



DR.VANDANA B. PATIL

Assistant Professor

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My Portfolio

ABOUT ME

Ph.D. in Physics and accomplished Assistant Professor deeply committed to inspiring students and advancing research. I currently serve as President of the Innovation and Development Cell at my Institute, leading initiatives driving creativity and technological progress. A versatile educator and leader, combining academic excellence with a passion for cultivating innovation in the educational landscape.

ORCHID Id: 0000-0001-8729-4176 Vidwan Id: 174420 Score : 7.2/10

Patent Published: 04 Published Copy Right:01

GSCI Citations :350 h-index:11 I index:11

Patent Granted: 03 (German and South African)

EDUCATION

PhD in Physics
SGPA-4.5/5
Solapur University
2017

MSc (with First Class) in Physics-68.96%
Shivaji University,Kolhapur
2005 - 2007

BSc (First Class with Distinction) in Physics
77.60%
Shivaji University,Kolhapur
2002 - 2005

EXPERTISE

- Nanotechnology
- Innovation

BOOKS PUBLICATION/PRE-PRINTS

1.Feb:2023 - Redefining Virtual Teaching Learning Pedagogy -Chapter Name and No :16: Performance and Security Issues Management During Online Classes
DOI: [10.1002/9781119867647.ch16](https://doi.org/10.1002/9781119867647.ch16)
Publisher: Wiley Publisher

2. Feb 2023- Chapter 3and Name: Blockchain, IoT, and AI for Supply Chain Management, Complete Scenario for Supply Chain Management using IoT and 5G
DOI :
Publisher: CRC Press, Taylor and Franchise

3. 2022-Innovation, Business to Society by Redshine Publisher

4. 2022-23 Engineering Physics Techknowledge publication

WORK EXPERIENCE

Jan 2017- Present
Dr. D.Y. Patil Institute of Engineering Management and Research, Pune
Assistant Professor

2009 - 2012
Dr. D.Y. Patil College of Engineering, Pune
Assistant Professor

REFERENCES

Dr. N. L. Tarwal
SERB Scientist & Assistant Professor
Department of Physics
Shivaji University,Kolhapur
Email : nlt.phy@unishivaji.ac.in

Dr. P. S. Patil
Pro Vice-Chancellor
Shivaji University,Kolhapur
Email : psp_phy@unishivaji.ac.in

Sr no.	Patent Idea/Copyright	Patent ID no.	Status with Date
1.	Smart pen to detect Mental focus and Concentration with Pressure Sensors on Grip	GO6F310354 AND 202022100433	International German Granted for 20 years 31//1/2022
2.	Intelligent Management System For Electricity Power Settlement Of Electric Energy Power Station Using Blockchain & Machine Learning	2022/11105	International , South African
3.	A system to Harvest Electrical Energy	202221007222	International
4.	A Portable Solar Lamp	202221007372	International Published
5.	A Smart Trolley	202221007373	International Published
6.	Waste Heat Of Gas Stove and Chulhas Electricity generating device from While cooking	201821005138	International Published
7.	An Artificial intelligence based biomedical sensing system for high throughput biomedical testing : physics	202141049862	International Published
8.	Portable hitch mounted cargo carrier	364402-001	International Published
9.	A scientific image processing methodology for a particular focus on single particle reconstruction from transmission electron microscopy (TEM) images is filled successfully.	3041/2022-CO/L	Published
10.	Web Intur	23931/2021-CO/L	Published