

MR. VISHAL KASHINATH PANDITEmail: vishalpandit20@gmail.com**Mob. No.** (+91)9422590316, 7448160985**PERSONEL PROFILE:****Date of Birth:** 20th Oct 1985**Permanent Address:**

S/o Kashinath Balaji Pandit, At/Post-Pimpalgaon Rotha, Tal: Parner, Dist: Ahmednagar

EDUCATION DETAILS:

Sr. No.	Degree	Year of Passing	Board/University	Subject
01	B.Sc.	Apr/May-2006	Pune	Physics
02	M.Sc.	Apr/May-2009	Dept. of Physics, Uni. of Pune (SPPU Pune)	Physics
03	M.Phil.*	June 2013	Dept. of Physics, Uni. of Pune (SPPU Pune)	Physics
04	NET	June 2017	CSIR-UGC	Physics
05	Ph.D.**	Ongoing	Shivaji University, Kolhapur, Maharashtra.	Physics (Thesis Submitted To Shvaji University, Kolhapur)

***M.Phil. Thesis:** *Electrochemical Deposition of CuInSe₂ Films and Study of Their Physico-Chemical*

Properties for Solar Cell Applications

****Ph. D Title:** *Polyaniline-Polypyrrole Heterojunction for Gas Sensing Application*

Research Interest: *Heterojunction Devices for Solar cell, Gas Sensor application*

COMPUTER AWARENESS/CERTIFICATE COURSES:

Course Name	Board/Institute	Grade
Course on Computer Concept (CCC)	NIELIT, New Delhi (former DOEACC Society)	"C"
M. S. Office:	Vidnyan Ashram, Pabal, Dist -Pune	Completed
DATA Entry Operator :	Govt. Of Maharashtra ITI, Parner, Dist-Ahmednagar	Completed
Certificate Course in Hardware	Maharashtra Board for Computer Training Mumbai	"A"
Certificate Course on Website Design	Online Course	Completed

Patent:

Sr. No.	Title of Patent	Application No.	Type	Status
01	Systematic Approach For Application	202241076941 A	Indian	Published

	Performance Index Evaluation Of Pure Electric Vehicle Based On Extensible Cloud Model			

EXPERIENCE:

Sr. No.	Post	Name of the Institute/College	Duration
Research			
01	Project Assistant	Project Assistant, Advanced Physics Laboratory, Department of Physics, University of Pune, Pune	07/07/2010 -20 May2012
02	Ph.D. Scholar	Department of Physics , Rajaram College, Kolhapur, Affiliated to Shivaji University, Kolhapur	01/07/2013 till date
Teaching			
01.	Lecturer (CHB)	Bhartiya Jain Sangathan's Art's, Commerce and Science Collage, Wagholi, Pune	08/09/2009-31/03/2010
02	Instructor	National Defence Academy, Khadakwasala Pune	20 March 2013 -17 May 2013
03	Assistant Teacher	Sau. H. G. Gaikwad Junior College, At/Post-Kasari, Tal-Shirur, Dist-Pune	01/07/2016 to 28/02/2014
04	Assistant Professor (CHB)	Rajaram College, Vidyanagar, Kolhapur	08 July 2014 to 31 March 2015
05	Assistant Professor (CHB)	Rajaram College, Vidyanagar, Kolhapur	03 July 2015 to 31 March 2016
06	Assistant Professor (CHB)	Rajaram College, Vidyanagar, Kolhapur	05 July 2016 to 31 March 2017
07	Assistant Professor	D. R. Mane Mahavidyalay, Kagal Kolhapur	01/07/2017-28/04/2018
08	Assistant Professor	D. R. Mane Mahavidyalay, Kagal Kolhapur	01/8/2018-30/07/2019
09	Assistant Professor	Rayat Shikshan Sanstha's, Dada Patil Mahavidyalaya, Karjat Dist-Ahmednagar	26/07/2019 to till date

BOOK/ BOOK CHAPTER PUBLISHED

Sr. No.	Title of Book/Book chapter/	ISSN/ISBN No.	Year of Publication
01	Chapter: Effect of different detergents on surface tension of water. Publisher: Book: Theory, Perspective and Practices Across Disciplines.	ISBN 978-93-5619-925-5	01/04/2022
02	Book: Thin Film Technologies and It's Novelties in Material Science	ISBN: 978-93-91768-93-5	May 2022

