


Curriculum Vitae

1	Name	Dr. Vikas Baburao Patil			
2.	Permanent address	A/P-Undale, Tal- Karad, Dist-Satara, Maharashtra, India			
3.	Present Position	Professor & Head, Department of Physics Director, IQAC Punyashlok Ahilyadevi Holkar Solapur University, Solapur.			
4.	Educational Qualifications: M.Sc., Ph.D., F.M.A.Sc.				
	Sr. No.	Degree/Subject	Institute/ Department	University	Year
	1	B. Sc.(Physics)	Y.C. College, Karad, Dist-Satara	Shivaji University, Kolhapur	1995
	2	M. Sc.- Physics (Applied Electronics)	Shivaji University, Kolhapur	Shivaji University, Kolhapur	1997
	3	Ph. D.(Thin film solar cells)	Shivaji University, Kolhapur	Shivaji University, Kolhapur	Feb.2003
5.	Contact Details		Telephone : 0217-2744770 (Ext. 202)		
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6.	Teaching Experience		25 Yrs. (PG-23Yrs, UG-02 Yrs.)		
7.	Area of Specialization		Physics(Applied Electronics), Materials Science		
8.	Research Experience		26 Yrs.		
9.	Research Area		Conducting polymer based Gas Sensors and Supercapacitors, Hybrid Solar Cells.		
10.	Research Guidance:				
	Ph. D.		: Awarded - 15 , Working - 07		
11.	Research Publications:		i.International Journal Publications: 173 (Scopus), 184 (Google Scholar)		
			ii.National & International Conference Publications: 104		
			h- index- 51, Citations- 6510, i10 index-119		
			Total Impact factor- 624		
12.	No. of Books Published		08 Books (Research Monographs) -Lambert Academic Publishing,Germany		
			02 Book (B.Sc-III(Materials Science)- Text Book) Nirali Publication, Pune.		
			08 Book chapter -Nova publisher, New , Elsevier & Springer		

13.	Research Projects	<p>: 11 Completed: 07 UGC minor- 80,000/- + DST -11,13,600/- BRNS-26,91,500/- + UGC minor- 1,95,000/- + CSIR-10,56,000/- + BRNS-28,83,150/- + RUSA -15,00,000/- Ongoing: 04 RGSTC (04)- 14,40000, AKRUTI (03)-1,80,000 Total Research Grant Received: 1,11, 39, 250/-</p>
14.	Patents	<ol style="list-style-type: none"> 1) Ammonia Gas Sensor (Patent No. 388704 dated 03/03/2017) 2) Nitrogen Dioxide Gas Sensor (Patent No. 366644 dated 13/9/2020) 3) Process for Synthesis of TiO₂ nanoparticles (Patent No. 382937 dated 29/11/2021) 4) A Process for Synthesis of Cerium Oxide Nanoparticles for Gas Sensing (POJ No.33/2022 No. 51860 Published on 19/8/22)
15.	Member of various Authorities, Bodies & Committees	<ol style="list-style-type: none"> 1) Member-Semiconductor Society of India, New Delhi-2009. 2) Active member - Society for Advancement of Electrochemical Science and Technology, Karaikudi (T.N) 2009. 3) Member - American Association for the Advancement of Science, 2010 4) Fellow- Maharashtra Academy of Science, 2016. 5) Member-American Chemical Society, 2016. 6) Member-International Association of Advanced Materials, 2016 7) Member-Editorial board- Avishkar Research Journal, SUS. 8) Member- IPR Cell, SUS. 9) Member-Maharashtra State Pathya Pustak Nirmiti & Syllabus Research Board, Balbharati, Pune-2019 10) Chairman - BOS- Physics –PAH SUS (2020 to till date) 11) Chairman–BOS-Nanotechnology-Solapur University(2018-2021) 12) Member- BOS-Applied Electronics-Gulbarga University, Gulbarga (2018 to till date). 13) Member- BOS-Physics-SGM College (Autonomous),Karad (2019 to till date). 14) Member- BOS-Physics-KBP College (Autonomous),Vashi, Navi Mumbai. (2018 to 2021) 15) Member-BOS-Electronics (Vocational) Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2018 to tilldate). 16) Member-BOS –Physics–TC College, Baramati, Pune (2018 to till date). 17) Member-BOS –Physics-Shahu College, Latur (2018 to till date).

