

## FACULTY PROFILE:



Name: Dr. M. Keerthi  
Qualification: M.Sc., M.Phil., Ph.D.  
Designation: Assistant Professor  
Years of Experience: UG: 1 PG:0  
Previous Experience: UG: 0 PG:0  
Area of Specialization: (Organic Chemistry, Inorganic chemistry, Electrochemistry)  
Email-ID: [keerthi\\_m@ethirajcollege.edu.in](mailto:keerthi_m@ethirajcollege.edu.in)

## WORKSHOPS

S.no.	Organized by	State/National/International	Topic	Date(s)
1	University Madras, Chennai	State	Ion chromatography and its applications	13/08/2015
2	St. Joseph's College, Tiruchirappalli,	State	Modern methods of analytical techniques in chemistry research	31/01/2014

## CONFERENCES ATTENDED / PRESENTED PAPER

S.no.	Organized by	State/National/International	Participated/Presented	Title	Date(s)
1	National Taipei University of Technology, Taipei, Taiwan	International	Presented oral	* “Facile Hydrothermal Synthesis and Electrochemical Properties of Manganese dioxide@ graphitic Carbon Nitride Nanocomposite toward Highly Sensitive Detection of Nitrite” <i>International conference on sensors, materials, and manufacturing (ICSMM 2019)</i>	18/11/2019 - 20/11/2019
2	National Taipei University of Technology, Taipei, Taiwan	International	Presented oral	*“Graphene Oxide/α-MnO <sub>2</sub> Binary Nanosheets Based Non-Enzymatic Biosensor for Pico-Molar Level Electrochemical Detection of Biomarker	19/11/2018 - 22/11/2018

				(Guanine) in DNA Sample” <i>International conference on sensors, materials, and manufacturing (ICSMM 2018)</i>	
3	National Taipei University of Technology, Taipei, Taiwan	International	Presented oral	“One-pot biosynthesis of reduced graphene oxide/Prussian blue microcubes composite and its sensitive detection of prophylactic drug dimetridazole”, <i>International conference on advances in biology and chemistry (ICABC 2018)</i>	06/08/2018 - 08/8/2018
4	Department of Analytical Chemistry, University of Madras, Chennai.	International	Participated	International conference on recent trends in analytical chemistry	28/12/2015 - 30/12/2015

### CERTIFICATE COURSES /VALUE ADDED COURSES

S.no.	Offered by	Topic	Duration
1	Anna University, Chennai.	The State of Art-Analytical Instruments	26/10/2015 - 30/10/2015

### JOURNAL PUBLICATIONS

S.NO.	JOURNAL NAME	UGC /SCI/SCIE/ WOS	ISBN / ISSN NUMBER	REFERENCE	DATE OF PUBLICATION/D OI
1	Progress Materials Science in	UGC /SCI/SCIE/ WOS	0079-6425	Heterostructures of 2D materials and their applications in biosensing, Progress in Materials Science, Rajalakshmi Sakthivel, Murugan Keerthi, Ren-Jei Chung, Jr-Hau He, Volume 132,2023,101024	16 September 2022 <a href="https://doi.org/10.1016/j.jpmatsci.2022.101024">https://doi.org/10.1016/j.jpmatsci.2022.101024</a>
2	Nanoscale	UGC /SCI/SCIE/ WOS	2040-3372	Angiopep-2-decorated titanium-alloy core-shell magnetic nanoparticles for nanotheranostics and medical imaging, SenthilkumarThirumuruga	12 Sep 2022 <a href="https://doi.org/10.1016/j.colsurfb.2022.113033">https://doi.org/10.1016/j.colsurfb.2022.113033</a>