	Publisher: Bhumi Publisher, Kolhapur Chapter: Primary Results of LPG Sensing on Polypyrrole Sensing. (Pg 98-104)		
03	Book: Thin Film Technologies and It's Novelties in Material Science Publisher: Bhumi Publisher, Kolhapur Chapter: Physical Deposition Techniques for thin film formation. (Pg-13-20)	ISBN: 978-93-91768-93-5	May 2022

JOURNAL PUBLICATION (04):

2012(2)

- 1) "Deposition of Manganese Sulfide and Cadmium Doped Manganese Sulfide Thin Films" S. S. Kale, **V. K. Pandit**, H. M. Pathan, *AIP Conf. Proc.* **1451, 281 (2012); doi: 10.1063/1.4732441**
- 2) "Room Temperature oblique Deposition of Cd (OH)₂ Nanowire", **Vishal K. Pandit**, Habib, M. Pathan, *AIP Conf. Proc.* **1451, 284 (2012); doi: 10.1063/1.4732442**

2013(1)

- 1) "Employing Green Synthesized Silver Nanoparticles As Light harvesters In Nanostructured Solar cells" M. B. Rajendra Prasad, S. Deena, Ch. Rajesh, **Vishal K. Pandit**, and Habib M. Pathan, *Journal of Renewable and Sustainable Energy*, **5,2013, 031615 (IF-1.176)**

2017(1)

- 1) "**Chemically Synthesized Polyaniline Supercapacitor**" Nafeesa M. Soudagar, **Vishal K. Pandit**, Rahul B. Pujari, Kiran B. Chorghade, Chandrakant D. Lokhande, Sneha S. Joshi, International Journal of Engineering Research and Technology, ISSN0974-3154 Volume 10, No. 1(2017)

2020(1)

1. **Galvanostatically Deposited Polypyrrole Thin Films for Supercapacitor Application: Effect of Surfactant**, **Vishal K. Pandit**, Nafeesa M. Soudagar, Chandrakant D. Lokhande, Sneha S. Joshi, *Materials Today:Proceeding*, 23 (2020) 246-259.

Conference /Seminar/Symposium/workshop (19):

2009(2)

- 01) "Room Temperature Chemical Bath Deposition of CdS Thin Films" **Pandit V.K.** and Pathan H. M. Symposium on Nanomaterials and their Applications, Fergusson College, Pune. (04-06 March-2009)
- 02) "Studies on Chemically Deposited CdS/Cu_xS Heterojunction" **Pandit V.K.** and Pathan H. M. Raman Memorial Conference 2009, Dept. of Physics, UoP, Pune (26-27 Feb 2009)

2010(1)

- 01) M. B. Rajendra Prasad, **Pandit V.K.** and Pathan H. M., **National Seminar on nanomaterials for Devices: Characterization and Applications**, UoP and DIAT, Pune. (24-26 June 2010)

2011(07)

- 1) Improvement in Light Harvesting Efficiency of CdS Sensitized Solar Cells Using Dendritic Silver Nanoparticles" Mohanrao V. Mandke, Rajendra Prasad M B, **Vishal K. Pandit** and Habib M Pathan, "National Symposium on Recent Advances in Material and Devices for solar Energy Applications" New Delhi, (1-2 Sept 2011)
- 02) "Room Temperature oblique Deposition of Cd(OH)₂ Nanowire", **Vishal K. Pandit**, Habib, M. Pathan, "Indian Vacuum Society Symposium on Thin Film :Science and Technology(TFST-2011), BARC Mumbai (09 -12 Nov-2011)

- 03) "Deposition of Manganese Sulfide and Cadmium Doped Manganese Sulfide Thin Films" S. S. Kale, **Vishal. K. Pandit**, H. M. Pathan, "Indian Vacuum Society Symposium on Thin Film: Science and Technology (TFST-2011), BARC Mumbai (09 -12 Nov-2011)
- 04) "Inorganic-Organic Solar Cell: ITO/CdS/PANI/ITO" Shaikh S.M.F., **Pandit V.K.**, Mujawar S. S., Tabhane V.A. and Pathan H. M., "**ICCM-2011**, Nagpur (9-11Feb2011)"
- 05) "Chemical Synthesis of Cadmium Hydroxide Nanowires and Their Application in Glucose Detection" Meshram A. A., Chaware P. S., **Pandit V. K.**, Tabhane V. A. and Pathan H. M., "**ICCM-2011, Nagpur** (9-11, Feb-2011)"
- 06) "Photoelectrochemical Performance of Cadmium Sulfide: I" **Pandit V.K.** and Pathan H.M. "**ICCM-2011, Nagpur** (9-11, Feb-2011)"
- 07) "Photoelectrochemical Cell performance on (ITO, Cu/Zn)/CdS/Polysulfide" **Pandit V. K.** and Pathan H. M. "**ICNN-2011**" **Nanded** (11-13 Jan-2011)

