

Department of Chemistry

Name of the Faculty: Dr Vinayak Adimule

PhD Completion Year: 2016

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Number of PhD candidates guided/Guiding: 2

List of Collaborations (Mention Institute/department/organisation name, Country)

a. MS Ramaiah Institute of Technology, Bangalore, India

b. Centre for Nanomaterials and Displays (CNMD), BMSCE, Bangalore, India

c. High Energy Materials Research Laboratory, DRDO, Pune, India

d. National University of Ireland

e. Mangalore University, Mangalore, India

(I) Details of Original Research Article Contributions

Serial No	Journal Name/Publisher	Paper Title/Authors	Indexing*	Impact Factor/Q rating	DOI* (paste only DOI link)	Accepted/Published Year, Volume, issue, page number
1	Electro analysis/Wiley	Characterization of Cr Doped TeO ₂ Nanostructures and its Application as EGFET pH Sensor / Dr Vinayak Adimule et al	Scopus, Q2	3	https://doi.org/10.1002/elan.2020060329	2021, 33, 579.
2	Macromolecular	Synthesis, Impedance, and	Scopus, Q3		https://doi.org/10.1002/masy.202000002	2020, 392, 2000002

	Symposia/Wiley	Current–Voltage Characteristics of Strontium-Manganese Titanate Hybrid Nanoparticles/Dr Vinayak Adimule et al			2000002	
3.	Macromolecular Symposia/Wiley	A Facile Synthesis of Poly (3-octyl thiophene):Ni _{0.4} Sr _{0.6} TiO ₃ Hybrid Nanocomposites for Solar Cell Applications/ Vinayak Adimule et al	Scopus, Q3		https://doi.org/10.1002/masy.202000001	2020, 392, 2000001
4	<i>J. of Materials Engineering and Performance</i>	Synthesis and Fabrication of Y-Doped ZnO Nanoparticles and Their Application as a Gas Sensor for the Detection of Ammonia/ Vinayak Adimule et al	Q2 (h index 85)	2.18	https://doi.org/10.1007/s11665-020-04979	29, 4586–4596 (2020).
5	Letters on Materials	A Facile Synthesis of Cr doped WO ₃ Nanocomposites and its Effect in	Q3	1.0	https://doi.org/10.22226/2410-3535-2020-4-481-485	2020, 10(4) 481-485

		Enhanced Current-Voltage and Impedance Characteristics of Thin Films'/ Vinayak Adimule et al				
6	J. Nano Res	A Facile Synthesis of Cr Doped WO ₃ Nanostructures, Study of their Current-Voltage, Power Dissipation and Impedance Properties of Thin Films/ Adimule, V.; Nandi, S. S.; Adarsha. H. J.	Q3	0.73	https://doi.org/10.4028/www.scientific.net/JNanoR.67.33	2021, 67, 33-42
7	Mater. Today Chem	Enhanced photoluminescence properties of Gd _(x-1) Sr _x O: CdO nanocores and their study of optical, structural, and morphological characteristics/ Adimule, V.; Nandi, S. S.; Yallur, B. C.;	Q1	3.21	https://doi.org/10.1016/j.mtchem.2021.100438	2021, 20, 100438.

		Bhowmik, D.; Jagadeesha, A. H.				
8	J. Fluoresc	Optical, Structural and Photoluminescenc e Properties of Gd _x SrO: CdO Nanostructures Synthesized by Co Precipitation Method/ Adimule, V.; Nandi, S. S.; Yallur, B. C.; Bhowmik, D.; Jagadeesha, A. H.	Q2	2.34	DOI: 10.1007/s10895 -021-02683-7	2021, 31, 487–499
9	J. Mater. Sci.: Mater. Electron	Morphology, structural and photoluminescenc e properties of shaping triple semiconductor Y _x CoO:ZrO ₂ nanostructures./ Vinayak Adimule et al	Q2	2.14	DOI: 10.1007/s10854 -021-05845-2	2021, 32, 12164– 12181.

