BIO-DATA of Dr K.S. Lokesh

1. Name and full correspondence Dr. K. S. LOKESH

address : Professor in Chemistry

Department of Studies in Chemistry

Vijayanagara Sri Krishnadevaraya University

Ballari – 583 105, Karnataka, INDIA

2. Email(s) and contact E-mail: <u>kslokesh@vskub.ac.in</u>; <u>lokeshsk@gmail.com</u>

number(s) : Mob: +91-9035500208

3. Institution : Vijayanagara Sri Krishnadevaraya University, Ballari

4. Date of Birth : 01.07.1976

5. Gender (M/F/T): Male

6. Category Gen/SC/ST/OBC: OBC

7. Whether differently abled

(Yes/No) : NO

8. Academic Qualification (Undergraduate Onwards)

Sl. No.	Degree	Year	Subject	University/Institution	% of marks
1.	B. Sc.	1997	Physics, Chemistry, Mathematics	University of Mysore	60.4 % First Class
2.	M. Sc.	1999	Chemistry, Analytical Chemistry Specialization	University of Mysore	74.5% Distinction with First Rank
3.	Ph. D.	2005	Chemistry Title of the Thesis: Synthesis and characteristic studies on metal phthalocyanines and their polymers as molecular conductors.	University of Mysore	Ph. D. awarded

9. Ph. D. thesis title, Guide's Name, Institute/Organization/University, Year of Award.

Degree	Research Guide Name	Ph. D. Thesis Title	University	Year of
				Award
Ph. D.	Prof. B.N. Achar	Synthesis and characteristic studies	University of Mysore	2005
		on metal phthalocyanines and their polymers as molecular conductors.		

10. Work experience (in chronological order).

Sl. No.	Position held	Name of the Institute	From	То	Pay Scale, Rs
1.	Chemist	Cipla, Bangalore, India	17/02/2000	21/12/2000	5,000/-
2.	UGC Project Fellow	University of Mysore,	December,	September,	4,000/-

		Mysore, India	2000	2003	
3.	CSIR Research Associate	IISc, Bangalore, India	July, 2005	March, 2008	Rs16,000/-
4.	Post-Doc	Universite Joseph Fourier, Grenoble, France	April, 2008	October, 2009	2000 Euros
5.	Visiting Scientist	University of Gent, Ghent, Belgium	November, 2009	October, 2010	2200 Euros
6.	Assistant Professor	Shinshu University, Japan	November, 2010	December, 2012	400000 yens
7.	Associate Professor of Chemistry	Vijayanagara SriKrishnadevaraya University, Ballari, India	22/10/2012	21/10/2015	36400-9000- 68000
8.	TWAS-UNESCO Associate	Dalain Institute of Chemical Physics, Dalain, China	18/04/2015 26/05/2018	14/06/2015 30/06/2018	
9.	Jury member, Ph. D. thesis adjudication	University of Antwerpen, Belgium, Belgium	24/05/2018	26/05/2018	
10.	Professor of Chemistry	Vijayanagara SriKrishnadevaraya University, Ballari, India	22/10/2015	to till now	144000/- 208000

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received.

Sl. No.	Name of Award	Awarding Agency	Year
1.	IIBest Poster Prize	National conference held at Mysore	30 th -31 st January, 2020
2.	Best Poster prize	KSTA National conference, Koppal	23 rd – 24 th February, 2018
3.	Sir C.V. Raman Young Scientist Award	Karnataka Govt., India	2015
4.	Foundational Best Teacher Award	Vijayanagara Sri Krishnadevaraya University, Ballari.	2014 - 2015
5.	Summer Research Fellow	Indian Academy of Science	2014
6.	Awarded TWAS-UNESCO visiting Research Associateship	State Key Laboratory, Dalian Institute of Chemical Physics, China	2015
7.	Best Research Publication Award	Vision Group of Science and Technology (VGST), Karnataka State Govt., India.	2013-14
8.	Associate Member	Karnataka Science and Technology Academy, Karnataka, India	2020
8.	Participated and presented work in "Materials Challenges in Devices for Fuel Solar Production and Employment"	ICTP, Trieste, Italy	May, 2014
9.	Participated (On Invitation) in the TWAS Science and Diplomacy workshop on Innovative Energy Policies for Sustainable Future	Trieste, Italy	December, 2013
10.	Best Paper presentation Award	Asian conference, ACEPS-6	2012
11.	Invited Speaker to present "Analytical Chemistry Education in India"	Asianalysis XII, Japan.	Aug 2013
12.	University Grants Commission (UGC) project fellowship	Govt. of India	December 2000 to September 2003
13.	Center of Scientific and Industrial Research (CSIR) senior research	Govt. of India	July 2004 to June 2005

	fellowship		
14.	Indian Institute of Science (IISC)	IISC, Bangalore, India	July 2005 to March 2006
	research fellowship		
15.	Center of Scientific and Industrial	Govt. of India	April 2006 to March 2008
	Research (CSIR) research associate		
	Postdoctoral fellowship	UGent, Belgium	Oct. 2009 to Oct. 2010
16.	IASc-INSA-NASI Summer Research	(INSA, India)	2014
	Fellowship		
17.	TWAS-UNESCO Associateship	(TWAS-UNESCO), Italy to	2014-2019
		work in China	
18.	First rank holder in M.Sc. Chemistry	University of Mysore	1999
	3 gold medals and 1 cash prize		

