

CV



1. Full name: **SHARMA ASHOK KUMAR**
2. Father's name: SH. SHANTI SWARUP SHARMA,
3. Date & place of birth: 10-01-1958, Dhaulana (Ghaziabad), U. P.,
4. Marital status: Married
5. Current designation and address: **Professor & Head**
School of Physics, Shri Mata Vaishno Devi University,
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6. Permanent Address: 18/2, Jagrati Vihar,
Meerut- 250 004, U.P.

7. Caste and religion: **Brahamin, Hindu**

8. Whether SC/ST: **No**

9. Nationality: **Indian**

10. Educational Qualification: **M. Sc., M. Phil., Ph D., PDF & RA**

❖ Research Associate of **CSIR**, New Delhi (28.6.90 to 7.4.92) in Physical Research Lab.(PRL)

❖ Postdoctoral fellow of **PRL** (16.6.'88 to 15.6.'90)

Certificate/ Degree	Board/University	Year of Passing	Main Subjects offered	Marks in %	Div.
*Ph. D.	Physical Research Laboratory, (Dept of Space, Govt. of India) (Gujarat University, Ahmedabad)	1988	Physics (Radio Astronomy) Thesis on “Studies of Interplanetary Medium Using Interplanetary Scintillation”	-	-
M. Phil.	Institute of Adv. Studies Meerut University, Meerut	1983	Physics (Project on “Zinc oxide Thin Films”)	61	I
M. Sc.	Institute of Adv. Studies Meerut	1981	Physics (Electronics	56.78	II

	University, Meerut		as specialization)		
B. Sc.	Meerut University, Meerut	1978	Physics, Maths, Chemistry	61.3	I
Intermediate	UP Board of Secondary Education, Allahabad	1976	Physics, Maths, Chemistry,English, Hindi	52.8	II
High School	---Do---	1974	Science,Maths,Englis h ,Hindi,Sanskrit	64	I

***Fortunately, i) Sir C V Raman (Nobel Laureate) is my great grand guide for Ph.D.**

ii) I worked with/under the supervision of Prof Antony Hewish (Nobel Laureate, Pulsar discoverer) when he visited our group in PRL as a Vikram Sarabhai Professor.

iii) My thesis was evaluated by an external referee in the group of Prof Antony Hewish in Cambridge.

- Postdoctoral studies for about **4 years**.
- Ph. D. Thesis submitted on **15.6.1988**
- Degree awarded on **31.12.1988**.

11. Papers published: 157 (Including papers presented/published in conferences)

(out of these, 2 papers are published in NATURE)

12. Projects a) completed (major): 3 (1 as PI)

b) Reviewed: I Reviewed one Project proposal (no. 1651063/2016) submitted to NSF (USA)

13. Books Published: 1

A.V. Patil, **A. K. Sharma** & S. A. Patil, ISBN 978-3-8465-8579-5, **LAMBERT Academic Publishing**, Title: "Study of the geo-seismology and its effect on the ionosphere"

14. Research work Guided:

a) M. Phil. : awarded: 2

b) Ph.D. – Awarded 18, Submitted 01

Total: 21 (M Phil and Ph.D.) (3 of these are under co-guide ship)

(Additionally, I have supervised Projects of more than **150 M.Sc.** students)

15. Research experience:

(Exclusive) before joining as a lecturer: about 11 years the break up of which is as follows-

- i.** During M. Phil. about 1 year
- ii.** During Ph.D. about 6 years and
- iii.** During Postdoctoral studies about 4 years.

16. Last salary drawn: i) Rs.1,74,018 (as per 6th CPC), as a Professor in Shivaji University, for the month of January 2018 ii) Rs.120712.0 (Basic Rs.110470 & DA Rs.9942.0) in Shri Mata Vaishno Devi University (after excluding pension for my service in Shivaji university).

17. Teaching &/research experience: (after Ph D) from 16.6.1988

Sr No.	Designation/Post	Name of the Institute/university	Duration from to	Duties
1.	Professor & Head of Dept./ School (PG dept).AGP10000 Scale:37400-67000	Shri Mata Vaishno Devi University,Kakryal,Katra -182320 (J&K)	Professor-24.7.2018 Contd. Head-26.7.2018 Contd	Teaching, Research & Department's responsibilities
2	Professor(PGdept).AGP10000 Scale:37400-67000	ShivajiUniversity, Kolhapur	7.4.2010 31.1.2018	Teaching,Research, Exams.&also workedin Dept/Univ. committees
3	Associate Professor (in PG dept).	ShivajiUniversity, Kolhapur	7.4.2003 6.4.2010	----Do----
4	Sr. Lecturer (in PG dept).	ShivajiUniversity, Kolhapur	7.4.1997 6.4.2003	----Do----
5	Lecturer (in PG dept).	ShivajiUniversity,Kolhapur	7.4.1992 6.4.1997	----Do----
6	Research Associate of CSIR	Physical Research Laboratory (PRL), Ahmedabad (Dept of Space, (Govt. of India)	28.6.1990 7.4.1992	Research
7	Postdoctoral fellow of PRL	----Do----	16.6.1988 to15.6.1990	Research

- In addition to Physics Dept, I've also contributed in the teaching of Dept of Environment Science in Shivaji University, Kolhapur(SUK).

