


Curriculum Vitae

1	Name	Dr. Vikas Baburao Patil			
2.	Permanent address	A/P-Undale, Tal- Karad, Dist-Satara, Maharashtra, India			
3.	Present Position	Director, Innovation, Incubation & Linkages Director- School of Life Science Professor & Head, Department of Physics 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)		
			Mobile No.: 9422532521		
			Email : drvbpatil@gmail.com / vbpatil@sus.ac.in		
6.	Teaching Experience		29 Yrs. (PG-27 Yrs, UG-02 Yrs.)		
7.	Area of Specialization		Physics (Applied Electronics), Materials Science		
8.	Research Experience		29 Yrs.		
9.	Research Area		Conducting Polymers, Metal Oxides , 2D Materials, Hybrid Materials, Gas Sensors , Bio Sensors Supercapacitors, Hybrid Solar Cells.		
10.	Research Guidance:				
	Ph. D.		: Awarded - 18, Working -06		
11.	Research Publications:		1) International Journal Publications: 194 (Scopus), 214 (Google Scholar) 2) National & International Conference Publications: 104 h- index- 56, Citations- 8980, i10 index-156 Total Impact factor- 724		
12.	No. of Books Published		08 Books (Research Monographs) -Lambert Academic Publishing, Germany 03 Book (B.Sc-III(Materials Science)- Text Book) Nirali Publication, Pune, Engineering Physics-II ,Mumbai University, Planet Publishing Hyderabad. 11 Book chapter -Nova, Elsevier & Springer Publishers.		

13.	Research Projects	<p>: 13 Completed: 10 (Rs.70,05,100) UGC - 80,000/- + DST -11,13,600/- BRNS-26,91,500/- + UGC - 1,95,000/- + CSIR-10,56,000/- + BRNS-28,83,150/- + RUSA - 15,00,000/- + RGSTC (02) - 14,40000/-, AKRUTI -1,80,000/- Ongoing: 03 (2.4829 Cr) International Project (INTI International University, Malaysia-(02) - 15,29,000/- Biotechnology Industrial Research Council (BIRAC) -2.33 Cr Total Research Grant Received: Rs.3,18,34,100/-</p>
14.	Patents	<p>: 04 Granted, 01 Filed</p> <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 (Patent No.452559 dated 18/9/23). 5) Design and Development of Soil Moisture Sensor for Smart Irrigation Monitoring and Controlling System (Filed-2024).
15.	Member of various Authorities, Bodies & Committees	<ol style="list-style-type: none"> 1) Member-Academic Council, Walchand Arts and Science Autonomous College, Solapur (2022 to till date). 2) Member-Academic Council, Sangameshwar Autonomous College, Solapur (2022 to till date). 3) Member-BOS-Physics, PAH Solapur University Solapur (2023 to till date). 4) Member-BOS Allied Health Science PAH Solapur University Solapur (2023 to till date). 5) Member-BOS-Physics-Shivaji University Kolhapur (2023 to till date). 6) Member-BOS-Physics-Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2023 to till date). 7) Member-BOS-Electronics-Swami Ramanand Teerth Marathwada University, Nanded (2023 to till date). 8) Member-BOS –Physics-Shahu College, Latur (2018 to till date). 9) Member- BOS-Physics-SGM College (Autonomous),Karad (2019 to till date). 10) Chairman - BOS- Physics –PAH SUS (2020 to 2022) 11) Member- BOS-Applied Electronics-Gulbarga University, Gulbarga (2018 to 2022). 12) Member-BOS-Electronics (Vocational) Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2018-2022). 13) Member-BOS –Physics–TC College, Baramati, Pune (2018 -2022). 14) Chairman–BOS-Nanotechnology-Solapur University (2018-2021). 15) Member- BOS-Physics-KBP College (Autonomous), Vashi, Navi Mumbai. (2018 - 2021).

		<p>16) Member-Maharashtra State Pathya Pustak Nirmitti & Syllabus Research Board, Balbharati, Pune-2019.</p> <p>17) Fellow- Maharashtra Academy of Science, 2016.</p> <p>18) Member-American Chemical Society, 2016.</p> <p>19) Member-International Association of Advanced Materials, 2016.</p> <p>20) Member - American Association for the Advancement of Science, 2010</p> <p>21) Member-Semiconductor Society of India, New Delhi-2009.</p> <p>22) Active member -Society for Advancement of Electrochemical Science and Technology, Karaikudi (T.N) 2009.</p> <p>23) Member-Editorial board- Avishkar Research Journal, SUS.</p> <p>24) Member- IPR Cell, SUS.</p> <p>25) Observer - Maharashtra State Eligibility Test (SET).</p> <p>26) Member-Governing Body Autonomous Department of Physics, Shivaji University, Kolhapur. (2024)</p> <p>27) NAAC Peer Team Member</p>
16.	Administrative Experience	<p>1) Acted I/C. Vice Chancellor, Solapur University, Solapur.</p> <p>2) I/C. Pro Vice-Chancellor, PAH Solapur University, Solapur. (7/12/2021 to 06/09/2022)</p> <p>3) Acted Officer on Special Duty (Pro-VC Office Charge) - Academic, Research & Development (Since 1st March 2017 to 31stDecember 2018)</p> <p>4) Acted I/C. Registrar, –Solapur University.</p> <p>5) Member -Senate SUS (Feb-2017 up to August 2017).</p> <p>6) Member-Academic Council, SUS (2018 to 31/08/2022).</p> <p>7) Member-Management Council, SUS (Aug.2019 to Aug.2020).</p> <p>8) I/C Director-Innovation, Incubation & Linkages (2024 to till date)</p> <p>9) Director IQAC, PAH Solapur University. (2021 to 2023)</p> <p>10) Member, State Level Quality Assurance Cell, Government of Maharashtra (2023)</p> <p>11) Coordinator Rajiv Gandhi Science & Technology Commission Mumbai.</p> <p>12) Chairman- Board of Dean- Solapur University (From 1st March 2017 to 31st December 2018 & 7/12/2021 to 06/09/2022).</p> <p>13) Director, School of Physics Sciences (08/08/2019-07/08/2022)</p> <p>14) Head, Department of Physics, (08/08/2019 to till date).</p> <p>15) Head, Department of Physics (Materials Science) 2015 – 2019.</p> <p>16) I/C. Head, Department of Electronics (Comm. Science) 2012-2015.</p> <p>17) Member-Research Recognition Committee in Physics, SUS (From 2016 -2022).</p> <p>18) Member-Research Recognition Committee in Physics & Nano Science, Shivaji University, Kolhapur (2023 Onwards)</p> <p>19) Member-BUTR Science, SUS (2014-16).</p> <p>20) RUSA Coordinator, SU Solapur (2015 to till date).</p> <p>21) Program Officer –NSS , Solapur University School Unit</p>