12. Research Publications

International Journals: ~88

National Journals: 0

Sl. No.	Authors	Title	Name of Journal & Impact Factor	Volume	Page	Year
1.	Giddaerappa, N Manjunatha, Shantharaja, Mirabbos Hojamberdiev Lokesh K S	Nitrogen-rich palladium tetra amino- hippuric acid phthalocyanine complex and its hybrid composite with multi- walled carbon nanotubes for supercapacitor application	Journal of Energy Storage (I.F.= 8.9)	50	104696	2022
2.	Giddaerappa, Nemakal Manjunatha, Shantharaja, Mirabbos Hojamberdiev, and Lokesh K S	Tetraphenolphthalein cobalt(II)phthalocyanine polymer modified with multi-walled carbon nanotubes as an efficient catalyst for oxygen reduction reaction	ACS Omega (I.F=4. 2)	7(16)	14291- 14304	2022
3.	Krishnappa B. Badiger, Giddaerappa, Ra mesha Hanumanthappa, Lokesh Koodlur Sannegowda, Ka ntharaju Kamanna	An agro-waste based eco- friendly synthesis, electrochemical behaviour and anti- oxidant properties evaluation of pyrano[2,3- c] pyrazole and pyrazolyl-4H-chromenes derivatives	ChemistrySelect (I.F=2.11)	7(9)	e202104 033	2022
4.	Shantharaja, Nemakal Manjunatha, Giddaerappa, Subramanya Gopal Hegde and Lokesh Koodlur Sannegowda	Novel biocompatible amide phthalocyanine for simultaneous electrochemical detection of adenine and guanine	Microchemical Journal (I.F=4.82)	175	107223	2022

5.	Keshavananda Prabhu C. P, Shambhulinga Aralekallu, Manjunatha Palanna, Veeresh Sajjan, Renuka B, Lokesh K S	Novel polymeric zinc phthalocyanine for electro-oxidation and detection of ammonia	Journal of Applied Electrochemistry (I.F=2.80)	52	325-338	2022
6.	Krishnappa B. Badiger, Lokesh Koodlur Sannegowda, Kantharaju Kamanna	Microwave assisted one pot synthesis of tetrahydrobenzo[b]pyrans in the presence of WEWFPA and their electrochemical studies	Organic communications (IF= 0.81)	http://doi .org/10.2 5135/acg .oc.124.2 111.2263		2022
7.	Pratap GK, Pramod G Nagaraju, Ananda Danagoudar, Chandrashekhar G.Joshi, Poornima Priyadarshini CG, Yasser Hussein Issa Mohammed, LokeshK S, Manjula Shantaram	Neuroprotective, lifespan, memory enhancing potential, and molecular docking studies of natural compound from Curculigo orchioides Gaertn., : A study on transgenic Alzheimer's disease model of Appl-GAL4 Drosophila melanogaster	South African Journal of Botany (IF=2.315)	149	60-66	2022
8.	Keshavananda Prabhu C. P,KR Naveen,Shambhulinga A, Shivalingayya, Lokesh K S	Novel polymeric cobalt tetrabenzimidazole phthalocyanine for nanomolar detection of H2O2	RSC Sustainability	In Press	https://d oi.org/10 .1039/D2 SU00035 K	2022
9.	Lokesh Bettada; Mounesh .; Chandrakala K. B ; Sateesha K. M ; Amshumali M. K. ; Lokesh Koodlur Sannegowda; Arunkumar Lagashetty	A novel approach for electrochemical sensing of 2-amino-4-methylphenol using magnetic polypyrrole as a sensing platform	Heliyon			
10.	Mounesh, Venugopala Reddy, Yuvaraja D, M Juan, Lokesh K S, Amshumali MK	Novel Schiff base Iron (II) phthalocyanine with composite MWCNTs on modified GCE: Electrochemical sensors development of paracetamol	Reaction Chemistry & Engineering (IF=5.2)		https://d oi.org/10 .1039/D2 RE00193 D	2022
11.	Giddaerappa, Keshavananda Prabhu C.P, Shambhulinga A, Shantharaja, Naseem Kousar, Ashwini C.K, Lokesh K S	Uranium phthalocyanine anchored acid functionalized MWCNTs as efficient bifunctional electrocatalyst for water electrolysis	ACS Applied Nanomaterials		Submitted	
12.	Giddaerappa, Naseem Kousar, Lokesh K S	Cobalt phthalocyanine based metal organic framework as efficient bifunctional electrocatalyst for water	Chemical Science		Submitted	

		electrolysis				
13.	Shambhulinga Aralekallu; Lokesh Koodlur Sannegowda; Vijay Singh	Developments in Electrocatalysts for Electrocatalytic Hydrogen Evolution Reaction with reference to bio-inspired phthalocyanines	International Journal of Hydrogen Energy		Submitted	
14.	Raghu AV, Dinesh Bhaskar, J Poyya, Farhan Zameer, Lokesh Koodlur, Chandrashekar G Joshi	Effect of polyvinylpyrrolidone on antioxidant and antibacterial activity of silver nanoparticles: A Comparative analysis	Polymers for advanced Technologies		Submitted	
15.	Sowmyashree H, Shambhulinga A, Keshavananda Prabhu CP, Lokesh K S	Bio-inspired Non-Noble Metal N4 Macrocycle Catalyst for Hydrogen Evolution Reaction	ACS Applied Energy Materials (I.F=6.1)	4(10)	10826- 10834	2021
16.	Manjunatha P, Shambhulinga A, Keshavananda Prabhu C P, Veeresh A Sajjan, Mounesh & Lokesh KS	Nanomolar detection of Mercury(II) using electropolymerised phthalocyanine film	Electrochemica Acta (I.F.= 6.9)	367	137519	2021
17.	Keshavananda Prabhu CP, Shambhulinga A, Veeresh A Sajjan, Manjunatha P, Sharath Kumar, Lokesh K	Non-precious cobalt phthalocyanine embedded iron ore electrocatalyst for hydrogen evolution reaction	Sustainable Energy and Fuels (I.F.= 6.367)	5	1448- 1457	2021
18.	Veeresh A. S, Shambhulinga A, Manjunatha N, Manjunatha P, Keshavananda Prabhu CP, Lokesh K S	Nanomolar detection of 4-nitrophenol using Schiff-base phthalocyanine	Microchemical J. (I. F. = 4.8)	164	105980	2021
19.	Shantharaja, Manjunatha N, Gidderappa, Lokesh K.S.	Biocompatible polymeric pyrazolopyrimidnium cobalt(II) phthalocyanine: An efficient electrochemical platform for the detection of L-Arginine	Sensors and Actuators: A. Physical (I. F. = 3.4)	324	112690	2021
20.	Ananda Danagoudar, Pratap GK, Manjula Shantaram, Krishna Ghosh, Santosh R, Kanade, Lokesh K S , Chandrashekhar G Joshi	Antioxidant, cytotoxic and anti-choline esterase activity of green silver nanoparticles synthesised using Aspergillus austroafricanus CGJ-B3	Analytical Chemistry Letters (I. F. = 1.5)	11	15-28	2021

