

MR. MADHAV VAMAN JADHAV

1. **Date of birth** : 02/06/1967
2. **Designation** : Assistant Professor, Department of Physics
3. **Educational Qualification** : M. Sc. Physics
4. **Teaching Experience** :30 Years , UG Level
5. **Research Area** :Solar Energy, Nanomaterials
6. **Seminar / Conference Attended :-**
 - **International Level** :7
 - **National Level** :15
 - **State Level** :5
 - **University Level** :12
 - **FDP** :3
7. **Research Paper Presented** :8
 - **State Conference** :1
 - **National Conference** :4
 - **International Conference** :3
8. **Research Paper Published** :6
9. **Minor Research Project Compled (Funded by UGC) : 1**
10. **Research Project Completed by self-finance : 1**
11. **Consultancy** : Energy Savings, Use of solar energy
12. **Contribution in Curriculum Design** :Participated in “Syllabi revision workshop organized by University.
13. **Editorial Work** :1) Joint Editor of Annual College Magazine
2) Worked as Chief Editor of Souvenir of International conference.
14. **Lectures Delivered on:** Energy Crises, Food crises, Population Crises, Basic concept of physics, Conventional and Non-conventional energy sources, Competitive Exam.
15. **Institutional Responsibility** :LMC member for 10 year
Time- table committee chairman from 2021-22
Chairman of Competitive Exam centre 2014-2021
16. **Co- curricular committee work:** Worked as Chairman and member of many committees

MR. MADHAV VAMAN JADHAV

Assiatant Professor

Dept. of Physics

S. M. B. S. T. College Sangamner, Dist. Ahmednager

1. Refresher / Orientation Course Attended

Sr. No.	Type	Duration	Subject	Place	University
1	Orientation	4/10/1994 To 31/10/1994	Physics	Pune	Pune
2	Refresher-1	21/03/2005 To 10/04/2005	Environmental Studies (Physics)	Ahmednagar	Pune
3	Refresher-1	06/03/2006 To 26/03/2006	Environmental Studies (Physics)	Ahmednagar	Pune
4	Refresher-1	27/03/2007 To 16/04/2007	Information Studies (Physics)	Nashik	Pune

2. Attended Seminar / Workshop/ Conference

A) International Level

Sr. No.	Name of the Conference/ Seminar	Organized by	Place	Dates
1	Conference on Recent Advances in Environmental Biotechnology	Birla College, Kalyan & Society of science and environment	Kalyan	14 th – 15 th November, 2009
2	Symposium on Renewable energy for rural development	Sangamner college	Sangamner	25 th to 27 th Feruary, 2010
3	Physics of Materials and material-based device fabrication	Department of physics, Shivaji University Kolhapur	Kolhapur	17 th to 19 th January 2012
4	Advances in functional Materials (ICAFM-2018)	K.T.H.M. College Nashik	Nashik	12 th & 13 th January 2018
5	E- conference on “Cutting edge smart materials & Nanotechnology” 20 th -	Sadguru Gadge Maharaj College, Karad.	Karad	21 st August 2020

6	workshop on “Skills of Stress & Relationship Manegment”	Chhatrapati Shivagi College, Satara	Satara	22th March 2021
7	International Webinar on “Frontiers in Chemical Research”	S.M.B.S.T. College, Sangamner	Sangamner	24 th July 2021.