				n, Pranjyan Dash, Xinrui Liu, Yuan-Yun Tseng, Wei-Jih Huang, Yunqian Li, Gang Zhao, Chingpo Lin, <b>Keerthi Murugan</b> , Udes Dhawan, Ren-Jei Chung, 2022, <i>Nanoscale</i> Vol. 14, Issue 39, Pg 14789-14800. Royal Society of Chemistry.	
3	Colloids and Surfaces B: Biointerfaces	UGC /SCI/SCIE/ WOS	09277765	A non-enzymatic, biocompatible electrochemical sensor based on N-doped graphene quantum dot-incorporated SnS <sub>2</sub> nanosheets for <i>in situ</i> monitoring of hydrogen peroxide in breast cancer cells, <b>Colloids and Surfaces B: Biointerfaces</b> , Asit Kumar Panda, <b>Keerthi Murugan</b> , Rajalakshmi Sakthivel, Lu-Yin Lin, Yeh-Fang Duann, Udes Dhawan, Xinke Liu, Jr-Hau He, Ren-Jei Chung, Volume 222, 2023, 113033	16 November 2022 <a href="https://doi.org/10.1016/j.colsurfb.2022.113033">https://doi.org/10.1016/j.colsurfb.2022.113033</a>
4	Materials Today Chemistry	UGC /SCI/SCIE/ WOS	2468-5194	A biocompatible electrochemical sensor based on PtNi alloy nanoparticles-coupled N-GQDs for <i>in situ</i> monitoring of dopamine in glioma cells. A.K. Panda, <b>Keerthi Murugan</b> , R.Sakthivel, U.Dhawan, L.-Y.Lin, Y.-F.Duann, J.-H.He, R.-J.Chung, <b>Materials Today Chemistry</b> , 27, 2023, 101283	7 October 2022 <a href="https://doi.org/10.1016/j.mtchem.2022.101283">https://doi.org/10.1016/j.mtchem.2022.101283</a>
5	Food Chemistry	UGC /SCI/SCIE/ WOS	0308-8146	<b>M. Keerthi</b> , A.K. Panda, Y.-H. Wang, X. Liu, J.-H. He, R.-J. Chung, Titanium Nanoparticle Anchored Functionalized MWCNTs for Electrochemical Detection of Ractopamine in Porcine Samples with Ultrahigh Sensitivity, <i>Food Chemistry</i> , (2022) 132083.	8/1/2022 <a href="https://doi.org/10.1016/j.foodchem.2022.132083">https://doi.org/10.1016/j.foodchem.2022.132083</a>

6	Colloids and Surfaces A: Physicochemical and Engineering Aspects	UGC /SCI/SCIE/WOS	0927-7757	V. Mariyappan, S.-M. Chen, <b>M. Keerthi</b> , A. Jeevika, T. Jeyapragasam, R. Ramachandran, Electrochemical sensor based on cobalt ruthenium sulfide nanoparticles embedded on boron nitrogen co-doped reduced graphene oxide for the determination of nitrite, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , (2022) 128271.	1/6/2022 <a href="https://doi.org/10.1016/j.colsurfa.2022.128271">https://doi.org/10.1016/j.colsurfa.2022.128271</a>
7	Nanomaterials	UGC /SCI/SCIE/WOS	2079-4991	A.K. Panda, <b>M. Keerthi</b> , R. Sakthivel, U. Dhawan, X. Liu, R.-J. Chung, Biocompatible Electrochemical Sensor Based on Platinum-Nickel Alloy Nanoparticles for In Situ Monitoring of Hydrogen Sulfide in Breast Cancer Cells, <i>Nanomaterials</i> , 12(2022) 258.	14/1/2022 <a href="https://doi.org/10.3390/nano12020258">https://doi.org/10.3390/nano12020258</a>
8	Nanomaterials	UGC /SCI/SCIE/WOS	2079-4991	M.-T. Tsai, Y.-S. Sun, <b>M. Keerthi</b> , A.K. Panda, U. Dhawan, Y.-H. Chang, et al., Oral Cancer Theranostic Application of FeAu Bimetallic Nanoparticles Conjugated with MMP-1 Antibody, <i>Nanomaterials</i> , 12(2022) 61.	27/1/2022 <a href="https://doi.org/10.3390/nano12010061">https://doi.org/10.3390/nano12010061</a>
9	Indian Journal of Chemical Technology	UGC /SCI/SCIE/WOS	0975-0991	B. Gopal, <b>M. Keerthi</b> , S.-M. Chen, Electrocatalytic performance of the cobalt oxide nanoparticles decorated graphene oxide over the detection of folic acid, <i>Indian Journal of Chemical Technology</i> (2021)	1/9/2021 <a href="http://nopr.niscair.res.in/handle/123456789/58692">http://nopr.niscair.res.in/handle/123456789/58692</a>
10	Journal of colloid and interface science	UGC /SCI/SCIE/WOS	0021-9797	V. Mariyappan, <b>M. Keerthi</b> , S. M. Chen, T. Jeyapragasam, Nanostructured perovskite-type gadolinium orthoferrite decorated RGO nanocomposite for	15/10/2021 <a href="https://doi.org/10.1016/j.jcis.2021.05.035">https://doi.org/10.1016/j.jcis.2021.05.035</a>

