

CURRICULUM VITAE

Dr. AMBARE REVANAPPA CHANDRAKANT

M.Sc., Ph.D. (PHYSICS)

<https://scholar.google.com/citations?user=5I-1thsAAAAJ>



1. Official Address : ASSISTANT PROFESSOR and HOD (PG)
DEPARTMENT OF PHYSICS,
K.M.C. COLLEGE, KHOPOLI,
T: KHALAPUR, D: RAIGAD – 410 203.
(S: MAHARASHTRA, N: INDIA)
2. Residential Address : VIRESHWAR HOUSING SOCIETY,
Flat No. 104, Building No. 03, Upper Khopoli, Khopoli,
Tal- Khalapur, Dist.- Raigad, Maharashtra, India.
Pin code: 410203.
3. Date of Joining : 01 August 2017.
4. Mobile No. : +919730014925, 7499752324
5. E-mail : revanambare@gmail.com, revanappa@kmccollege.in
6. Date of Birth : 01 June 1987.
7. Research Interest : Thin Film Nano-Materials, Electrodes,
Supercapacitor, Battery-Supercapacitor-Hybrid (BSH) Devices,
Gas Sensor, DSSCs etc.

DETAILS OF NATIONAL AND INTERNATIONAL RECOGNITION / AWARDS

ACADEMIC:-

Sr. No	Name of the Award	Name of the Awarding Agency	Place	Date and Year of Award
1.	Young Associate (YA)	Maharashtra Academy of Science, C-MET, PUNE	C-MET, PUNE	13.12.2025
2.				

CONFERENCE:-

Sr. No	Name of the Awardee with contact details	Name of the Award	Name of the Awarding Agency	Year of Award
01	Junior Research Fellowship	JRF	Bhabha Atomic Research Center (BARC), Mumbai.	(Jun. 2011 to March 2013).
02	Senior Research Fellowship.	SRF	Bhabha Atomic Research Center (BARC), Mumbai.	(Jun. 2013 to March 2014).
03	Best Poster Presentation	2 nd Prize <i>National Conference</i>	KBP, Pandharpur,	Sep. 17- 18, 2012.
04	Best Poster Presentation	1 st Prize <i>International Conference</i>	SRTM University, Nanded,	Jan, 13-14, 2013.
05	Best Poster Presentation	1 st Prize <i>International Symposium</i>	BARC, Mumbai	Dec, 9-13, 2013.
06	BEST RESEARCH POSTER	NATIONAL CONFERENCE	07-08, Feb. 2020 KLE College, Kalamboli	2020
07	BEST RESEARCH POSTER	NATIONAL CONFERENCE	15 Feb. 2020 GM College, Tala	2020

PATENTS: 1) INDIAN INTERNATIONAL

Sr. No	Title	Status / Application No.	Date
01	Spray pyrolyzed copper incorporated nickel oxide thin film electrodes for symmetric and asymmetric supercapacitor devices	202421040711 A	28/06/2024
02	Chemical Bath Deposited PANI//a-Fe ₂ O ₃ Composite Electrodes for Symmetric Supercapacitor Device	202421091465 A	24/11/2024
03	Sustainable green synthesis of Nickel oxide nanomaterial for efficient energy storage application.	202521055250 A	27/06/2025

2) US INTERNATIONAL

S. N.	Title	Status	Date
01	Process for synthesizing copper supported cobalt doped bismuth oxide nanomaterial electrode for supercapacitor application	US 2025/0191855 A1	JUN 12, 2025
02	Phyto-mediated synthesis of ZnO/CuO nano-composites for dual-mode supercapacitor devices	US20250239416A1	JUL 24, 2025
03	Synergetic composite phase-development of SrO/CdO thin film electrodes via layer-by-layer deposition for enhanced supercapacitor performance	US20250239417A1	JUL 24, 2025
04	One-step synthesis of barium oxide-cerium oxide thin film electrodes for high-performance asymmetric supercapacitors	US20250239419A1	JUL 24, 2025

ABROAD INTERNATIONAL CONFERENCE:

Sr. No	Title	Conference Title and Venue	Date
01	Enhanced Electrochemical Performance of Rod-Like SrO//CdO Nano composite Asymmetric Supercapacitors Fabricated via Anchored Layering	4th International Conference on Advanced Materials Synthesis, Characterization, and Applications (AMSCA-2024) Queensland University of Technology (QUT), Australia	September 25 to 27, 2024.
02	Green Synthesis of BaO//CuO Nanomaterials with Lantana Camara Leaf Extract for Next-Generation ASC Device with Bio-Derived Activated Carbon"	5th International Conference on Advanced Materials Synthesis, Characterization, and Applications (AMSCA-2025)". The conference will be held (offline mode) at the Sungkyunkwan University (SKKU), Suwon, South Korea	June 25 to 27, 2025.
03			

BOOKS

Sr. No.	Author/s	Title of Book	Year	Page no.	Name of Publisher	ISBN
1)	Dr. R. C. Ambare Prof. (Dr.) B.J. Lokhande	Non-Aqueous Route Sprayed Mn and Ru Doped Cobalt Oxide Supercapacitor Electrode	2018	1-320	LAP Lambert Academic Publisher, Germany	978-613-9-82951-4
2)	Dr. S. V. Khavale Dr. R. C. Ambare Dr. B. J. Lokhande	Potentiodynamic deposition of manganese and ruthenium doped cobalt oxide thin films for supercapacitor application	2023	1-180	LAP Lambert Academic Publisher, Germany	978-620-5-49397-7-

BOOK CHAPTER

Sr. No.	Author/s	Title of Book	Title of Book Chapter	Year	Editors of Book	Page no.	Name of Publisher	ISBN
1)	R. G. Bobade, R. C. Ambare , B. J. Lokhande	Thin Film Nanomaterials: Synthesis, Properties and Innovative Energy Applications	Electrodeposited Bismuth Oxide Electrodes for Energy Storage Applications	2023	S. G. Deshmukh, V. Kheraj, K. J. Karande, S.G. Kulkarni	29-48	Bentham Science Publishers	ISBN (Online): 978-981-5256-08-6 ISBN (Print): 978-981-5256-09-3

Life Member

1. Life Member of Society For Materials Chemistry, DAE-BARC, Mumbai, INDIA

International Journal Editorial Board

1. Editor: Special Issue "Advanced Materials for High-Performance Supercapacitors and Battery Applications [Batteries](#) (ISSN 2313-0105), IF:5.961
2. Editorial Board for our Physical Science & Biophysics Journal (PSBJ) (ISSN: 2641-9165).
3. Editorial Board Member in the Journal of Composites and Biodegradable Polymers ISSN (Online): 2311-8717.

RESEARCH-PUBLICATIONS

Total International/National Journal Publications	:	55
Total International/National Conference Publications	:	95
Total International/National Conference Attended	:	10
Total International/National Conference Attended (ONLINE)	:	07

Total:

Sr. No.	Author/s	Title of Article	Journal name	Year	Vol. No.	Page No.	ISSN/ E-ISSN	Article URL
1)	R.C. Ambare and B. J. Lokhande	Synthesis and Supercapacitive Study of Cadmium Oxide Thin Films Prepared by Electrodeposition	Invertis Journal of Renewable Energy	2011	1	1-5.	2454-7611	https://www.semanticscholar.org/paper/Synthesis-and-Supercapacitive-Study-of-Cadmium-Thin-Ambare-Lokhande/0c2e08fd14a20f7228094141e8ffa6c0ae34b8cd
2)	B.J. Lokhande, R.C. Ambare , R.S. Mane, S.R. Bharadwaj	Electrochemical Characterization of SILAR Deposited Nano-Fibrous CdO	Invertis Journal of Renewable Energy	2012	2	1-10.	2454-7611	
3)	B. J. Lokhande, R.C. Ambare , R.S. Mane, S.R. Bharadwaj	Boron-doped Cadmium Oxide Composite Structures and Their Electrochemical Measurements	Material Research Bulletin	2013	48	2978 – 2983.	0025-5408	https://doi.org/10.1016/j.materesbull.2013.03.028
4)	B.J. Lokhande, R.C. Ambare , Rajaram S. Mane, and S.R. Bharadwaj	Concentration-dependent electrochemical supercapacitive performance of Fe ₂ O ₃	Current Applied Physics	2013	13	985-989	1567-1739	https://doi.org/10.1016/j.cap.2013.01.047
5)	B. J. Lokhande, R.C. Ambare , R.S. Mane and	Potential specific capacitance in layered nickel ferrite electrochemical Supercapacitors	Invertis Journal of Renewable Energy	2013	2	77 - 88	2454-7611	https://www.semanticscholar.org/paper/Potential-Specific-Capacitance-in-Layered-Nickel-Lokhande-

