

CURRICULUM VITA

- 1) **Name** : Dr.Vijay Sampat Mohite
2) **Educational Qualification** : M.Sc.,Ph.D
3) **Present Designation** : Assistant Professor
4) **Date of Birth** : 01/10/1987
5) **Contact No.** : 9604110745
6) **Email ID** : vijaymohitegvm@gmail.com
7) **Date of Appointment** :18/07/2016
8) **Teaching Experience** : 6 Years
9) **Date of joining in present college:** 18/07/2016

10) Educational Qualification:

Sr. No.	Examination Passed	University/ Board	Year of Passing	Subject (s)	Class/ Grade
1	B.Sc	Shivaji University	2009	Physics	First Class
2	M.Sc	Shivaji University	2011	Physics	First Class
3	Ph.D	Shivaji University	2015	Physics	NA

11) Total Research Publications : 16

a. M.Phil. / Ph.D./Research

Sr. No.	Ph. D. Thesis Title	Name of The Univ.	Year of award	Name of Guide
1	“Photoelectrocatalytic performance of spray deposited nanocrystalline Au doped TiO ₂ thin films	Shivaji University, Kolhapur	2015	Prof. Dr. C. H. Bhosale

b. Book:

Sr. No.	Title of Book	Year of publication	ISBN	Name & Place of Publisher
-	-	-	-	-

c. Chapter in Book:

Sr. No.	Title of Book & Name of Editor	Title of the Chapter	Year of publication	ISBN	Name & Place of Publisher
1	Title of Book: Silk Fibroin: Advances in Applications and Research Editor: Prof. Dr. S. H. Pawar	Silk Fibroin-Based Systems for Conversion and Storage of Energy	2023	ISBN: 979-8-88697-402-7	NOVA Science Publisher, USA

Research Paper:

Sr. No.	Title of the Paper	Name of Journal	Month and Year of publication	ISBN	UGC. No./Impact Factor/ Citation Details
1	Nanoparticle Engineered Photocatalytic Paints: A Roadmap to Self-Sterilizing against the Spread of Communicable Diseases	Catalysts	December 2022	(ISSN: 2073-4344)	Impact Factor :4.501 Citations: 13
2	Photoelectrocatalytic degradation of benzoic acid using sprayed TiO ₂ thin films	Ceramics International	2015	ISSN 0272-8842	Impact Factor : 5.532 Citations: 23
3	Photoelectrocatalytic degradation of benzoic acid using Au doped TiO ₂ thin films	Journal of Photochemistry and Photobiology B: Biology	2015	ISSN 1011-1344	Impact Factor : 6.814 Citations: 70
4	Synthesis and Characterization of Spray Deposited Nickel-Zinc Ferrite	Energy Procedia	2014	ISSN 1876-6102	Impact Factor : 2.67 Citations: 26
5	UV assisted photoelectrocatalytic oxidation of phthalic acid using spray	Journal of Alloys and Compounds	2014	ISSN: 0925-8388	Impact Factor : 6.371

	deposited Al doped zinc oxide thin films				Citations: 39
6	Structural, dielectric and magnetic properties of Ni substituted zinc ferrite	Journal of Magnetism and Magnetic Materials	2014	ISSN: 0304-8853	Impact Factor : 3.097 Citations: 61
7	Photoelectrocatalytic activity of ferric oxide nanocatalyst: A synergistic effect of thickness	Ceramics International	2014	ISSN 0272-8842	Impact Factor : 5.532 Citations: 14
8	Visible light catalysis of rhodamine B using nanostructured Fe ₂ O ₃ , TiO ₂ and TiO ₂ /Fe ₂ O ₃ thin films	Journal of Photochemistry and Photobiology B: Biology	2014	ISSN 1011-1344	Impact Factor : 6.814 Citations: 107
9	Photoelectrocatalytic decolorization and degradation of textile effluent using ZnO thin films	Journal of Photochemistry and Photobiology B: Biology	2012	ISSN 1011-1344	Impact Factor : 6.814 Citations: 74
10	Photoelectrocatalytic oxidation of Rhodamine B with sprayed- Fe ₂ O ₃ photocatalyst	Mater. Express	2013	ISSN: 2158-5849	Impact Factor : 1.111 Citations: 41
11	Effect of Ni content on the structural, morphological and magnetic properties of spray deposited Ni–Zn ferrite thin films	Materials Research Bulletin	2015	ISSN 0025-5408.	Impact Factor : 5.6 Citations: 39
12	Photoelectrocatalytic degradation of methyl red using sprayed WO ₃ thin films under visible light irradiation	J. Mater. Sci: Mater Electron	2015	ISSN 0957-4522	Impact Factor : 2.779 Citations: 59
13	Visible light catalysis of methyl orange using nanostructured WO ₃	Ceramics International	2016	ISSN 0272-8842	Impact Factor : 5.532

	thin films				Citations: 67
14	Photoelectrocatalytic degradation of methyl red using sprayed WO ₃ thin films	J. Mater. Sci: Mater Electron	2016	ISSN 0957-4522	Impact Factor : 2.779 Citations: 51
15	Structural and electrical properties of barium titanate (BaTiO ₃) thin films obtained by spray pyrolysis method	Materials Science-Poland	2015	ISSN: 2083-134X	Impact Factor : 0.889 Citations: 31
16	Fabrication of Ni _{0.4} Zn _{0.6} Fe ₂ O ₄ -BaTiO ₃ bilayered thin films, obtained by spray pyrolysis method for magnetoelectric (ME) effect measurement	J Mater Sci: Mater Electron	2016	ISSN 0957-4522	Impact Factor : 2.779 Citations: 12

d. Research Project:

Sr. No.	Name of Funding Agency	Project Title	Funds Received	Month and Year of sanction	Duration of the Project	Status of Project
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e. Papers presented in Seminar / Conference:

Sr. No.	Name of the Conference/ Seminar	Title of the paper	Date	Level (State/ National/ International)	Name of the Organizer
1	2 nd National Seminar on Physics of Materials and Material based Devices Fabrication 2013 (NSPM-MDF 2013)	Physical & chemical properties of CdSe thin films & its use in Solar Cell	4-5 January 2013	National	Department of Physics, Shivaji university, Kolhapur
2	4 th International Conference on Advances in Energy Research	Synthesis And Characterization Of Sprayed ZnO, Fe ₂ O ₃ , and Fe ₂ O ₃ /ZnO Thin Films	10-12 December 2013	International	IIT, Bombay

	(ICAER 2013)				
3	International conference on Environmental Systems and Sustainable Development	Degradation of 4-Chlorophenol using Spray deposited nanostructured TiO ₂ thin film Photocatalyst	15-16, 2016	International	C.T. Bora College, Shirur
4	International Conference on Applied Nanotechnology and Nanoscience (ICANN 2017)	Photoelectrocatalytic degradation of methyl blue using sprayed TiO ₂ thin films	7-9 December 2017	International	Department of Physics, Shivaji university, Kolhapur
5	National Conference on Advanced Functional Materials: Synthesis, Characterization and Applications (NCAFM-2020)	Photoelectrocatalytic Oxidation of 4-Chlorophenol using TiO ₂ photocatalyst	3-4 January 2020	National	Vidhya Pratishtan,s ASC College, Baramati
6	International Conference on Multifunctional and Hybrid Materials for Energy and Environment (MHMEE-2020)	Photoelectrocatalytic degradation of benzoic acid using Au doped TiO ₂ thin films	29-31 January 2020	International	Y. C Institute of Science, Satara
7	1 st International Conference on Physics of Materials and Materials Based Device Fabrication (ICPM-MDF-2012)	Visible light catalysis of methyl orange using nanostructured ZnO thin films	17-19 January 2012	International	Department of Physics, Shivaji university, Kolhapur
8	National Seminar on Physics of Materials and Materials Based Device Fabrication (NSPM-MDF-2011)	Synthesis and characterization of spray deposited Nickel-Zinc ferrite thin films	17-18 February 2011	National	Department of Physics, Shivaji university, Kolhapur

f. Patents published/Register: ___ - _____

12) Research Guidance:

a) Guide ship Details

Sr. No.	M.Phil./ Ph.D. Guide	Name of University	Month & Year of recognition	No. of Research Scholars	
				Completed	Perusing
1	-	-	-	-	-

b) Research Guidance

Sr. No.	Name of Scholar	Name of University	Month and Year Registration	Title of the Research
1	-	-	-	-

13) Professional recognition / award/ fellowship etc.

Sr. No.	Name of Award/ Recognition	Awarding Agency	Date
1	UGC Meritorious fellow	UGC	15/06/2014

14) E-Content Development:

Sr. No.	Title of Content	Level (UG/ PG / ALL)	Platform	Link of E-Content
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15) Work Experience on Academic Bodies and other:

Sr.No.	Designation/ Position	Duration	Name of Institute / University	Details
1	BOS Member (Physics)	2019-21	T.C.College, Baramati	Designing of UG & PG Syllabus
2	BOS Member (Physics)	2022-24	T.C.College, Baramati	Designing of UG & PG Syllabus

16) Life Membership of Profession Bodies:

Sr.No.	Name of Professional Body
-	-

17) Any other Attainment:

- 1). Deliver an invited talk on the occasion of “National Science Day” in “Radheshyam Agarwal Technical Institute and Junior College, Baramati on 28/02/2018.
- 2). Deliver a Guest Lecturer in M. S. Kakade College, Someshwarnagar, Dist: Pune on

“Scope in Physics” on 17/03/2018.

- 3). Deliver an invited talk on the occasion of **“Golden Jubilee year of Rayat Shikshan Sanshta”** in Radheshyam Agarwal Technical Institute and Junior College, Baramati on **“Research and Patent”** for Teachers on **05/10/2018.**
- 4). Guidance: Project selected for **“National Science Exhibition”** held at **New Delhi** under **“Inspire Award”** to the student from R.N.A.T Institute & Jr. College, Baramati (**“Rayat Shikshan Sanstha”**) for **2018-19.**
- 5). Deliver a Guest Lecture in **Radheshyam Agarwal Technical Institute and Junior College, Baramati** on **“Research & Patent”** on **28/02/2018.**
- 6). Deliver a Guest Lecture in **L.G. Bansode Vidhyalay, Palasdeo, Dist: Pune** on **“Carrier Guidance after 10th class”** on **16/04/2019.**
- 7). Deliver a Guest Lecture in **S.G.M College, Karad** on **“Thin Film”** on **08/02/2020 & 09/02/2020**
- 8). Deliver an invited talk on the occasion of **“Energy Conservation Day (14th December)”** in **“Shardabai Pawar Mahila Arts, Commerce & Science College, Baramati** on **29/12/2021**
- 9). Deliver a Guest Lecture in **Shankarrao More Vidhyalaya & Loknete Subrao Kadam Junior College, Pune** on **“Personality Development & Value Education”** on **28/01/2022.**
- 10). Deliver an Guest Lecture for Seminar on, **“Energy Generation and Storage: Research & Scope in Industry on 12/08/2023** on the occasion of **Dr. Viram Sarabahi Birth Anniversary** in **“Shardabai Pawar Mahila Arts, Commerce & Science College, Baramati**