

FACULTY PROFILE



1.	Name	:	Dr. Dada Pandurang Nade																								
2.	Educational Qualifications	:	M.Sc. Ph.D. (Physics)																								
3.	Designation	:	Head and Assistant Professor																								
4.	Address for Communication	:	Department of Physics, Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli																								
5.	E-mail Id	:	dpnade@gmail.com and dada.nade@gmail.com																								
6.	Mobile No.	:	9552678563																								
7.	Experience	:	13 Years																								
	a) Teaching - UG	:	09 Years																								
	PG	:	03 Years																								
	b) Research-(Ph.D. duration)	:	04 Years																								
8.	Details of Qualifications	:																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Sr.</th> <th style="width: 15%;">Exam.</th> <th style="width: 35%;">Board / University</th> <th style="width: 15%;">Year</th> <th style="width: 30%;">Specialization</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Ph. D.</td> <td>Shivaji University, Kolhapur</td> <td style="text-align: center;">May, 2014</td> <td style="text-align: center;">Space Science (Physics)</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">M. Sc.</td> <td>Shivaji University, Kolhapur</td> <td style="text-align: center;">April, 2010</td> <td style="text-align: center;">Physics</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">B. Sc.</td> <td>Shivaji University, Kolhapur</td> <td style="text-align: center;">April, 2005</td> <td style="text-align: center;">Physics</td> </tr> </tbody> </table>				Sr.	Exam.	Board / University	Year	Specialization	1	Ph. D.	Shivaji University, Kolhapur	May, 2014	Space Science (Physics)	2	M. Sc.	Shivaji University, Kolhapur	April, 2010	Physics	3	B. Sc.	Shivaji University, Kolhapur	April, 2005	Physics				
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9.	CAREER PROFILE	:																									
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B]	Post Graduate Level:		
i.	Department of Physics at School of Science, Sanjay Ghodawat University, Kolhapur	July, 2017 to 27 August, 2020	03 Years
Total Teaching Experience (PG):		03	Years

10.	RESEARCH CONTRIBUTION	:	
	a)	Research Guidance	: 01 JRF
		Supervision of Doctoral Theses (Awarded)	: Nil
	b)	Research Papers Published	: 33

Sr	Title of the Paper	Journal, ISSN& IF	Vol. No., Year, Page No.	Author/ Co-author
1	A Brief Review of Equatorial Plasma Bubbles	Space Science Review Electronic ISSN 1572-9672 Print ISSN 0038-6308 IF: 11.037	219:16 (2023)	Akshay S. Patil, Dada P. Nade , Alok Taori, Rani P. Pawar, Sambhaji M. Pawar, Suraj S. Nikte, Sunil D. Pawar
2	Impact of Lockdown created by COVID-19 pandemic on ground-based Airglow Image observations in India	Remote Sensing Letters, Print ISSN: 2150-704X Online ISSN: 2150-7058 IF: 2.29	12:5, March 2021, 488-498,	Rupesh N. Ghodpage, Alok Taori, D. P. Nade , M. K. Madhav Haridas, O. B. Gurav, Sanat K. Das and P. T. Patil
3	Intra-annual variations of regional total column ozone, aerosol optical depth, and water vapor from ground-based, satellite-based and model-based observations	Atmospheric Research ISSN: 0169-8095 IF: 4.67	237, June 2020, 1- 16	Nade D.P. , Potdar S. S., Pawar R.P., Taori A., Kulkarni G., Siingh D., Pawar S. D.
4	Total Column Ozone, Precipitable Water Content and Aerosol Optical Thickness Over Atigre Village, a Tropical Station: First Observations,	MAPAN-Journal of Metrology Society of India, Print-0970-3950 Online- 0974-9853 IF: 1.03	DOI: 10.1007/ s12647- 019- 00314-y.	D. P. Nade , S. S. Potdar, R. P. Pawar, S. T. Mane, S. Chandra, A. Taori, Devendraa Siingh
5	The long-term trend analysis of rainfall data	International Journal of Water	13 (3), 2019,	Swapnil S. Potdar, Shreyas Kulkarni,

	from 1901 to 2015 for Maharashtra and Goa region from India,	Online 1741-5322 Print 1465-6620 IF:	293- 309.	Priyanka Patil, Rani P. Pawar, Vineet V. Jakhalekar, Dada P. Nade
6	Seasonal, annual and inter-annual variability in MLT Quasi Two-Day Waves over low latitude region Kolhapur (16.8° N; 74.2° E),	Advances in Space Research. ISSN: 0273-1177 IF: 2.17	Accepted 2019, ASR-D-18-00527R2,	H. P. Gaikwad, A. K. Sharma, O. B. Gurav, D. P. Nade , G. A. Chavan, and P. T. Patil
7	Zonal drift velocity of Equatorial Plasma Bubbles during ascending phase of 24th solar cycle using All Sky Imager over Kolhapur, India,	Journal of Geophysical Research: Space Physics, ISSN:2169-9402 IF: 2.8	123, 10, 266-10,282, https://doi.org/10.1029/2018JA025810 .	O. B. Gurav, A. K. Sharma, R. N. Ghodpage, D. P. Nade , G. A. Chavan, H. P. Gaikwad and P. T. Patil
8	Statistical analysis of total column ozone during three recent solar cycles over India,	Journal of Atmospheric and Solar-Terrestrial Physics, ISSN: 1364-6826 IF: 1.5	181, A, 44-54. 2018	S. S. Potdar, D. P. Nade , R. P. Pawar, N. Jeni Victor, S. S. Nikte, G. A. Chavan, A. Taori, Devendraa Siingh
9	Study of equatorial plasma bubbles using all sky imager and scintillation technique from Kolhapur station: a case study,	Astrophysics and Space Science, ISSN 1572-946X Print ISSN 0004-640X IF: 1.43	(2018) 363:8, https://doi.org/10.1007/s10509-018-3303-4 .	Sharma A. K., O. B. Gurav, H. P. Gaikwad, G. A. Chavan, D. P. Nade , S. S. Nikte, R. N. Ghodpage, P. T. Patil
10	Recent State Wise Statistical Review of Renewable Energy in India,	International Journal for Research in Engineering Application & Management (IJREAM), ISSN : 2454-9150 IF: 6.46	98-106, DOI : 10.18231/2454-9150.2018.0219.	D. P. Nade , Swapnil S. Potdar, R. P. Pawar, S. T. Mane, S. B. Wategaonkar, S. C. Janrao (2018),
11	Dynamics of ionospheric irregularities in increasing phase of 24th solar cycle at Kolhapur [16.4° N, 74.2° E],	Advances in Space Research. ISSN: 0273-1177 IF: 2.17	, 60, 10/15, 2195-2205	Sharma A. K., G. A. Chavan, O. B. Gurav, H. P. Gaikwad, R. N. Ghodpage, D. P. Nade

