

FACULTY PROFILE



1. Personal Information:

Name of Faculty : Dr. Shivaji Bhaurao Ubale
Designation : Assistant Professor
Department : Department of Physics
Date of Appointment : 20/05/2023
Area of Specialization : Physics, Thin film, Nanomaterials
Courses taught : B.Sc.
Total teaching experience : 0 Years 6 Months
Address for Correspondence: Banvadi, Karad
Date of Birth : 23/09/1991
Marital Status : Married
E-Mail : shivajiubale96@gmail.com
Language Proficiency : Marathi, English, Hindi
Research Profile Links : Scopus, Google Scholar Links, Research gate and Vidvan ID
Google Scholar: https://scholar.google.com/citations?user=ATK_stAAAAAJ&hl=en
ResearchGate : <https://www.researchgate.net/profile/Shivaji-Ubale-2>
Vidvan ID : <https://vidwan.inflibnet.ac.in/profile/400545>

2. Academic Qualification: M.Sc., Ph.D.

Course	Board/University	Year of Passing	Percentage	Division	Subjects
Ph.D.	D.Y. Patil University, Kolhapur	2022	71.33%	-	Physics
M.SC.	Solapur University, Solapur	2016	65.92%	-	Physics
B.SC.	Solapur University, Solapur	2014	66.96%	-	Physics

3. Research Qualification:

Course	University	Year	Topic of Research
Ph.D.	D.Y. Patil University, Kolhapur	Passed	Development of Ytterbium Sulfide/Graphene Oxide Composite Thin Films for Supercapacitor Applications
M. Phil.	-----	-----	-----
JRF/ NET	-----	-----	-----
SET	-----	-----	-----

4. Teaching and Research Experience:

- **2022-2023:** Assistant Professor at Department of Physics K. N. Bhise college, Kurduwadi, India during 08/2017 to 04/2023 (~9 Months)
- **2021- 2022:** Senior Research Fellow on Chhatrapati Shahu Maharaj Research Training and Human Development Institute (SARTHI), Pune of the Government of Maharashtra State for **Chhatrapati Shahu Maharaj National Senior Research Fellowship (CSMNSRF)**.
- **2019-2020:** Junior Research Fellow on Chhatrapati Shahu Maharaj Research Training and Human Development Institute (SARTHI), Pune of the Government of Maharashtra State for **Chhatrapati Shahu Maharaj National Research Fellowship (CSMNRF)**.
- **2018-2019:** Project Assistant (PA), **DST-SERB** New Delhi, India. Centre for Interdisciplinary Research, D. Y. Patil University, Kolhapur, Maharashtra, India.
- **2017-2018:** Assistant Professor at Department of Physics K. N. Bhise college, Kurduwadi, India during 07/2017 to 04/2018 (~9 Months)

5. Research Papers Published – International/National Journal:

Publications in UGC care List	Publications in conference proceedings	Citations	h-index	i-10 index
17	1	400	10	11

6. Details of Research Papers Published:

Sr. No	Title of the Paper	Name of Authors	Journal Name	Impact Factor	Year	ISSN No.	Link to the recognition in UGC enlistment of the Journal
1	SILAR synthesized dysprosium selenide (Dy_2Se_3) thin films for hybrid electrochemical capacitors	S. D. Khot, D. B. Malavekar, R. P. Nikam, S. B. Ubale , P. P. Bagwade, D. J. Patil, V. C. Lokhande, C. D. Lokhande	Synthetic Metal 287 11707	4.4	2022	0379-6779	https://mjl.clarivate.com/search-results?issn=0379-6779&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=