	S.R. Bharadwaj							Ambare/824493919825ec1bbcd4e1ec2d116fa2a9c8175d
6)	R.C. Ambare, S.R. Bharadwaj B.J. Lokhande.	Concentration and Volume of the Spraying Solution affects on the Capacitive Behaviour of the Co ₃ O ₄ thin Films.	Invertis Journal of Renewable Energy	2013	4	212-221	2454-7611	https://www.researchgate.net/publication/303125404_Concentration_and_volume_of_the_spraying_solution_affects_on_the_capacitive_behaviour_of_the_Co3O4_thin_films
7)	R.C. Ambare, R. S. Mane, S.R. Bharadwaj and B. J. Lokhande.	Impact of % H ₂ O ₂ Incorporation on Crystallinity, Morphology and Electrochemical Measurements of Sprayed Co ₃ O ₄ films.	Invertis Journal of Renewable Energy	2013	4	198-205	2454-7611	https://www.semanticscholar.org/paper/Impact-of-H2O2-Incorporation-on-Crystallinity%2C-and-Ambare-Mane/d7a1338046d160fe17be31eff0f8c91fc7ebec85
8)	B. J. Lokhande, R.C. Ambare, S.R. Bharadwaj	Thermal Optimization and Supercapacitive Application of Electrodeposited Fe ₂ O ₃ Thin Films.	Measurement	2014	47	427-432.	0263-2241	https://doi.org/10.1016/j.measurement.2013.09.005
9)	R.C. Ambare, S.R. Bharadwaj and B. J. Lokhande	Non aqueous Media Dependent Scientific Supercapacitive Measurements of Co ₃ O ₄ Thin Film Electrode Prepared by Spray Pyrolysis	International Journal of Science and Nature	2014	5	663-668.	2229-6441	www.scienceandnature.org/IJ/SN/IJSN_Vol5(4)D2014/IJSN-VOL5(3)14-14.pdf
10	R.C. Ambare, S.R. Bharadwaj and B. J. Lokhande.	Electrochemical Characterization of Mn: Co ₃ O ₄ Thin films Prepared by Spray Pyrolysis via Aqueous route	Current Applied Physics	2014	14	1582-1590.	1567-1739	https://doi.org/10.1016/j.cap.2014.08.001
11	R.C. Ambare, S.R. Bharadwaj and B. J. Lokhande	Non Aqueous Route Spray pyrolysed Ru:Co ₃ O ₄ Thin electrodes For Supercapacitor Application	Applied Surface Science	2015	349	887-896	0169-4332	https://doi.org/10.1016/j.apsusc.2015.04.175
12	R.C. Ambare, S.R. Bharadwaj and B. J. Lokhande.	Spray Pyrolysed Mn: Co ₃ O ₄ Thin Film Electrodes via Non-aqueous Route and Their Electrochemical Parameter Measurements	Measurement	2016	88	66-76	0263-2241	https://doi.org/10.1016/j.measurement.2016.02.063
13	R.C. Ambare, Rajaram S. Mane, B.J. Lokhande,	A Review on Electrochemical Supercapacitors of Composite-Metal-Oxide Nanostructures	International Journal of Advanced Research	2016	3	1943-1975	2320-5407	https://www.researchgate.net/publication/313250009_A_REVIEW_ON_ELECTROCHEMICAL_SUPERCAPACITORS_OF_COMPOSITE-METAL-OXIDE_NANOSTRUCTURES
14	R.M. Kore, T.S. Ghadge, R. C. Ambare B. J. Lokhande	Effect of different Nickel precursors on capacitive behaviour of electrodeposited NiO thin films	AIP conference proceeding	2016	1724	020086	1551-7616	https://doi.org/10.1063/1.4945206
15	B.Y. Fugare, R.S. Ingole, R.C. Ambare and B. J. Lokhande	Substrate dependent capacitive performance of Spray Pyrolysed titanium oxide (TiO ₂)	AIP conference proceeding	2016	1724	020010	1551-7616	https://doi.org/10.1063/1.4945130
16	T.S. Ghadge, R.M. Kore, R.C. Ambare B.J. Lokhande	Deposition Time dependent Capacitive Study of Ru incorporated Copper Oxide Prepared by Two Stage Electrodeposition	AIP conference proceeding	2016	1724	020010	1551-7616	https://doi.org/10.1063/1.4945206
17	R. C. Ambare, B. J. Lokhande	Solution concentration and decomposition temperature dependent electrochemical behavior of aqueous route spray pyrolysed Mn ₃ O ₄ : Supercapacitive Approach	J. of Materials Science and Materials in Electronics	2017	28	12246-12252	1573-482X	https://doi.org/10.1007/s10854-017-7040-1
18	R.C. Ambare, S.R. Bharadwaj, R. S. Mane and B. J. Lokhande.	Ru incorporation enhanced electrochemical performance of spray deposited Mn: Co ₃ O ₄ nano-composite: Electrochemical approach	J. of Analytical and Applied Spray Pyrolysis	2018	132	245-253	0165-2370	https://doi.org/10.1016/j.jaap.2018.01.013

19	R.C. Ambar, R. S. Ingole, S.V Khavale, B. J. Lokhande	Electrochemical Characterization of Bismuth oxide Electrode Prepared via Aqueous Route.	International Journal on Multifaceted and Multilingual Studies	2018	V	1-5	2394-207X	
20	R. S. Ingole, R.C. Ambare, S.V Khavale, B. J. Lokhande, .	Synthesis and Characterization of Vanadium oxide Thin films for Electrochemical Characterization	International Journal on Multifaceted and Multilingual Studies	2018	V	1-5	2394-207X	
21	R.C. Ambare P. Shinde U Nakate B J. Lokhande Rajaram Mane	Sprayed Bismuth Oxide Interconnected Nanoplates Supercapacitor Electrode Materials	Applied Surface Science	2018	453	214- 219	0169-4332	https://doi.org/10.1016/j.apsusc.2018.05.090
22	R. C. Ambare B. J. Lokhande	Spray pyrolyzed Ni incorporated cobalt oxide thin film electrodes and their electrochemical	J of Material Science and Materials in Electronics.	2018	29	16289 – 16294	1573-482X	https://doi.org/10.1007/s10854-018-9718-4
23	P. Patil, U.T. Nakate, Y.T. Nakate, R.C. Ambare	Acetaldehyde sensing properties using ultrafine CuO nanoparticles	Materials Science in Semiconductor Processing.	2019	101,	76-81		https://doi.org/10.1016/j.mssp.2019.05.032
24	U.T. Nakate, P. Patil, B. Ghule, Y.T. Nakate, R.C. Ambare R.S. Mane	Room temperature LPG sensing properties using spray pyrolysis deposited nano- crystalline CdO thin films	Surfaces and Interfaces	2019	17	10033 9	2468-0230	https://doi.org/10.1016/j.surfsci.2019.100339
25	S.V. Khavale R.C. Ambare B. J. Lokhande	Molar Optimization of MnO ₂ to form Composite with Co ₃ O ₄ by Potentiodynamic Electrodeposition for better Electrochemical Characterizations	J. of Materials Science and Materials in Electronics	2020	31	7315– 7323	1573-482X	https://doi.org/10.1007/s10854-019-02420-8
26	R.C. Ambare, S.V. Khavale, U.T. Nakate, M.B Khanvilkar B.J Lokhande	Electrochemical Investigations of Spray Pyrolysed Ruthenium Incorporated Co ₃ O ₄ Electrodes Prepared Via Aqueous Route	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2021	615	12621 5.	0927-7757	https://doi.org/10.1016/j.colsurfa.2021.126215
27	P. Patil Y. T. Nakate, R.C. Ambare, Rahul S.Ingole, S. L.Kadam, U.T.Nakate	2-D NiO Nanostructured Material for High response Acetaldehyde Sensing Application	Materials Letter	2021	293	12975 7	0167-577X	https://doi.org/10.1016/j.matlet.2021.129757
28	MB Khanvilkar, AK Nikumbh, RA Pawar, NJ Karale, DV Nighot, R.C. Ambare, etl.	Preparation and Characterization of Nanosized Substituted Perovskite Compounds with Orthorhombic Structure	Physics and Chemistry of Solid State	2021	22	664- 686	1729-4428	https://doi.org/10.15330/pcss.22.4.664-686
29	S. D. Sonawane, A. V. Thakur, P. Suryawanshi, G. M. Vidyasagar, R. C. Ambare and B. J. Lokhande	AG: C20H9CLO5AG AS A Plausible Promising Material for The Treatment of Disease Condition Over SARS COV-	WORLD JOURNAL OF PHARMACY AND PHARMACEUTIC AL SCIENCES	2021	1	1-5	2278 – 4357	
30	S.V. Khavale R.C. Ambare, U.T. Nakate, M.B. Khanvilkar B.J. Lokhande	Potentiodynamic electrodeposited MnO ₂ :Co ₃ O ₄ thin films electrodes for supercapacitor application	J. of Materials Science and Materials in Electronics	2023	34	1345	1573-482X	https://doi.org/10.1007/s10854-023-10718-x

31	R. G. Bobade, U. T. Nakate, P. Roasiah, M. Ouladsmane B. J. Lokhande, R. C. Ambare	Nano-architectonics of Bi ₂ CuO ₄ Electrodes for Asymmetric Bi ₂ CuO ₄ //AC Solid-State Device in Supercapacitor Application	J. of Inorganic Chemistry	2023	154	11099 8	1387-7003	https://doi.org/10.1016/j.inoc.2023.110998
32	S.D. Sonawane, P. Suryawanshi, G.M. Vidyasagar, R.C. Ambare , A. V. Thakur, B.J. Lokhande	Cyclic Voltammetric Study of Organo-Metallic Electrode Sustaining High Potential Scan Rates	ES Energy & Environment	2023			2578-0646	
33	R. G. Bobade, N. B Dabke, S. F. Shaikh, Abdullah M. Al-Enizi, Bidhan Pandit, B. J. Lokhand, R. C. Ambare	Concentration Dependent SILAR Synthesized Di- bismuth Copper Oxide Nano- materials Electrode in Asymmetric Supercapacitor	J. of Materials Science and Materials in Electronics	2023	129	1-16	1573-482X	https://doi.org/10.1007/s10854-023-11818-4
34	T. S. Ghadage, S. V. Kambale, B. Y. Fugare, R.C. Ambare & B. J. Lokhande	Ru-Doped Nano Grain Hydrophilic Copper Hydroxide Electrodes for Supercapacitor Application	J. of Materials Science and Materials in Electronics	2023	34	2309	1573-482X	https://doi.org/10.1007/s10854-023-11708-9
35	V. B. Suryawanshi, R. G. Bobade D. S. Gaikwad, U.T. Nakate, S. F. Shaikh, B. J. Lokhande, R. C. Ambare	Nano-architected BaO Thin Film Electrode Synthesized via SILAR Technique for Supercapacitor Application	Chemical Papers	2024			2585-7290	https://doi.org/10.1007/s11696-024-03400-x
36	V. B. Suryawanshi, R. G. Bobade, B. J. Lokhande, R. C. Ambare	Electro-Synthesized Bismuth Oxide Nanomaterials on Flexible Substrate Electrode for Supercapacitor Application	ES Energy & Environment	2023	21	944	2578-0646	https://dx.doi.org/10.30919/es.2023.110998
37	V. B. Suryawanshi, R. G. Bobade D. S. Gaikwad, U.T. Nakate, S. F. Shaikh, B. J. Lokhande, R. C. Ambare	Nano-architected BaO Thin Film Electrode Synthesized via SILAR Technique for Supercapacitor Application	Chemical Papers	2024	4689– 4697		2585-7290	https://doi.org/10.1007/s11696-024-03400-x
38	R. G. Bobade, N. B Dabke, S. F. Shaikh, B. J. Lokhande, R. S. Mane, R. C. Ambare	Facile Chemical Synthesis of BaO:MgO Nanorods for Designing Distinctive Solid- State Asymmetric Supercapacitor Device with Activated Carbon	J. of Energy Storage	2024	110776		2352-1538	https://doi.org/10.1016/j.est.2024.110776
39	Shankar G. Randive, Rushikesh G. Bobade, Revanappa C. Ambare *, Balkrishna J. Lokhande	Spray Pyrolyzed Thorn-like Nanostructured Nickel Oxide Electrodes for Symmetric Supercapacitor Device	J. of Materials Science and Materials in Electronics	2024	577		1573-482X	https://doi.org/10.1007/s10854-024-12229-9
40	D. S. Gaikwad, R. G. Bobade, U. T. Nakate, P. Rosaiah, Ammar M. Tighezza, B. J. Lokhande, R. C. Ambare	SILAR Synthesized Co ₃ O ₄ /Bi ₂ O ₃ on Copper Substrate Nanocomposite Electrode and Asymmetric Co ₃ O ₄ /Bi ₂ O ₃ /CuO: AC Solid State Device in Supercapacitor	J. of Materials Science and Materials in Electronics	2024	489		1573-482X	https://doi.org/10.1007/s10854-024-12220-4