12	Structural and magnetic properties of (Sr _{0.6} Ca _{0.4}) (Co _y Mn _{1-y}) O ₃ (0.2<y<1.0) ceramic synthesized by chemical co-precipitation,	Journal of Alloys and Compounds, ISSN 0925-8388 IF : 4.6	741 (2018) 861e868.	R.P. Pawar, S.S. Gaikwad, S.Y. Wu, Vijaya Puri, D.P. Nade ,
13	Study of ionospheric irregularities from Kolhapur (16.4°N, 74.2°E),	Journal of Atmospheric and Solar-Terrestrial Physics, ISSN: 1364-6826 IF: 1.5	169 (2018) 16-22.	Sharma A. K., Chavan, G. A., Gaikwad, H. P., Gurav, O. B., Nade, D. P. , Nikte, S. S., Ghodpage, R. N., Patil, P. T.,
14	Dependence of Coherence Scales of Ionospheric Scintillation Patterns on Magnetic Activity,	MAPAN-Journal of Metrology Society of India, Print-0970-3950 Online- 0974-9853 IF: 1.03	DOI 10.1007/s12647-016-0191-3.	G. A. Chavan, A. K. Sharma, O. B. Gurav, H. P. Gaikwad, D. P. Nade , S. S. Nikte, R. N. Ghodpage and P. T. Patil
15	The study of equatorial plasma bubble during January to April 2012 over Kolhapur (India),	Annales Geophysicae, ISSN 0992-7689 eISSN 1432-0576 IF: 1.49	59, 2, 2016, A0214; doi:10.4401/ag-6868.	P. T. Patil, R. N. Ghodpage, A. K. Taori, R. P. Patil, S. Gurubaran, S. S. Nikte, D. P. Nade , A. K. Sharma, S. Banola, V. L. Narayanan, D. Siingh,
16	Observations in quiet day pattern of cosmic radio noise using riometers	Canadian Journal of Basic and Applied Sciences, ISSN 2292-3381 IF: 0.199	1 (03), 145-154, 2016	S. S. Nikte, D. P. Nade , A. K. Sharma, G. A. Chavan, O. B. Gurav, M. V. Rokade, M. P. Yadav, P. T. Patil, and R. N. Ghodpage,
17	Geographical analysis of equatorial plasma bubbles by GPS and nightglow measurements,	Advances in Space Research. ISSN: 0273-1177 IF: 2.17	, doi: http://dx.doi.org/10.1016/j.asr.2015.03.030 .	D. P. Nade , D. J. Shetti, A. K. Sharma, A. Taori, G. A. Chavan, P. T. Patil, R. N. Ghodpage, O. B. Gurav, S. S. Nikte,
18	Field of View Determination and Spatial Calibration of Night Airglow All-Sky	IJSRD - International Journal for Scientific Research	03 (02), 2015.	P. T. Patil, R. P. Patil, R. N. Ghodpage, S. B. Patil, D. P. Nade ,

	Images,	& Development, ISSN 2321-0613 IF: 4.39		
19	Observations of Plasma Blobs by OI 630 nm using ASI and Photometer over Kolhapur, India,	Earth Moon Planets ISSN: 0167-9295 (print); 1573-0794 (web) IF: 0.60	(2014) 112:89– 101, DOI 10.1007/ s11038- 014- 9440-z.	D. P. Nade , A. K. Sharma, S. S. Nikte, G. A. Chavan, P. T. Patil, R. N. Ghodpage, S. Gurubaran,
20	Airglow measurements of gravity wave propagation and damping over Kolhapur (16.5° N, 74.2° E),	International Journal of Geophysics, ISSN. 16878868, 1687885X IF:	Article ID 514937, 9 pages http://dx.doi.org/10.1155/2014/514937 , 2014.	R. N. Ghodpage, A. Taori, P. T. Patil, S. Gurubaran, A. K. Sharma and D. P. Nade ,
21	Development of Fast Image Analysis Technique for All Sky Images,	Current Science, ISSN 0011-3891 IF:075	106 (08), 1085- 1093, 2014.	A K. Sharma, D. P. Nade , S. S. Nikte, R. N. Ghodpage, P. T. Patil and M. V. Rokade, R. S. Vhatkar and S. Gurubaran,
22	Zonal Velocity of the Equatorial Plasma Bubble over Kolhapur,	Annales Geophysicae, ISSN 0992-7689 eISSN 1432-0576 IF: 1.49	31, 2077– 2084, 2013.	D. P. Nade , A. K. Sharma, S. S. Nikte, P. T. Patil, R. N. Ghodpage, S. Gurubaran, A. Taori, and Y. Sahai,
23	Occurrence of Plasma Bubbles Over Kolhapur,	Advances in Space Research. ISSN: 0273-1177 IF: 2.17	54 (03), 435-442, 2013.	A K. Sharma, D. P. Nade , S. S. Nikte, R. N. Ghodpage, P. T. Patil and M. V. Rokade, R. S. Vhatkar and S. Gurubaran,
24	Difficulties in the study of cosmic radio noise absorption at 30 MHz using riometer at low latitude station, Kolhapur (Lat-16.8°N, Long-74.25°E).	Advances in Space Research. ISSN: 0273-1177 IF: 2.17	53, 237– 242, 2013.	S. S. Nikte, A. K. Sharma, M. V. Rokade, D. P. Nade , R. N. Ghodpage, P. T. Patil, and R. V. Bhonsle,

25	Study of Diurnal, Seasonal and Annual Variations in the Cosmic Radio Noise Absorption at 30 MHz in the Australian Antarctic Research Stations,	Canadian Journal of Basic and Applied Sciences, ISSN 2292-3381 IF: 0.199	1 (03), 145-154, 2013.	S. S. Nikte, A. K. Sharma, M. V. Rokade, D. P. Nade , R. N. Ghodpage, P. T. Patil, and R. V. Bhonsle,
26	Study of variations in the absorption of cosmic radio noise using Riometer at Casey station,	Scholars Research Library, Archives of Physics Research, ISSN: 0976-0970 IF:1.35	3 (2), 149-155, 2012.	A K. Sharma, S. S. Nikte, M. V. Rokade, D. P. Nade , R. N. Ghodpage and R. V. Bhonsle,
27	Ground level enhancement occurred during the SPE period on 28 October 2003: A case study,	International Journal of Environmental Sciences, ISSN 0976 – 4402 IF:	3 (3) 1161-1168, 2012.	A K. Sharma, D. P. Nade , R. P. Pawar, R. S. Vhatkar, S. S. Nikte, R. N. Ghodpage, P. T. Patil, M. V. Rokade,
28	Analysis of Plasma Bubbles Observed in Night Airglow Emission line OI 630.0 nm from Kolhapur Using All Sky Imager,	International Journal of Engineering Sciences Research- IJESR, ISSN: 2230-8504 e-ISSN: 2230-8512 IF: 4.5	3 (2), 746-750, 2012.	A K. Sharma, D. P. Nade , S. S. Nikte, R. N. Ghodpage, P. T. Patil, M. V. Rokade and R. S. Vhatkar,
29	Observation of Cosmic Radio Noise using Riometer at low latitude station, Kolhapur,	Asian Journal of Chemical and Environmental Research, ISSN 0974-3049 IF:1.46	4 (3-4), 105-107, 2011.	A K. Sharma, S. S. Nikte, M. V. Rokade, R. N. Ghodpage, D. P. Nade , P. T. Patil and R. V. Bhonsle,
30	Occurrence of F-Region Plasma Bubble Over Low Latitude Station: Kolhapur,	Proceedings of the National Symposium on Current trends in Atmospheric Research including Communication and Navigation aspects (CARCAN-2012),	December 21 - 22, 94-99, 2012 (ISBN: 978-93-82570-04-2)	D. P. Nade , A. K. Sharma, S. S. Nikte, R. N. Ghodpage, P. T. Patil, M. V. Rokade and R. S. Vhatkar,
31	Study of Solar Proton Event Observed using Riometers,	Proceedings of the National Symposium on	December 21 - 22, 94-99,	S. S. Nikte, A. K. Sharma, R. S. Vhatkar, D. P. Nade ,

		Current trends in Atmospheric Research including Communication and Navigation aspects (CARCAN-2012),	2012 (ISBN: 978-93-82570-04-2)	R. N. Ghodpage, M. V. Rokade, P. T. Patil and R. V. Bhonsle,
32	Designing of High gain antenna array for Riometer at low latitude station, Kolhapur,	Role of Radars in atmospheric and Ionospheric Studies, (ISBN: 978 14276-5344-4).	Paper 041, Theme 2, 137-139, 2012	Sharma A. K., S. S. Nikte, S. V. Amargol, R. V. Bhonsle and D. P. Nade ,
33	Variation In Zonal Drift Velocity Of Equatorial Plasma Bubbles (EPBs) Over Kolhapur (Lat-16.8°N, Long-74.25°E; 10.6°N dip lat),	Emerging Trends in Basic And Applied Sciences, (ISBN: 978-93-5212-826-6).	2015	Sharma A. K., O. B. Gurav, S. Gurubaran, G. A. Chavan, D. P. Nade , H. P. Gaikwad, R. N. Ghodpage, P. T. Patil and S. S. Nikte,

c)	Books/Souvenirs Published	:	04
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Sr .	Title of the Book	ISBN	Name of the Publisher	Year
1	The NCSAS-2019 A Book of Abstract	978-93-5361-341-9.	Sanjay Ghodawat University, Kolhapur	2019
2	Global Positioning System (Study of equatorial plasma bubbles using GPS system)	978-1-78984-715-4.	Infotech	2018
3	The RTPAS-2022 A Book of Abstract	--	Dr. Patangrao Kadam Mahavidyalaya, Sangli	2022
4	The RTPAS-2023 A Book of Abstract	--	Dr. Patangrao Kadam Mahavidyalaya, Sangli	2023

d)	Research Projects	:	04
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Sr.	Title of the Project	Major/Minor	Funding Agency	Duration
1	To study the role of particulate matter in the atmospheric boundary layer dynamics and its effect on climate change over Sangli and Kolhapur region (Ref.	Research Initiation Scheme Rs. 2,65,000/-	Shivaji University, Kolhapur	2 Years