							n=search-results-share-this-journal
2	Synthesis, characterization and supercapacitive application of nanocauliflower-like cobalt tungsten oxide thin films by successive ionic layer adsorption and reaction (SILAR) Method	P. P. Bagwade, D. B. Malavekar, S. B. Ubale , R. N. Bulakhe, I. In, U. M. Patil, C. D. Lokhande	Electrochimical Acta. 408 139933-139981	7.33	2022	0001-5164	https://mjl.clarivate.com/search-results?issn=0001-5164&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
3	Sulfur-doped graphene as a rational anode for ionic liquid-based hybrid capacitor with 3.5 V working window	N. S. Shaikh, V. C. Lokhande, T. Ji, P. P. Ngat, S. B. Ubale , J. S. Shaikh, S. Praserthdam, C. D. Lokhande, P. Kanjanaboos	Energy & Fuels 36 2799-2810	4.65	2022	0887-0624	https://mjl.clarivate.com/search-results?issn=0887-0624&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
4	Rational La-doped hematite as an anode and cobalt phosphate as a battery-type electrode for a hybrid supercapacitor	N. S. Shaikh, V. C. Lokhande, T. Ji, S. B. Ubale , V. J. Mane, C. D. Lokhande, J. S. Shaikh, H. S. Shaikh, S. R. Sabale, P. Kanjanaboos	Dalton Transition 51 6378-6379	4.56	2022	1477-9226	https://mjl.clarivate.com/search-results?issn=1477-9226&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
5	Enhanced specific energy of silver doped MnO ₂ /GO electrodes as facile fabrication symmetric supercapacitor device	V. J. Mane, S. B. Kale, S. B. Ubale , V. C. Lokhande, C. D. Lokhande	Materials Today Chemistry 20 100473-100487	7.61	2021	2468-5194	https://mjl.clarivate.com/search-results?issn=2468-5194&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
6	A high performance flexible solid-state asymmetric supercapacitor based on composite	P. P. Bagwade, D. B. Malavekar, T. T. Ghogare, S. B. Ubale , V. J.	Journal of Alloys & Compound 859	6.67	2021	0925-8388	https://mjl.clarivate.com/search-results?issn=0925-8388&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal

	of reduced graphene oxide@ dysprosium sulfide nanosheets and manganese oxide nanospheres	Mane, R. N. Bulakhe, I. In, C. D. Lokhande	157829-157847				m_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
7	Novel electrodes for supercapacitor: conducting polymers, metal oxides, chalcogenides, carbides, nitrides, MXenes, and their composites with graphene	N. S. sheikh, S. B. Ubale , V. J. Mane, J. S. sheikh, V. C. Lokhande, S. Praserthdam, C. D. Lokhande, P. Kanjanaboos	Journal of Alloys & Compound 893, 161998-162021	6.67	2021	0925-8388	https://mjl.clarivate.com/search-results?issn=0925-8388&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
8	Supercapacitor devices based as SILAR synthesized ytterbium sulfide @ graphene oxide nanocomposite flexible thin film electrodes	S. B. Ubale , S. B. Kale, V. J. Mane, U. M. Patil, C. D. Lokhande	Journal of Electroanalytical Chemistry 897 115589-115601	4.59	2021	1572-6657	https://mjl.clarivate.com/search-results?issn=1572-6657&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
9	Characterization of Dy ₂ S ₃ thin films deposited by successive ionic layer adsorption and reaction (SILAR) method	P. P. Bagwade, D. B. Malavekar, S. B. Ubale , T. T. Ghogare, R. N. Bulakhe, I. In, U. M. Patil, C. D. Lokhande	Journal of Solid-State Science 119 106693-106697	3.50	2021	2162-8769	https://mjl.clarivate.com/search-results?issn=2162-8769&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
10	SILAR synthesized nanostructured ytterbium sulfide thin film electrodes for symmetric supercapacitors	S. B. Ubale , S. B. Kale, V. J. Mane, P. P. Bagwade, C. D. Lokhande	Journal of Solid-State Electrochemistry 25 1753-1764	2.50	2021	1432-8488	https://mjl.clarivate.com/search-results?issn=1432-8488&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal

11	Lanthanum sulfide-manganese sulfide/graphene oxide (La ₂ S ₃ -MnS/GO) composite thin film as an electrocatalyst for oxygen evolution reactions	V. J. Mane, S. B. Kale, S. B. Ubale , V. C. Lokhande, U. M. Patil, C. D. Lokhande	Journal of Solid-State Electrochemistry 25 1775-1788	2.50	2021	1432-8488	https://mjl.clarivate.com/search-results?issn=1432-8488&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
12	Binder free lanthanum doped manganese oxide@graphene oxide composite as high energy density electrode material for flexible symmetric solid-state supercapacitor	V. J. Mane, D. B. Malavekar, S. B. Ubale , R. N. Bulakhe, I. In, C. D. Lokhande	Electrochemical Acta 335 135613-135628	7.33	2020	0001-5164	https://mjl.clarivate.com/search-results?issn=0001-5164&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
13	Enhanced energy density of flexible asymmetric solid state supercapacitor device fabricated with amorphous thin film electrode materials	D. B. Malavekar, V. C. Lokhande, V. J. Mane, S. B. Ubale , U. M. Patil, C. D. Lokhande	Journal of Physical Chemical Solids 141 109425-109435	2020	3.99	0047-2689	https://mjl.clarivate.com/search-results?issn=0047-2689&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
14	Chemical synthesis of nano-grained ytterbium sulfide thin films for supercapacitor application	S. B. Ubale , R. N. Bulakhe, V. J. Mane, D. B. Malavekar, I. In, C. D. Lokhande	Applied Nanoscience 10 5085-5097	2020	3.86	1944-8244	https://mjl.clarivate.com/search-results?issn=1944-8244&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
15	Manganese dioxide thin films deposited by chemical bath and successive ionic layer adsorption and reaction deposition	V. J. Mane, D. B. Malavekar, S. B. Ubale , V. C. Lokhande, C. D. Lokhande,	Inorganic Chemistry Communications 115 107853-107869	2020	3.42	1387-7003	https://mjl.clarivate.com/search-results?issn=1387-7003&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal

	methods and their supercapacitive performance						by-link&utm_campaign=search-results-share-this-journal
16	Electrochemical behavior of hydrothermally synthesized porous groundnuts-like samarium oxide thin films	S. B. Ubale , T. T. Ghogare, V. C. Lokhande, T. Ji, C. D. Lokhande	SN Applied Sciences 2 1-5	2020	pending	2523-3963	https://mjl.clarivate.com/search-results?issn=2523-3963&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
17	Hydrothermally synthesis of ytterbium sulfide thin film and its supercapacitor application	T. T. Ghogare, S. B. Ubale , A. C. Lokhande, C. D. Lokhande	MJDYPU 12 25-27	2018	pending	0974-2743	https://academic-accelerator.com/Research-Hotspot/Mjdypu

7. Research Paper Published – Conference Proceedings:

Sr. No.	Name of Research Paper	Organized By	Name of Conf.	Level of Conf.	ISB N No.	Vol. No.	Page No.
1	Hydrothermally synthesis and characterization of samarium oxide thin film for supercapacitor application	Savitribai Phule University, Pune	National conference on advanced materials synthesis, characterization and applications	National	-	-	-

8. Books Published/Chapter in Books:

Sr. No.	Title of Book	Publication	Year of Publication	ISBN No.
1	Chemically Synthesized Ytterbium Sulfide @ Graphene Oxide Composite Thin Films for Supercapacitor Application	Springer	2022	978-613-8-63911-4

9. Conference/Seminars/Workshops Attended:

Sr. No.	Name of Programme	Organized By	Year & Duration	Level of Conference
1	Physics is simple-2013	K. N. Bhise Arts, Commerce and Vinayakrao Patil	2013 One day	Inter-college

		Science College, Bhosale (Kurduwadi), Solapur.		
2	Latest Developments in Material Characterization Techniques”	School of Physical Sciences, Solapur University, Solapur	2015 One day	National
3	National conf. on Advances in Biodiversity, Science, Engineering and the Environment”	(NCABSEE-2016), (Bijapur) Karnataka	2016 Two days	National
4	One day workshop university level workshop on B.Sc.-III Physics CBCS pattern syllabus (Des. -2017)	K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Bhosale (Kurduwadi), Solapur.	2017 One day	National
4	National conf. on Nuclear Energy: Need the Society and Misconceptions (NENSM-2018), Solapur.	School of Physical Sciences, Solapur University, Solapur	2018 one day	National
5	National conf. on Advanced Materials Synthesis, Characterization and Application, (AMSCA- 2018), Pune.	Department of Physics, Savitribai Phule University, Pune	2018 Two days	National
6	Int. Conf. On Physics of Materials and Materials Based Device Fabrication”, (4 th ICPM- MDF-2019), Kolhapur.	Department of Physics, Shivaji University, Kolhapur	2019 Three days	International
7	Modern Approaches in Sciences (MAS–2019)	K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Bhosale (Kurduwadi), Solapur.	2019 Two days	National
8	Entrepreneurship and innovation as carrier opportunity	D. Y. Patil Education Society (Deemed to be University), Kolhapur	2019 One day	National
9	Int. Conf. on Smart Materials and Nanotechnology (ICSMN-2020), Pandharpur	Sigh Gad Engineering institute, Pandharpur	2020 Two days	International
10	Int. Conf. on Advancements in Renewable Energy (ICARE-2020), Nanded.	Department of Physics SRTM University, Nanded	2020 Three days	International

