

## CURRICULUM VITAE



### PERSONAL DETAILS

1. **Name** : Dr. Vinayak Shivaji Pawar
2. **Permanent Address** : 12/531, R.P. Road,  
Near Birdev Bank, Ichalkaranji-416115.
3. **Designation** : Assistant Professor (C. H. B)
4. **Qualification** : M. Sc. (Physics), SET, GATE, JEST, Ph. D.
5. **Mobile Number** : 8180967669
6. **e-mail** : [pvinayak616@gmail.com](mailto:pvinayak616@gmail.com)
7. **Vidwan Id** : 363782
8. **Date of Birth** : 03-12-1993
9. **Gender** : Male

### EDUCATIONAL QUALIFICATION:

Degree /Qualification	School/ College/Institute	Board/ University	Passing Year	Class & Percentage	Specialization
Ph.D.	Shivaji University, Kolhapur.	Shivaji University, Kolhapur.	2022	-	Theoretical Physics
M. Phil.	-	-	-	-	-
SET	Savitribai Phule University, Pune.	Savitribai Phule University, Pune.	2018	-	Physical Science
NET	-	-	-	-	-
M.Sc.	Kasturbai Walchand College, Sangli	Shivaji University, Kolhapur.	2016	First Class 66.71 %	Solid State Physics
B.Sc.	D.K.A.S.C College, Ichalkaranji	Shivaji University, Kolhapur.	2014	Distinction 89.12 %	Physics
HSC	Vyankatrao high school and Jr. College, Ichalkaranji	Pune Division Board	2011	First Class 75.50 %	Physics, Chemistry, Mathematics

SSC	Vyankatrao high school and Jr. College, Ichalkaranji	Kolhapur Division Board	2009	Distinction 86.92%	Marathi, English, Sanskrit, History, Science, Mathematics
Joint Entrance Screening Test (JEST)			2019	AIR-369	Physics
GATE	Indian Institute of Technology	IIT,	2018	AIR-1970	Physics
GATE	Indian Institute of Technology		2019	AIR-2095	Physics
GATE	Indian Institute of Technology		2020	AIR-798	Physics
GATE	Indian Institute of Technology		2021	AIR-855	Physics

**10. Ph.D. thesis title** : Theoretical Investigations Of Self-Focusing/Defocusing of Finite Airy-Gaussian Mode Laser Beams in Anisotropic and Absorbing Plasma Media

**Guide's Name** : Dr. S. R. Kokare

**11. Research Specializations** : Theoretical Physics

**12. Awards/Achievements: First Rank** in Poster presentation of International conference on RAFAS-2021 Organized by Department of Physics, Lovely Professional University, Punjab. Held From 25<sup>th</sup> – 27<sup>th</sup> July 2021. The presented poster was based on “*Nonlinear Propagation of Gaussian Laser beams in Magnetized Plasma: Effect of Oblique Magnetic Field*”.

**13. Date of recognition as PG teacher** (if applicable) :

**14. Date of recognition as Research Guide** (if applicable):

**15. Number of students completed M. Phil. /Ph.D. degree under your supervision**

**16. Number of Research Students currently working under your supervision :**

**17. Teaching Experience:** 06 years 10 months

**UG level:** 06 years, 10 months

**PG level:**.....years.....months

Sr. No.	Designation / Post held	Name of the College / Institute	Nature of appointment	Period		Experience in Years
				From	to	
1.	Assistant Professor	D.K.A.S.C College, Ichalkaranji	Clock Hour Basic	June 2016	Till date	06 years, 10 months
<b>Total</b>						06 years, 10 months

**Experience in this College:**06 years, 10 months

**1. Research Articles Published :(05)**

**Total citations: .....** (Google scholar)

**h-index: .....**(Google scholar)

**Link to the Google scholar account:**

Sr. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number		
							Link to website of the Journal	Link to article / paper / abstract of the article	Is it listed in UGC Care list
1.	Domains of modulation parameter in the interaction of finite Airy–Gaussian laser beams with plasma	<u>V. S. Pawar</u> <sup>1</sup> , S. R. Kokare <sup>2</sup> , S. D. Patil <sup>3</sup> and M. V. Takale <sup>4</sup>	1. D.K.A.S.C College, Ichalkaranji, 2. Raje Ramrao Mahavidyalaya, Jath. 3. Devchand College, Arjunnagar 4. Shivaji University, Kolhapur	<i>Laser and Particle Beams</i>	2020	14698 03X	<a href="https://doi.org/10.1017/S026303462000270">https://doi.org/10.1017/S026303462000270</a>		YES
2.	Relativistic self-focusing of finite Airy-Gaussian laser beams in cold	<u>V. S. Pawar</u> <sup>1</sup> , P. P. Nikam <sup>2</sup> , S. R. Kokare <sup>3</sup> , S. D.	1. D.K.A.S.C College, Ichalkaranji, 2. Devchand College, Arjunnagar 3. Raje Ramrao	<i>Journal of Optics</i>	2021	2040-8986	<a href="https://doi.org/10.1007/s12596-021-00718-7">https://doi.org/10.1007/s12596-021-00718-7</a>		YES