B) National Level

Sr. No.	Name of the Conference/ Seminar	Organized by	Place	Dates
1	New trends in Life Science & Bio- technology	Art’s , Commerece & Dadasaheb Rupwate science College, Akole	Akole	11 th & 12 th December 2005
2	Renewable energy for youth empowerment in rural area	Sangamner college	Sangamner	23 rd to 25 th March 2008
3	Human Resource Development	S. M. B. S. T. College Sangamner	Sangamner	1 st to 3 rd February 2010
4	Role of Chemistry in environmental protection	Sangamner college	Sangamner	27 th to 29 th February 2012
5	Qualitative Techniques & Research methodology	Shri Jagdishprasad Jhabarmal Tibrewala University	Aurangabad	11 th march 2012
6	Role of physics in sustainable development	Sangamner college	Sangamner	7 th to 9 th February 2013
7	Advance research in chemical and environmental sciences	S.M.B.S.T. College Sangamner	Sangamner	25 th -026 th January 2014
8	Renewable energy and environment (NCREE-2018)	K. J. Somaiya college	Kopargoan	19 th and 20 th January 2018
9	National webinar on “ New Education Policy”	S. M. Joshi College, Hadapsar, Pune, on 10/02/2021	Hadapsar, Pune	10 th February 2021
10	National Webinar on “Travel and Tourism: Problems and Perspective”	S.M.B.S.T. College Sangamner	Sangamner	9 th July 2021
11	National Webinar on “Use of Softwares in Effective Scientific Teaching”.	S.M.B.S.T. College Sangamner	Sangamner	19 th July 2021

12	National Webinar on “New Frontiers in Information Technology for the Physics Education”	S.M.B.S.T. College Sangamner	Sangamner	21 st July 2021.
13	National Webinar on “India’s International Relations”	S.M.B.S.T. College Sangamner	Sangamner	22 nd July 2021.
14	Webinar on “Devotion of Non-teaching staff in NAAC”	S.M.B.S.T. College Sangamner	Sangamner	9 th April 2022
15	Multidiciplinary Education -NEP: 2020	S.M.B.S.T. College Sangamner	Sangamner	12 th and 13 th February 2023

C) State Level

Sr. No.	Name of the Conference/ Seminar	Organized by	Place	Dates
1	Conservation & Enrichment of Natural Resources	S. M. B. S. T. College Sangamner	Sangamner	15 th to 17 th January 2007
2	Current trends in Applied Zoology	K. J. Somaiya college Kopargoan	Kopargoan	7 th & 8 th January 2011
3	Effect of Modernisation on physical fitness	S. M. B. S. T. College Sangamner	Sangamner	14 th & 15 th February 2012
4	Dalimb sheti khat, pani, kidrog ani bahar wyawasthapan	S. M. B. S. T. College Sangamner	Sangamner	19 th January 2016
5	Role of information technology for rural development	S. M. B. S. T. College Sangamner	Sangamner	17 th December 2016

D) University Level

Sr. No.	Name of the Conference/ Seminar	Organized by	Place	Dates
1	Challenge in higher education	R. B. N. B. College, PUCTO	Shrirampur	17 th August 2003
2	Challenge in higher education	New Art’s College, PUCTO	Ahmednagar	28 th September 2003
3	Renewable perspectives energy for coming decade	CIDEO College	Nashik	7 th October 2003
4	Feedback and Guidelines regarding restructured syllabus in the physics at S.Y.B.Sc.	Hon. Balasaheb Art’s Commerce & Science college	Ale, Tal. Junner, Dist. Pune	10 th October 2003

5	Problems in higher education	PUCTO	Nashik	3 rd July 2005
6	Effective use & maintenance of physics laboratory equipment at U.G. level	Sangamner College	Sangamner	16 th January 2006
7	National Agriculture policy	S. M. B. S. T. College Sangamner	Sangamner	7 th Sept. 2006
8	F.Y.B.Sc. Syllabi revision	Abasaheb Garware College	Pune	13 th August 2008
9	Right to information & working , right to LMC member	PUCTO	Ahmednagar	17 th September 2010
10	Workshop on Academic performance indicator for promotion of teacher and organizational developments	PUCTO	Ahmednagar	12 th September 2010
11	Workshop on S.Y.B.Sc. syllabus	K.J. Soaiya College	Kopargoan	31 st January 2014
12	Reframing of S.Y.B.Sc. physics syllabus (CBCS)	Padmashri vikhe patil college Pravaranagar	Loni	17 th January 2020