41	D. S. Gaikwad, R. G. Bobade, V. B. Suryawanshi, U.T. Nakate, S. F. Shaikh, Abdullah M. Al-Enizi, N. B Dabke, B. J. Lokhande, R. C. Ambare	Electrochemical property of Nanospheres-like MgO Electrode Synthesized via SILAR In Asymmetric Supercapacitor	J. of Materials Science and Materials in Electronics	2024	362		1573-482X	https://doi.org/10.1007/s10854-024-12196-1
42	R. G. Bobade, N. B Dabke S.F. Shaikh, A. M. Al-Enizi, Bidhan Pandit, B. J. Lokhand, R. C. Ambare	Influence of Deposition Potential on Electrodeposited Bismuth-Copper Oxide Electrodes for Asymmetric Supercapacitor	Batteries and Supercapacitor	2024		e2024 00163	2566-6223	https://doi.org/10.1002/batt.202400163
43	Sanjaykumar S Pujari, Rushikesh G Bobade, Revanappa C Ambare, Balkrishna J Lokhande	Facile fabrication of binary mixed phase Ru doped Fe ₂ O ₃ as a potential electrode material for high-performance supercapacitors	ES Energy & Environment	2024			1324	DOI: 10.30919/esee1324
44	S.S. Pujari, R.G. Bobade, R.C. Ambare, B.J. Lokhande	Temperature-Contingent Electrochemical Capacitive Concert of Nanospheres Iron Oxide (Fe ₂ O ₃) as a Supercapacitor Electrode	ES Chemistry and Sustainability 1, 1323	2024			1323	DOI: 10.30919/escs1323
45	SS Pujari, RG Bobade, SF Shaikh, AM Al-Enizi, R.C Ambare, BJ Lokhande	A binderless Ru:α-Fe ₂ O ₃ binary nanocomposite electrode for supercapacitor applications	Journal of Materials Science: Materials in Electronics	2024			(34), 2162	1573-482X https://doi.org/10.1007/s10854-024-13857-x
46	RG Bobade, AP Khedulkar, RS Ingole, VB Suryawanshi, SF Shaikh, R. C. Ambare	Development of flake-rod like SrO thin films via SILAR method for efficient energy storage in supercapacitors	Journal of Materials Science: Materials in Electronics	2025			(7), 408	1573-482X https://doi.org/10.1007/s10854-025-14330-z
47	RG Bobade, B Pandit, AP Khedulkar, SF Shaikh, R.C. Ambare	High-performance cerium oxide thin film electrodes prepared by layered deposition technique for enhanced supercapacitor performance	Chem Phys Mater	2025				388-398 https://doi.org/10.1016/j.chphma.2025.05.002
48	AP Khedulkar, RG Bobade, R Doong, B Pandit, RC Ambare	Bio-based nanomaterials as effective, friendly solutions and their applications for protecting water, soil, and air	Materials Today Chemistry	2025			10268 8	https://doi.org/10.1016/j.mtchem.2025.102688
49	RG Bobade, B Pandit, AP Khedulkar, VS Raykar, PB Sarawade, Revanappa C Ambare,	Electrochemical investigation of crinum asiaticum-like BaO-CeO ₂ nanostructure for high-performance asymmetric supercapacitor	Inorganic Chemistry Communications	2025				114370 https://doi.org/10.1016/j.inoche.2025.114370
	Shivaji D Waghmare, ---, Rushikesh G Bobade, Revanappa C Ambare, etl.	Tungsten-doped bismuth ferrite nanoparticle electrodes for energy storage application	Journal of Materials Science: Materials in Electronics	2025				1573-482X https://doi.org/10.1007/s10854-025-15947-w

50	Meghana S Thakare, Rushikesh G Bobade, Sharad P Panchgalle, Ramdas A Pawar, Geeta M Jadhavar, Revanappa C Ambare	Magnetic and electrochemical exploration of Ni/NiO nanocomposite synthesized via dicarboxylate co-precipitation method	Journal of Materials Science: Materials in Electronics	2025	1-18		1573-482X	https://doi.org/10.1007/s10854-025-15891-9
51	Pitchai Marimuthu, Thamilselvan Annadurai, Akhil Pradiprao Khedulkar, Rushikesh G Bobade, Moon Il Kim, Revanappa C Ambare, Ramu	Quinoline based dual fluorescence chemosensor for the detection of Zn ²⁺ and Cd ²⁺ ions	Journal of Materials Science: Materials in Electronics	2025	1761		1573-482X	https://doi.org/10.1007/s10854-025-15793-w
52	Rushikesh G Bobade, Akhil P Khedulkar, Shilpa Pande, Navnath S Padalkar, Jong Pil Park, Shoyebmohamad F Shaikh, Pravinkumar B Nagore, Pradip B Sarawade, Syed Sarim Imam, Revanappa C Ambare	Green synthesis of Mn ₃ O ₄ nanomaterials by Cassia tora leaves extract for supercapacitor device with activated carbon	Journal of Materials Science: Materials in Electronics	2026	118	10	1573-482X	https://doi.org/10.1007/s10971-026-07116-0
53	Rushikesh G Bobade, Shilpa Pande, Navnath S Padalkar, Jong Pil Park, Shoyebmohamad F Shaikh, Sadaf Jamal Gilani, Pradip B Sarawade, Balkrishna J Lokhande, Revanappa C Ambare	Green bio-assisted synthesis of zinc oxide nanostructure by night jasmine leaf extract for supercapacitor electrode	Journal of Materials Science: Materials in Electronics	2026	37	832	1573-482X	https://doi.org/10.1007/s10854-026-17082-6
54	Rushikesh G Bobade, Shilpa Pande, Navnath S Padalkar, Jong Pil Park, Pradip B Sarawade, Shoyebmohamad F Shaikh, Raisuddin Ali, Abu ul Hassan S Rana, Revanappa C Ambare	Facile one-pot fabrication of quasi-spherical copper oxide electrode for supercapacitor	Journal of Materials Science: Materials in Electronics	2026	37	933	1573-482X	https://doi.org/10.1007/s10854-026-17263-3
55	Rushikesh G Bobade, Bidhan Pandit, Ashutosh V Rajgure, Shoyebmohamad F Shaikh, Revanappa C Ambare	Strategic Design of CeO ₂ -Mn ₃ O ₄ Nanostructures for Dual Functional Applications in Solid-State Supercapacitors and Overall Water Splitting Catalysis	Advanced Energy and Sustainability Research	2026		1-19	2699-9412	https://doi.org/10.1002/aesr.202600001
56	Shilpa P. Thokale a, Mahadev T. Mhetre a,b, Rushikesh G. Bobade c, Shoyebmohamad	Nanostructured Iron Oxide Thin Films via Chemical Bath Deposition: Tailored Synthesis, Characterization, and Supercapacitor Performance	Journal of Materials Science: Materials in Electronics	2026	Accepted		1573-482X	

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Conference Proceedings

Sr. No.	Author/s	Title of Article	Title of Conference Proceedings	Year	Page no.	Place of Conference
1.	R.C. Ambare, S.R. Bharadwaj, and B. J. Lokhande	Spray pyrolysed Mn doped Cobalt oxide Thin Films for Supercapacitor	THERMANS 2013 Nineteenth Symposium and Workshop on Thermal Analysis	December 19-21 2013	474	Bhabha Atomic Research Centre Trombay, Mumbai-400 085 India
2.	R.C. Ambare, S.R. Bharadwaj, and B. J. Lokhande	Effect of Methonolic Media on Super capacitive Characteristics of prepared manganese oxide thin films	THERMANS 2013 Nineteenth Symposium and Workshop on Thermal Analysis	December 19-21 2013	480	Bhabha Atomic Research Centre Trombay, Mumbai-400 085 India
3.	R.C. Ambare, S.R. Bharadwaj, B. J. Lokhande and M. D. Uplane	Spray Pyrolysed Zn _{1-x} Cd _x O thin films supercapacitor Electrode	THERMANS 2013 Nineteenth Symposium and Workshop on Thermal Analysis	December 19-21 2013	485	Bhabha Atomic Research Centre Trombay, Mumbai-400 085 India
4.	R.C. Ambare, S.R. Bharadwaj, and B. J. Lokhande	Effect of Scan rate and Stability Study of Ru-incorporated Mn-Co ₃ O ₄ Electrodes for Supercapacitor Application	DAE-BRNS 5th Interdisciplinary Symposium on Materials Chemistry	December 9 – 13, 2014	H – 131 314	Society for Materials Chemistry, India & Chemistry Division Bhabha Atomic Research Centre Trombay, Mumbai-400 085 India
5.	R. C. Ambare, R. S. Ingole, S. R. Bharadwaj, and B. J. Lokhande	Electrolytic Effect of Spray Pyrolytic Aqueous Synthesis of Ru doped Co ₃ O ₄ Electrode for Supercapacitor Application	DAE-BRNS 5th Interdisciplinary Symposium on Materials Chemistry	December 9 – 13, 2014	H-132 315	Society for Materials Chemistry, India & Chemistry Division Bhabha Atomic Research Centre Trombay, Mumbai-400 085 India
6.	R. S. Ingole, R. C. Ambare, S. R. Bharadwaj, B. J. Lokhande	Effect of Electrolytes on Supercapacitive Behaviors of Vanadium Oxide Thin Film Prepared by Dip Coating Technique	DAE-BRNS 5th Interdisciplinary Symposium on Materials Chemistry	December 9 – 13, 2014	H – 133 316	Society for Materials Chemistry, India & Chemistry Division Bhabha Atomic Research Centre Trombay, Mumbai-400 085 India

Details Papers Published in INTERNATIONAL Conference / Workshop / Symposium.