		(endophytic fungus)				
21.	Keshavananda Prabhu C P, Manjunatha N, Muthumuni Managa, Tebello Nyokong, Lokesh K S	Symmetrically substituted Zn and Al phthalocyanines and polymers for photodynamic therapy application	Frontiers in Chemistry, section Organic Chemistry (I. F. = 5.4)	9	647331	2021
22.	Manjunatha N, Shantharaja, Giddaerappa, Manjunatha P, Lokesh KS , P. Sharath Kumar	Zinc phthalocyanine anchored magnetite particles: Efficient platform for sensing of thiocyanate	Journal of Electroanalytical Chemistry (I. F. = 4.464)	895	115385	2021
23.	Manjunatha N, Giddaerappa, Shantharaja, Veeresh A S, Lokesh K S	Novel amide coupled phthalocyanines: Synthesis and structure-property relationship for electrocatalysis and sensing of hydroquinone	Journal of Electroanalytical Chemistry (I. F. = 4.464)	898	115657	2021
24.	N Manjunatha, Lokesh KS	Hybrid composites based on phthalocyanine and carbonaceous materials for sensing applications: a review	International Journal of Biosensors & Bioelectronics	7(3)	84-89	2021
25.	Itagi Mahesh, Bhat Zahid, T. Ravikumar, P. Deepraj, D. Mruthyunjayachari, K. S. Lokesh, O. T. Musthafa	An Electrochemical Valorization Fuel Cell for Simultaneous Electroorganic and Hydrogen Fuel Syntheses	Journal of Physical Chemistry, C (I. F. = 4.309)	124(21)	11284- 11292	2020
26.	Panneerselvam Arun Prasanth, Periyappan Nantheeswaran, Veerappan A, Rajendran S, Arunachalam Jothi, Nattamai S. P. Bhuvanesh, Lokesh K S and Mariappan M	The metal centre in salenacridine dyad N ₂ O ₂ ligandmetal complexes modulates DNA binding and photocleavage efficiency	New J. of Chemistry (I.F.= 3.5)	44	9888- 9895	2020
27.	Veeresh A. S., Manjunatha N., Shambhulinga A., Manjunatha P., Keshavananda Prabhu C. P., Lokesh K. S.	Nanomolar detection of lead using electrochemical methods based on a novel phthalocyanine	Inorganica chimica Acta (I. F. = 2.546)	506	119564	2020
28.	Manjunatha P., Imadadulla M., Shambulinga A., Manjunatha N., Lokesh	Simultaneous detection of paracetamol and 4-aminophenol at nanomolar level using	New Journal of Chemistry (I. F. = 3.5)	44	1294- 1306	2020

20	K. S.	biocompatible cysteine substituted phthalocyanine	Journal of Power	440	22751/	2020
29.	Shambulinga A., Veeresh A. S., Manjunatha P., Keshavananda Prabhu C. P., Mirabbos H., Lokesh K. S.	Ni foam supported azo- linkage cobalt phthalocyanine for efficient oxygen evolution reaction	Sources (I. F. = 9.4)	449	227516	2020
30.	Imdadulla M., Shambulinga A., Veeresh A. S., Divakara T. R., Manjunatha P., Lokesh K. S.	Phthalocyanine sheet polymer based amperometric sensor for the selective detection of 2,4-dichlorophenol	Journal of Electroanalytical Chemistry (I. F. = 4.46)	871	114292	2020
31.	Giddaerappa K, Manjunatha N, K.S. Lokesh	Mannich reaction derived phthalocyanine polymer for electrochemical detection of salicylic acid	Inorganica chimica Acta (I. F. = 2.5)	512	119895	2020
32.	Shambhulinga A, Manjunatha P, Sowmyashree H, Keshavananda Prabhu C P, Veeresh A S Musthafa O T, Lokesh K S	Biologically Inspired Catalyst for Electrochemical Reduction of Hazardous Hexavalent Chromium	Dalton Transactions (I. F. = 4.39)	49	15061	2020
33.	Manjunatha N., Shambhulinga A., Imadadulla M., Malathesha P., Venugopala Reddy K. R., Lokesh K. S.	Nanomolar amperometric sensor for 4-aminophenol using a novel phthalocyanine	Electrochimica Acta (I. F. = 6.9)	318	342-353	2019
34.	A. Shambulinga, M. Imdaadulla, N. Manjunatha, Manjunatha P., Danjai, K. S. Lokesh		Sensors & Actuators, B; Chemical (I. F. = 7.42)	282	417-425	2019
35.	Giddaerappa Kuntoji, Manjunatha Nemakal, Imadadulla Mohammed, Lokesh K S	Monolayers of ReactiveDifunctional	Surfaces and Interfaces (I. F. = 4.84)	15	19-25	2019
36.	P., Manjunatha N., Shambulinga A., Imadadulla M., Manjunatha P., Veeresh A. Sajjan, Akshitha D., Lokesh K. S.	A comparative study of carboxylic acid and benzimidazole phthalocyanine and their surface modification for dopamine sensing	Journal of Electroanalytical Chemistry (I. F. = 4.46)	847	113262	2019
37.	Subramanya G., Lokesh K.S. , Manjunatha N.	Regioselective Synthesis and biological evaluation	Synthetic Communications	19 (24)	3453-3464	2019

