

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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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.	Chhtrapati 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 : 3 years

Research : 5 years (including PhD)

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

Paper Published 8

Paper Presented : International -2

Conference/Workshop Attended : International-2

Research Publications

1. Research Papers published in journals:

Sr. No	Title	Name of Authors as mentioned in paper	Journal, Vol. No., Page No. Year	Impact Factor	ISSN/ ISBN No.
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	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 C Vol. 31, (2014) p. 034101-1	2.944	1674-1137
6	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.	2.293	0256-307X
7	, “A polygon laser scanning micrometer for magnet size measurement studies”,	R Khullar, G Mishra, G Sharma, B Prakash, M Gehlot, V Huse and S Mishra	IOP Publishing, Journal of Instrumentations, Vol.9 (2014) p. T05003.	1.121	1748-0221
8	Studies on growth and characterization of ternary Cds1-xSex 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.	7.392	0169-4332

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 th December 2014	School of Physics, Devi Ahilya University-
2	Material Science, X-ray and Gamma ray Spectroscopies	National	29-30 th March 2017	Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

5. Events Organized:

Sr. No.	Events	Level	Funded By	Date	Position
1	University Level Innovative Model Making Competition	District	College	30/09/2022	Member
2	Awareness Program on Energy Audit and Its Importance	College	College	14/01/2022	Organizing secretary
3	Awareness Program IPR and Patenting System.	College	College	13/01/2022	Organizing secretary
4	C.V. Raman Lecture Series on Modern Physics	college	College	22/02/2021 to 27/02/2021	Coordinator
5	A Lecture on, "Fun with optics" on the occasion of physics association	college	College	01/03/2021	Coordinator
6	Use of the Virtual Laboratory in Teaching and Learning	national	College	09/08/2021 to 10/08/2021	Organizing Secretary
7	poster competition for undergraduate students for science, arts and commerce faculty on Energy Awareness and Environmental Conservation	state	College	12th March 2020	Member

6. Reviewer of journal

1. Scientific journals (scientific.net)