(II) Details of Book Publications

Serial No	Book Title/Publisher	ISBN Number*	Authors	E source page*
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1	Electronic Properties of Rare Earth Nanomaterials-Concise and Novel Approach /Notion Press International	978164733 8329	Dr Vinayak Adimule Miss Anusha Suryavanshi	https://notionpress.com/read/electronic-properties-of-rare-earth-nanomaterials-concise-and-novel-approach
2	AMBA-AHB Architecture in VLSI Design	978-1- 64678- 094-5	Dr Vinayak Adimule Miss Anusha Suryavanshi	https://notionpress.com/read/amba-ahb-architecture-in-vlsi-design

(I) Details of Book Chapter Publications

Serial No	Book Chapter Title/Publisher	ISBN Number	Authors	E source page	DOI*/Vol number/Page Number
1	Emerging Research in Electronics, Computer Science and Technology		Adimule, V. Vageesha, P. Bagihalli, G. Bowmik, D Adarsha, H. J.		2019, Springer, Singapore, 1131-1140.

(II) Details of Patent publications/Grants (Indian/Foreign)

Serial No	Title of the Innovation	Application Number*/Grant Number*/Patent Reference Number	Authors	Filled/Published Web link* (Indian/Foreign)	Date of publication/Grant
1	-	-	-	-	-

(III) Details of Membership to Professional Bodies

Serial No	Name of the Society/Organization	Membership Number*/Type	Role	Date of joining
1	Hong Kong Chemical, Biological & Environmental Engineering Society	101339	Sr Member	12-03-2000

	(HKCBEEES)			
2	International Association of Engineers	183156	Member	14-09-2020
3	Asian Society of Researcher	R218073108	Member	08-06-2020
4	International Association of Educators and Researchers (IAER)	180722	Member	13-07-2020
5	Maryland Pharmaceutical Society (MPhS)		Member	30-01-2020
6	Chemical Society of Japan	2170350800	Member	14-07-2019
7	International Society for Environmental Information Sciences		Member	14-02-2017

(IV) Details of Conference Chair*/Proceedings

Serial No	Name of the Conference/National/International	Title of the Paper Presented*	Date/Venue/oral/poster	Presenting Author Name
1	<i>AIP Conference Proceedings 2274, 020006 (2020)</i>	Semiconductor current-voltage characteristics	https://doi.org/10.1063/5.0022453	Dr V Adimule

		of some novel perovskite ionic nanocomposites of Sr _{0.5} , Cu _{0.4} , Y _{0.1} and Sr _{0.5} , Mn _{0.5} and their electronic sensor applications		
2	<i>AIP Conference Proceedings 2274, 020007 (2020)</i>	Super capacitor characteristics of novel rare earth perovskite nanomaterials of Sr _{0.5} , Cu _{0.4} , Y _{0.1}	https://doi.org/10.1063/5.0022454	Dr V Adimule
3	<i>AIP Conference Proceedings 2274, 020005 (2020)</i>	Fabrication of novel rare earth doped ionic perovskite nanomaterials of Sr _{0.5} , Cu _{0.4} , Y _{0.1} and Sr _{0.5} and Mn _{0.5} for high power efficient energy harvesting photovoltaic cells	https://doi.org/10.1063/5.0022450	Dr V Adimule
4	<i>IOP Conference Series:</i>	Synthesis,	10.1088/1757-899X/872/1/012099	Dr V

	<i>Materials Science and Engineering, 872:012099</i>	characterization and impedance studies of novel nanocomposites of gadolinium titanate		Adimule
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(V) Any other details* (Kindly attach relevant certificates)

1. Completed "Swayam FDP Programme
2. Completed FDP programme organized by Vemana College under the sponsorship of royal society of chemistry
3. Attended More than 15 International conferences/conference chair/speaker etc.

Note: * marked fields are compulsory to fill