11	Engineered Science 2020,	ES Publisher, USA, Prof. C. D. Lokhande Endowment Charitable	2020 Two days	International
12	Advanced Nanostructured Materials for Energy Generation, Storage and Smart Application,	Shardabai pawar mahila arts, commerce and science college, Baramati, (India)	2020 One day	International
13	Resent Trends in Nanostructured Materials based Devices and Their Applications,	D. P. Bhosale College Koregaon, Satara, (India)	2020 One day	International
14	Role of Advance Materials for Optoelectronic Devices	Sakri, Dhule, (India)	2020	International
15	Novel Applications for Nanomaterials,	Malkapur, Kolhapur, (India)	2020	International
16	CBTR-2020	D. Y. Patil Education Society (Deemed to be University), Kolhapur, (India)	2020	International
17	International seminar series on nanotechnology for Environment and Sustainability	D. Y. Patil Education Society (Deemed to be University), Kolhapur, (India)	2021	International
18	Emerging Trends and Clinical Challenges in Cancer Treatment	D. Y. Patil Education Society (Deemed to be University), Kolhapur, (India)	2021	National
19	Theoretical and practical aspects of X-ray Diffraction	Bengaluru, (India)	2021	National
20	MET-2021	Solapur University, Solapur, (India)	2021	National
21	Industry 4.0,	Talsande, Kolhapur, (India)	2021	National

. Research Guidance:

Course	Current Fellows	Awarded Fellows
M.Phil.		
Ph.D.		

11. Orientation/Refresher/Short Term Courses Attended:

Sr. No.	Name of Organizer	Name of Programme	Year of Programme	Duration (in Days)
1	Ramanujan College, University of Delhi	Induction/Orientation	2023	30

12. Awards /recognitions received: International, National, State, University level: Teachers awards, Prize in poster presentation, paper reading in conference/seminar, awards related to social work etc.

Sr. No.	Name of the Award	Awarding Agency	Level	Year
1	Senior Research Fellow	Chhatrapati Shahu Maharaj Research Training and Human Development Institute (SARTHI) , Pune of the Government of Maharashtra State	National	2020
4	Junior Research Fellow	Chhatrapati Shahu Maharaj Research Training and Human Development Institute (SARTHI) , Pune of the Government of Maharashtra State	National	2019
5	Junior Research Fellow	DST, Govt. of India	National	2018

13. Patents:

Sr. No.	Name of Contributors	Title	Agency	Application/Granted Number	Year
1	V.V. Bhosale, C.D. Lokhande, R.B. Pujari, V.C. Lokhande, S.B. Ubale	Chemically deposited large area and nanostructured samarium oxide thin films for energy storage	Indian Intellectual Property Rights Information Services (IIPRIS)	201821022705	18/06/2018
2	V.V. Bhosale, C.D. Lokhande, S.B. Ubale , V.C. Lokhande	Chemically coated ytterbium phosphate film on solid surface and energy storage application thereof	Indian Intellectual Property Rights Information Services (IIPRIS)	201921042840	22/10/2019
3	V.V. Bhosale, C.D. Lokhande, V. J. Mane, S.B. Ubale A.C. Lokhande	Asymmetric solid-state supercapacitor for energy storage	Indian Intellectual Property Rights Information Services (IIPRIS)	1019747330000	23/04/2019
4	V.S. Jamdade, R. P. Bhosale, C.D. Lokhande, S.B. Ubale , S.S. Kumbhar	A chemical synthesis of manganese ferrite thin films on conducting substrates for energy storage	Indian Intellectual Property Rights Information Services (IIPRIS)	202221005137	29/04/2022
5	A.P. Torane, A.A. Mohite R.P.	A method of preparation of an	Indian Intellectual	202221046044	08/08/2022

	Bhosale, C.D. Lokhande, S.B. Ubale, S.S. Kumbhar, B.T. Jadhav	electrode based on lanthanum strontium tungsten oxide composite for supercapacitor application	Property Rights Information Services (IIPRIS)		
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14. Editorial Board

Associate Editor : -

Review Editor : -

15. Leadership Activities

16. Contribution to University level

- Paper setter : B.Sc. I & II
- Examiner : B.Sc.
- Subject Expert in : Physics
- CAP : B.Sc. III Theory
- BOS : -

Special Achievement/ Co-Curricular/Extra Curricular Activities:

Sr. No.	Type of Activity	Year	Event/Programme	Place
1	Cricket, Holly ball	2018-2019	Inter University competition	D.Y. Patil University, Kolhapur

Place : Karad

Name of Faculty

Dr. Shivaji Bhaurao Ubale