S.N.	Name of the Authors	Title	Name of the International conference	Year of Publication	Affiliating Institute
1.	B.J. Lokhande, R.C. Ambare	Nanocrystalline Al _{1-x} Cd _x O thin films and their structural characteristics prepared SILAR chemical method. (Paper for <i>Poster Presentation</i>).	<i>International SRTM University Nanded</i>	Jan. 11-13, 2011.	SUS
2.	R.C. Ambare , S.R. Bharadwaj, B.J. Lokhande	Electrochemical Characterization of Thermally optimized Electrodeposited Fe O Thin Films for Supercapacitor. (Paper for <i>Poster Presentation</i>).	<i>17th International School of Chemical Sciences, Solapur University, Solapur</i>	21 nd - 24 th January, 2012.	SUS
3.	R.C. Ambare , S.V. Khavale, T. S. Ghadge, S.R. Bharadwaj, B. J. Lokhande	Substrate Dependent Capacitive Study of Spray Pyrolysed Co ₃ O ₄ (Paper for <i>Poster Presentation</i>).	<i>2nd International School of Chemical Sciences, Solapur University, Solapur</i>	2 nd - 4 th November, 2012.	SUS
4.	R.C. Ambare , S.V. Khavale, T. S. Ghadge, S.R. Bharadwaj,	Effect of Electrolytes on Capacitive Behaviour of Spray Pyrolysed Co ₃ O ₄ (Paper for <i>Poster Presentation</i>).	<i>2nd International School of Chemical Sciences, Solapur University, Solapur</i>	2 nd - 4 th November, 2012	SUS

	B. J. Lokhande.				
5.	R.C. Ambare, S.R. Bharadwaj, B. J. Lokhande	Synthesis and Capacitive Study of SILAR deposited Nickel Ferrite Thin Films (Paper for <i>Poster Presentation</i>).	2 nd International School of Chemical Sciences, Solapur University, Solapur	2 nd - 4 th November, 2012	SUS
6.	R.C. Ambare, S.R. Bharadwaj, B. J. Lokhande.	Preparation and Galvanostatic Capacitive Characterization of Fe ₂ O ₃ (Paper for <i>Poster Presentation</i>).	2 nd International School of Chemical Sciences, Solapur University, Solapur	2 nd - 4 th November, 2012.	SUS
7.	R.C. Ambare, S.V. Khavale, S.R. Bharadwaj, B. J. Lokhande,	Electrochemical Material Characterization of Spray Pyrolysed Co ₃ O ₄	4 th Interdisciplinary Symposium DAE-BRNS Mumbai.	Dec. 11-15, 2012	SUS
8.	S.V. Khavale, R.C. Ambare, S.R. Bharadwaj, B. J. Lokhande,	Effect of Annealing Temperature on Electrochemical Characterization of Electrodeposited Cobalt oxide. (Paper for <i>Poster Presentation</i>).	4 th Interdisciplinary Symposium DAE-BRNS Mumbai.	Dec. 11-15, 2012	SUS
9.	R.C. Ambare, S.R. Bharadwaj, B. J. Lokhande.	Spray Pyrolysed Mn doped Cobalt Oxide Thin Films for Supercapacitor (Paper for <i>Poster Presentation</i>).	4 th Interdisciplinary Symposium DAE-BRNS Mumbai.	Dec. 11-15, 2012	SUS
10.	R.C. Ambare, S.R. Bharadwaj, B. J. Lokhande.	Effect of Methanolic media on Supercapacitive Characteristics of Prepared Manganese Oxide Thin Films	Symposium and Workshop DAE-BRNS Mumbai.	Dec. 19-21, 2013.	SUS
11.	B.J. Lokhande, R.C. Ambare, S.R. Bharadwaj, M.D. Uplane.	Spray Pyrolysed Zn _{1-x} Cd _x O Thin Films for Supercapacitor Electrode (Paper for <i>Poster Presentation</i>).	Symposium and Workshop DAE-BRNS Mumbai.	Dec. 19-21, 2013.	SUS
12.	R.C. Ambare, S.R. Bharadwaj, N.S. Gaikwad, B.J. Lokhande	Supercapacitive study of Spray pyrolysed Co ₃ O ₄ prepared using different non-aqueous medias. . (Paper for <i>Poster Presentation</i>).	International SRTM University, Nanded,	Jan., 13-14, 2013.	SUS
13	R.C. Ambare, S.R. Bharadwaj, B.J. Lokhande	Spray Pyrolysed Mn doped Cobalt Oxide Thin Films prepared via Non aqueous Route for Supercapacitor.	International Shivaji University, Kolhapur	April, 13-15, 2013.	SUS
14.	R.C. Ambare, S.R. Bharadwaj, B.J. Lokhande	Spray Pyrolysed Manganese Oxide Thin Films for supercapacitor (Paper for <i>Poster Presentation</i>).	International Shivaji University, Kolhapur	April, 13-15, 2013.	SUS
15	R.C. Ambare, S.R. Bharadwaj, B.J. Lokhande	Effect of Scan rate and Stability Study of Ru-incorporated Mn-Co ₃ O ₄ Electrodes for Supercapacitor Application (Paper for <i>Poster Presentation</i>).	5 th Interdisciplinary Symposium DAE-BRNS Mumbai.	Dec. 9-13, 2014.	SUS
16	R. C. Ambare, R. S. Ingole, S. R. Bharadwaj, B. J. Lokhande	Electrolytic Effect of Spray Pyrolytic Aqueous Synthesis of Ru doped Co ₃ O ₄ Electrode for Supercapacitor Application (Paper for <i>Poster Presentation</i>).	5 th Interdisciplinary Symposium DAE-BRNS Mumbai.	Dec. 9-13, 2014.	SUS
17.	R. S. Ingole, R.C. Ambare, S.R. Bharadwaj, B.J. Lokhande	Effect of Electrolytes on Supercapacitive Behaviors of Vanadium Oxide Thin Film Prepared by Dip Coating Technique (Paper for <i>Poster Presentation</i>).	5 th Interdisciplinary Symposium DAE-BRNS Mumbai.	Dec. 9-13, 2014	SUS
18	T.S Ghadge, R. M. Kore R.C. Ambare, B.J. Lokhande	Deposition potential dependent capacitive study of Ru incorporated Copper hydroxide. (Paper for <i>Poster Presentation</i>).	International GITAM University, Visakhapatnam	Dec. 14 th to 17 th 2015,	SUS
19	T.S Ghadge, R. M. Kore ^a , R. C. Ambare, B. J. Lokhande	Non-Aqueous Medium Dependent Synthesis Of Ru-Incorporated Copper Hydroxide Thin Films: Electrochemical Study. (Paper for <i>Poster Presentation</i>).	International GITAM University, Visakhapatnam	Dec. 14 th to 17 th 2015,	SUS
20	T.S. Ghadge, R.M. Kore, R. C. Ambare,	Deposition Time dependent Capacitive Study of Ru incorporated Copper Oxide Prepared by Two Stage	2 nd International Manipal University, Jaipur,	24-25 October 2015	SUS