16.	Administrative Experience	<ol style="list-style-type: none"> 1) Acted I/C. Vice Chancellor, Solapur University, Solapur. 2) I/C. Pro Vice-Chancellor, PAH Solapur University, Solapur. (7/12/2021 to 06/09/2022) 3) Acted Officer on Special Duty (Pro-VC Office Charge) - Academic, Research & Development (Since 1st March 2017 to 31stDecember 2018) 4) Acted I/C. Registrar, –Solapur University. 5) Chairman- Board of Dean- Solapur University (From 1st March 2017 to 31stDecember 2018 & 7/12/2021 to 06/09/2022). 6) Director, School of Physics Sciences (08/08/2019 to 07/08/2022) 7) Head, Department of Physics, (08/08/2019 to Till date) 8) Head, Department of Physics (Materials Science)- 2015 to 2019 9) I/C. Head, Department of Electronics (Comm. Science) 2012- 2015. 10) Member -Senate SUS (Feb-2017 up to August 2017). 11) Member-Research Recognition Committee in Physics, SUS (From 2016 to till date) 12) Member-BUTR Science, SUS (2014-16). 13) RUSA Coordinator, SU Solapur (2015-2018). 14) Program Officer –NSS , Solapur University School Unit (2014-2017). 15) Member-Academic Council, SUS (2018 to 31/08/2022) 16) Member-Management Council, SUS (Aug.2019 to Aug.2020) 17) Director- Research & Development Cell-PAH Solapur University. 18) Member Secretary IPR Cell, PAH Solapur University.
17.	Awards, Fellowships and Recognition	<ol style="list-style-type: none"> 1) International Innovation & Research Excellence Award 2021. 2) Included in World Top 2 % Scientist in Physics by AD Scientific Index & Stanford University, 2021 and 2022 3) Best Teacher Award-Solapur University, Solapur (2018) 4) Shikshak Ratna Award- Lokmangal Foundation Solapur (2018). 5) Pradynavant Purskar- Swa. Dada Undalkar Smarak Samiti, Undale, Tal- Karad, Dist- Satara. 6) Young Scientist Fellowship, Department of Science and Technology, New Delhi, March 2008. (Research Project of 7) 11.13 Lakh sanctioned under FAST TRACK YOUNG SCIENTIST Scheme). 8) Summer Research Fellowship - Physical Research Laboratory, Ahmadabad 6th May - 5th June 2004. 9) Summer Research Fellowship - Indian Academy of Sciences, to work at Indian Institute of Science, Bangalore during 2th May -3th July 2006.

		<p>10) Visiting Fellowship - Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore, (DST, Government of India) 2006-2007.</p> <p>11) Summer Research Fellowship - Indian Academy of Sciences, INSA to work at BARC, Mumbai during 4h May-3th July 2008.</p> <p>12) Teachers Merit Prize –1994-Stood first in B.Sc. II(All subjects), Yashwantrao Chavan College of Science, Karad,</p> <p>13) Principal Raverkar Award - 1995-Stood first in B.Sc.III. Physics, Y. C. College of Science, Karad. Teachers Merit Prize-1995- Stood first in B.Sc. III (All subjects). Y.C. College of Science, Karad,</p> <p>14) Honored as a Best Project guide at DEPEX- 99, Nashik. (M.S).</p> <p>15) Best Oral Research paper presentation award at National Conference on Current Trends in Materials Research for Advanced Technology (NCMRAT-2007), Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. Jan.2007</p>
18.	Abroad Visits	<p>1) University of Remis, Paris, France (Invited talk IFCPAR) 10-12th Feb.2015.</p> <p>2) 16th International Meeting on Chemical Sensors (IMCS-2016) 10-13th July 2016, Jeju, South Korea.</p>
19	Invited Talks	<p>1) International Conferences: 34</p> <p>2) National Conferences: 26</p>
20	Others	<p>1) Developed room temperature high temperature gas sensor unit, Thermoelectric Power & Electrical Conductivity measurement unit and technology transferred to M/s. Century Cooling Engineering System Pvt. Ltd. Solapur.</p> <p>2) Referee for Ph. D thesis evaluation-(63) SPPU Pune, Shivaji University, Kolhapur, Dr. BAMU, Aurangabad, SRTM Nanded, KBCNMU, Jalgaon, RSTM Nagpur, Central University, Kerala, DCSTU, Hisser, Haryana, VIT, Vellore, Guhati University, Saurashtra University, Rajkot .</p>