Bodies/other organizations

Sl. No	University/ Organization/Institute Body	Nature of Association	Period
01	Board of Examiner-Industrial Chemistry	Member	2007-08, 2008-09,10,11,12,13,14, 15, 16,17,18,19,20,21,22, 23
02	Board of Studies-Industrial Chemistry	Member	2008 onwards
03	Indian Council of Chemists	Member	2000
04	SAEST, Karaikudi	Member	2003-2006
05	American Chemical Society	Member	2010 onwards
05	American Nano Chemical Society	Member	2011 onwards

13. Research Papers Cited in Text Books

1. **Synthetic Diamond Films : Preparation, Electrochemistry, Characterization and Applications**. Edited by *Enric Brillas and Carlos Alberto Martinez-Huitle,* Wiley Series on ***Electrocatalysis and Electrochemistry,*** Andrzej Wieckowski, Series Editor – 2011 Edition

2. **Electroanalysis with Carbon Paste Electrodes** by *Ivan Svancara, Kurt Kalcher, Alian Walcarius and Karel Vytras,* CRC Press (Taylor and Francis Group), Analytical Chemistry Series, - 2011 Edition

3. **Carboxylic Acids : Advances in Research and Applications** by *Ashton Acton*, Published by ***Scholarly Editions, Atlanta, Georgia, USA***. 2011 Edition

4. **Analytical Techniques in Environmental Monitoring Reprint** by S. Jayarama Reddy, Published by B.S. Publications, 2002.

5. **Conducting Polymers : A New Era in Electrochemistry, 2nd Edition** by Gyorgy Inzelt, Monographs in Electrochemistry, Series Editor F. Scholz Published by Springer, London, 2012

6. **Bio/CMOS Interfaces and Co-Design** by Sandro Carrara, Published by Springer, London, 2012

7. **Capillary Electrophoresis and Microchip Capillary Electrophoresis, Principles, Applications and Limitations** Edited by Carlos D Garcia, Karin Y Chumbimuni Torres and Emanuel Carrilbo, Published by John Wiley and Sons, New Jersey and simultaneously Canada, 2013.

8. **Diuretics : Advances in Research and Applications** *Ashton Acton*, Published by ***Scholarly Editions, Atlanta, Georgia, USA***. 2012 Edition

9. **Ethanolamines: Advances in Research and Applications** *Ashton Acton*, Published by ***Scholarly Editions, Atlanta, Georgia, USA***. 2012 Edition

10. **Ferric Compounds : Advances in Research and Applications** *Ashton Acton*, Published by ***Scholarly Editions, Atlanta, Georgia, USA***. 2011 Edition.

11. **Benzoic acids : Advances in Research and Applications** *Ashton Acton*, Published by ***Scholarly Editions, Atlanta, Georgia, USA***. 2011 Edition

12. **Organic reaction Mechanisms** by A.C.Knipe, Published by John Wiley and Sons Ltd., England 2005

13. **Wiley Encyclopedia of Chemical biology** by Tadhg P.Begley Published by John Wiley and Sons Ltd., England 2009

14. **Diuretics : Advances in Research and Applications** *Ashton Acton*, Published by ***Scholarly Editions, Atlanta, Georgia, USA***. 2011 Edition

15. **Portable Biosensing of Food Toxicants and Environmental Pollutants (Series in Sensors)** by D.P.Nikolileis, T.Verzakas, A.Eredum, G.P.Nikoleli, Published by CRC Press, Taylor and Francis Group, Florida, USA, 2014

16. **Physics of Semiconductor Devices : 17 International Workshop on the Physics of Semiconductor Devices -2013** by V.K.Jain and Abhishek Verma, Published by Springer International Publishing Switzerland 2014.

17. **Nanostructures through Chemistry** by P O'Brien, P J Thomas, Published by The Royal Society of Chemistry 2014.

18. **Catalysis in Ionic Liquids : From catalyst Synthesis to Application** by Chris Hardacre and Vasile Parvulescu, Published by The Royal Society of Chemistry 2014.

19. **Thin Films and Coatings in Biology** by Soroush Nazarpour, Springer New York, Biological and Medical Physics, Biomedical Engineering – 2013 Edition

20. **Nanosensors: Materials and Technologies** by Nada F. Atta, **International Frequency Sensor Association Publishing** – 2013 Edition

21. **Advanced Materials and Structural Engineering** by J.W.Hu, CRC Press, Taylor and Francis, London Group -2016

22. **Biosensors for Security aCund Bioterrorism Applications** by Dimitrios Nikolelis and Georgia Paraskevi Nikoleli. – Springer International Publishing Switzerland – 2016.

14. Other Information's

Referee for Research Papers submitted for Publication in several International Journals.

Giving Training Programmes on **Electroanalytical Techniques** to Research Students for various universities.

Consultancy service **to Mysore Paper Mills at their ETP, R & D and QC divisions from 2000 to 2002.**

Editorial Board Member: Chemical Sensors – Biosensors – Section Editor

Guest Editor for the Special Issue on Nanoparticle and Biotechnology (Journal of Biomedicine and biotechnology)

Advisory Board Member in Bioinfo Publications

Editorial Board Member: World Research Journal of Analytical Chemistry - Associate Editor

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Date: 29-01-2024 **Signature of the Teacher**

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