		of Novel	(I. F. = 2.0)			
		dispiropyrrolidine derivatives Via One-Pot Four-Component Reaction	` , , ,			
38.	Malatesh P.,K. R. Venugopala Reddy, K. S. Lokesh	Simultaneous and sensitive detection of ascorbic acid in presence of dopamine using MWCNTs-decorated cobalt (II) phthalocyanine modified GCE	Microchemical Journal (I. F. = 4.8)	147	755-763	2019
39.	Imadadulla M., David O. Oluwole, Manjunatha Nemakal, Lokesh K. S. , T. Nyokong	substituted zinc and	Dyes and Pigments (I. F. = 4.9)	170	107592	2019
40.	Imadadulla Mohammed, Manjunatha Nemakal, Shambulinga Aralekallu, Hemanth Kumar K. R., Lokesh K.S.	benzamidephthalocyanine macrocycle for the amperometric sensing of dopamine	Journal of Electroanalytical Chemistry (I. F. = 3.012)	838	33-40	2019
41.	, ,	octabenzimidazolephthal ocyanine: synthesis and	Journal of Electroanalytical Chemistry (I. F. = 4.46)	839	238-246	2019
42.	Subramanya Gopal Hegde , Lokesh K. S., Suman Y. Reddy ,Manjunatha Narayanarao	MgSiO ₃ Nanoparticle-Catalyzed 1,3-Dipolar Cycloaddition reactions in the synthesis of novel spiroindane-1,3-diones derived from substituted Chalcones		66	1708-1712	2019
43.	P., Manjunatha Nemakal, Shambhulinga A., Imadadulla Mohammed, Hemantha Kumar K. R., Shivaprasad K. H., Lokesh K. S.	Synthesis and characterization of novel imine substituted phthalocyanine for sensing of L-cysteine	Journal of Electroanalytical Chemistry (I. F. = 4.46)	230	834	2019
44.	V Veena, KH Shivaprasad, KS Lokesh, H Sharanagouda, D Ramakrishna	Design, Synthesis, Computational and Biological Evaluation of 4-Amino-3, 5- dimercapto-1, 2, 4- triazole Surface Functionalized Gold	Asian Journal of Chemistry (I. F. = 0.54)	31(12)	2875-2884	2019

		Nanoparticles				
45.	3 '	Synthesis and electropolymerization of tetra $[\beta-(2-benzimidazole)]$ and tetra $[\beta(2-(1-(4-aminohenyl)))$ benzimidazole)]embedde d cobalt phthalocyanine and their supercapacitance behaviour	Dyes and Pigments (I. F. = 4.9)	153	213- 224	2018
46.	Krupanidhi A. M.	TiO2 upconversion nanoparticles for photodynamic biomedical applications.	IOSR Journal of Pharmacy and Biological Sciences	13(5)	1-10	2018
47.	Manjunatha N., Lokesh K. S., Subramanya G., Suman Y.R., Susmita K.,	component synthesis of fused spiro indoline/indene derivatives derived from ethynylazaindole by 1,3-dipolar cycloaddition reaction	Synthetic Communications (I. F. = 2.0)	48 (18)	2441- 2451	2018
48.	Subramanya Hegde Gopal, Lokesh Koodlur, Vijayakumar G. Revanasiddappa, Suchetan P. Adimule, Suman Y. Reddy, Atanu Ghoshal, H. Nagabhushana	MgSiO ₃ NPs catalyzed intramolecular cycloaddition reaction: A simple and stereo selective synthesis of unprecedented julolidine analogs	Synthetic Communications (I. F. = 2.0)	48(19)	2485-2493	2018
49.	N. Manjunatha, M. Imdaadulla, K. S. Lokesh	Chemisorbed palladium phthalocyanine for simultaneous determination of biomolecules	Microchemical Journal (I. F. = 4.8)	143	82-91	2018
50.	M. Imadaadullah, N. Manjunath, K. S. Lokesh	Solvent dependent dispersion behavior of macrocycle stabilized cobalt nanoparticles and their applications	New Journal of Chemistry (I. F. = 3.5)	42	11364 - 11372	2018
51.	M. Imadaadullah, N. Manjunath, Veeresh Sajjan, K. S. Lokesh	Electropolymerized film of cobalt tetrabenzimidazolephthal ocyanine for the amperometric detection of H ₂ O ₂	Journal of Electroanalytical Chemistry (I. F. = 4.46)	826	96-103	2018
52.	Shahid Bhat, Mahesh Itagi, Alagiri, K. S. Lokesh , Muhammed Mustafa		Analytical Chemistry (I. F. = 6.96)	90 (21)	12917– 12922	2018
53.	Mahesh Itagi, Shateesh	Zinc battery driven by an	ACS Sustainable	6 (11)	15007-	2018

54.	Battu, D. Mruthyunjayachari, Zahi. M. Bhat, K. Alagar, Gautam Manu, T. Ravikumar, Lokesh K.S., T. Mustafa Ravikumar thimmappa,	electro-organic reactor cathode. A single chamber direct	Chem. & Engg. (I. F. = 8.198) Advanced	4(21)	15014 1700321	2017
J4.		methanol fuel cell	Material Interfaces (I. F. = 4.948)	4(21)	1700321	2017
55.	Shambulinga, Ravikumar, Promod Mruthyunjayachari, Alagar Raja, Shahid S., K. S. Lokesh , Julio Sanchez, Musthafa	Chemistry of Redox Active Polymer for Bifunctional Probing	Chem Electrochem (I. F. = 4.590)	4(3)	692-700	2017
56.	Mallikarjun, K. S. Lokesh , K. H. Shivaprasad, K. R. Venugopala Reddy	Extractive Spectrophotometric Methods for the Determination of Metaprolol Succinate in Pure and Pharmaceutical Formulations	Austin Journal of Analytical and Pharmaceutical Chemistry (I. F. = 2.1)	3(3)	1070	2016
57.	Mallikarjun, K. S. Lokesh , K. H. Shivaprasad, K. R. Venugopala Reddy	Spectrophotometric Determination of Some Non-steroidal Anti- Inflammatory Drugs by Oxidative Coupling Reaction	Austin Journal of Analytical and Pharmaceutical Chemistry (I. F. = 2.1)	3(3)	1069	2016
58.	Manjunath K., Lokesh K. S. , Vijayakumar G. Revanasiddappa, Subramnaya G. H., Susmita K.	synthesis of spiropyrrolidine	Beilstein Journal of Organic Chemistry (I. F. = 2.88)	12	2893- 2897	2016
59.	K. S. Lokesh, A. Adriaens	Electropolymerised amine containing Palladium phthalocyanine for capacitive applications	Dyes and Pigments (I. F. = 4.9)	112	192	2015
60.	K. S. Lokesh, Shambulinga, N. Manjunatha, M. Imdaad, M. Hojamberdiev,	Porphyrin macrocycle stabilised gold and silver	Dyes and Pigments (I. F. = 4.9)	120	155-160	2015
61.	Q. Liu, K. S. Lokesh , C. Chauvin, W. Sugimoto	Model Electrode Studies of the Electrostatic Interaction between Electrochemically	Journal of the Electrochemical Society (I. F. = 4.316)	161	F259- F262	2014