	SU/C&U.D.S./5/29/868 dated 01 Jul 2022)			
2	To investigate the aerosol distributions and ozone depletion using the TPM over Atigre Village at Kolhapur region (File No. EEQ/2016/000275)	Major (Rs. 21,00,000/-)	Department of Science and Technology (DST) by Science and Engineering Research Board (SERB)	03 Years March-2017 to February-2020
3	First National Conference on Space and Atmospheric Science (NCSAS-2019) (File No.SSY/2019/000157)	Minor (Rs. 1,50,000/-)	DST-SERB	10-11 May, 2019
4	To Study the Latitudinal Variations in Intensity of OI 630.0 nm Emission Using Images of Nightglow OI 630.0 nm Over India (File No.ITS/0364/2015-2016)	Minor (Rs. 2,50,000/-)	International Travel Grand through DST-SERB	April-2015

e)	Research Papers Presented	:	29
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Sr.	Title of the Paper	Name of the Conference	Date
1	The seasonal, daily and diurnal variability in UV irradiance using the Micrometer II Ozonometer at village Atigre, Kolhapur, India.	Third National Conference on Recent Trends in Pure and Applied Sciences (RTPAS-2023) held at Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalay, Sangli	17 February, 2023
2	Study of variation in the Quiet Day Curve (QDC) by Cosmic Noise technique	Third National Conference on Recent Trends in Pure and Applied Sciences (RTPAS-2022) held at Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalay, Sangli	21-22 January 2022
3	Observational study of Nisarg cyclone winds using Phased Array Doppler Sodar at Atigre, Kolhapur, India	International Symposium on Tropical Meteorology INTROMET-2021	23-26 November, 2021
4	The latitudinal trend variation in TCO over India	Third National Conference on Recent Trends in Pure and Applied Sciences (RTPAS-2021) held at Bharati Vidyapeeth's Dr. Patangrao	13 March, 2021

		Kadam Mahavidyalay, Sangli	
5	Investigation on relation between TCO and AOD using MicrotopsII Ozonometer	(TROPMET-2020) National Symposium on Weather and Climate Services over Mountainous Regions Umiam, Shillong, Meghalaya organized by North Eastern Space Applications Centre & Indian Meteorological Society – Shillong Chapter	14-17 December, 2020,
6	Intra-annual variations of regional total column ozone, aerosol optical depth, and water vapor from ground-based, satellite-based and model-based observations	TROPMET-2019, National Symposium on Land, Ocean and Atmosphere Interactive Processes in the Context of Weather and Climate held at Andhra University, Visakhapatnam, Andhra Pradesh	11 - 14 December, 2019
7	The trend variation in total column ozone with respect to solar cycle over Indian region	Multidisciplinary International Conference on 'World Sustainable Development: Vision 2030' held at Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalay, Sangli	19 th March, 2019
8	Total Column Ozone, Precipitable Water Content and Aerosol Optical Thickness over Atigre Village, a Tropical Station: First Observations	The 20 th National Space Science Symposium (NSSS-2019) to be held at the Savitribai Phule Pune University, Pune	29 - 31, January, 2019.
9	Observations of ozone, water vapor and aerosol over Atigre village	International conference on Material and Environmental Science (ICMES-2018) organized by Shri Yashavantrao Patil Science College, Solankur and The New College, Kolhapur	07 – 08, December, 2018
10	Enhancement in intensity of nightglow OI 630 nm emission due to the Milky Way Galaxy	International conference on “Exploring the Universe: Near Earth Space Science to Extragalactic Astronomy” held at the Department of Astrophysics and Cosmology of S. N. Bose National Centre for Basic Sciences, Kolkata, INDIA,	14 – 17, November, 2018
11	Study of equatorial plasma blobs observed at 630.0 nm over Kolhapur, India	15th International Symposium on Equatorial Aeronomy (ISEA-2018) held at Physical Research Laboratory, Ahmedabad, India,	22 – 26, October 2018.
12	Recent state wise statistical review of renewable energy in India	International Conference on Sustainable Growth through Universal Practices in Science, Technology and Management (ICSGUPSTM-2018), held at Goa, organized by the Sanjay Ghodawat University, Kolhapur	8-10 June 2018

13	First observations of total column ozone, aerosol optical depth and precipitable water content at Village Atigre	The 10th International Workshop on “Long-Term Changes and Trends in the Atmosphere” hosted by the University of Science and Technology of China, held in Hefei, China	14 -18 May, 2018.
14	First observation of total column ozone, aerosol optical depth and water vapor at Village Atigre	International Tropical Meteorology Symposium (ITROMET-2017) on Advancement in Space-based Earth Observations and Services for Weather and Climate organized at Space Application Center, Ahmedabad (ISRO Center)	07 – 10, November, 2017.
15	Latitudinal variations in total column ozone over Indian region	Three days International conference on understanding, predicting and projecting climate change over Asian region (UPCAR-2017) organized by Shri. Venkateswara University, Tirupati and National Atmospheric Research Laboratory, Gadanki, Andhra Pradesh	26 - 28 June, 2017.
16	New hypothesis for generation mechanism of equatorial plasma bubbles and blobs	3 rd URSI-Regional Conference on Radio Science organized National Atmospheric Research Laboratory, Gadanki, Andhra Pradesh	01 – 04, March 2017.
17	First observations of total column ozone, aerosol optical depth and precipitable water content at Village Atigre	A state level seminar on recent trends in Physical, Mathematical, Chemical and life Sciences for Make in India organized by Amruteswar Arts, Commerce and Science College, Vinzar (Pune),	01 - 02, February, 2017.
18	Equatorial plasma bubbles zonal and meridional drifts over the low latitude region: a study using images of nightglow OI 630 nm emission	The 19th National Space Science Symposium (NSSS-2016) to be held at The Space Physics Laboratory (SPL) of Vikram Sarabhai Space Centre (VSSC), Thiruvananthapuram, Kerala	09 – 12, February, 2016.
19	Investigate the mechanism of equatorial plasma bubbles and blobs	2 nd URSI-Regional Conference on Radioscience organized by School of Environmental Science, Jawaharlal Nehru University, New Delhi	16 – 19, November, 2015.
20	Influence of the Milky Way Galaxy on nightglow OI 630 nm emission	The 33 rd Meeting of the Astronomical Society of India (ASI) was hosted by the National Centre for Radio Astrophysics (NCRA) of the Tata Institute of Fundamental Research (TIFR), Pune	17-20, February, 2015
21	The zonal and meridional drift velocity of equatorial plasma bubbles	Two-day national conference on “Recent Advances in Astrophysics and Space Science” held at Department of Physics, KLE	19 – 20, December, 2014