				the detection of nitrofuranoin in human urine and river water samples, <i>Journal of colloid and interface science</i> , 600 (2021) 537-49	
11	Colloids and Surfaces A: Physicochemical and Engineering Aspects	UGC /SCI/SCIE/WOS	0927-7757	N. Karuppusamy, V. Mariyappan, S. M. Chen, <b>M. Keerthi</b> , R. Ramachandran, A simple electrochemical sensor for quercetin detection based on cadmium telluride nanoparticle incorporated on boron, sulfur co-doped reduced graphene oxide composite, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 626 (2021) 127094.	5/10/2021 <a href="https://doi.org/10.1016/j.colsurfa.2021.127094">https://doi.org/10.1016/j.colsurfa.2021.127094</a>
12	Colloids and Surfaces A: Physicochemical and Engineering Aspects	UGC /SCI/SCIE/WOS	0927-7757	R. Sundaresan, V. Mariyappan, S.M. Chen, <b>M. Keerthi</b> , R. Ramachandran, Electrochemical sensor for detection of tryptophan in the milk sample based on MnWO <sub>4</sub> nanoplates encapsulated RGO nanocomposite, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> . (2021) 625:126889.	20/9/2021 <a href="https://doi.org/10.1016/j.colsurfa.2021.126889">https://doi.org/10.1016/j.colsurfa.2021.126889</a>
13	Journal of Electroanalytical Chemistry	UGC /SCI/SCIE/WOS	1572-6657	V. Mariyappan, T. Jeyapragasam, S.M. Chen, <b>M. Keerthi</b> , Mo-WO nanowire intercalated graphene aerogel nanocomposite for the simultaneous determination of dopamine and tyrosine in human urine and blood serum sample, <i>Journal of Electroanalytical Chemistry</i> , 895(2021) 115391	8/15/2021 <a href="https://doi.org/10.1016/j.jelechem.2021.115391">https://doi.org/10.1016/j.jelechem.2021.115391</a>
14	Materials Chemistry and Physics	UGC /SCI/SCIE/WOS	0254-0584	G. Boopathy, <b>M. Keerthi</b> , S.-M. Chen, S. Meenakshi, M. Umapathy, Molybdenum trioxide 27/1 embedded graphitic	1/9/2021 <a href="https://doi.org/10.1016/j.matchemphys.2021.124735">https://doi.org/10.1016/j.matchemphys.2021.124735</a>