		Dissolved Pt Ions and RuO2 Nanosheets				
62.	K. S. Lokesh, K. H. Shivaprasad, K. R. Venugopala Reddy		RSC Advances (I. F. = 3.36)	4	11367	2014
63.	H. Mallikarjun, K. S. Lokesh , K. H. Shivaprasad, K. R. Venugopala reddy		Austin Journal of Analytical and Pharmaceutical Chemistry (I. F. = 2.1)	1	1029	2014
64.	Hojamberdiev, K. S. Lokesh, X. Luo, L. Jin, J. Zhou, P. Liu	doped ZnIn ₂ S ₄ Microspheres.	Journal of Hazardous Materials (I. F. = 10.588)	278	572-583	2014
65.	H. Mallikarjun, K. S. Lokesh , K. H. Shivaprasad, K. R. Venugopala reddy	Novel spectrophotometric methods for the assay of an antiepileptic- oxcarbazepine	World Journal of Pharmacy and Pharmaceutical Sciences (I. F. = 0.13)	3 (7)	815	2014
66.	K. S. Lokesh	Layer-by-Layer assembly of a water-soluble phthalocyanine on gold. Application to the electrochemical determination of hydrogen peroxide	Bioelectro- chemistry (I. F. = 5.373)	91	21-27	2013
67.	K. S. Lokesh, A. Adriaens	Synthesis and characterization of tetrasubstituted palladium phthalocyanine complexes	Dyes and Pigments (I. F. = 4.9)	96	269-277	2013
68.	C. Chauvin, Q. Liu, T. Saida, K. S. Lokesh , T. Sakai, W. Sugimoto	Effect of nanosheet size on activity and durability of RuO2 nanosheet Pt/C catalyst	Electrochemical Society Transactions (I. F. = 0.47)	50	1583- 1588	2013
69.	C.Gondran, P.Guionneau,	One step vs. stepwise immobilization of 1-D	Langmuir (I. F. = 3.9)	28(32)	11779- 11789	2012
70.	K. S. Lokesh, M. D. Keersmaecker, A. Elia, D. Depla, P. Dubruel, P. Vandenabeele, S.V. Vlierberghe, A. Adriaens	5,10,15,20-tetrakis(2-aminophenyl)-porphyrin	Corrosion Science (I. F. = 7.205)	62	73-82	2012

		impedance studies for				
71.	K. S. Lokesh, M. De	corrosion inhibition Self assembled films of	Molecules	17	7824	2012
	Keersmaecker, A.Adriaens	porphyrins with amine groups at different positions: influence on their orientation on corrosion inhibition and electrocatalytic activity	(I. F. = 4.411)		-7842	
72.	K. S. Lokesh , Karoline de wael, A. Adriaens	supramolecular array of polymeric phthalocyanine on gold for the determination of hydrogen peroxide	Langmuir (I. F. = 3.88)	26 (22)	17665	2010
73.	S. Chandra, K. S. Lokesh and H. Lang	N, N-bissuccinamide- based dendritic molecule H ₂ C(O)NHC(CH ₂ CH ₂ C(O)OtBu) ₃] ₂	Sensors and Actuators B-Chemical (I. F. = 7.4)	137 (1)	350	2009
74.	K. S. Lokesh , Y. Shivaraj, B.P. Dayananda, S. Chandra	Synthesis of phthalocyanine stabilized rhodium nanoparticles and their application in biosensing of cytochrome C	Bioelectro- chemistry (I. F. = 5.373)	75	104	2009
75.	S. Chandra, K. S. Lokesh , A.Nicolai, H. Lang	Dendrimer-Rhodium nanoparticle modified Glassy Carbon Electrode for Amperometric Detection of Hydrogen Peroxide	Analytica Chimica Acta (I. F. = 6.558)	632 (1)	63	2009
76.	K. S. Lokesh, N.S. Venkatanarayanan, S. Sampath	Phthalocyanine macrocycle as stabilizer for gold and silver nanoparticles	Microchimica Acta (I. F. = 5.833)	167 (1-2)	97-102	2009
77.	K. S. Lokesh, N. Uma, B. N. Achar	The microwave-assisted syntheses and conductivity study of a platinum phthalocyanine and its derivative	Polyhedron (I. F. = 3.052)	28 (5)	1022	2009
78.	S. Mitra, K. S. Lokesh , S. Sampath	Exfoliated graphite- ruthenium oxide composite electrodes for electrochemical supercapacitors	J. Power Sources (I. F. = 9.2)	185 (2)	1544	2008
79.	N. T. K. Sundaram, O. T. M. Musthafa, K. S. Lokesh, A. Subramania	Effect of porosity on PVdF-co-HFP-PMMA based electrolyte	Materials Chemistry and Physics (I. F. = 4.094)	110	11	2008

80.	B. N. Achar, T. M. M. Kumar, K. S. Lokesh	characterization,	J. Coord. Chem.	60	1833	2007
		pyrolysis kinetics and conductivity studies of chlorosubstituted cobalt phthalocyanines	(I. F. = 1.4)			
81.	K. S. Lokesh , N. Uma , B. N. Achar	Synthesis and physico- chemical characterization of metal free, sodium and potassium phthalocyanine complexes	J. Non-Cryst. Solids (I. F. = 3.53)	353 (4)	384	2007
	B. N. Achar, T. M. Mohan Kumar, K. S. Lokesh	microwave versus conventional synthesis of lead phthalocyanine complexes	J. Porphyrins and Phthalocyanines (I. F. = 1.811)	9 (12)		2005
83.	B. N. Achar, G. M. Fohlen, K. S. Lokesh, T. M. M. Kumar		International J. Mass Spectrom. (I. F. = 1.986)	243 (3)	199	2005
84.	B. N. Achar, G. M. Fohlen, K. S. Lokesh, T. M. M. Kumar	Characterization of cobalt phthalocyanine sheet polymer by gas chromatography mass spectrometry on its pyrolysis products	Reactive and Functional Polymers (I. F. = 3.975)	63	63	2005
85.	B. N. Achar, K. S. Lokesh	Studies on metal (II) tetra-amino phthalocyanines	J. Organomet. Chem. (I. F. = 2.369)	689	3357	2004
86.	B. N. Achar, K. S. Lokesh	Studies on polymorphic modifications of copper phthalocyanine	J. Solid State Chem. (I. F. = 3.498)	177 (6)	1987	2004
87.	B. N. Achar, K. S. Lokesh	Studies on phthalocyanine sheet polymers	J. Organomet. Chem. (I. F. = 2.369)	689 (16)	2601	2004
88.	B. N. Achar, G. M. Fohlen, K. S. Lokesh	Degradation study on the thermally stable nickel phthalocyanine sheet polymer	Polymer Degradation and Stability (I. F. = 5.03)	80 (3)	427	2003