	B.J. Lokhande	Electrodeposition. (Paper for <i>Poster Presentation</i>).			
21	R. M. Kore, T. S. Ghadge, R. C. Ambare , B. J. Lokhande	Effect of Different Nickel Precursors on Capacitive Behavior of Electrodeposited NiO Thin films. (Paper for <i>Poster Presentation</i>).	2 nd International Manipal University, Jaipur,	24-25 October 2015,	SUS
22.	A.V. Thakur, S.D. Sonawane, G.M. Vidyasagar, P. Suryawanshi, R.C. Ambare , B.J. Lokhande.	Biosynthesis of Ag:C ₂₀ H ₉ ClO ₅ :Ag: carbon Electrode using Opuntia Cochenillifera Fruit Extract and its electrochemical study (Paper for <i>Poster Presentation</i>).	International D.Y. Patil University, Kolhapur	9-11, Nov. 2017	SUS
23.	R.C. Ambare , R.S. Ingole, B.J. Lokhande.	Spray deposited Ternary oxide nano-composite Electrode: Electrochemical Supercapacitor Application (Paper for <i>Poster Presentation</i>).	International KTHM, College, Nashik	12-13, Jan. 2018	SUS
24.	R.C. Ambare , R. Bobade, R. S, Ingole and B.J. Lokhande,	Electrodeposited Manganese Oxide Thin Film Electrodes: Supercapacitor Application (Paper for <i>Poster Presentation</i>).	International KTHM, College, Nashik	12-13, Jan. 2018	KMC
25.	R. S. Ingole, R.C. Ambare , B.J. Lokhande.	Structural, Morphological and Electrochemical Characterizations of Electrochemically Deposited Iron Oxide Thin Films (Paper for <i>Poster Presentation</i>).	International KTHM, College, Nashik	12-13, Jan. 2018	KMC
26	R. S. Ingole, R. Vehele, V. Dabade, R.C. Ambare , B.J. Lokhande,	SILAR Deposited Vanadium Oxide Thin Film Electrodes For Supercapacitor Application (Paper for <i>Poster Presentation</i>).	International KTHM, College, Nashik	12-13, Jan. 2018	KMC
27	R.C. Ambare , R. S. Ingole, S.V Khavale, B.J. Lokhande	Electrochemical Characterization of Bismuth oxide Electrode Prepared via Aqueous Route (Paper for <i>Poster Presentation</i>).	International Science, Indapure College	26-27, Feb. 2018	KMC
28	R. S. Ingole, R.C. Ambare , S.V Khavale, B.J. Lokhande	Synthesis and Characterization of Vanadium oxide Thin films for Electrochemical Characterization. (Paper for <i>Poster Presentation</i>).	International Science, Indapure College	26-27, Feb. 2018	KMC
29	R.C. Ambare , A.V. Thakur B.J. Lokhande	Preparation and Electrochemical Characterizations of Ruthenium Oxide Electrode by Automatic Spray Pyrolysis (Paper for <i>Poster Presentation</i>).	International	Kerala Conference.	KMC
30	R.S.Ingole, S.L.Kadam, RC Ambare BJ Lokhande	Influence of solution concentration on physical and electrochemical properties of spray deposited Vanadium oxide Thin Films (Paper for <i>Poster Presentation</i>).	International	EGMAT International conference, Thiruanantpuram	KMC
31	R.C. Ambare B. J. Lokhande	Electrochemical Supercapacitive Investigations of Ru incorporated Mn: Co ₃ O ₄ Electrodes for Electrolytic-Solid State Symmetric Devices (Oral for <i>Poster Presentation</i>).	International e-conference (ONLINE)	Energy and Environment 2021 on 27/05/2021	KMC
32	R. Bobade, R.C. Ambare	Supercapacitive Characterization of Molarity Dependent Bismuth Oxide Nano-Materials Synthesized from SILAR Method (Oral for <i>Poster Presentation</i>).	International e-conference (ONLINE)	Energy and Environment 2021 on 30/05/2021	KMC
33	R. Bobade, R.C. Ambare	Bismuth Oxide Nano-Material Electrode Prepared on Various Substrate via Electrodeposition for Supercapacitive Characterizations (Oral for <i>Poster Presentation</i>).	International Conference on Advanced Materials and Mechanical Characterization	SRM Institute of Science and Technology, Kattankulathur 2/12/2021 – 4/12/2021	KMC

34	R.C. Ambare. R.G. Bobade' U.T. Nakate	Deposition Time Dependent Bismuth Oxide Nano-Material Electrode Synthesized via Electrodeposition for Supercapacitive Characterizations	International Conference on Advanced Materials and Mechanical Characterization	SRM Institute of Science and Technology, Kattankulathur 2/12/2021 – 4/12/2021	KMC
35	R.G. Bobade R.C. Ambare.	Electrochemical Characterizations of Bismuth Oxide Nano-Material Electrode Synthesized via Electrodeposition Potential Variation	6 th International Conference on Recent Advances in Material Chemistry	SRM Institute of Science and Technology 17/02/2022 – 19/02/2022	KMC
36	R.C. Ambare R.G. Bobade	Electrodeposited Molarity Variation Dependent Bismuth Oxide Nano-Material Electrode Prepared viafor Supercapacitive	6 th International Conference on Recent Advances in Material Chemistry	SRM Institute of Science and Technology 17/02/2022 – 19/02/2022	KMC
37	R.G. Bobade R.C. Ambare	Supercapacitive Studies of Cobalt-Doped Bismuth Oxide Electrode Material Synthesized Via SILAR	International Conference on Advances in Material Science, Bio-science and Information Technology	Mahatma Phule Arts, Science and Commerce College, Panvel, District-Raigad. 26/12/2022	KMC
38	R.C. Ambare, R.G. Bobade, B. J. Lokhande	Electrodeposited Molarity Dependent Bismuth Oxide Binder Free Flexible Electrode and ASSD (Bi ₂ CuO ₄ //AC) Supercapacitor Device	Conference on Electrochemistry for Industry, Health and Environment (EIHE 2023)	DAE Convention Centre, Anushaktina-gar, Mumbai 7-11 February 2023	KMC
39	R.G. Bobade, R.C. Ambare, B. J. Lokhande	One-Step Electrodeposited Cobalt Doped Bismuth Nanoparticles on Flexible Copper Substrate: Influence of Bismuth and Cobalt ratio	Conference on Electrochemistry for Industry, Health and Environment (EIHE 2023)	DAE Convention Centre, Anushaktina-gar, Mumbai 7-11 February 2023	KMC
40	A. S. Bombe, R. R. Shende, M. S. Thakare, R. G. Bobade, B.J. Lokhande, R. C.Ambare.	Supercapacitive Characterizations of Copper Oxide Nanoparticle Synthesized using moringa oleifera Leaf Extract Via Green Technique	International Conference on Recent Advances in Science, Technology, Humanities and Management.	V.G. Vaze College of Arts, Science & Commerce. 10-11 February 2023	KMC
41	M. S. Shelke, A. A. Raiban, M. S. Thakare, R. G. Bobade, B.J. Lokhande, R. C.Ambare.	Dioscorea bulbifera Leaf Extract as a Capping Agent for Synthesis of Strontium Oxide Via Green Technique for Supercapacitive Studies	International Conference on Recent Advances in Science, Technology, Humanities and Management.	V.G. Vaze College of Arts, Science & Commerce. 10-11 February 2023	KMC
42	S. K. Jangam, R. U. Singh, P. M. Sharma, R. G. Bobade, B.J. Lokhande, R. C.Ambare.	Synthesis of ZnO Electrode using night jasmim Leaf Extract As a Capping Agent for Supercapacitor Applications	International Conference on Recent Advances in Science, Technology, Humanities and Management.	V.G. Vaze College of Arts, Science & Commerce. 10-11 February 2023	KMC

43	P. H. Mune, M. S. Mundhe, P. M. Sharma, R. G. Bobade, B.J. Lokhande, R. C.Ambare.	Barium oxide Nanomaterials Prepared using lantana camorra Leaf Extract Via Green Synthesis Method for Supercapacitor Applications	International Conference on Recent Advances in Science, Technology, Humanities and Management.	V.G. Vaze College of Arts, Science & Commerce. 10-11 February 2023	KMC
44	A.R. Dhakwal, P. S. Madivel, S.A. Shivade, R. G. Bobade, B.J. Lokhande, R.C. Ambare.	Magnesium Oxide Nanomaterial Electrode for Supercapacitor Applications Synthesized using bauhinia racemosa As a Leaf Extract	International Conference on Recent Advances in Science, Technology, Humanities and Management.	V.G. Vaze College of Arts, Science & Commerce. 10-11 February 2023	KMC
45	V. S. Utekar, P. U. Shirke, S.A. Shivade, R. G. Bobade, B.J. Lokhande, R.C. Ambare.	Supercapacitive Studies of Manganese Oxide Electrode Via Green synthesis using cassia tora As a Leaf Extract	International Conference on Recent Advances in Science, Technology, Humanities and Management.	V.G. Vaze College of Arts, Science & Commerce. 10-11 February 2023	KMC
46	P. K. Godse, M. C. Bhase, S.A. Shivade, R. G. Bobade, B.J. Lokhande, R.C. Ambare.	Supercapacitor Applications of Urena sinuata Leaf Extract for Synthesis of BiO Nanoparticle Via Green Technique	International Conference on Recent Advances in Science, Technology, Humanities and Management.	V.G. Vaze College of Arts, Science & Commerce. 10-11 February 2023	KMC
47	S. S. Deshmukh, V.G. endbhaje, S.A. Shivade, R. G. Bobade, B.J. Lokhande, R.C. Ambare.	Supercapacitive Characterizations of Green Synthesised CeO Nanomaterial using Nagali Extract	International Conference on Recent Advances in Science, Technology, Humanities and Management.	V.G. Vaze College of Arts, Science & Commerce. 10-11 February 2023	KMC
48	M. A. Sayyed, D. B. Bhoir, S.A. Shivade, R. G. Bobade, U. T. Nakate, B.J. Lokhande, R.C. Ambare.	Mikania micaratha As a Leaf Extract for Bismuth Oxide Nanomaterials Synthesized via Green Technique for Supercapacitive Studies	International Conference on Recent Advances in Science, Technology, Humanities and Management.	V.G. Vaze College of Arts, Science & Commerce. 10-11 February 2023.	KMC
49	V. S. Chorge, V. P. Shirsath, S.A. Shivade, R. G. Bobade, U. T. Nakate, B.J. Lokhande, R.C. Ambare.	Synthesis of Nickel Oxide Nanoparticle using Achryanthes Aspera Leaf Extract Via Green Technique for Supercapacitive Analysis	International Conference on Recent Advances in Science, Technology, Humanities and Management.	V.G. Vaze College of Arts, Science & Commerce. 10-11 February 2023	KMC
50	A. S. Bombe, R. R. Shende, M. S. Thakare, S. A. Shivade, R. G. Bobade, B. J. Lokhande, R. C. Ambare	Green synthesis of Copper Oxide Nanoparticle using moringa oleifera Leaf Extract for Supercapacitor Applications	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh. 27 – 29 March 2023	KMC
51	A. A. Raiban, M. S. Shelke,	Strontium Oxide nanoparticle Synthesized using green synthesis	7th International	SRM University, Andhra Pradesh.	KMC