		Society G. I. Bagewadi College, Nipani	
22	Study of Plasma blobs Using Intensity of OI 630.0 nm Emissions over Kolhapur	Raman Memorial Conference 2014 (RMC-14) held at Department of Physics, University of Pune	07 - 08, February, 2014.
23	Appearance of the Milky Way Galaxy in images of OI 630 nm causes Enhancement in Intensity	One day National Level Seminar on Explore Physics (ODNLSEP-2013) held at Department of Physics, Changu Kana Thakur, ACS College, New Panvel, Mumbai.	29 th December, 2013
24	The Nocturnal Monthly and Latitudinal Variation in Characteristics of the Zonal Velocities of the Plasma Bubble over the Low Latitude (Kolhapur 16.42 ^o N, 74.2 ^o E, And 10.6 ^o N dip Lat) Region	Six-Day workshop on Advanced Dynamical Core Modeling for Atmospheric and Oceanic Circulations scheduled (ADCM-AOC-2013) at the National Atmospheric Research Laboratory (NARL), Gadanki, Chittoor District Andhra Pradesh, India.	18- 23, February, 2013
25	To Study the Characteristics of Plasma Bubble over Low Latitude Station: Kolhapur	Two-day national seminar on COSMOS, Recent Developments and Measurement Techniques in Astronomy and Astrophysics (RDMTAA-2013) held at Shahajiraje Mahavidyalaya Khatav, Maharashtra	16 - 17, January, 2013
26	Development of Fast Image Analysis Technique for All Sky Images	National symposium Current trends in Atmospheric Research including Communication & Navigation Aspects (CARCAN-2012) held at Vignana Bharathi Institute of Technology (VBIT), Hyderabad	21 - 22, December, 2012.
27	Concentration of Surface Ozone Decreases during Major Solar Proton Events Study of ionospheric plasma depletion using all sky imager over Kolhapur region, India	The 17 th National Space Science Symposium (NSSS-2012) to be held at Sri Venkateswara University, Tirupati	14 - 17, February, 2012.
28	Effect of major solar proton events during the 23rd solar cycle on concentration of tropospheric ozone over station Payerne, Switzerland	National Conference on Advances in Atmospheric Remote Sensing, Weather Prediction & Climate Change (Department of Physics Sri Venkateswara University, Tirupati).	10-11 March 2011
29	Effect of major solar proton events during the 23th solar cycle on production of NO _x and	International conference on Climate Change Perspectives and Projections (ICCC-2010) - A system approach held at Osmania University, Hyderabad	9 - 11, December, 2010.

	corresponding ozone depletion over station Payerne, Switzerland		

11.	PARTICIPATION IN KNOWLEDGE EVENTS	:	
	a) International Conferences/ Seminars	:	24

Sr.	Theme of the Conference	Organizer	Date(s)
1	One Day International Symposium on Advances in Photocatalysis” (Virtual Mode)	Raje Ramrao Mahavidyalaya, Jath	13 April, 2022
2	15 th Quadrennial Solar-Terrestrial Physics (STP-15) Symposium	Indian Institute of Geomagnetism, India	21-25 Feb. 2022
3	International Symposium on Tropical Meteorology INTROMET-2021	Cochin University of Science and Technology, Kerala	23-26 Nov. 2021
4	One Day Multidisciplinary International e-Conference on Trends, Challenges and Issues in the Science, Social Science and Languages for Social Welfare	Department of Geography and Internal Quality Assurance Cell, Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalay, Sangli	17 May, 2021
5	Fourth International Conference on Advances in Materials Science (ICAMS-2020)	Postgraduate Department of Physics, Raje Ramrao Mahavidyalaya, Jath	20 - 21 January, 2020
6	Multidisciplinary International Conference on ‘World Sustainable Development: Vision 2030’ (MICWSD-2019)	Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalay, Sangli	19 March, 2019.
7	International conference on Material and Environmental Science (ICMES-2018)	Shri Yashavantrao Patil Science College, Solankur and The New College, Kolhapur	7-9 December, 2018.
8	International conference on “Exploring the Universe: Near Earth Space Science to Extragalactic Astronomy (EU:NESSEA-2018)	Department of Astrophysics and Cosmology of S. N. Bose National Centre for Basic Sciences, Kolkata,	14-17 November, 2018.

9	The 10 th International Workshop on “Long-Term Changes and Trends in the Atmosphere (LTCTA-2018)”	University of Science and Technology of China, held in Hefei, China	14-18 May, 2018.
10	15 th International Symposium on Equatorial Aeronomy (ISEA-2018)	Physical Research Laboratory, Ahmedabad, India,	22-26 October, 2018.
11	International Conference on Sustainable Growth through Universal Practices in Science, Technology and Management (ICSGUPSTM-2018),	Goa, organized by the Sanjay Ghodawat University, Kolhapur	8-10 June 2018.
12	International Conference on Advanced semiconductor materials and devices (ICASMD-2018)	C-MET, Hyderabad	8-10 March, 2018.
13	International Conference on “Applied Nanotechnology and Nanoscience” (ICANN 2017)	Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati Pune	7-9 December, 2017.
14	International Tropical Meteorology Symposium (NTROMET-2017) on Advancement in Space-based Earth Observations and Services for Weather and Climate	Space Application Center, Ahmedabad (ISRO Center)	7-10 November, 2017.
15	Three days International conference on understanding, predicting and projecting climate change over Asian region (UPCAR-2017)	Shri. Venkateswara University, Tirupati and National Atmospheric Research Laboratory, Gadanki, Andhra Pradesh	26-28 June, 2017.
16	3 rd URSI-Regional Conference on Radio Science	National Atmospheric Research Laboratory, Gadanki, Andhra Pradesh	01-04 March 2017.
17	2 nd URSI-Regional Conference on Radioscience	School of Enviromental Science, Jawaharlal Nehru University, New Delhi	16-19 November, 2015.
18	The 33 rd Meeting of the Astronomical Society of India (ASI)	National Centre for Radio Astrophysics (NCRA) of the Tata Institute of Fundamental Research (TIFR), Pune	17-20 February, 2015.
19	International Conference on Advanced and Applied Material Science	Gopal Krishna Gokhale College, Kolhapur (MS) India	15-16 January, 2014.
20	Second International Conference on Physics of Materials and	Department of Physics Shivaji University, Kolhapur (ICPM-	13-15 January,

	Materials based Device Fabrication	MDF-2014)	2014.
21	Six-Day workshop on Advanced Dynamical Core Modeling for Atmospheric and Oceanic Circulations scheduled (ADCM-AOC-2012)	National Atmospheric Research Laboratory (NARL), Gadanki, Chittoor District Andhra Pradesh, India.	18-23 February, 2013
22	International conference on Multidisciplinary Approaches in Applied Geology (MAAG-2012)	Gopal Krishna Gokhale College, Kolhapur	20-21 February, 2012.
23	The First international conference on Physics of Materials and Materials based Device Fabrication	Department of Physics Shivaji University, Kolhapur (ICPM-MDF-2012)	17-19 January, 2012
24	International conference on Climate Change Perspectives and Projections (ICCC-2010) –A system approach	Osmania University, Hyderabad	9-11 December, 2010.

b)	National Conferences/Seminars	:	27
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Sr.	Theme of the Conference	Organizer	Date(s)
1	Fifth National Conference on Recent Trends in Pure and Applied Sciences	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalay, Sangli	17 February 2023
2	National Seminar on Emerging Nano Material for Renewable Energy	Sanjay Ghodawat University, Kolhapur	26 December 2022
3	IP Awareness/Training program under national intellectual property awareness mission	Intellectual property office, India	23 January 2023
4	Online National Conference on Applications of advanced Physics and Chemistry for Development of Science	Department of Physics and Chemistry and Internal Quality Assurance Cell, Bharati Vidyapeeth's MBSK Kanya Mahavidyalay, Kadegaon	24 June 2022
5	Fourth National Conference on Recent Trends in Pure and Applied Sciences	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalay, Sangli	21-22 January, 2022.
6	National Conference on Contemporary issues in social sciences and languages	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalay, Sangli	30 November 2022