13. Detail of patents: 02

Sl.	Patent Title	Name of the	Patent No.	Awar	Agency/	Status
No.		Applicant(s)		d Date	Country	
1.	Chromeno [4,3-b] quinoline compounds and their synthesis by using silicotungstic acid [H ₄ SiW ₁₂ O ₄₀]		202041053100 A61K 31/47	22/01/2 021	Indian patent	Published and granted
2.	Chromeno [4,3-b] quinoline compounds and their synthesis by using silicotungstic acid [H ₄ SiW ₁₂ O ₄₀]		PCT/IB2021/058 086	05/09/2 021	WP (PCT)	Published

14. Books/Reports/Chapters/General articles etc.

Sl.	Title	Author's Name	Publisher	Year of
No.				Publication
1.	Chapter Title: MXene-based sensors and biosensors: next-generation detection platforms		Elsevier, Netherlands	2020
2.	Chapter Title: Electrochemical Nano Sensors & applications in the handbook, "Handbook of Nanomaterials for Sensing Applications.	Shambhulinga Aralekallu, Lokesh K.S.	Elsevier	2021

15. Research Projects Undertaken: 11

Sl. No	Title of Project	Funding agency	Amount (INR)	Duration
1.	Isolation of plant and microbial derived defensins as well as their chemical synthesis for biological applications	VSK University, Ballari	8,00,000.00	2022-2024
2.	Novel N4 macrocycles as efficient catalysts for clean energy production	DST, India –Uzbekistan Joint call	17,80,000.00	2021-2024
3.	Metal organic framework electrocatalysts for water splitting reaction to produce H2 and O2 fuels	Karnataka Science & Technology Academy, Govt of Karnataka, India	70,000.00	2021-2022
4.	N4-Macrocycles for Sensing and Electrocatalytic Applications.	K-FIST of VGST, Karnataka Govt., India	20,00,000.00	2017-19
5.	Development of N4 macrocycle based cost effective catalysts for PEFC	CSIR, Govt. of India	3,00,000.00	2017-2020
6	Co-ordinator from department	DST-FIST	1,04,00,000.00	2017-2022
7.	N4 Macrocyclic metal complex SAM layers as stable electrocatalysts and Sensors		20,00,000.00	2017-2019
8.	Arene-ruthenium complexes for host- guest and DNA interaction studies	Research fund for talented teachers (RFTT), VGST, Karnataka Govt, India	3,00,000.00	2016-2017
9.	Supramolecular self assembly of arene ruthenium complexes	DST-Fast Track Scheme for young scientist	25,00,000.00	2014-2017
10.	Phthalocyanine molecular conductors as	Seed Money to Young	6,00,000.00	2014-2015

	stable and suitable electrocatalysts and	Scientists for Research,		
	sensors	VGST, Karnataka Govt.		
		India		
11.	Self assembled monolayers of N4-	UGent, Belgium	22,000 Euros	2009-2010
	macrocycles on gold			

Name	Year of	Title	Year of	Remarks
	joining		award	
1. Dr. Shambhulinga	2014	Surface modification of	12/07/2018	Postdoctoral fellow,
		electrodes with macromolecules		Sunchon National
		and redox-active molecules for		university, South
		electrochemical applications.		Korea
2.Dr. N. Manjunatha	2014	Synthesis of conjugated ligand	20/02/2019	Postdoctoral fellow,
		basedmetal complexes and their		Rhodes University,
		analyticalapplications		South Africa
3.Dr. M. Imdadulla	2014	Studies on redox based materials	08/05/2019	Appointed as
		and macrocycles for		Assistant Professor,
		electrochemical applications for		DRM college,
		electrochemical applications		Davanagere, India
4. Dr. Subramanya	2016	Studies on cycloaddition	19/06/2020	Postdoctoral fellow
		reactions and applications in the		, Huntsman Cancer
		synthesis of biologically		Institute, University
		important polyheterocycles		of Utah Campus,
				Utah, USA
5. Dr. Mahesh Itagi	2016	Studies on redox based materials	25/08/2020	Post doctoral
		and macrocycles for		fellow, Yeungnam
		electrochemical applications		university, South
				Korea
6.Dr. Veeresh Sajjan	2016	Synthesis of conjugated N4	25/08/2020	Research Associate
		macrocycles for sensing and		at Kuwait
		catalytic applications		University, Kuwait
7. Dr. Keshavananda	2016	Synthesis of substituted N4	12/06/2020	Postdoctoral fellow,
Prabhu		macrocycles for biological and		Kyung Hee
		electrochemical applications		University, South
				Korea
8 Mr.Manjunath P	2016	Phthalocyanine analogus for	29/10/2021	Lecturer at Govt
		biological and electroanalytical		College, Challekere
		applications		
9.	2018	Electrode modification with	27/08/2022	Lecturer at
Mr.Giddaerapp		redox-active molecules for		Veerashaiva
a		electrochemical applications		College, Ballari
10 Mr. Shantharaja	2018	Daday astira malanta fan	G 1 ' 1	
10 Ivii. Silailulataja	2010	Redox-active molecules for	Submitted	University
		electrocatalysis and clean energy		fellowship
11. Mrs Soumyashree	2021	production Electroactive N. 4 Magracycles	D	DCT project follows
11. IVIIS Soulliyasiilee	ZUZ I	Electroactive N-4 Macrocycles	Pursuing	DST-project fellow
		for Sustainable Energy		
12. Ms. Naseema	2021	Production Management and an action	ъ .	Minarita
Kousar	ZUZ I	Macrocyclic redox-active	Pursuing	Minority

		molecules for clean energy		Fellowship, Govt of
		applications		Karnataka
13. Mrs. Gouthami Patil	2021	Biologically Inspired Phthalocyanine Macrocycles for Electrochemical Applications	Pursuing	DST Inspire Fellow
14. Mrs. Ashwini	2021	Novel N4-macrocycles as efficient catalysts for electrochemical applications	Pursuing	OBC fellowship, Govt of Karnataka
15. Mr Siddesh	2022		Registered	
16. Mr Basavesh Nisty	2022		Registered	
17. Ms Divya	2022		Registered	