	S. Thakare, S. A. Shivade, R. G. Bobade, B. J. Lokhande, R. C. Ambare	Method dioscorea bulbifera Leaf Extract for Supercapacitor Applications	Conference on Nanoscience and Nanotechnology, SRM University	27 – 29 March 2023	
52	R. U. Singh, S. K. Jangam, P. M. Sharma, S. A. Shivade, R. G. Bobade, B. J. Lokhandec, R. C. Ambare	Green synthesis of ZnO Electrode using night jasmim Leaf Extract for Supercapacitor Applications	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh. 27 – 29 March 2023	KMC
53	R. U. Singh, S. K. Jangam, P. M. Sharma, S. A. Shivade, R. G. Bobade, B. J. Lokhandec, R. C. Ambare	BaO Electrode Prepared using lantana camorra Leaf Extract Via Green Synthesis Method for Supercapacitor Applications	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh. 27 – 29 March 2023	KMC
54	M. C. Bhase , P. K. Godse, S. A. Shivade, R. G. Bobade, B. J. Lokhandec, R. C. Ambare	Urena sinuata Leaf Extract for Synthesis of BiO Nanoparticle Via Green Method for Supercapacitor Applications	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh. 27 – 29 March 2023	KMC
55	P. S. Madivel, A. R. Dhakwal, S. A. Shivade, R. G. Bobade, B. J. Lokhandec, R. C. Ambare	Supercapacitor Applications of Green Synthesized MgO Electrode using bauhinia racemosa As a Leaf Extract	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh. 27 – 29 March 2023	KMC
56	P. U. Shirke, V. S. Utekar, S. A. Shivade, R. G. Bobade, B. J. Lokhandec, R. C. Ambare	Green synthesis of MnO Electrode using cassia tora Leaf Extract for Supercapacitor Applications	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh. 27 – 29 March 2023	KMC
57	S. S. Deshmukh, V. G. endbhaje, R.G. Bobade, S.A. Shivade, U. T. Nakate, B. J. Lokhande, R.C. Ambare	Green synthesis of CeO Electrode using nagali extract for Supercapacitor Application	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh. 27 – 29 March 2023	KMC
58	R. U. Singh, S. K. Jangam, P. M. Sharma, S. A. Shivade, R. G. Bobade, B. J. Lokhandec, R. C. Ambare	BaO Electrode Prepared using lantana camorra Leaf Extract Via Green Synthesis Method for Supercapacitor Applications	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh 27 – 29 March 2023	KMC
59	M. C. Bhase , P. K. Godse, S. A. Shivade, R. G. Bobade, B. J. Lokhandec, R. C. Ambare	Urena sinuata Leaf Extract for Synthesis of BiO Nanoparticle Via Green Method for Supercapacitor Applications	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh 27 – 29 March 2023	KMC
60	P. S. Madivel, A. R. Dhakwal, S. A. Shivade, R. G. Bobade, B. J. Lokhandec, R. C. Ambare	Supercapacitor Applications of Green Synthesized MgO Electrode using bauhinia racemosa As a Leaf Extract	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh 27 – 29 March 2023	KMC

61	P. U. Shirke, V. S. Utekar, S. A. Shivade, R. G. Bobade, B. J. Lokhandec, R. C. Ambare	Green synthesis of MnO Electrode using cassia tora Leaf Extract for Supercapacitor Applications	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh 27 – 29 March 2023	KMC
62	S. S. Deshmukh, V. G. endbhaje, R.G. Bobade, S.A. Shivade, U. T. Nakate, B. J. Lokhande, R.C. Ambare	Green synthesis of CeO Electrode using nagali extract for Supercapacitor Application	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh. 27 – 29 March 2023	KMC
63	D. B. Bhoir, M. A. Sayyed, R.G. Bobade, S.A. Shivade, U. T. Nakate, B. J. Lokhande, R.C. Ambare	Bismuth Oxide electrodes Synthesized via Green Method using mikania micaratha Leaf Extract for Supercapacitor Applications	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh. 27 – 29 March 2023	KMC
64	V. P. Shirsath, V. S. Chorge, R.G. Bobade, S.A. Shivade, U. T. Nakate, B. J. Lokhande, R.C. Ambare	Green synthesis of NiO nanoparticle using achrynanthes aspera Leaf Extract for Supercapacitor Application	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh 27 – 29 March 2023	KMC
65	P.R. Shukala, V.B. uryavanshi, R. G. Bobade, R. C. Ambare , B. J. Lokhande.	Supercapacitive Characterizations of Cerium Doped Barium Oxide via SILAR	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh 27 – 29 March 2023	KMC
66	J. D. Sindkar, R. G. Bobade, R. C. Ambare , B. J. Lokhande	Synthesis of Cadmium Doped Strontium Oxide via SILAR for Supercapacitive Characterizations	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh 27 – 29 March 2023	KMC
67	R. M. Kokane, R. G. Bobade, R. C. Ambare , B. J. Lokhande	Synthesis of Magnesium Doped Barium Oxide via SILAR for Supercapacitive Characterizations	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh 27 – 29 March 2023	KMC
68	R. M. Kokane, R. G. Bobade, R. C. Ambare , B. J. Lokhande	Synthesis of Magnesium Doped Barium Oxide via SILAR for Supercapacitive Characterizations	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh 27 – 29 March 2023	KMC
69	S.A. Shivade, R.G. Bobade, M.R. Kadam, B. J. Lokhande, R. C. Ambare	Synthesis and Characterization of ZnO Nanomaterials for Supercapacitive Studies via Polyol Method	7th International Conference on Nanoscience and Nanotechnology, SRM University	SRM University, Andhra Pradesh 27 – 29 March 2023	KMC
70	R.G. Bobade, S.G. Randive, R.C. Ambare* , B. J. Lokhande*, C.D. Lokhande	SILAR Synthesized Cerium oxide Nano-material Electrode for High-performance Supercapacitor	Int. Conf. on Nanotech. Nanotech. Addressing the Convergence of Mater. Sci., Biotech and Medical Sci	(IC Sci (IC-NACMBM - NACMBM-2024) - 2024	D.Y. Patil, Kholapur.

71	Shankar G. Randive, R.C. Ambare , Habib M. Pathan, Balkrishna J. Lokhande*	Sprayed Temperature Dependent Aqueous Synthesis of Nickel Oxide for NiO@Graphite Asymmetric Supercapacitor Device	Int. Conf. on Nanotech. Nanotech. Addressing the Convergence of Mater. Sci., Biotech and Medical Sci	(IC Sci (IC-NACMBM - NACMBM-2024) - 2024	D.Y. Patil, Kholapur.
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Details of papers published in NATIONAL conference-proceedings.

S.N		Electrodeposited Thin Films of Cobalt Oxide.	Name of the National conference	Year of Publication	Affiliating Institute
1.	S. V. Khavale, R. C. Ambare , B. J. Lokhande,		New Trends in Materials Science, NTMS	Feb.11-12, 2011.	SUS
2.	S. I. Munnoli, S. B. Patil, S.V. Khawale, R. C. Ambare , B. J. Lokhande	Structural and Optical study of B doped CdO thin film prepared by SILAR	Physics of materials and materials Based Device, Fabrication, (NSPM-MDF- Shivaji university Kolhapur	Feb., 17 and 18, 2011.	SUS
3.	V.V. Aamale, R.V. Jadhav, R. C. Ambare , S. V. Khavale. B. J. Lokhande	Electrodeposited Cobalt Doped cadmium oxide thin films and their Characterization	Physics of materials and materials Based Device, Fabrication, (NSPM-MDF-2011) Shivaji university Kolhapur	on February, 17 and 18, 2011.	SUS
4.	R.C. Ambare , S.I. Munnoli, S.V. Khavale, B. J. Lokhande,	Effect of Annealing Temperature on Electrodeposited Cobalt doped Cadmium Oxide Thin films. (Paper for <i>Poster Presentation</i>).	<i>UGC-SAP sponsored National Conference on Materials and Devices for Future Technology held at North Maharashtra University (NMU, Jalgon</i>	07 March 2011.	SUS
5.	B.J. Lokhande, R.C. Ambare , M.D. Uplane,	Structural, optical and electrical characterization of the spray deposited Zn _(1-x) Cd _(x) O thin films prepared through aqueous route. (Paper for <i>Poster Presentation</i>).	<i>UGC-SAP sponsored National Conference on Materials and Devices for Future Technology held at North Maharashtra University (NMU, Jalgaon</i>	07 March 2011.	SUS
6.	R.D. Nawale, K.S. Racharla, V.V. Dikasangi, R.C. Ambare , B.J. Lokhande	Supercapacitive study of nickel oxide prepared by Electrodeposition (Paper for <i>Poster Presentation</i>).	Nanostructured Materials Advanced technology held at KBP College Pandharpur .	03-04 Dec. 2011	SUS
7.	R.C. Ambare , S.V. Khavale, S.R. Bharadwaj, B.J. Lokhande	Supercapacitive Study of Spray Pyrolysed Cobalt-Polyaniline (Paper for <i>Poster Presentation</i>).	Nanotechnology (NCN-2012) held at Maharashtra Mahavidhyalaya, Nilanga	07, 08 September 2012.	SUS
8.	S.V. Khavale, R.C. Ambare , S.R. Bharadwaj, B.J. Lokhande,	Effect of Electrolytes on capacitive behaviour of Electrodeposited Cobalt oxide (Paper for <i>Poster Presentation</i>).	Nanotechnology (NCN-2012) held at Maharashtra Mahavidhyalaya, Nilanga	07, 08 September 2012.	SUS
9.	B.J. Lokhande,	Spray Pyrolysed	Advanced synthesis of nano-materials	17, 18 September	SUS