E) Faculty Development program

Sr. No.	Name of the Faculty Development Program (FDP)	Organized by and Place	Dates
1	Faculty Development Program (FDP) on “Recent Trends in Engineering Physics”	Department of Science and Humanities, Rajarambapu Institute of Technology, Rajaramnagar.	8 th – 10 th July 2021
2	National level “Capacity Building Programme in Physics”	KTHM College Nashik	23 rd to 27 th August 2021
3	National level Faculty Development Programme on “Google Tools & Video Lecture Preparation”	Department of Commerce and Administration, college of Physical education, Amravati	27 th & 28 th January 2022.

3. Research paper presented in International / National Conference

1. "Use of solar energy for sustainable development" in the National conference on 'Renewable energy for Youth Empowerment in Rural area' organized by Sangamner College, Sangamner on 23rd to 25th March 2008.
2. "Study of absorption coefficient of different trees to control sound pollution" in the international conference on 'Recent advances in environmental biotechnology' organized by Birla College, Kalyan on the 14th – 15th November 2009.
3. "Human Resource Development" In the National Conference on Human Resource Development organized by S.M.B.S.T. College Sangamner on February 1st to 3rd 2010.
4. Experimental studies on single basin solar still and single basin solar still coupled with a flat plate collector" in the international symposium on 'Renewable energy for rural development' organized by Sangamner college, Sangamner on 25th to 27th February 2010.
5. "Research opportunities and challenges in fuel cell's" , Ist international conference on 'physics of materials and material based device fabrication' Organized by Shivaji University Kolhapur, (M.S.), India on January 17th to 19th 2012.
6. "L-Ascorbic acid -background and significance: A review" , In the national conference on ' Role of physics in sustainable development' Organized by Sangamner college, Sangamner on 7th to 9th February 2013.
7. "Use of solar still for water distillation" In the national conference organized by S.M.B.S.T. College Sangamner, Dist-Ahmednagar, on 25th to 26th January 2014.

4. Research paper published

1. "The effect of coupling a flat plate collector on the single slope basin solar still productivity" published in the ' IUP Journal of science & technology (IJST)', Vol.-6, No-1, Pages 51-62, March-2010. ISSN:/ 0973-2268.
2. "Performance of black granite basin solar stil: A comparative study" Published in the , International Journal of engineering and technoscience (IJETS)', Vol-2, Issue-2 Pages 161-168, March- April 2011. ISSN: 0976-9293.
3. " Evaluation of Environmental noise level of Sangamner city (MS), India and the study of sound absorption coefficient of different tree wood to control noise level" published in the IUP journal of Environmental sciences', Pages10, May-2011. ISSN:/ 0973-9912.

4. “A Review : Research opportunities and challenges in fuel cells for India”, Published in the ‘Indian streams research journals’, Vol. 2, Issu-9, Pages-11, October: 2012, ISSN:/ 2230-7850.
5. “CuO Nanoparticles Synthesis by Sol-gel Method and Characterization” published in the ‘Nano Science & Nano Technology : An Indian Journal’ , Vol-15, Issue-2 , Page – 106, Year- 2021, ISSN:/ 0974- 7494.
6. “Study of Performance of Wooden Box Type Solar Cooker” Published in the ‘International Research Journal of Engineering and Technology (IRJET)’, Volume: 10 Issue: 02 ,year- Feb 2023, e-ISSN: 2395-0056, p-ISSN: 2395-0072.

5. Research Activity

1. Minor research project completed, entitled “Performance study of flat plate collector type solar still for water distillation” funded by UGC New Delhi.
2. Research project completed entitled “ Sound pollution in Sangamner tahsil and study of sound absorption coefficient of differet tree wood to control noise level” using self-fund.

6. Editorial work

1. Joint Editor of Annual College Magazin
2. Worked as Chief Editor of Souvenir of International conference.