Ph.D. Thesis Evaluation: Indian: 35

Foreign:

a) South Africa-02

b) Belgium -01

Google Scholar-citation indices : Citations - 1586

Google h-index - 24

i10 index - 49

Conferences conducted/organized:

Sl. No.	Conferences conducted/organized
1.	Advisory committee Member, National conference organized by Kamma Engineering college, Bangalore, 2018.
2.	Coordinator, KSTA sponsored Special P. G. Lecture Series in Industrial Chemistry held on 11 th -12 th March, 2016
	at Vijayanagara Sri Krishnadevaraya University, Ballari.
3.	Convenor/Organising Secretary, KSTA sponsored Interdisciplinary National Seminar on "Impact of Science and Technology on Society and Economy" in Feb. 2017 at Vijayanagara Sri Krishnadevaraya University, Ballari.
4.	Advisory Committee Member, KSTA Conference held on 23 th – 24 th February, 2018 at Koppal.
5.	Co-ordinator, KSTA sponsored Special Lecture Series in Chemistry, March 2019.
6.	Secretary, DST sponsored National workshop on "Recent trends in Chemical Sciences for sustainable development" held during 25 th - 26 th September, 2019.
7.	Organised International webinar on "Advances in Chemical Sciences" in association with KSTA, Govt of Karnataka from 19-22 Jan 2021.
8.	Co-ordinator, Special PG Lecture Series in Chemistry in association with KSTA, Govt of Karnataka in April 2022
9.	Organizing Secretary, XXVIII International Conference of International Academy of Physical Sciences to be held at VSK Unversity, Ballari from 21-23 Dec 2022.
10.	Member, National Conference on Sujalam to be held at VSK University, Ballari and Hampi, Vijayanagara dist from 29-31 Oct 2022

Special Lectures:

- 1. "Analytical Chemistry Education in India with special reference to Karnataka" <u>at 'Asianalysis XII' held in Aug 2013 in Japan.</u>
- "UV-Vis. Spectroscopy" at Saraladevi Govt. First Grade College, Ballari under Spectroscopy special lecture series on 8th April, 2015.

- 3. Invited Lecture/Resource Person, National Seminar on "Advances in Spectroscopy and Analytical Techniques" at Suvetha Institute of Sciences, NMIMS Deemed to be University, Mumbai.
- 4. Invited Lecture/Resource person and Session chair, Interdesciplinary International conference on "Energy and Environmental Impact on Biodiversity and Sustainable Development", BRABU University, Muzaffarpur, Bihar, Dec. 15-17, India
- 5. Invited Lecture, One day workshop on Emerging Trends in Basic Science and Technology, BITM Engg Collge, Ballari, Karnataka on 9th January, 2016.
- 6. Invited Lecture on "Principles of Analytical chemistry" at SBC and SV Science and SVPG College, Humnabad on 6th February, 2016.
- 7. Invited Lecture on Basic concepts of Chemistry at the work-shop conducted by Department of Chemistry, Gulbarga University on 4th 6th November, 2016.
- 8. Delivered Special talk at "Basics of Analytical Chemistry" at ASM Womens College, Ballari on 31st January, 2018.
- 9. Delivered special Lecture on "Nanotechnology and its Impact on your future" at Vijnana Sammelana of Koppal District at Govt First Grade College, Gangavathi on 16th February, 2018.
- 10. Delivered two lectures on "Basics of Alternative energy systems" and "Advanced Research in Alternative Energy Systems" at Refresher Course in Chemistry held at Mysore University on 19th February, 2018.
- 11. Chaired a session at KSTA National Conference held at Koppal on 23rd February, 2018.
- 12. Delivered Lecture at Dept. of Chemistry, Maharani's Science College, Mysore on 26th March, 2018.
- 13. Invited Lecture on "Chromatographic Techniques; Basics, Methodology and Applications" delivered at Tumkur University, Tumkur on 27th July, 2018.
- 14. Delivered invited lecture on "Electrochemical Sensors" at National Conference on Recent Trends in Chemical Sciences held at Pachamuthu Arts and Science College for Women, Dharmapuri, Tamil Nadu on 19th September, 2018.
- 15. "Nanotechnology" as part of Science day celebrations, ASM College, Ballari, 28th February, 2019.
- 16. Insights in Electrochemistry for Sustainable Development, at National conference on Developments in Chemical Biology and Materials Engineering at Veerashaiva college, Ballari on 30th 31st January, 2020.
- 17. Delivered lecture for Refresher Course participants at HR-UGC Academic Staff College, Mysore on 10th February, 2020.
- 18. Delivered a lecture at State Level Workshop in Kottureshwara College, Kottur on Research Methodology on 2th March, 2020.
- 19. Delivered a Lecture at Vijayanagara College, Hospet on "Research and Innovations in Chemistry" on 06/02/2021.
- 20. Delivered a Lecture at Veerashaiva College, Ballari on "Basics of spectroscopy" on 19/02/2021.
- 21. Delivered a lecture on Chromatography in Dept of Chemistry, Gulbarga University on 6/3/2021.
- 22. Delivered a lecture on "Nanotechnology for Sustainable development" at National webinar organized by ASM college, Ballari on 13/07/2021.
- 23. Delivered a Lecture on "Electrochemical energy systems as alternative energy systems" at Faculty Development Program on Recent Advances in Chemical Science and Intellactual Property Rights organized by Sapthagiri Engineering College, Bengaluru on 28/10/2021.
- 24. Delivered a lecture to Govt PU college students of Karnataka organized by KSTA, Govt of Karnataka on the topic "Stoichiometry" on 17/11/2021
- 25. Delivered an invited lecture on National Science day at ASM Women's College, Ballari on 28/02/2022 on Integrated approach in S and T for sustainable future.
- 26. Delivered an invited lecture on Functionalized Phthalocyanine as Efficient Electrocatalysts for Clean Energy Production at Virtual Conference on Recent Advances in Chemical Science and Medicinal Chemistry on 14 th March, 2022 organised by Dept of Organic Chemistry, University of Mysore, Mysore.
- 27. Delivered Special Lecture to M.Sc. Chemistry students of Gulbarga University on "Chromatographic techniques" at Gulbarga on 05/06/2022.