				carbon nitride sheets modified electrode for caffeine sensing in green tea and coffee powder, <i>Materials Chemistry and Physics</i> , 269 (2021) 124735.	
15	Materials Science and Engineering: C	UGC /SCI/SCIE/WOS	0928-4931	X. Liu, W.-C. Liu, H.-Y. Wang, V.L. Li, Y.C. Chen, A.-N. Wang, <b>M. Keerthi</b> et al., Polyelectrolyte multilayer composite coating on 316 L stainless steel for controlled release of dual growth factors accelerating restoration of bone defects, <i>Materials Science and Engineering: C</i> , 126 (2021) 112187.	1/7/2021 <a href="https://doi.org/10.1016/j.msec.2021.112187">https://doi.org/10.1016/j.msec.2021.112187</a>
16	Journal of Agricultural and Food Chemistry	UGC /SCI/SCIE/WOS	0021-8561	V. Mariyappan, <b>M. Keerthi</b> , S.-M. Chen, Highly selective electrochemical sensor based on gadolinium sulfide rod-embedded RGO for the sensing of carbofuran, <i>Journal of Agricultural and Food Chemistry</i> , 69 (2021) 2679-88.	1/3/2021 <a href="https://dx.doi.org/10.1021/acs.jafc.0c07522">https://dx.doi.org/10.1021/acs.jafc.0c07522</a>
17	Materials Chemistry and Physics	UGC /SCI/SCIE/WOS	0254-0584	D.S.A. Selvan, <b>M. Keerthi</b> , S. Murugesan, S. Shobana, B. Lakshmi, V. Veena, A.K. Rahiman, In vitro cytotoxicity efficacy of phytosynthesized Ag/ZnO nanocomposites using Murraya koenigii and Zingiber officinale extracts, <i>Materials Chemistry and Physics</i> , 272 (2021) 124903.	1/11/2021 <a href="https://doi.org/10.1016/j.matchemphys.2021.124903">https://doi.org/10.1016/j.matchemphys.2021.124903</a>
18	Journal of Alloys and Compounds	UGC /SCI/SCIE/WOS	0925-8388	V. Mariyappan, <b>M. Keerthi</b> , S.-M. Chen, Solvothermal synthesis of carbon incorporated MnS <sub>2</sub> Spheres; high sensing performance towards the detection of furazolidone in bio-fluids, <i>Journal of Alloys and Compounds</i> , 882 (2021) 160744.	8/6/2021 <a href="https://doi.org/10.1016/j.jallcom.2021.160744">https://doi.org/10.1016/j.jallcom.2021.160744</a>

19	Surface and Coatings Technology	UGC /SCI/SCIE/WOS	0257-8972	X. Liu, Y. Li, S. Li, Y.-C. Lin, V.L. Li, Y.-H. Chen, <b>M. Keerthi</b> et al., Polyelectrolyte multilayer coatings for short/long-term release of antibacterial agents, <i>Surface and Coatings Technology</i> , 393(2020) 125696.	15/7/2020 <a href="https://doi.org/10.1016/j.surfcoat.2020.125696">https://doi.org/10.1016/j.surfcoat.2020.125696</a>
20	ACS Sustainable Chemistry & Engineering	UGC /SCI/SCIE/WOS	2168-0485	Shanmugam, R.; Manavalan, S.; Chen, S.-M.; <b>Keerthi</b> , M.; Lin, L.-H. Methyl Parathion Detection Using SnS <sub>2</sub> /N, S-Co-Doped Reduced Graphene Oxide Nanocomposite. <i>ACS Sustainable Chemistry &amp; Engineering</i> 2020, 8 (30), 11194-11203.	13/7/2020 <a href="https://dx.doi.org/10.1021/acssuschemeng.0c02528">https://dx.doi.org/10.1021/acssuschemeng.0c02528</a>
21	Journal of The Electrochemical Society	UGC /SCI/SCIE/WOS	0013-4651	Mariyappan, V.; <b>Keerthi</b> , M.; Chen, S.-M.; Boopathy, G. Facile Synthesis of $\alpha$ -Sm <sub>2</sub> S <sub>3</sub> /MoS <sub>2</sub> Bimetallic Sulfide as a High-Performance Electrochemical Sensor for the Detection of Antineoplastic Drug 5-Fluorouracil in a Biological Samples. <i>Journal of The Electrochemical Society</i> 2020, 167 (11), 117506.	10/7/2020 DOI: <a href="https://doi.org/10.1149/1945-7111/aba1a5">10.1149/1945-7111/aba1a5</a>
22	ACS Sustainable Chemistry & Engineering	UGC /SCI/SCIE/WOS	2168-0485	Jaysiva, G.; Manavalan, S.; Chen, S.-M.; Veerakumar, P.; <b>Keerthi</b> , M.; Tu, H.-S. MoN Nanorod/Sulfur-Doped Graphitic Carbon Nitride for Electrochemical Determination of Chloramphenicol. <i>ACS Sustainable Chemistry &amp; Engineering</i> 2020, 8 (30), 11088-11098.	10/7/2020 <a href="https://dx.doi.org/10.1021/acssuschemeng.0c00502">https://dx.doi.org/10.1021/acssuschemeng.0c00502</a>
23	ACS Applied Electronic Materials	UGC /SCI/SCIE/WOS	2637-6113	Mariyappan, V.; Manavalan, S.; Chen, S.-M.; Jaysiva, G.; Veerakumar, P.; <b>Keerthi</b> , M. Sr@ FeNi-S Nanoparticles/Carbon Nanotubes Nanocomposite	9/6/2020 <a href="https://dx.doi.org/10.1021/acsaelm.0c00248">https://dx.doi.org/10.1021/acsaelm.0c00248</a>