7	One Day National Workshop on "Prototype/Process Design and Development-Prototyping"	Institutions Innovation Council (IIC) and PD3P4 committee of Rayat Shikshan Sanstha's Dahiwadi College, Dahiwadi	24 February 2021
8	Third National Conference on Recent Trends in Pure and Applied Sciences	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalay, Sangli	13 March, 2021.
9	Virtual National Symposium on Weather and Climate Services Over Mountainous Regions Shillong, Meghalaya	North Eastern Space Applications Centre and Indian Meteorological Society – Shillong Chapter, at NESAC, Umiam, Shillong, Meghalaya	14-17 December 2020
10	Second National Conference on Recent Trends in Pure and Applied Sciences	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalay, Sangli	11 January, 2020.
11	TROPMET-2019, National Symposium on Land, Ocean and Atmosphere Interactive Processes in the Context of Weather and Climate	Andhra University, Visakhapatnam, Andhra Pradesh	11-14 December, 2019.
12	The 20 th National Space Science Symposium (NSSS-2019)	Savitoryibai Phule Pune University, Pune	29-30 January, 2019.
13	The 53 rd All India Marathi Vidnyan Parishad organized by Marathi Vidnyan Parishad Chalisgaon	Chalisgaon	22-24 December, 2018.
14	A state level seminar on recent trends in Physical, Mathematical, Chemical and life Sciences for Make in India	Amruteswar Arts, Commerce and Science College, Vinzar (Pune),	1-2 February, 2017.
15	Fifth Techno Societal Theme Meeting on Advanced Technologies in Service of Rural India	SVERI College of Engineering, Pandharpur	4-5 November, 2017.
16	National Conference on Material and Environmental Science	Shri. Y. Patil College of Science, Solankur	15 February, 2017.
17	The 19 th National Space Science Symposium (NSSS-2016)	The Space Physics Laboratory (SPL) of Vikram Sarabhai Space Centre (VSSC), Thiruvananthapuram, Kerala	9-12 February, 2016.
18	National Seminar on outcome-based education and accreditation (NBA, Tier-II Institute, June 2015 Format)	Sanjay Ghodawat Group of Institutions, Atigre under Lead College Activity,	30-31 March, 2016,

		Shivaji University, Kolhapur	
19	Two Days National Seminar on Role of research in Improvement of quality of teaching and learning in higher education,	Miraj Mahavidyalay, Miraj	09-10 October, 2015.
20	Two-day national conference on “Recent Advances in Astrophysics and Space Science”	Department of Physics, KLE Society G. I. Bagewadi College, Nipani	19-20 December 2014.
21	Raman Memorial Conference 2014 (RMC-14)	Department of Physics, University of Pune	07-08 February, 2014.
22	One day National Level Seminar on Explore Physics (ODNLSEP-2013)	Department of Physics, Changu Kana Thakur, ACS College, New Panvel, Mumbai.	29 December , 2013
23	Two-day national seminar on COSMOS, Recent Developments and Measurement Techniques in Astronomy and Astrophysics (RDMTAA-2013)	Shahajiraje Mahavidyalaya Khatav, Maharashtra.	16-17 January 2013
24	Second national seminar on Physics of Materials and Materials based Device Fabrication (NSPM-MDF-2013)	Department of Physics Shivaji University Kolhapur.	04-05 January, 2013
25	National symposium Current trends in Atmospheric Research including Communication & Navigation Aspects (CARCAN-2012)	Vignana Bharathi Institute of Technology (VBIT), Hyderabad	21-22 December , 2012.
26	The 17 th National Space Science Symposium (NSSS-2012)	Sri Venkateswara University, Tirupati	14-17 February, 2012.
27	The National seminar on Physics of Materials and Materials based Device Fabrication (NSPM-MDF2011)	Department of Physics Shivaji University Kolhapur.	17-18 February, 2011

	c)	Other (State/University) Conferences/Seminars	:	20
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Sr.	Theme of the Conference	Organizer	Date(s)
1			
2	Workshop On Awareness About Sharing R&D Resources Through I-Stem Portal	SAIF-DST centre, Shivaji University, Kolhapur	05 August 2022
3	Hands on training workshop on	School of Nanoscience and	10-14

	advanced techniques in Nano science and nanotechnology	Nanotechnology, Shivaji University, Kolhapur	March 2022
4	Two Day National Level Workshop on LaTax	Annasaheb Dange College of Engineering and Technology Ashta	5-6 July, 2019.
5	Two Day Faculty Conclave 2019 on Effective Student Engagement in Learning through Active Learning Techniques	Sanjay Ghodawat University, Kolhapur	11-12 January, 2019.
6	One day workshop on AICTE schemes for students Faculty and Institutional Development	All India Council for Technical Education at DKTE Society's Textile and Engineering Institute Inchalkaranji	03 November, 2018.
7	One day workshop on Intellectual Property Rights	Sanjay Ghodawat Group of Institutions, Atigre	18 February, 2017.
8	First User Scientist Workshop on applications of stratospheric and tropospheric wind profile radar	Advanced Center for Atmospheric Radar Research, Cochin University of Science and Technology Cochin	09-10 February, 2017.
9	One Day workshop on Aviskar,	Gokhale College, Kolhapur,	29 October, 2015
10	One Day workshop on Innovation Flow the science of flowing ideas into innovation	Venture Center, NCL, Pune,	17 October, 2015.
11	Five days Faculty development workshop on Developing Generation conducted	Sanjay Ghodawat Group of Institutions, Atigre	23-27 June 2015.
12	One day workshop on The Multiwavelength Astronomical Data, Analysis,	Visualization and the Virtual Observatory at IUCAA Pune	16 February, 2015.
13	Two-day workshop on Institutionalizing a Culture of Excellence,	Sanjay Ghodawat Group of Institutions, Atigre	24-25 June, 2014.
14	Two-day workshop on for Teaching Staff on Need for Quality in The System of Higher Education,	Sanjay Ghodawat Group of Institutions, Atigre	13-14 June, 2014.
15	National workshop on Advanced Data Mining Techniques (ADMT-2013)	Department of Computer Science, Shivaji University, Kolhapur.	17-18 December, 2013 at
16	One day workshop on "Organic Electronic Devices" (OED-2013)	Department of Physics Shivaji University Kolhapur.	24 September, 2013
17	Two-Day workshop on Research	Shivaji University Kolhapur	26-27

	Writing, Ethics, Plagiarism and Publishability (RWEPP-2012)		July, 2012.
18	One-Day workshop on Transit of Venus	Department of Physics, Shivaji University, Kolhapur	27 April, 2012.
19	One-Day workshop on Research Writing, Ethics, Plagiarism and Publishability (RWEPP-2012)	New College, Kolhapur, and Shivaji University Kolhapur	28 March, 2012.
20	One-Day workshop on Nano Technology-Preparation of Material and Its Application (NTPMA-2011)	D.K.A.S.C. College, Ichalkaranji	6 January, 2011.

12.	WEBINARS ATTENDED	:	17
	a) International Webinars Attended	:	01

Sr.	Theme of the Webinar	Organizer	Date(s)
1	World Space week on Remote Sensing Satellite's and Achievements	Space India	10 October 2020

	b) National Webinars Attended	:	17
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Sr.	Theme of the Webinar	Organizer	Date(s)
1	MS-DEED Level 1 Online Workshop on Introduction to Innovative Pedagogies for UG Teachers	Indian Institute of Science Education and Research Pune	11-13 January 2023
2	One Day Online Workshop on changed Syllabus in Physics at B.Sc.-III Sem-VI for Courses DSE-F1 & F3	Department of Physics, DKACS College, Ichalkaranji	09 February 2021
3	Opportunities for Engineers in Earth and Space Science	Fabtech Technical Campus, college of engineering and research, Sangola	15 July 2021
4	One day Webinar- Living Stressfree life in Pandemic	School of Liberal Arts, Sanjay Ghodawat University, Kolhapur	9 May, 2021
5	Online Seminar on " Research Funding Agencies	Shahid Virpatni Laxmi Mahavidyalaya, Titwe	24 April, 2021
6	Online Lecture Series Program under UGC-STRIDE COMPONENT-I Scheme	Department of Physics, Shivaji University, Kolhapur	07-10 April, 2021
7	One Day National Workshop on	Institutions Innovation Council	24