- 28. Participated in International workshop in "Role of Science, Technology and Innovation (STI) in Achieving Sustainable Development Goals-2030 on 24-25 May 2022 organised by Center for Science and Technology Non-Aligned and Other Developing Countries (NAM S&T Center) New Delhi
- 29. Presented paper on "Novel cobalt phthalocyanine as dual catalyst for oxygen reduction reaction and air cathode battery" at Workshop on "Electrochemical Energy Storage: Theory, Experiments and applications" organised by ICTP, Trieste, Italy from 5-26 May 2022.
- 30. Delivered a lecture to Govt PU college students of Karnataka organized by KSTA, Govt of Karnataka on the topic "Stoichiometry and Stoichiometric Calculations" on 05/07/2022.
- 31. Delivered lecture as Resource Person on the topic "Insights to electrochemistry" for Refresher Course participants at HR-UGC Academic Staff College, Pandit Ravishankar Sukla University, Raipur Chattisgarh on 13 and 14th July 2022.
- 32. Delivered invited Lecture at National Conference on New Vistas in Chemistry on "N4 macrocycles for clean energy production" held at Bangalore University on 3-4, Aug 2022.
- 33. Participated in International Roundtable on "Energy Storage Systems" organized by NAM S &T on 12/09/2022 through online mode.

Research Collaborations:	National Collaborations:
	a) Prof. Muhammed Mustafa, Department of Chemistry, IISER, Pune, India.
	b) Dr. Mariappan, Department of Chemistry, SRM University, Chennai,
	Tamilnadu.
	International Collaborations:
	a) Prof Karolien De Wael, Department of Chemistry, University of Antwerpen, Belgium.
	b) Prof Tebello Nyokong, Department of Chemistry, Rhodes University, South Africa
	c) Prof. Mirabbos Hojamberdiev, Senior Scientist, Tashkent Institute of Chemical Technology, Tashkent, Uzbekistan.
	d) Prof. Can Li, State Key Laboratory of Catalysis, Dalain Institute of Chemical Physics, Dalain, China.
	e) Prof. Mieke Adriaens, Dept of Analytical Chemistry, University of Ghent, Ghent, Belgium.

Membership of Academic bodies:

- 1. American Nano Society
- 2. The Electrochemical Society
- 3. Associate Member, KSTA

Editor and Reviewer of Research Journals:

- 1. Editor, Austin Journal of Analytical and Pharmaceutical Chemistry (I.F.=2.1)
- 2. Permanent Review Editor, Frontiers in Chemistry (I.F. =5.4)
- 3. Editor, Journal of International Academy of Physical Sciences
- 4. Editorial Board Member, Journal of Applied Solution Chemistry and Modeling

Reviewer:

 J. Physical Chemistry C, 2. Nanoscale, 3. New Journal of Chemistry, 4. Industrial & Engg Chemistry Research, 5. Electrochemica Acta, 6. Journal of Electrochemical Society, 7. Journal of Electroanalytical Chemistry, 8. Journal of Photochemistry and Photobiology A: Chemistry. 9. Inorganic chem commn, 10. International Journal of Environmental Analytical Chemistry, 11. J. Organometallic chemistry, 12. Materials Chemistry and Physics, 13. Talanta, 14. Materials Research Bulletin, 15. Applied Catalysis B, 16. Journal of Porphyrins and phthalocyanines, 17. J. Non Crystalline solids, 18. Journal of Applied Electrochemistry, 19. Microchimica Acta, 20. Microchemical J, 21) Food chemistry, 22) ACS Omega

Administrative Responsibilities:

- 1. Dean, Faculty of Pure Science, VSK University, Ballari- 2019 to 2021
- 2. Chairman, Department of Chemistry/Industrial Chemistry, VSK University, Ballari, 2019 to 2021
- 3. Syndicate Member, VSK University, July 2021 to Oct 2021
- 4. Director, USIC, VSK University, Ballari- 2015 to 2020
- 5. Director, Center of Excellence for Multidisciplinary Advanced Research Facility, 2021 to till now
- 6. Coordinator, ICT, VSK University, Ballari- 2017 to 2020.
- 7. Co-ordinator, Etender-2022-23
- 8. Academic Council member, VSK University, Ballari, 2018 to till now
- 9. Chairman, BOS (Chemistry), VSK University, Ballari-2019 to till now
- 10. Chairman, BOE (Chemistry-PG), VSK University, 2016-17, 2021-22; Chairman (BOE-Chemistry), Raichur university, Raichur-2022-23
- 11. Academic Council Member, Satishchandra Saraladevi Agarwal Govt (Autonomous) college, Ballari, 2020-till now
- 12. Chairman, UG and PG Admission Committee, VSK University, Ballari, 2017-19
- 13. NAAC Peer Team, Member and Coordinator
- 14. Chief Custodian, PG Valuation, VSK University, Ballari, 2022-23.
- 15. BOE Member, University of Mysore; Bangalore University, Davangere university; Mangalore university; Kuvempu university; Karnatak university; Rani Chennamma university; Gulbarga University; Tumkur University
- 16. Chairman, Affiliation Committee, VSK University
- 17. BOS member, Kuvempu university, Shivamogga; Gulbarga University, Kalburgi; Saraladevi Autonomous College, Ballari
- 18. BOA Member, Raichur University
- 19. Custodian (PG Exam), VSK University, 2013-14, 2021-22

Other Activities:

- 1. Conducting Campus placement drives for M.Sc Chemistry students
- 2.