				with Superior Electrocatalytic Activity for Electrochemical Detection of Toxic Mercury (II). <i>ACS Applied Electronic Materials</i> 2020.	
24	Nanoscale	UGC /SCI/SCIE/WOS	2040-3364	S. Manavalan, J. Ganesamurthi, S.-M. Chen, P. Veerakumar, <b>M. Keerthi</b> , A robust Mn@FeNi-S/graphene oxide nanocomposite as a high-efficiency catalyst for the non-enzymatic electrochemical detection of hydrogen peroxide, <i>Nanoscale</i> , 12 (2020) 5961 - 5972.	11/2/2020 <a href="https://doi.org/10.1039/C9NR09148C">https://doi.org/10.1039/C9NR09148C</a>
25	Materials Chemistry and Physics	UGC /SCI/SCIE/WOS	0254-0584	Gopal Boopathy, <b>Murugan Keerthi</b> , Shen-Ming Chen, M. J. Umapathy, Baskaran Naresh Kumar, Highly porous nickel molybdate@graphene oxide nanocomposite for the ultrasensitive electrochemical detection of environmental toxic pollutant catechol. <i>Materials Chemistry and Physics</i> , 239, 121982.	1/1/2020 <a href="https://doi.org/10.1016/j.matchemphys.2019.121982">https://doi.org/10.1016/j.matchemphys.2019.121982</a>
26	Ecotoxicology and Environmental Safety	UGC /SCI/SCIE/WOS	0147-6513	Jaysiva Ganesamurthi, <b>Murugan Keerthi</b> , Shen-Ming Chen, Ragurethinam Shanmugam, Electrochemical detection of thiamethoxam in food samples based on Co <sub>3</sub> O <sub>4</sub> Nanoparticle@Graphitic carbon nitride composite. <i>Ecotoxicology and Environmental Safety</i> , 189, 110035.	2/1/2020 <a href="https://doi.org/10.1016/j.ecoenv.2019.110035">https://doi.org/10.1016/j.ecoenv.2019.110035</a>
27	ACS Applied Materials & Interfaces	UGC /SCI/SCIE/WOS	1944-8244	Bhuvanenthiran Mutharani, <b>Murugan Keerthi</b> , Shen-Ming Chen, Palraj Ranganathan, Tse-Wei Chen, Shih-Yi Lee, Wen-Han Chang (2020, Feb). One- Pot Sustainable Synthesis of Ce <sub>2</sub> S <sub>3</sub> /Gum Arabic Carbon Flowers Nanocomposite for the	30/12/2019 <a href="https://dx.doi.org/10.1021/acsami.9b16123">https://dx.doi.org/10.1021/acsami.9b16123</a>