	Prototype/Process Design and Development-Prototyping	(IIC) and PD3P4 committee of Rayat Shikshan Sanstha's Dahiwadi College, Dahiwadi	February, 2021
8	Online Teachers' Workshop on New Changed Syllabus of (CBCS) B.Sc. III Physics Paper-X DSE-E2 Quantum Mechanics & Paper-XVI DSE-F4 Energy Studies and Materials Science"	Department of Physics & IQAC D. P. Bhosale College, Kadegoan in collaboration with Shivaji University, Kolhapur.	24 February, 2021
9	One-Day Online Teachers' Training Workshop on New Changed Syllabus of B.Sc.-III Physics (CBCS Pattern)"	Department of Physics and IQAC, Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli and sponsored by Shivaji University, Kolhapur.	12 February, 2021
10	One Day Online Workshop on Changed Syllabus in Physics at B.Sc.-III Sem-VI for Courses DSE-F1 & F3	Department of Physics, Dattajirao Kadam Arts, Science and Commerce College, Ichalkaranji	09 February, 2021
11	One-Day Online Teachers' Training Workshop on New Changed Syllabus of B.Sc.-III Physics (CBCS Pattern) Laboratory Experiments GP- I to VI	Department of Physics and IQAC, Balwant College, Vita and Shivaji University, Kolhapur	01 February, 2021
12	E Workshop on SWAYAM MOOC and Academic Writing	HNB Garhwal University Srinagar Garhwal Uttarakhand	06 January, 2021
13	Online Webinar on "Cardiovascular Diseases" On the occasion of World Heart Day	Department of Chemistry and Internal Quality Assurance Cell In association with Staff Academy	07 October, 2021
14	Webinar On Space Weather: Ionosphere and Technological Impact	Department of Physics, Doon University, Dehradun in Association with University Faculty Association (UFA)	6 October, 2020
15	Webinar On World Space Week: Remote sensing satellite and India's Achievements	Space India	10 October, 2020
16	National Webinar on New Education Policy-2020	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	17 September, 2020
17	Online Webinar on Ozone for Life - 35 Years of Ozone Layer Protection	Department of Physics, Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	16 September, 2020

	c)	Other Webinars Attended	:	
Sr.	Theme of the Webinar	Organizer	Date(s)	
13.	ORIENTATION/REFRESHER COURSES	:	12	
Sr.	Name of the Course	Name of the University/ASC	Duration	
1	Two Week Refresher Course in Physics	Teaching Learning Centre, Ramanujan College (University of Delhi)	27 February – 13 March, 2023	
2	Faculty Development Program (FDP) on Photonics	Rajarshi Shahu Mahavidyalaya, Latur, Maharashtra and sponsored by AICTE Training And Learning (ATAL) Academy.	03 -07 November, 2021	
3	Two - Week Interdisciplinary Refresher Course/Faculty Development Programme on “Advanced Research Methodology”	Teaching Learning Centre, Ramanujan College (University of Delhi)	20 August – 03 September, 2021	
4	Four Week Induction/Orientation Programme for “Faculty in Universities /Colleges /Institutes of Higher Education”	Teaching Learning Centre, Ramanujan College (University of Delhi)	From 19 July - 17 August, 2021	
	Four Week Induction/Orientation Programme	Teaching Learning Centre, Ramanujan College (University of Delhi)	20 October – 18 November, 2022	
5	Faculty Training Programme	Internal Quality Assurance Cell, Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalaya, Sangli	12-16 October 2020	
6	Faculty Development Program (FDP) on Photonics	Rajarshi Shahu Mahavidyalaya, Latur, Maharashtra and sponsored by AICTE Training and Learning (ATAL) Academy.	03 -07 November, 2020	
7	Online two-week Faculty Development Programme on Managing Online Classes and Co-Creating MOOCs	Teaching Learning Centre, Ramanujan College (University of Delhi)	20 April - 6 May 2020.	

8	AICTE approved Faculty Development Programme (FDP 101x) on “Foundation Program in ICT for Education”	Indian Institute of Technology Bombay	03 August to 07 September, 2017
9	Two Week ISTE STTP workshop on Engineering Physics,	Indian Institute of Technology at Sanjay Ghodawat Group of Institutions, Atigre	08-18 December 2015
10	ISTE STTP workshop on Technical Communication conducted	Indian Institute of Technology at Sanjay Ghodawat Group of Institutions, Atigre	08 Oct to 05 December, 2015.
11	ISTE STTP One-week Coordinators workshop on Engineering Physics	Indian Institute of Technology Bombay at Mumbai	07-11 September 2015.
12	WHS79IX: Technical Communication for Scientist and Engineers	Indian Institute of Technology Bombay	8 – 10 October, 2015

14. ADMINISTRATIVE ASSIGNMENTS : 10

Sr.	Position	Institution	Duration
1	HOD, Physics	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalay, Sangli	From January, 2021
2	Member, BoS, Physics	Sanjay Ghodawat University, Kolhapur	April 2023 to till date
3	Member, BoS, Physics	Sanjay Ghodawat University, Kolhapur	June 2017 to March 2023
4	Coordinator	Center for Space and Atmospheric Science, Sanjay Ghodawat University, Kolhapur	July 2017 to August 2020
5	Internal Senior Supervisor	Shivaji University, Kolhapur at Sanjay Ghodawat Group of Institution, Atigre	24 -31 December, 2015
6	Internal Senior Supervisor	Shivaji University, Kolhapur at Sanjay Ghodawat Group of Institution, Atigre	01 -08 January, 2016
7	Coordinator	Facility Center for DTE Admission Cell, at Sanjay Ghodawat Group of Institution, Atigre	June 2014 to August 2017
8	Member	Central Marketing Committee, Sanjay Ghodawat University, Kolhapur	June 2017 to August 2020
9	Coordinator	R & D Cell, Sanjay Ghodawat University, Kolhapur	June 2017 to August 2020
10	Academic	Department of Physics, Sanjay Ghodawat	June 2017 to

	Coordinator	University, Kolhapur	August 2020
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15.	INVITED LECTURES/KEYNOTE ADDRESSES/SESSION CHAIRS	:	31
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Sr.	Invited as	Conference /Event	Organization	Date(s)
1	Chief Guest	National Science Day	Kirloskar High School and Junior Collge, Kirloskar	28 February 2022
2	Invited Talk	Opportunities in Physics	ACS College, Palus	21 March 2022
3	Chief Guest	Einstein Association	Miraj College, Miraj	07 May 2022
4	Invited Talk	Career in Physics	Miraj College, Miraj	07 May 2022
	Invited Talk	Opportunities in Physics	PDVP College, Tasgaon	26 November 2022
5	Invited Talk	Space Exploration	Sharad Institute of Technology College of Engineering, Ichalkaranji (Kolhapur)	27 March, 2021
6	Invited Talk	Indian Space Missions in Student Induction Program	D. Y. Patil College of Engineering & Technology (An Autonomous Institute), Kasba Bawada, Kolhapur	08 February, 2021
7	Invited Talk	ISRO Space Missions	Shahid Shikshan Prasarak Mandals Shahid Virpatni Laxmi Mahavidyalaya, Kolhapur	09 January, 2021
8	Session Chairpers on	Fourth International Conference on Advances in Materials Science (ICAMS-2020)	Postgraduate Department of Physics, Raje Ramrao Mahavidyalaya, Jath	20 - 21 January, 2020
9	Invited Talk	Effective Research Proposal Writing and Fund Generation Schemes	R&D cell Indira College of Engineering and Management (ICEM), Pune	29 September, 2020.
10	Resource Person	One Day Workshop on "Progress of Indian Space Program"	PDVP College, Tasgaon under Lead College Scheme, Shivaji University, Kolhapur	09 January, 2020.