	R.C.Ambare , S.V. Khavale S.R.Bharadwaj,	Polyaniline electrode for supercapacitor application (Paper for Oral Presentation).	and their Applications (NS-ASNA-2012) held at KBP	2012	
10.	R.C. Ambare , S.V. Khavale, S.R. Bharadwaj, B. J. Lokhande,	Electrochemical characterization of Spray deposited Ni _x Co _{1-x} O Thin films Best poster presentation 2nd Prize Poster Presentation).	Advanced synthesis of nano-materials and their Applications (NS-ASNA-2012)	17, 18 September 2012.	SUS
11.	R.C.Ambare , S.R.Bharadwaj, B.J. Lokhande.	Effect of H ₂ O ₂ on Capacitive Behaviour of Spray Deposited Co ₃ O ₄ Thin Electrode (Paper for Oral presentation).	Recent Trends and Technology of Nanomaterials and Smart Devices (RTT-NSD-2013)	April 18-20, 2013.	SUS
12.	S.V. Khavale, R.C. Ambare , B.J. Lokhande	Effect of Solution Concentration on Supercapacitive Properties of Electrodeposited Thin Cobalt oxide Electrodes. Paper for Oral presentation).	Recent Trends and Technology of Nanomaterials and Smart Devices (RTT-NSD-2013) held at School of Physical Sciences, Solapur University, Solapur,	April 18-20, 2013.	SUS
13	R.C. Ambare , T. S. Ghadge, S.R. Bharadwaj, B.J. Lokhande	Solution Concentration Dependent Capacitive Behaviour of Spray Pyrolysed Co ₃ O ₄ Prepared via Non aqueous Route. (Paper for Poster presentation).	Recent Trends and Technology of Nanomaterials and Smart Devices (RTT-NSD-2013) held at School of Physical Sciences, Solapur University, Solapur	April 18-20, 2013.	SUS
14.	R.C. Ambare , S.V. Khavale S.R. Bharadwaj B. J. Lokhande	Temperature Dependent Capacitive Behaviour of Co ₃ O ₄ Prepared by Spray Pyrolysis Through (Paper for Poster presentation).	Recent Trends and Technology of Nanomaterials and Smart Devices (RTT-NSD-2013) held at School of Physical Sciences, Solapur University, Solapur,	April 18-20, 2013	SUS
15	S. S. Pujari, R. S. Ingole, R. C. Ambare B. J. Lokhande.	Spray Pyrolysed CdO Prepared Via Non-Aqueous Route for Supercapacitive Application (Paper for Poster presentation).	Recent Trends and Technology of Nanomaterials and Smart Devices (RTT-NSD-2013) held at School of Physical Sciences, Solapur University, Solapur,	April 18-20, 2013.	SUS
16	R.C. Ambare , K.B.Deshmukh, S.R. Bharadwaj, B.J. Lokhande	Electrolytic Effect on Capacitive Behaviour of Spray Pyrolysed Co: Ni oxide Thin Film Electrode (Paper for Poster presentation).	Recent Trends and Technology of Nanomaterials and Smart Devices (RTT-NSD-2013) held at School of Physical Sciences, Solapur University, Solapur	April 18-20, 2013	SUS
17.	R.C.Ambare ,	Capacitive behaviour	Frontiers in Chemical Sciences (FCS-	June,	SUS

	S.R. Bharadwaj, B. J. Lokhande	of Mn incorporated Co ₃ O ₄ electrodes in different Electrolytes (Paper for Poster presentation).	2014) held at School of Chemical Sciences, Solapur University, Solapur	30 th 2014	
18	R.C. Ambare, R.S. Ingole, T.S. Ghadge, S.R. Bharadwaj, B. J. Lokhande	Optical and Impedance Characterizations of Spray deposited Mn: Co ₃ O ₄ electrodes. (Paper for Poster presentation).	Frontiers in Chemical Sciences (FCS- 2014) held at School of Chemical Sciences, Solapur University, Solapur,	June, 30 th 2014.	SUS
19	R.C. Ambare, R.M. Kore, B.Y. Fugare, S.R. Bharadwaj, B. J. Lokhande	Electrochemical study of Sprayed Co ₃ O ₄ electrodes prepared via non- aqueous route on different substrates. (Paper for Poster presentation).	Frontiers in Chemical Sciences (FCS- 2014) held at School of Chemical Sciences, Solapur University, Solapur.	June, 30 th 2014.	SUS
20	R. S. Ingole, R. M. Kore, R. C. Ambare, B. J. Lokhande	Synthesis and Capacitive Study of V ₂ O ₅ (Paper for Poster presentation).	Frontiers in Chemical Sciences (FCS- 2014) held at School of Chemical Sciences, Solapur University, Solapur,	June, 30 th 2014.	SUS
21	R.S. Ingole, R.C. Ambare, T.S Ghadge, B. J. Lokhande	Electrolyte Concentration Dependent Capacitive Behaviors of Vanadium Oxide Thin Film National conference September (Paper for <i>Poster Presentation</i>).	Renewable Energy and Environment (NCREE) organized by Department of Chemistry and Physics at Devrukh Shikshan Prasharak Mandal's, Ratnagiri,	25-27, 2014.	SUS
22.	R.M. Kore, R.C. Ambare, T.S Ghadge, B. J. Lokhande	Synthesis and Electrochemical Characterization of Electrodeposited Nickel Hydroxide Thin Films prepared using Different Precursors <i>Poster Presentation</i>).	Renewable Energy and Environment (NCREE) organized by Department of Chemistry and Physics at Devrukh Shikshan Prasharak Mandal's, Ratnagiri,	September 25-27, 2014.	SUS
23	Pooja Bhagirathi, Pragati Singh, Sandeep Dhami, S.V. Khavale, R.C. Ambare	Structural and Supercapacitive Studies of Electrodeposited Cobalt Oxide Thin Films	KLE, College, Kalamboli, Panvel National Conference on "Recent Trends in Science and Technology "BEST Poster Presentation"	7th February 2020	KMC
24	Pooja Bhagirathi, Manjiri Kanade, S.V. Khavale, R.C. Ambare	Electrodeposited Bismuth Oxide Thin Film Electrode: XRD and Cyclic Voltammetry Studies	"Multi-Disciplinary Research and Practices-2020" Organizing by G. M. Vedak College of Science, Tala- Raigad	15th February 2020	KMC
25	R.G. Bobade R.C. Ambare	Synthesis and Characterization of Cobalt Doped Bismuth Oxide Nanomaterials for Supercapacitor Application via	Shankarrao Mohite Mahavidyalaya Akluj, Affiliated to Solapur university	10/02/2022	KMC

MU Avishkar Research:

Sr. No.	Title	Author Guide	Conference name	College or Institute name	Date
1	Green Synthesis and FTIR Study of Copper Oxide Nanoparticles using Moringa oleifera Leaf Extract	Group: 01 R.C. Ambare	Aavishkar, Inter-Collegiate/ Institute/ Department Research Convention	Dr. Shree Nanasahab Dharmadhikari Arts Commerce and Science College, Maharashtra.	12 December 2022
2	Synthesis and Cyclic Voltammetry Study of Strontium Oxide Nanomaterials Via Green Techniques	Group: 02 R.C. Ambare	Aavishkar, Inter-Collegiate/ Institute/ Department Research Convention	Dr. Shree Nanasahab Dharmadhikari Arts Commerce and Science College, Maharashtra.	12 December 2022
3	Green Synthesis of ZnO Nanomaterials for Cyclic Voltammetry Capacitive Study	Group: 03 R.C. Ambare	Aavishkar, Inter-Collegiate/ Institute/ Department Research Convention	Dr. Shree Nanasahab Dharmadhikari Arts Commerce and Science College, Maharashtra.	12 December 2022
4	Eco-friendly technique for Synthesis of Barium Nanomaterials from Naturally Derived Component	Group: 04 R.C. Ambare	Aavishkar, Inter-Collegiate/ Institute/ Department Research Convention	Dr. Shree Nanasahab Dharmadhikari Arts Commerce and Science College, Maharashtra.	12 December 2022
5	Synthesis of Bismuth Oxide Nanomaterials using Urena sinuata Leaf Extract via Green Chemical Technique	Group: 05 R.C. Ambare	Aavishkar, Inter-Collegiate/ Institute/ Department Research Convention	Dr. Shree Nanasahab Dharmadhikari Arts Commerce and Science College, Maharashtra.	12 December 2022
6	Synthesis of Magnesium Oxide Nanoparticles by Green Synthesis Method to Study Band Gap Using UV Spectroscopy	Group: 06 R.C. Ambare	Aavishkar, Inter-Collegiate/ Institute/ Department Research Convention	Dr. Shree Nanasahab Dharmadhikari Arts Commerce and Science College, Maharashtra.	12 December 2022
7	Manganese Oxide Electrodes Synthesized using Green Chemical Technique for Capacitive Charge Discharge Study	Group: 07 R.C. Ambare	Aavishkar, Inter-Collegiate/ Institute/ Department Research Convention	Dr. Shree Nanasahab Dharmadhikari Arts Commerce and Science College, Maharashtra.	12 December 2022
8	Cerium Oxide Nanoparticles Synthesis, Characterizations and Electrochemical Capacitive Study	Group: 08 R.C. Ambare	Aavishkar, Inter-Collegiate/ Institute/ Department Research Convention	Dr. Shree Nanasahab Dharmadhikari Arts Commerce and Science College, Maharashtra.	12 December 2022
9	Synthesis and UV Studies of Copper Oxide Nanoparticles using <i>Mikania Macrantha</i> Plant as a Capping Agent	Group: 09 R.C. Ambare	Aavishkar, Inter-Collegiate/ Institute/ Department Research Convention	Dr. Shree Nanasahab Dharmadhikari Arts Commerce and Science College, Maharashtra.	12 December 2022

10	Synthesis of Nickel oxide Nanomaterials using Archyranthes aspera leaf extract	Group: 10 R.C. Ambare	Aavishkar, Inter-Collegiate/ Institute/ Department Research Convention	Dr. Shree Nanasahab Dharmadhikari Arts Commerce and Science College, Maharashtra.	12 December 2022
11	SILAR Synthesis and Characterization of Barium Oxide Flexible Electrode for Charge Discharge Study	Group: 11 R.C. Ambare	Aavishkar, Inter-Collegiate/ Institute/ Department Research Convention	Dr. Shree Nanasahab Dharmadhikari Arts Commerce and Science College, Maharashtra.	12 December 2022
12	Capacitive Studies of Magnesium Oxide Synthesized via SILAR Chemical Technique	Group: 12 R.C. Ambare	Aavishkar, Inter-Collegiate/ Institute/ Department Research Convention	Dr. Shree Nanasahab Dharmadhikari Arts Commerce and Science College, Maharashtra.	12 December 2022
13	Galvanostatic Charge Discharge Study of SILAR Synthesized Strontium Oxide Flexible Electrode	Group: 13 R.C. Ambare	Aavishkar, Inter-Collegiate/ Institute/ Department Research Convention	Dr. Shree Nanasahab Dharmadhikari Arts Commerce and Science College, Maharashtra.	12 December 2022
14	Preparation and Characterization of Cerium Oxide Thin Films by SILAR Chemical Technique	Group: 14 R.C. Ambare	Aavishkar, Inter-Collegiate/ Institute/ Department Research Convention	Dr. Shree Nanasahab Dharmadhikari Arts Commerce and Science College, Maharashtra.	12 December 2022