2012(2)

- 01) Employing Green Synthesized Silver Nanoparticles as Light harvesters In Nanostructured Solar cells, Rajendra Prasad, S Deena, Cherukupalli Rajesh, **Vishal K. Pandit**, and Habib Pathan, International Conference On Solar Energy Photovoltaic (ICSEP-2012), Kalinga Institute of Industrial technology(KIIT), Bhubneswar, (19-21Dec 2012)
- 02) "Photoelectrical Characterization of Successive Layer Deposited CdZnS Films" **Vishal K Pandit** and Habib M. Pathan, "ICPM-MDF-2012" Shivaji University, Kolhapur [17-19 Jan-2012]

2013(1)

- 01) Room temperature electrodeposition of Hydrophobic CuInSe₂ films onto ITO coated Glass Substrate. **Vishal K. Pandit**, Habib M. Pathan, National Conference on Chemistry of Chalcogens, [NC³2013] DIAT, Pune-411025 (14-15Jan 2013)

2014(3)

- 01) Physico-chemical Properties of Polypyrrole thin films" **Vishal K. Pandit**, S.S. Joshi, C.D. Lokhande" 3rd National Seminar OnPhysics of Materials and Materials Based Device Fabrication [**3rd NSPM-MDF-2014**] Dept of Physics, Shivaji University, Kolhapur (**19-20Dec 2014**)
- 02) Thickness Dependent Physicochemical Properties of Polyaniline films"**Vishal K. Pandit**, N.M. Soudagar, K.B. Chorghade, S. S. Joshi, C.D. Lokhande, National Conference on Materials For Future Technology[NCMFT2014] Department of Physics, Rajaram College, Kolhapur (**26-27 Sept 2014**)
- 03) Synthesis and Characterization of Polyaniline thin film by Modified chemical bath deposition method ", N.M. Soudagar, **Vishal K. Pandit**, K.B. Chorghade, S. S. Joshi, C.D. Lokhande, National Conference on Materials For Future Technology[NCMFT2014] Department of Physics, Rajaram College, Kolhapur (**26-27 Sept 2014**)

2015(3)

- 01) Synthesis of Polypyrrole Films for Liquefied Petroleum Gas Sensor , **Vishal K. Pandit**, S. S. Joshi, C.D. Lokhande, Second International Symposium on Physics and Technology of Sensors [**ISPTS-2**], C-MET, Pune (**8-10 March 2015**)
- 02) Participated in One Day Workshop on "**Recent Trends In Research Application**" Organized by Department of Chemistry and Economics, Rajaram College, Kolhapur under Lead college scheme of G.K. Gokhale College, Kolhapur Cluster (**24 Feb 2015**)
- 03) Participation in Awareness workshop of UGC-DAE Consortium for Scientific Research, [**UGC-DAE CSR**] held at Rajaram College, Kolhapur (**20-21 Feb2015**)

2016(02)

- 1) **“One Day Workshop on Prime Minister’s Fellowship Scheme For Doctoral Research”** organized by DST-SERB & CII New Delhi and D.Y. Patil Education Society Deemed University Kolhapur, 25 November 2016
- 2) **“Entrepreneurship Development”** Workshop organized by Lead College Scheme-Shivaji University Kolhapur at Rajaram College Kolhapur. **07 October 2016**

2017(05)

1. **Familiarization Workshop on Patents and IPR** organized by Rajaram College, Kolhapur, 08 Feb 2017
2. **NCPRE Familiarization Workshop On Photovoltaics** held at IIT Bombay on 24 May 2017
3. **INUP Familiarization Workshop On Nanofabrication Technologies** held at IIT Bombay on 22-24 May 2017
4. **INUP Hands-On Training Workshop On Nanofabrication Technologies** held at IIT Bombay on 20-24 March, 2017
5. Enhancing gas sensing performance in polypyrrole/polyaniline heterojunction : effect of SDS surfactant on polypyrrole” Vishal K Pandit, Nafeesa M Saudagar, Kiran B Chorghade, Chandrakant D Lokhande, Sneha S Joshi, **“International Conference On Nanotechnology Addressing The Convergence Of Materials Science , Biotechnology And Medical Sciences(IC-NACMBM-2017), 9-11 November 2017.**