				Detection of Insecticide Imidacloprid. <i>ACS Applied Materials &amp; Interfaces</i> , 2020.	
28	Microchimica Acta	UGC /SCI/SCIE/ WOS	0026-3672	<b>Murugan Keerthi</b> , Bhuvanenthiran Mutharani, Shen-Ming Chen, Palraj Ranganathan, Carbon fibers coated with urchin-like copper sulfide for nonenzymatic voltammetric sensing of glucose. <i>Microchimica Acta</i> , (2019) 186:807.	19/11/2019 <a href="https://doi.org/10.1007/s00604-019-3915-6">https://doi.org/10.1007/s00604-019-3915-6</a>
29	Scientific reports	UGC /SCI/SCIE/ WOS	2045-2322	<b>M. Keerthi</b> , G. Boopathy, S.-M. Chen, T. W. Chen, B.-S. Lou, A core-shell molybdenum nanoparticles entrapped f-MWCNT s hybrid nanostructured material based non-enzymatic biosensor for electrochemical detection of dopamine neurotransmitter in biological samples. <i>Scientific reports</i> , 9 (2019) 1-12.	10/9/2019 <a href="https://doi.org/10.1038/s41598-019-48999-0">https://doi.org/10.1038/s41598-019-48999-0</a>
30	Journal of The Electrochemical Society	UGC /SCI/SCIE/ WOS	0013-4651	<b>M. Keerthi</b> , S. Manavalan, S.-M. Chen, P.-W. Shen, A Facile Hydrothermal Synthesis and Electrochemical Properties of Manganese dioxide@ graphitic Carbon Nitride Nanocomposite toward Highly Sensitive Detection of Nitrite. <i>Journal of The Electrochemical Society</i> , 166(2019) B1245-B50.	16/9/2019 DOI: <a href="https://doi.org/10.1149/2.0251914jes">10.1149/2.0251914jes</a>
31	ACS Omega	UGC /SCI/SCIE/ WOS	2470-1343	Shaktivel Manavalan, Pitchaimani Veerakumar, Shen-Ming Chen, <b>Keerthi Murugan</b> , and King-Chuen Lin* (2019, May). Binder-Free Modification of a Glassy Carbon Electrode by Using Porous Carbon for Voltammetric Determination of Nitro Isomers. <i>ACS Omega</i> , 2019, 4, 8907?8918.	23/5/2019 <a href="https://doi.org/10.1021/acsomega.9b00622">https://doi.org/10.1021/acsomega.9b00622</a>
32	Composites Part B: Engineering	UGC /SCI/SCIE/	1359-8368	U. Rajaji, <b>M. Keerthi</b> , S.M. Chen, M.	20/10/2018 <a href="https://doi.org/10.101">https://doi.org/10.101</a>

		WOS		Govindasamy, T.-W. Chen, P.H. Lin, Graphene oxide encapsulated 3D porous chalcopyrite ( $\text{CuFeS}_2$ ) nanocomposite as an emerging electrocatalyst for agro-hazardous (methyl paraoxon) detection in vegetables. <i>Composites Part B: Engineering</i> , 160(2019) 268-76.	<a href="#">016/j.compositesb.2018.10.042</a>
33	International Journal of Electrochemical Science	UGC /SCI/SCIE/ WOS	1452-3981	<b>Murugan Keerthi</b> , Gopal Boopathy, Shen-Ming Chen, Tse-Wei Chen, Syang- Peng Rwei, Xiaoheng Liu, An Efficient Electrochemical Sensor Based on Ag Nanoparticle Decorated $\text{MnO}_2$ /reduced Graphene Oxide Ternary Nanocomposite for Detection of Acetaminophen in Human Urine Sample. <i>International Journal of Electrochemical Science</i> , 14 (2019) 346 – 358.	1/1/2019 <a href="#">doi: 10.20964/2019.01.59</a>
34	Journal of The Electrochemical Society.	UGC /SCI/SCIE/ WOS	0013-4651	Gopal Boopathy, <b>Murugan Keerthi</b> , Shen-Ming Chen, Umapathy, Mani Govindasamy, Tse-Wei Chen, M. Ajmal Ali, Fahad M. A. Al-Hemaid, and M. S. Elshikh (2018, Dec). Graphene Oxide/ $\alpha$ - $\text{MnO}_2$ Binary Nanosheets Based Non- Enzymatic Biosensor for Pico-Molar Level Electrochemical Detection of Biomarker (Guanine) in DNA Sample. <i>Journal of The Electrochemical Society</i> , 165 (14) B651-B658.	18/10/2018 <a href="#">DOI: 10.1149/2.0331814jes</a>
35	International Journal of Electrochemical Science	UGC /SCI/SCIE/ WOS	1452-3981	Karthika pichaimuthu, <b>Murugan Keerthi</b> , Shen-Ming Chen, Tse-Wei Chen, Chaochin Su (2018, Aug). Silver Nanoparticles Decorated on Graphene Oxide Sheets for Electrochemical Detection of Ascorbic Acid(AA) in	1/8/2018 <a href="#">doi: 10.20964/2018.08.16</a>