	quantum plasma	Patil <sup>2</sup> and M. V. Takale <sup>4</sup>	Mahavidyalaya, Jath. 4. Shivaji University, Kolhapur						
3.	Effect of asymmetry modulation parameter on self-focusing asymmetric finite Airy–Gaussian laser beam in collisionless plasma	P. P. Nikam <sup>1</sup> , <b>V. S. Pawar</b> <sup>2</sup> , P. T. Takale <sup>3</sup> , K. Y. Khandale <sup>3</sup> , S. S. Patil <sup>1</sup> , M. B. Mane <sup>1</sup> , S. D. Patil <sup>1</sup> and M. V. Takale <sup>3</sup>	1. Devchand College, Arjunnagar 2. D.K.A.S.C College, Ichalkaranji, 3. Shivaji University, Kolhapur	<i>Indian Journal of Pure and Applied Physics</i>	2022	0975-1041	10.56042/ijpap.v60i7.62040		YES
4.	On the Exploration of q-Gaussian laser beam in Underdense Collisionless Plasma	K.Y. Khandale <sup>1</sup> , P.T. Takale <sup>1</sup> , T. U. Urunkar <sup>1</sup> , S. S. Patil <sup>2</sup> , P. P. Nikam <sup>2</sup> , M. B. Mane <sup>2</sup> , <b>V. S. Pawar</b> <sup>3</sup> , S. D. Patil <sup>2</sup> , M. V. Takale <sup>2</sup>	1. Shivaji University, Kolhapur. 2. Devchand College, Arjunnagar 3. D.K.A.S.C College, Ichalkaranji.	<i>Bulgarian Journal of physics</i>	2022	1310-0157	<a href="https://doi.org/10.55318/bgjp.2022.49.4.375">https://doi.org/10.55318/bgjp.2022.49.4.375</a>		YES
5.	Self-focusing of asymmetric finite Airy–Gaussian laser beams in magnetized plasma	<b>P. P. Nikam</b> <sup>1</sup> , V. S. Pawar <sup>2</sup> , M. V. Takale <sup>3</sup> , and S. D. Patil <sup>1</sup>	1. Devchand College, Arjunnagar. 2. D.K.A.S.C College, Ichalkaranji, 3. Shivaji University, Kolhapur	<i>Journal of Nonlinear Optical Physics and Materials</i>	Accepted (2022)	0218-8635	<a href="https://doi.org/10.1142/S0218863523500443">https://doi.org/10.1142/S0218863523500443</a>		YES

**2. Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings: 03**

Sr. No.	Title of the book/chapters published/ Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN	Affiliating Institute at the time of publication	Name of the publisher
1.	Nonlinear Propagation of Gaussian Laser beams in Magnetized Plasma: Effect of Oblique Magnetic Field	Recent Advances IN Fundamental And Applied Sciences	RAFAS-2021	International	2022		D.K.A.S.C College, Ichalkaranji	IOP Publishing
2.	Self-Focusing of Gaussian Laser Beam in an axially Magnetized Plasma	Recent Advances IN Fundamental And Applied Sciences	RAFAS-2021	International	2022		D.K.A.S.C College, Ichalkaranji	IOP Publishing
3.	Nonlinear propagation of Gaussian Laser Beam in an Axially Magnetized Cold Plasma	International Conference on Nonlinear Dynamics and Applications	ICNDA-2022	International			D.K.A.S.C College, Ichalkaranji	

**3. Details of Workshop/ Seminar/ Conference/ Symposia Attended/ Participated/**

**Presented:**

**National: 00**

**International: 03**

Sr. No.	Name of conf., workshop, seminar, symposia	Date	Level	Role (Attended, presented, participated)
1.	International conference on Multifunctional and Hybrid Materials for energy and Environment (MHMEE-2020)	29-31 January 2020	International	Presented
2.	“Recent Advances in Fundamental	25-26	International	Presented

	and Applied Sciences” (RAFAS-2021)	June2021		
3.	International e-Conference on Recent Trends in Nano-Materials and Its Applications (RTNA-2022)	22-23 April 2022	International	Presented

**4. Lectures Delivered at Workshop/ Seminar/ Conference/ Symposia and other as Resource Person :**

Sr. No.	Name of conf., workshop, seminar, symposia	Date	Level	Role (Attended, presented, participated)

**5. Projects ongoing/completed**

Sr. No.	Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency
1.							

**6. Details of teachers undergoing Faculty Development Programmes, Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course / Certificate Course (MSCIT, TALLEY, JAVA, MOOCS) etc.)**

Sr. No.	Title of the program	Duration (from – to) (DD-MM-YYYY)
1		

**7. Membership of Institutional /Professional bodies:**

**8. DECLARATION:**

I hereby declare that all information in this document is true, complete and correct to the best of my knowledge and belief.

**Place:** Ichalkaranji

**Signature**

**Date:** 26/03/2023

**(Name-Vinayak Shivaji Pawar)**