2018(2)

1. **Galvanostatically Deposited Polypyrrole Thin Films for Supercapacitor Application: Effect of Surfactant,** Vishal K. Pandit, Nafeesa M. Soudagar, Chandrakant D. Lokhande, Sneha S. Joshi , International conference on Materials and Environmental Science(ICMES 2018) held at Shivaji University, by Yashwantrao Patil Science college, Solankur and New College Kolhapur on 7-8 Dec 2018
2. Two Day workshop on **“Electrochemical Solutions for Energy Research & Education”** organize at School of Nanoscience and Technology, Shivaji University, Kolhapur during 5-6th Sept, 2018

PARTICIPATION AND OTHER ACTIVITIES

- 1) Personality Development Programme by Nehru Yuva Kendra, Ahmednagar (Ministry of Youth Affairs & Sports, Govt. of India) under the Ekta Yuva Gramin, Vikas Kendra & Matrix Computer Academy, Parner (21 Feb 2005)
- 2) **Participate** and Attended Workshop on “Improvement of Quality of Life” Jointly organized by the continuing Education Programme 2003-2004 of the Deptt. of Adult, Continuing Education and Extension of the University of Pune and New Art’s Commerce, and Science College , Parner (**28&29 Feb 2004**)
- 3) **“Chala Tarynana Bhetu Ya”** under the project of Science Awareness on Behalf of “International Year of Astronomy” organized by “Maharashtra Andhashraddha Nirmulan Samitee” at BJS’s Art’s Science and Commerce College, Wagholi, Pune. (**10 &11 October 2009**)
- 4) **Member of Organizing Committee** in UGC sponsored National conference on Materials for Future Technology [NCMFT-2014] Department of Physics, Rajaram College, Kolhapur (**26-27Sept 2014**)
- 5) **Member of Organizing Committee** International E-conference on Polymer and Nanocomposites 2021(**PN2021**), Department of Physics, Dada Patil Mahavidyalaya, Karjat. Date :28-30 July 2021
- 6) **Cordinator;** International e-conference on Medicine and Healthcare, Held on April 9, 2022, organized By: Engineered Science Publisher, USA.

Sr.	Contributi	Activity	Organizer	Date	Place
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No.	on/ participation				
01	Resource Person	One Day workshop for science awareness "I will be a Scientist"	"CONAC"* Kolhapur	14 Dec 2014	Kolhapur
02	Resource Person	"Vidnyan Ani Apan" On Occasion of "VACHAN PRERANA DIN"	"CONAC" Kolhapur	15 Oct 2015	Shrimant Jaysingh Rao Ghatage High School. Gokul Shirgaon , Klhapur
03	Volunteer	National Science Day	"CONAC" Kolhapur	7, 14, 21, and 28 Feb 2016	Kolhapur
05	Examiner	National Science Day	"CONAC" Kolhapur	15 and 22 Jan 2017	Department of Botany Shivaji University, Kolhapur
06	Volunteer	National Science Day	"CONAC" Kolhapur	15 and 22 Jan 2017	Department of Botany Shivaji University, Kolhapur
07	Volunteer	National Science Day	"CONAC" Kolhapur	14 and 21 Jan 2018	New College, Kolhapur
08	Examiner	Skill Achievement Competitions	Shree Shahaji Chhatrapati Mahavidyal ay Kolhapur	13 Jan 2017	Shree Shahaji Chhatrapati Mahavidyalay Kolhapur
08	Resource Person	Science Experiment for School	"CONAC" Kolhapur	31 Jan 2018	Kolhapur Public School, Kolhapur
09	Guest Lecturer/ Resource Person/ Invited talk	UGC sponsored NET Coaching Class for SC/ST and Minority Community M.Sc. student	Department of Physics, Shivaji University, Kolhapur	20 Jan 2018	Department of Physics, Shivaji University, Kolhapur

*** CONSORTIUM OF NATURE CONSERVATORS SOCIETY, KOLHAPUR**

Yours Sincerely

(Mr. Vishal Kashinath Pandit)