				Human Urine Sample. <i>International Journal of Electrochemical Science</i> , 13 (2018) 7859 – 7869.	
36	International Journal of Electrochemical Science	UGC /SCI/SCIE/ WOS	1452-3981	<b>Murugan Keerthi</b> , Vengudusamy Renganathan, Shen-Ming Chen, Tse-Wei Chen (2018, Feb). One-pot synthesis of MoS <sub>2</sub> flowers grown on prussian blue cubes for the sensitive detection of catechol in water samples. <i>International Journal of Electrochemical Science</i> , 13 (2018) 1568 – 1576.	1/2/2018 doi: <a href="https://doi.org/10.20964/2018.02.51">10.20964/2018.02.51</a>
37	Journal of The Electrochemical Society	UGC /SCI/SCIE/ WOS	0013-4651	<b>Murugan Keerthi</b> , Muthumariappan Akilarasan, Shen-Ming Chen, Sakthivel Kogularasu, Mani Govindasamy, Veerappan Mani, M. Ajmal Ali, Fahad M. A. Al-Hemaid, and M. S. Elshikh (2018, Jan). One-pot biosynthesis of reduced graphene oxide/Prussian blue microcubes composite and its sensitive detection of prophylactic drug dimetridazole. <i>Journal of The Electrochemical Society</i> , 165 (2) B27-B33.	13/1/2018 DOI: <a href="https://doi.org/10.1149/2.0591802jes">10.1149/2.0591802jes</a>
38	International Journal of Electrochemical Science	UGC /SCI/SCIE/ WOS	1452-3981	Veerappan Mani, Rajaji Umamaheswari, Shen-Ming Chen, Mani Govindasamy, Chaochin Su, Anandaraj Sathiyan, Johnson Princy Merlin, <b>Murugan Keerthi</b> (2017). Highly Sensitive Determination of Folic Acid Using Graphene Oxide Nanoribbon Film Modified Screen Printed Carbon Electrode. <i>International Journal of Electrochemical Science</i> , 12 (2017) 475 – 484.	1/1/2017 doi: <a href="https://doi.org/10.20964/2017.01.34">10.20964/2017.01.34</a>
39	Journal of Dispersion Science and	UGC /SCI/SCIE/ WOS	01932691	M.S. Alam, A.M. Siddiq, N. Kamely, <b>M. Keerthi</b> , R.U. Maeshwari, A.B.	3/8/2015 <a href="https://doi.org/10.1080/01932691.201">https://doi.org/10.1080/01932691.201</a>

	Technology		Mandal, Micellization behavior of a cationic gemini surfactant, pentanediy1-1, 5-bis (dimethylcetyl)ammonium bromide): effect of asparagine and temperature, <i>Journal of Dispersion Science and Technology</i> , 36(2015) 1134-1139.	<a href="#">4.956117</a>
--	------------	--	--	--------------------------

### WEBINARS [National/International]

S.no.	Organized by	State/National/International	Topic	Date(s)
1	Sanghamam College of Arts And Science Source	State	Electrochemical Sensors and Applications	26/08/2021
2	Dr. M.G.R. Educational and Research Institute	International	Carbon-based Materials for Electrochemical Sensors	22/10/2021

### OTHERS:

- Delivering a speech as a **keynote speaker** on the topic of electrochemical sensors and biosensors in the international virtual conference on “**Innovative Strategies in Chemical Science and Technology**” (ISCST2020) held on 27-28 June 2020 at Bhaktavatsalam memorial college for women, Chennai.
- Organized National Webinar on “**Atom by Atom Engineering in Cluster Science**” on 06.02.2023 PG & Research Department of Chemistry, Ethiraj College for Women, Egmore, Chennai - 600 008.