Details of in NATIONAL conference/workshop attended

S. N.	Title/Authors/conference details
01	Short Term Training program on Materials: Synthesis to Diverse Applications (MSDA-2013) Organized by Visvesvaraya National Institute of Technology, Nagpur on 9-13, December 2013.
02	National Seminar on "Latest Development in Material characterization Techniques" organized by School of physical Science, Solapur University, Solapur on 5-6 February, 2015.
03	Seminar on Bio-Physics by Indian Association of Physics Teachers and D.G. Ruparel College, Mumbai on 22.09.2017.
04	Attended workshop on Non-linear dynamics-Chaos held at Ramniranjan Hhunjunwala, College, Ghatkopar (W), Mumbai on 09.02.2018.
05	Workshop on Revised Syllabus of T. Y. B.Sc. Physics, at Department of Physics, University of Mumbai, on 08.08.2018
06	Attended one day Workshop on "Power of Togetherness" at KMC College, Khopoli, on 06.10.2018
07	Participation in Avishkar Research Convention 2018-19 held at MPASC College, Panvel, Dist- Raigad on 20.12.2018 for Raigad Zone.
08	Participated in NSS planning session held at KLE, Society's Science and Commerce college, Kalamboli on 23 rd July, 2018.
09	Participated in YCMOU Admission Meeting held at Dyansadhana Mahavidyalaya, Thane on 19.7.2019

Details of ONLINE INTERNATIONAL/NATIONAL conference/workshop Attended

Sr. No.	Title/Authors/conference details
01	International Conference on "Clean Energy Conversion and Storage Technologies" organized by University of Mumbai and Shri PKM, Sawantwadi, Dist: Sindhudurg on 30 th April, 2020.
02	National Webinar on "E-Content Creation and E-Learning Through MOOCs" organized by Shivaji University, Kolhapur on 29 th - 30 th May, 2020.
03	International Clean Energy Awareness Mission Quiz organized by Gokhale education Society's, Jawhar, dist: Palgar, India.
04	National Webinar on Research and Plagiarism organized by Mahatma Phule Mahavidyalaya, Pimpri Pune on 20 th May 2020.
05	International e-conference on "Strategies & Challenges in Higher education during COVID-19 Lockdown Period in India with Reference to the World" Organized by Government of Maharashtra, vidharbha institute of science and

	humanities, Amravati, Maharashtra, India on 15 th -17 th May 2020.
06	National Webinar on “CAS Rules and Process as per 7 th Pay Recommendations” organized by Anandibai raorane Arts, Commerece and Science College, Vaibhavwadi, Dist. Sindhudugr on 28 th May 2020.
07	National Level Webinar on “Trading v/s Investing” organized by St. Andrw’s College of Arts. Science and Commerce and Leap Up Edutech pvt Ltd. On 16 th May 2020.
08	International Virtual FDP on Innovation Techniques for effective Teaching Online and Offline organized by Mahatma Gandhi Institute of Technology, Hyderabad on 12 th – 13 th June 2020.
09	Successfully completed the training of Basic of COVID-19 Organized by iGOT on 26 th April 2020.
10	Webinar on Basic fundamentals of Spectroscopy, application of UV and FTIR Spectroscopy and Accessories” by KMC College, Khopoli on 28 th May 2020.

T.Y. B.Sc. Physics Students Guidance:

1. T.Y B.Sc. Physics, students of KMC College, get participated in Inter University Avishkar - 2018, held at Poladpur, Raigad, under Mumbai University for poster presentation.
2. T.Y. B.Sc. Students get presented research paper in International Conference, held at KTHM College, Nashik, during 2019.
3. S.Y B.Sc. Physics, students of KMC College, get participated in Inter University Avishkar - 2019, held at Poladpur, Raigad, under Mumbai University for poster presentation.
4. T.Y. B.Sc. Students get presented research paper in National Conference, held at KLE College, Kalambl, on 07 Feb. 2020.
5. T.Y. B.Sc. Students get presented research paper in National Conference, held at G.M. Vedhak, College, Tala, on 15 Feb. 2020.
- 6.

M.Sc. Chemistry Students Guidance:

S.N.	Title	Author
01	Green Synthesis of BaO Nanoparticles using the Plant Extract of Latana Camara and Study of its Characterization and Application	M. S. Mundhe, S. H. Shivade, R. C. Ambare.
02	Leaf Extract Mediated From Celosia Argentea For Cu: Sr Nanoparticles Synthesis	P. K. Godse, P. M. Sharma, R. C. Ambare.
03	Green Synthesis of Mn-MgO Electrode Using Cassia Tora Leaf Extract for Supercapacitor Application	P. U. Shirke, N. M. Kharkar, R. C. Ambare.
04	Synthesis of Strontium Oxide Nanoparticles and Its Applications	A. A. Raiban, Sharmila Patil, R. C. Ambare.
05	Preparation of Nickel Oxide nanomaterial Using Achyranthes Aspera Leaf Extract	V. P. Shirsath, Sharmila Patil, R. C. Ambare.
06	Supercapacitive Studies of Manganese Oxide Via Green Synthesis Using Cassia Tora as a Leaf Extract	V. S. Utekar, N. M. Kharkar, Meghana Thakare, R. C. Ambare.
07	Cerium Oxide Nanoparticle Synthesis by Using Seed of Finger Millet by Co-precipitation Method	V. G. Pendhaje, N. M. Kharkar, S. M. Thakare, R. C. Ambare.
08	Synthesis of Strontium and Cadmium Oxide via Green Technique For Supercapacitive Studies.	S. M. Shelke, N. M. Kharkar, M. S. Thakare, R. C. Ambare.
09	Green Synthesis of Copper Oxide Nanoparticle Using Moringa Oleifera Leaf Extract for Supercapacitor Application	S. A. Bombe, S. Patil, Amol Nagargoje, R. C. Ambare.
10	Zinc-Copper Oxide Nanomaterial Electrode for Supercapacitor Application Synthesis using Thevetia Peruviana as a Leaf Extract	R. R. Shende Sharmila Patil,

		A. Nagargoge, R. C. Ambare
11	Moringa Oleifera Leaf Extract for Synthesis of ZnO Nanoparticles via Green Method for Supercapacitor Applications	S. A. Mundhe, S. Patil, A. A. Nagargoje, R. C. Ambare.
12	Synthesis of Nickel-Cadmium Oxide and Its Applications	V. S. Chorge, N. M. Kharkar, R. C. Ambare.
13	Cerium Oxide Nanoparticle Synthesis by Using Seed of Finger Millet by Co-precipitation Method	S. S. Deshmukh, Pinki Sharma, Amol Nagargoje, R. C. Ambare.
14	Copper Oxide Nanoparticles Synthesis by Mikania Macrantha Plant	D. B. Bhoir, Pinki Sharma, R. C. Ambare.
15	Bismuth Oxide Nanoparticles Synthesis using Colocasia esculenta Leaf	M. A. Sayyed, S. Shivade, R. C. Ambare
16	Zinc-Cobalt Oxide Nanomaterial Electrode For Supercapacitor Application Synthesized using Bauhinia Racemosa as a Leaf Extract.	P. S. Madival, S. Shivade, Amol Nagargoje, R. C. Ambare.
17	Synthesis of Zinc Nanoparticles From Leaf Extract of Nyctanthes Arbor Tristis That Can be Used For Various Application	R. U. Shingh, S. A. Shivade, A. A. Nagargoje, R. C. Ambare.
18	Eco-friendly Technique for Synthesis of ZnMgO Nanoparticles for Naturally Derived Component for Supercapacitor Application.	M. P. Hiranman, S. A. Shivade, A. A. Nagargoje, R. C. Ambare.
19	Urena Sinuta Leaf Extract for Synthesis of Bio Nanoparticles via Green Method for Supercapacitor Application	M. C. Bhave, P. M. Sharma, A. A. Nagargoje, R. C. Ambare.
20	Synthesis of Strontium Oxide Nanoparticles and Its Applications	P. R. Bhagat, P. M. Sharma, A. A. Nagargoje, R. C. Ambare.
21	Bio-Synthesis of MgO Nanoparticles from Plant Leaf of Bauhinia Racemosa	A. R. Dhakval, Pinki Sharma, A. A. Nagargoje, R. C. Ambare.
22	Cd, Mg Nanoparticles Synthesis Using Alstonia Leaf Extract as Supercapacitor	S. K. Jangam, Shailesh Shivade, A. A. Nagargoje, R. C. Ambare.

Referee of the International Journals

1. J of material science materials in electronics. (Springer)
2. J. of Solid-State Physics. (Springer)
3. J. of Alloys and compound (Elsevier)
4. J. of Applied Surface Science (Elsevier)
5. J. of Macromolecules Symposia (MDPI)
6. Emergent Materials (Springer)
7. Scientific Reports (Nature)
8. Bulletin of Materials Science (Springer)
9. Materials Today: Proceeding (Elsevier)
10. ES Energy & Environment Managing (ES)
11. Journal of Energy Storage (Elsevier)

12. Journal of Power Source (Elsevier)
13. Thermal Science and Engineering Progress
14. Optical and Quantum Electronics
15. ACS Omega (ACS)
16. Ionics
17. J of Solid State
18. RSC Advances

Date: 11th MAY 2026.
Place: Khopoli

Dr. Revanappa C. Ambare