		<p>(2014-2017).</p> <p>22) Director- Research & Development Cell-PAH Solapur University (2022 to till date).</p> <p>23) Member Secretary IPR Cell, PAH Solapur University (2021 to till date).</p> <p>24) I/C. Director-School of Life Sciences (June 2023 to till date)</p>
17.	Awards, Fellowships and Recognition	<ol style="list-style-type: none"> 1) Visiting Research Fellow - INTI International University Malaysia from (01st April 2023 to 31th December 2025) 2) International Innovation & Research Excellence Award 2021. 3) Included in World Top 2 % Scientist in Physics by AD Scientific Index & Stanford University, 2021, 2022,2023. 4) Best Teacher Award-Solapur University, Solapur (2018) 5) Shikshak Ratna Award- Lokmangal Foundation Solapur (2018). 6) Pradynavant Purskar- Swa. Dada Undalkar Smarak Samiti, Undale, Tal- Karad, Dist- Satara. 7) 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). 8) Visiting Research Fellowship - Physical Research Laboratory, Ahmadabad 6th May - 5th June 2004. 9) Visiting Research Fellowship - Indian Academy of Sciences, to work at Indian Institute of Science, Bangalore during 2nd May - 3rd July 2006. 10) Visiting Fellowship - Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore, (DST, Government of India) 2006-2007. 11) Visiting Research Fellowship - Indian Academy of Sciences, INSA to work at BARC, Mumbai during 4th May-3th July 2008. 12) Teachers Merit Prize –1994-Stood first in B.Sc.II (All subjects),Yashwantrao Chavan College of Science, Karad. 13) Principal Raverkar Award - 1995-Stood first in B.Sc.III. Physics, Y. C. College of Science, Karad. 14) Teachers Merit Prize-1995- Stood first in B.Sc. III (All subjects). Y.C. College of Science, Karad. 15) Honored as a Best Project guide at DEPEX- 99, Nashik. (M.S). 16) Best Oral Research paper presentation award at National Conference on Current Trends in Materials Research for Advance Technology (NCMRAT-2007), Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. Jan.2007
18.	Abroad Visits	<ol style="list-style-type: none"> 1) University of Remis, Paris, France (Invited talk IFCPAR) 10-12th Feb.2015. 2) 16th International Meeting on Chemical Sensors (IMCS-2016) 10-13th July 2016, Jeju, South Korea. 3) Visiting Research Fellow - INTI International University Malaysia-1st April 23 to 31st December 2025.

		4) INTI International University Malaysia (Keynote Speaker ICGSTM-2024) 18 th June 24 to 22 nd December 2024.
19	Invited Talks	1) National /International Conferences/ Workshops :124
20	Reviewers	Reviewer for J. Sensors Actuators B Chemical, ACS Applied Materials & Interfaces, ACS Applied Nanomaterials, ACS Sensors, RSC Advances, RSC Omega, J. Alloys & Compounds, J. Materials Science, Materials in Electronics, J. Materials Physics & Chemistry, J. Synthetic Metals, J. Applied Surface Science, J. Ceramic International, IEEE Sensors etc.
21	Editor	Associate Editor - J. Fine Chemical Engineering, Singapore, ISSN: 2717-5677 (Print) 2717-5685 (Online) Editorial Member - J. Chem Advances, USA
22	Collaborations	National Dong Hwa University, Taiwan, Yonsei University, South Korea, Hanyang University, Seoul, South Korea, Yeungenum University, South Korea, Korea University, South Korea, Shenzhen University, Shenzhen, China, King Khalid University, Saudi Arabia, INTI International University, Malaysia, University of Granada, Granada, Spain. Bhaba Atomic Research Centre, Mumbai, Shivaji University, Kolhapur, SRTM University, Nanded, Savitribai Phule Pune University, Pune. Dr. Babasaheb Ambedkar Marathwada University, Chh.Sambhajinagar.
23	Others	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. 2) Referee for Ph. D thesis evaluation-(More than 100) SPPU Pune, Mumbai University, Shivaji University, Kolhapur, Dr. BAMU, Aurangabad, SRTM Nanded, KBCNMU, Jalgaon, RSTM Nagpur, Central University, Kerala, DCSTU, Hissar, Haryana, VIT, Vellore, Guhati University, Saurashtra University, Rajkot, Bangalore University, Osmania University Hyderabad etc.