

## Curriculum vitae



Name : Dr. Vijay Baburao Huse  
Qualification : M.Sc. (Physics), PhD, SET  
Designation : Assistant Professor  
College : Shri Shivaji Science and Arts College, Chikhli  
Address : At-Deshgavhan, Tal-Ambad, Dist-Jalna  
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E-Mail : [vijayhuse@gmail.com](mailto:vijayhuse@gmail.com)  
Date of Birth : 02/05/1981  
Date of joining : 21/09/2019  
Nationality : Indian  
Academic Qualification Details :

Examination passed	College/ Institute	Board/ University	Subject/ Specialization	Year of passing	Division/ Grade
S.S.C.	Chhatrapati Sambhaji Vidyalaya, Wakulni	Aurangabad Divisional Board	Marathi , Hindi, English, Math, Science	1998	A
H.S.C. (10+2)	Shri S.B. College Jalna	Aurangabad Divisional Board	Physics, Chemistry, Biology, Mathematics	2000	B
B.Sc.	Deogiri College Aurangabad	Dr. B.A.M.U Aurangabad	Physics, computer science and Mathematics	2003	B
M.Sc.	Dept. of Physics,	Dr. B.A.M.U. Aurangabad	Physics	2005	A
Ph.D.	School of Physics,	Devi Ahilya University Indore	Physics	2016	----
MH-SET	SPPU, Pune	SPPU, Pune	Physics	2019	----

Experience: Teaching : 2 years  
 Research : 5 years

Ph.D. Thesis Title : Theory of Electromagnet Undulator Radiation and Its Design Studies

Ph.D. Supervisor : Dr. G. Mishra (PhD, IIT Delhi)  
 Professor, School of Physics,  
 Devi Ahilya Vishwavidyalya (DAVV), Indore

Area of Research : Free Electron Laser and Undulator Technology

Ph.D/M.Phil Guidance : nil

Paper Published :8

Paper Presented International :2 National : nil

Book Published : nil

Articles Published : nil

Invited Talk & Guest Lectures : nil

Conference/Workshop Attended : International 2 National : nil

Research Project Completed : nil

Minor Research Project : nil  
 Major Research Project : nil

Position Held :--

Awards/Scholarships :--

### **Research Publications**

#### **1. Research Papers published in journals: (only recently published)**

<b>Sr. No</b>	<b>Title</b>	<b>Name of Authors as mentioned in paper</b>	<b>Journal, Vol. No., Page No. Year</b>	<b>Impact Factor if any (as per Thomson Ruters )</b>	<b>ISSN/ ISBN No.</b>
1	Optical klystron undulator radiation with electromagnetic wave undulator	Vijay Huse, N.B. Thakre, Bramh Prakash	Journal physics : conference series 2021	-----	1742-6596

2	Beat Frequency undulator radiation and harmonic generation	Vijay Huse	Physica Scripta 94 115506 (2019)	1.985	1402-4896
3	Analysis of spectral properties of harmonic undulator radiation of an electromagnet undulator	Bramh Prakash, Vijay Huse, Mona Gehlot, G. Mishra, S. Mishra	Optik-International journal for light and electron optics, Vol.127 (2016) p.1639	1.191	0030-4026
4	Design and optimization of an electromagnet undulator	Vijay Huse, Geetanjali Sharma, Swati Mishra, G. Mishra	Optik-International journal for light and electron optics, Vol. 125 (2014) p. 4739	1.191	0030-4026
5	Inclusion of finite permeability on design and optimization of an electromagnet undulator	Vijay Huse, Geetanjali Sharma, Swati Mishra, G. Mishra	Chinese Physics Letter, Vol. 31, (2014) p. 034101-1	5.084	
6	Inclusion of finite permeability on design and optimization of an electromagnet undulator	<b>Vijay Huse</b> , Geetanjali Sharma, Swati Mishra, G. Mishra	Chinese Physics Letter, Vol. 31, (2014) p. 034101-1.	0.927	
7	, “A polygon laser scanning micrometer for magnet size measurement studies”,	R Khullar, G Mishra, G Sharma, B Prakash, M Gehlot, <b>V Huse</b> and S Mishra	IOP Publishing, Journal of Instrumentations, Vol.9 (2014) p. T05003.	1.310	
8	Studies on growth and characterization of ternary Cds <sub>1-x</sub> Sex alloy thin films deposited by chemical bath deposition	J.B. Chuadhari, N.G. Deshpande, Y.G. Gudge, A. Ghosh, V.B. Huse, Ramphal Sharma	Applied Surface Science, Vol. 254 (2008) p.6810.	4.439	

