


## Curriculum Vitae

<b>1</b>	<b>Name</b>	: <b>Dr. Vikas Baburao Patil</b>			
<b>2.</b>	<b>Permanent address</b>	:A/P-Undale, Tal- Karad, Dist-Satara, Maharashtra, India			
<b>3.</b>	<b>Present Position</b>	: <b>I/C Pro Vice-Chancellor</b> Punyashlok Ahilyadevi Holkar Solapur University, Solapur. <b>Director, School of Physical Sciences</b> <b>Professor &amp; Head ,</b> Department of Physics <b>Director, IQAC</b> Punyashlok Ahilyadevi Holkar Solapur University, Solapur.			
<b>4.</b>	<b>Educational Qualifications: M.Sc., Ph.D., F.M.A.Sc.</b>				
	<b>Sr. No.</b>	<b>Degree/Subject</b>	<b>Institute/ Department</b>	<b>University</b>	<b>Year</b>
	1	B. Sc.(Physics)	Y.C. College, Karad, Dist-Satara	Shivaji University, Kolhapur	1995
	2	M. Sc.- Physics ( Applied Electronics)	Shivaji University, PGTC,Solapur	Shivaji University, Kolhapur	1997
	3	Ph. D.(Thin film solar cells)	Shivaji University, PGTC,Solapur	Shivaji University, Kolhapur	Feb.2003
<b>5.</b>	<b>Contact Details</b>		: <b>Telephone : 0217-2744770 (Ext. 202)</b>		
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<b>6.</b>	<b>Teaching Experience</b>		: <b>25Yrs. (PG-23Yrs, UG-02 Yrs.)</b>		
<b>7.</b>	<b>Area of Specialization</b>		: <b>Physics( Applied Electronics), Materials Science</b>		
<b>8.</b>	<b>Research Experience</b>		: <b>26 Yrs.</b>		
<b>9.</b>	<b>Research Area</b>		: <b>Conducting polymer based Gas Sensors and Supercapacitors, Hybrid Solar Cells.</b>		
<b>10.</b>	<b>Research Guidance:</b>				
	Ph. D.		: <b>Awarded - 12 , Submitted- 02 Working -04</b>		
<b>11.</b>	<b>Research Publications:</b>		<b>i) International Journal Publications: 176 (Scopus),</b> <b>184 (Google Scholar)</b> <b>ii) National &amp; International Conference Publications: 104</b> <b>h- index- 48, Citations- 5744, i10 index-114</b> <b>Total Impact factor- 542</b>		
<b>12.</b>	<b>No. of Books Published</b>		: <b>08 Books ( Research Monographs) -Lambert Academic Publishing ,Germany</b> <b>02 Book ( B.Sc-III(Materials Science)- Text Book)-</b> <b>Nirali Publication, Pune.</b> : <b>08 Book chapter -Nova publisher, New , Elsevier &amp; Springer</b>		

13.	<b>Research Projects</b>	<b>: Completed : 07</b> 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/- <b>Ongoing: 04</b> RGSTC,-03(10,00000) , Uddyam SUI -01 (5,00000) <b>Total Research Grant Received : ~ 1,15, 00, 000/-</b>
14.	<b>Patents</b>	<b>03 :</b> 1) Ammonia Gas Sensor (No. 2017210076, Published date 03/03/2017) 2) Nitrogen Dioxide Gas Sensor ( 201921030831A Granted dated 13/9/2020 ) 3) Process for Synthesis of TiO <sub>2</sub> nanoparticles (202121019412A Granted).
15.	<b>Member of various Authorities, Bodies &amp; Committees</b>	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) <b>Fellow- Maharashtra Academy of Science, 2016.</b> 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 ) 10) Chairman–BOS-Nanotechnology-Solapur University(2018-21) 11) Member- BOS-Applied Electronics-Gulbarga University, Gulbarga (2018 to till date). 12) Member- BOS-Physics-SGM College (Autonomous), Karad (2019 to till date). 13) Member- BOS-Physics-KBP College( Autonomous), Vashi, Navi Mumbai. (2018 to 2021) 14) Member-BOS-Electronics (Vocational) Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2018 to till date). 15) Member-BOS –Physics–TC College, Baramati, Pune(2018 to till date). 16) Member-BOS –Physics-Shahu College, Latur (2018 to till date). .
16.	<b>Administrative Experience</b>	<b>: 1) Acted I/C. Vice Chancellor, Solapur University, Solapur. ( 25/5/2018 To 10/6/2018 (15 Days), 13/9/2018 To 17 /9/2018 (05 Days), 30/11/2018 To 3/12/2018 (04 Days).</b> 2) Acted Officer on Special Duty- Academic , Research &