11	Guest Lecture	Indian Space Program and Dr. Vikram Sarabhai	at Balwant College Vita	18 December, 2019.
12	Invited Talk	Chandrayaan-2	Dattajirao Kadam Arts, Science and Commerce College, Ichalkaranji	10 October, 2019.
13	Invited Talk	Stratospheric Ozone Depletion and our Responsibility	at Dr. J. J. Magdum College of Engineering, Jaysingpur	01 October, 2019
14	Invited Talk	India in Space.	Miraj College, Miraj	21 September, 2019
15	Invited Talk	Mission Chandrayan	Y.C. College of Science, Karad	18 September, 2019.
16	Invited Talk	Global Warming: A Role of Ozone' in One Day Workshop on Ozone Day	Department of Physics, SGU, Kolhapur	16 September, 2019
17	Invited Talk	Program Monitoring Committee for promotion of Space Science Research	Department of Physics, Shivaji University, Kolhapur	27 August, 2019.
18	Invited Talk	Fundamental Research in Physics	Department of Physics, Lal Bahadur Shastri College, Satara	19 August, 2019
19	Invited Talk	Funding Agencies and Funding Proposals" in Faculty Orientation Programme	Sanjay Ghodawat University, Kolhapur	20 July, 2019
20	Chief Guest	The Scientific Approach" celebration of National Science Day	Srimant Gangamai Girls High School and Junior College, Ichalkaranji	28 February, 2019
21	Invited Talk	Modern Physics	Sanjay Ghodawat Polytechnique Atigre	09 February, 2019
22	Invited Talk	The writing a research story: A great tool for teaching and learning process" in Faculty Conclave 2019	Sanjay Ghodawat University, Kolhapur	11 - 12 January, 2019.
23	Invited Talk	Ozone and its Effects on the occasion of World Ozone Day	Department of Mathematics, Willingdon College, Sangli	15 September, 2018.
24	Invited Talk	Women Contribution in Space Science"	Rani Sarswati Kanyashala, Sangli	18 August, 2018

25	Invited Talk	General Introduction to Quantum Mechanics”	Raje Ramrao Mahavidyalaya, Jath	08 August, 2018
26	Invited Talk	Eclipse: Myths and Superstitions	Abhinav Balak Mandir, Sangli	12 July, 2018
27	Invited Talk	Eclipse: Myths and Superstitions	Pradnya Prabodhini Prashala, Sangli	12 July, 2018
28	Invited Talk	Quantum Mechanics	Raje Ramrao Mahavidyalaya, Jath	18 February, 2018
29	Invited Talk	Global Warming and its Effect on Climate	Sanjay Ghodawat Polytechnique Atigre	24 January, 2018
30	Invited Talk	Asteroids, Comets and Meteoroids	Rajaram College Kolhapur	04 October 2017
31	Invited Talk	Effect of Ozone Loss on Human Life” on occasion of the International Ozone Day	Dattatray Chavan Kanya Vidhyalay Sangliwadi	25 September, 2017
32	Invited Talk	Stratospheric Ozone depletion and our responsibility” on the occasion of International Ozone Day Ceremony,	Department of Physics, School of Science at Sanjay Ghodawat University Kolhapur.	16 September, 2017
33	Invited Talk	Career opportunity in Space Science	Rajaram College Kolhapur	15 July, 2017
34	Invited Talk	Sun and its Activities” on occasion of the Astronomical Day	Miraj College Miraj	07 October, 2016
35	Invited Talk	Introduction of Ozone Layer	Kanya Vidya Mandir, Shirdwad on 13-01-2017.	13 January, 2016

16. ASSOCIATION WITH PROFESSIONAL BODIES : 06

Sr.	Position	Name of the Professional Body
1	Member	Board of Studies (BOS) of Physics, Sanjay Ghodawat University, Kolhapur
2	Lifetime Member	International Union of Radio Science (URSI)
3	Lifetime Member	International Society for Research and Development (ISRDR),
4	Lifetime Member	Marathi Vidnyan Parishad (MVP)
5	Member	The Indian Radio Science Society (InRaSS).

6	Lifetime Member	Indian Meteorology Society (IMS)		
17.	KNOWLEDGE EVENTS ORGANISED	:	19	
Sr.	Title of the Event	Level	Date(s)	Position
1	World Ozone Day and Foundation Day of Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	State	16 September 2023	Coordinator
2	Fifth National Conference on Recent Trends in Pure and Applied Sciences (RTPAS-2023)	National	17 February 2023	Convener
3	Guest Lecture by Prof. Rajmal Jain Kothari on "Cosmic and Challenges in 21st Century"	University	07 April, 2022	Coordinator
4	One -Day Workshop on Research Methodology	University	23 May, 2022	Coordinator
5	Webinar on "First International Lightning Safety Day"	State	02 July, 2021	Coordinator
6	One-Day Online Teachers' Training Workshop on New Changed Syllabus of B.Sc.-III Physics (CBCS Pattern) organised by Department of Physics and IQAC, Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli and sponsored by Shivaji University, Kolhapur.	State	12 February, 2021	Coordinator
7	National Webinar on Ozone for Life -35 Years of Ozone Layer Protection organized by Department of Physics and Internal Quality Assurance Cell, Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli in association with ISHRAE Kolhapur-Sangli Sub-Chapter on	National	16 September, 2020	Coordinator
8	Dr. Vikram Sarabhai 100 th Birth Anniversary at Department of Physics, the Sanjay Ghodawat University, Kolhapur in association with the Indian Space Research Organization (ISRO)	National	22 - 23 January, 2020.	Coordinator
9	Live demonstration of the Solar Eclipse at the Sanjay Ghodawat, University, Kolhapur (Atigre). Dr. Aviraj Jatratar was Resource Person.	State	26 December, 2019	Coordinator
10	One Day Workshop on Ozone Day organized at Department of Physics, Sanjay Ghodawat University, Kolhapur	National	16 September, 2019.	Coordinator

11	The First National Conference on Space and Atmospheric Science (NCSAS-2019) organized at Department of Physics, Sanjay Ghodawat University, Kolhapur in collaboration with the Indian Institute of Tropical Meteorology (IITM), Pune, Indian Institute of Geomagnetism (IIG), Mumbai	National	10 -11 May, 2019	Convener
12	One day workshop on "World Ozone Day" at Department of Physics, School of Science, Sanjay Ghodawat University, Kolhapur	National	29 September, 2018.	Coordinator
13	A National workshop on "New Horizon in Physics-Joy of Learning" at Department of Physics, School of Science at our University Kolhapur	National	23 January, 2018.	Coordinator
14	Reading Motivational Day (Vachan Prerana Din) on occasion of the birthday ceremony of Dr. A. P. J. Abdul Kalam at Department of Physics, School of Science at our University, Kolhapur	State	15 October, 2017.	Coordinator
15	International Space week organized at Department of Physics, School of Science at our University Kolhapur.	National	04 - 10 October, 2017	Coordinator
16	One Day workshop on "International Ozone Day" at Department of Physics, School of Science at our University, Kolhapur.	National	16 September, 2017	Coordinator
17	Solar Summit-2k17 organized at the Sanjay Ghodawat Group of Institute Atigre	National	25 - 26 March, 2017.	Coordinator
18	Two Week ISTE STTP Workshop on "Engineering Physics" conducted by IIT Bombay, Mumbai at Department of Physics, Sanjay Ghodawat Group of Institute Atigre	National	08 -18 December , 2015.	Coordinator
19	Guest lecture on Thunderstorm and Lightning by Dr. Devendraa Siingh from Indian Institute of tropical Meteorology (IITM), Pune for M.Sc. Physics students of Department of Physics, SGU, Kolhapur.	University	09 August, 2019	Coordinator
20	The 'Orientation Program' for first year students of School of Science, SGU, Kolhapur	University	23 -24 July, 2018.	Coordinator
21	A meeting with eminent scientist Dr. Gourihar Kulkarni, Pacific Northwest National Laboratory, Richland, USA, for development in R&D and innovation work at Sanjay Ghodawat University, Kolhapur.	University	17 July, 2018	Coordinator
22	FE Parents Meet 2015 at the Sanjay Ghodawat	University	14 March	Coordinator

	Group of Institute Atigre	ty	2015.	
23	Poster Presentation in VIBRANT-2015 at Sanjay Ghodawat Group of Institute Atigre	Univer sity	23-24 February 2015.	Coordinator
24	Arranged a guest lecture on "India in Space" by Prof. Rajmal Jain, Hon. Scientist of PRL, Department of Space, Govt. of India, and Dean, Research and Sciences, Kadi Sarva Vishwavidyalaya, Gandhinagar.	Univer sity	07 June 2016	Coordinator

18. ACADEMIC ODYSSEY

:

a) Foreign Countries

:

01

Sr.	Name of the City and Country	Date(s)
1	University of Science and Technology of China 96 Jinzhai Road, Hefei, Anhui 230026, China	14-19 May 2018

b) India

:

12

1	Tamilnadu	2	Andra Pradesh	3	Kerala
4	West Bengal	5	Gujrat	6	Delhi
7	Uttarakhand	8	Karnataka	9	Uttar Pradesh
10	Odisha	11	Goa	12	Telangana

19. CONTRIBUTION AS AN EXPERT

:

14

Sr.	Position	Organization	Date(s)
1	Subject Expert in Physics for Faculty Recruitment	BVMBSK Kanya Mahavidyalaya, Kadegaon	23 August 2022
2	Subject Expert in Physics for Faculty Recruitment	Miraj College, Miraj	17 October 2022
3	Subject Expert in Physics for Faculty Recruitment	Miraj College, Miraj	14 December 2021
4	Subject Expert in Physics for Faculty Recruitment	BVMBSK Kanya Mahavidyalaya, Kadegaon	03 December 2021
5	Evaluator	National Anveshika Network of India (NANI), National Anveshika	November- December,

		Experimental Skill Test (NAEST) 2020.	2020
6	Evaluator for Poster Presentation	Libral Arts, Sanjay Ghodawat University, Kolhapur	February 2019
7	Evaluator for Poster Presentation	Sanjay Ghodawat International School, Atigre	June 2019
8	Internal Examiner for Theory, Practical and Project	Department of Physics, Sanjay Ghodawat University, Kolhapur	June 2017-2020
9	Expert for SRF Interview	For RESPOND Project, Department of Physics, Smt. Kasturbai Walchand College, Sangli.	
10	External Examiner for Practical and Project	Department of Physics, Sanjay Ghodawat University, Kolhapur	From November, 2020
11	Expert	Program Monitoring Committee for promotion of Space Science Research at Department of Physics, Shivaji University, Kolhapur	From 27 August, 2019
12	Interview Panel Member of MSBTE	Sanjay Ghodawat Polytechnic, Atigre	June 2016
13	Subject Expert for Faculty Recruitment	Department of Physics, Sanjay Ghodawat University, Kolhapur	June 2017-2020
14	Paper Setter	B.Sc. and M.Sc. Department of Physics, Sanjay Ghodawat University, Kolhapur	

20. AWARDS AND HONOURS : 07

Sr.	Title of the Award	Instituted by	Date
1	Best Researcher Award	ScienceFather	03 November, 2020
2	Best academic Performer Award-2019	Sanjay Ghodawat University, Kolhapur for academic year 2017-2018,	11 January, 2019
3	Young Researcher	by hands of Eminent Scientist Prof. R. A. Mashelkar at Sanjay Ghodawat University, Kolhapur	12 November, 2018.
4	Young Scientist, a Special Teacher Award-2018	Devdan Bahuuddeshiy Sevabhavi Sanstha, Kupwad (Sangli)	16 September, 2018
5	Adarsh Yuva Purskar	by the Prashik Welfare Association, Kumbhoj,	14 April, 2017
6	Received	from Department of Science and	2015

	International Travel Grant (ITG)	Technology (DST) through Science and Engineering Research Board (SERB) Government of India to present research paper at Montreal, Canada for Joint Assemble 2015, was organized by the American Geophysical Union.	
7	Research Assistant	DST-PURSE in the Department of Physics, Shivaji University, Kolhapur	03 September, 2011 to 05 May, 2014

21. OTHER ACTIVITIES (if any) : Article Published in Regional Language: 12

Sr.	Title of Article	Publisher's	Date(s)
1	Mystery of the Universe (ब्रह्मांडांचे रहस्य)	Pudhari Newspaper	01 January, 2021
2	This is the Appreciation of Albert Einstein's Theory (हा तर अल्बर्ट आईन्स्टाईन यांच्या सिद्धांताचा सन्मान)	Lokmat Newspaper	18 October, 2020
3	Light Emitted From Thunderstorm: Lightning (वादळी ढगातून उत्सर्जित होणारी प्रकाशज्योत: वीज प्रताप)	Lokmat Newspaper	02 June, 2020.
4	India's Deepest in Space Research (भारताची अंतराल संशोधनात भरारी)	Pudhari Newspaper	02 January, 2020.
5	Environment and Ozone (ज्यावाळरण आणण ओझोन)	Pudhari Newspaper	16 September, 2019
6	ISRO Sculptor Dr. Vikram Sarabhai (इस्रोचे शिल्पकार डॉ. विक्रम साराभाई)	Bahar, Pudhari Newspaper	11 August, 2019
7	The Heat Wave- A Scientific Approach (उष्णतेची लाट- एक वैज्ञानिक दृष्टीकोन)	Bahar, Pudhari Newspaper	14 April, 2019.
8	Astro steps on the moon with indigenous satellite: Chandrayaan 2 (इस्रोचे पाऊल चंद्रावर स्वदेशी उपग्रहाने: चांद्रयान २)	Bahar, Pudhari Newspaper	03 March, 2019
9	Ozone Remedy and Damaging (ओझोन उपायकारक आणि अपायकारक)	Bahar, Pudhari Newspaper	16 September, 2018
10	Symbol of Positivity (सकारात्मकतेचे प्रतीक)	Maharashtra Time	05 September, 2018.
11	The eclipse and the secrets behind it (ग्रहण व त्यामागील रहस्य)	Lalkar Newspaper	27 July, 2018

12	A golden opportunity to become a Space Scientist after class XII (बारावीनंतर अवकाश वैज्ञानिक होण्याची सुवर्णसंधी)	Daily Punyanagari	19 June, 2018.

I have established the **Center for Space and Atmospheric Science (CSAS)** at Sanjay Ghodawat University, Kolhapur in collaboration with **Indian Institute of Tropical Meteorology (IITM), Pune, Ministry of Earth Science, Government of India** to study the atmospheric dynamics, herein, we have installed **Lightning Detector** having capacity to detect lightning activity over 200 km radial distance, **Sodar System** to measure the wind profile in 3D form i.e. in vertical, zonal, and meridional up to 2km altitude, **Compact Weather Station** to measure the temperature, humidity, pressure, wind direction and speed and rainfall etc, **Super SID** to study the sudden ionospheric disturbances, specially D-region dynamics, **Microtop-II Ozonometer** to measure the ozone, water Vapor and aerosol of the atmosphere.

To inaugurate the CSAS, I have organized **First National Conference on Space and Atmospheric Science (NCSAS-2019)** at Sanjay Ghodawat University, Kolhapur in collaboration with the Indian Institute of Tropical Meteorology (IITM), Pune, Indian Institute of Geomagnetism (IIG), Mumbai, on **10th and 11th May, 2019**. More than 25 scientists, 100 research students' participants and 50 academicians were present.

During my M. Sc. (2009-2010) project work, I have successfully completed project work entitled "Study of the production of NO_x and corresponding ozone depletion during major solar proton events of the 23rd solar cycle over Payrne, Switzerland". The present project work is published in Journal of Earth Moon and Planet, Springer Nature, 2015. After completion of M. Sc. degree, since 2010, I have devoted my time to do research and earned Ph. D. degree by entitled thesis "**Study of Ionospheric Dynamics Using Night Airglow Emission**" under the guidance of Dr. A. K. Sharma in Department of Physics, Shivaji University Kolhapur. While doing

	<p>Ph.D. work I have studied in detail about characteristics of the equatorial plasma bubbles (EPBs) using images of nightglow OI 630.0 nm emission recorded by all sky imager (ASI). The ASI has installed by the Indian Institute of Geomagnetism, Navi Mumbai at Shivaji University, Kolhapur. I have developed a new formula to convert the pixel distance of OI 630.0 nm images into the actual distance in ionosphere using geometry of airglow emission layer. This work is published in the journal of 'Current Science'. One of processed image of this work is published on the cover page of Current Science in the same issue (25 April 2014). The member of Program Monitoring Committee for promotion of Space Science Research through the Department of Physics, Shivaji University, Kolhapur.</p>	