## 2. Full Papers in Conference proceedings:

Sr. No.	Name of Conference	Level	Title of Paper	Name of Authors	Place & Date	ISSN/ ISBN No.
1	International Conference on Advances in Basic Sciences	international	Beat Frequency Undulator Radiation in Electromagnetic Undulator	Vijay Huse, Ramdas Huse and Bramh Prakash	February 7-9, 2019, Bahal, Dist-Bhiwani, Haryana, India.	
2	International Conference on Advances in Basic Sciences	international	Small Period Electromagnet Undulator and Effect of Finite Conductor Width Variation	Vijay Huse, Ramdas Huse and Bramh Prakash	February 7-9, 2019, Bahal, Dist-Bhiwani, Haryana, India.	

### 3. Papers presented in Conferences / Seminar / Symposia / Workshop:

Sr. No.	Title of Paper	Title of Event	Level	Date	Organizer
1	Optical klystron undulator radiation with electromagnetic wave undulator	Second International Conference on Advances in Physical Sciences and Materials (ICAPSM 2021)	International	12 -13, August 2021	Department of Mechatronics, SNS College of Technology (SNSCT), Coimbatore.

### 4. Conferences / Seminar / Symposia / Workshop Attended:

Sr. No.	Theme	Level	Date	Organizer
1	Science and technology of free electron laser	international	4-6 <sup>th</sup> December 2014	School of Physics, Devi Ahilya University-
2	Material Science, X-ray and Gamma ray Spectroscopies	National	29-30 <sup>th</sup> March 2017	Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

### 5. Invited Lectures & session Chairmanship:

Sr. No.	Title	Academic Session	Event	Level	Date	Organizer

**6. Year wise Research Guidance:**

Sr. No.	Year	Degree (M.Phil/PhD)	No. of Students		
			Enrolled	Awarded	Submitted

**7. Research Projects (Minor/Small Grants):**

Sr. No.	Title	Major/ Minor	Funding Agency	Period	Amount Sanctioned	Sanctioned Letter	Status

**8. Training Courses, Teaching-Learning-Evaluation Technology Programmes, Faculty Development Programmes (not less than one week duration)**

Sr. No.	Programme	Duration	Organized By

**9. Book Published**

Sr. No.	Title & Page No.	Authors	Type of Book	Publisher	ISSN/ISBN No	No. of Co- authors

**10. Editorial Board Member:**

Sr. No.	Title & Page No.	Type of Books	Publisher	ISSN/ISBN No	No. of Co- authors

**11. Articles/Chapters published in Book:**

Sr. No.	Title & Page No.	Book Title, Editor & Publisher	ISSN/ISBN No.	Authors	Whether Main authors

**12. Events Organized:**

Sr. No.	Events	Level	Funded By	Date	Position
1	C.V. Raman Lecture Series on Modern Physics	college	-----	22/02/2021 to 27/02/2021	Coordinator
2	A Lecture on, "Fun with optics" on the occasion of physics association	college	-----	01/03/2021	Coordinator
3	Use of the Virtual Laboratory in Teaching and Learning	national	-----	09/08/2021 to 10/08/2021	Organizing Secretary
4	poster competition for undergraduate students for science, arts and commerce faculty on Energy Awareness and Environmental Conservation	state	-----	12th March 2020	Member

**13. Reviewer of journal**

1. Scientific journals (scientific.net)

**14. Special Achievement:****15. Other Memberships:**