		<p>Development ( Since 1<sup>st</sup> March 2017 to 31<sup>st</sup>December 2018 )</p> <p>3) Acted I/C. Registrar, –Solapur University.</p> <p>4) Chairman- Board of Dean- Solapur University ( From 1<sup>st</sup> March 2017 to 31<sup>st</sup>December 2018).</p> <p>5) Head, Department of Physics (Materials Science)- 2015 to 2019</p> <p>6) I/C. Head, Department of Electronics (Comm. Science) - 2012-2015.</p> <p>7) Member -Senate SUS (Feb-2017 up to August 2017).</p> <p>8) Member-Research Recognition Committee in Physics, SUS(From 2016 to till date )</p> <p>9) Member-BUTR Science, SUS (2014-16).</p> <p>10) RUSA Coordinator, SU Solapur (2015-2018).</p> <p>11) Program Officer –NSS , Solapur University School Unit (2014-2017).</p> <p>12) Member-Academic Council, SUS(2018 to till date)</p> <p>13) Member-Management Council, SUS(Aug.2019 to Aug.2020)</p> <p>14) I/C. Pro Vice-Chancellor, PAH Solapur University, Solapur. (7/12/2021 till date)</p>
17.	<p><b>Awards, Fellowships and Recognition</b></p>	<p>: * <b>International Innovation &amp; Research Excellence Award 2021.</b></p> <p>* <b>Included in World Top 2 % Scientist in Physics by AD Scientific Index &amp; Stanford University, 2021.</b></p> <p>i) Best Teacher Award-Solapur University, Solapur ( 2018)</p> <p>ii) Shikshak Ratna Award- Lokmangal Foundation Solapur (2018).</p> <p>iii) Pradynavant Purskar- Swa. Dada Undalkar Smarak Samiti, Undale, Tal- Karad, Dist- Satara.</p> <p>iv) Young Scientist Fellowship, Department of Science and Technology, New Delhi, March 2008. (Research Project of 11.13 Lakh sanctioned under FAST TRACK YOUNG SCIENTIST Scheme).</p> <p>v) Summer Research Fellowship - Physical Research Laboratory, Ahmadabad 6<sup>th</sup> May - 5<sup>th</sup> June 2004.</p> <p>vi) Summer Research Fellowship - Indian Academy of Sciences, to work at Indian Institute of Science, Bangalore during 2<sup>th</sup> May -3<sup>th</sup> July 2006.</p> <p>vii) Visiting Fellowship - Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore, (DST, Government of India) 2006-2007.</p> <p>viii) Summer Research Fellowship - Indian Academy of Sciences, INSA to work at BARC, Mumbai during 4<sup>th</sup> May -3<sup>th</sup> July 2008.</p> <p>ix) Teachers Merit Prize –1994-Stood first in B.Sc. II(All subjects), Yashwantrao Chavan College of Science, Karad,</p> <p>x) Principal Raverkar Award - 1995-Stood first in B.Sc.III. Physics, Y. C. College of Science, Karad.</p> <p>xi) Teachers Merit Prize-1995- Stood first in B.Sc. III(All</p>

		subjects). Y.C. College of Science, Karad, xii) Honored as a Best Project guide at DEPEX- 99, Nashik.
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		(M.S). xiii) 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.
<b>18.</b>	<b>Abroad Visits</b>	: 1)University of Remis, Paris, France ( Invited talk IFCPAR)- 10-12 <sup>th</sup> Feb.2015. 2)16 <sup>th</sup> International Meeting on Chemical Sensors(IMCS-2016) 10-13 <sup>th</sup> July 2016, Jeju, South Korea.
<b>19.</b>	<b>Invited Talks</b>	1) International Conferences: 34 2) National Conferences: 26
<b>20.</b>	<b>Others</b>	2) 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. 2) Referee for Ph. D thesis evaluation- Shivaji University, Kolhapur ( 14),Dr. BAMU, Aurangabad (15), KBCNMU, Jalgaon (07),SRTM Nanded 09), RSTM Nagpur (02), SPPU Pune (04), Central University , Kerala(01), DCSTU, Hisser, Haryana(01), VIT, Vellore (01), Guhati University(01)