18. Exam. related experience: Conducted Exams. in University (and set question papers and evaluated answerbooks, etc)(I also worked as a chairman and coordinator of M ScExam.in dept of SU from 2012-2015) and also conducted University's entrance Exams in New Delhi during 2006-08 (2-3 times),

Now I am involved in exam activities , as a Professor & Head, in SMVDU also.

19.Positions Held: Professor & Head, School of Physics, Shri Mata Vaishno Devi University (SMVDU), Kakryal, Katra-182320(J&K).

Earlier Professor & i)In-charge space & earth science lab.,ii)coordinator,Space Research Centre,Panhala both till 31.1.2018 in SU

20. Countries visited: Vatican, Italy, USA, France, Brazil and Canada

21.Citation: 246; h-Index: 09; i-10 Index: 09(as per Google Scholar)

RG score:28.83(As on 26/03/2019)

22. Membership of professional bodies etc.

- i) I am a member of Astronomical Society of India.
- ii) I was a member Indian Science Congress Association
- ii) I was a member Indian Physics Association
- iii) I was Associate of IUCAA, Pune for 3 years.

23. Honours/Prizes/Awards:

- i. Meerut Vigyan Sancharak Award (2002)

- ii. During my school and college days, I won prizes in debates, drama, sports, and GK tests.
- iii. I have undergone extensive training of NCC for 2 years and I have also worked in NSS for 2 years and worked in 2 camps.
- iv. On the basis of High School exam performance, I got merit scholarship from Madhyamic Shiksha Parishad, U. P., Allahabad
- v. Got Meerut university scholarship during MPhil
- vi. I was selected by PRL; Ahmedabad (atthenational level) for its fellowship during Ph. D. and Postdoctoral studies
- vii. I was selected and awarded RA Ship by CSIR, New Delhi.
- viii. On invitation, I attended "Spring college on Geomagnetism & Aeronomy" by ICTP, Trieste, **Italy**.
- ix. Participated and presented a paper in a workshop on Electromagnetic Studies of Earthquakes and Volcanoes, at Chapman University, Orange CA, **USA**.
- x. Participated and presented a paper in "2nd International DEMETER workshop" held at CNES, HQ, Paris, **France**
- xi. Worked on BDA in National Institute for Space Research (INPE), **Brazil** as a **Visiting Professor** (1.3.12 to 30.4.12)
- xii. Participated, presented a paper and **also chaired the session of keynote talks session** in 5th International Conference on Geo-information technologies for Natural Disaster management (GiT4NDM 2013) at Dewey College, **Mississauga**, Ontario, **Canada**, Oct 9-11, 2013.
- xiii. Selected for Great Achiever of Education Excellence Award "bestowed by Health & Education Development Association, Delhi.
- xiv. Participated, presented a paper and also **chaired the 1st session of keynote talks** in one day **International Conference on "Emerging Trends in Basic and Applied Sciences (ETBAS 2015)"** at Karmaveer Hire Arts, Science, Commerce, and Education College, Gargoti, on 10.3.15
- xv. **Member of Editorial board of Journal of Earth Sciences (Betty Jones & Sisters publishing)**

24. Others:

- a) **I WAS THE FIRST PERSON ANYWHERE IN THE WORLD, TO MAKE SUCCESSFUL RADIO OBSERVATIONS OF A QUASAR OCCULTED BY THE PLASMA TAIL OF THE COMET HALLEY IN DECEMBER 1985. THESE GAVE ME 2 PAPERS IN NATURE AND FEW PAPERS IN OTHER JOURNALS. LATER OTHER GROUPS FROM INDIA, AUSTRALIA & UK ALSO MADE SIMILAR OBSERVATIONS.**
- b) After passing my M. Sc. (in 1981) and before joining as a Lecturer in Shivaji Univ. in 1992, I devoted my time in doing research and earned my M. Phil. in 1982-83 (Meerut Univ.), Ph D (1982-1988) from PRL, Ahmadabad and from 1988 to 1992, I continued my research again in PRL (as Postdoctoral Studies), first as a postdoctoral fellow of PRL and since 28.6.1990 as a Research Associate of CSIR. So at the time of joining of Shivaji Univ. (on 7.4.1992), I already had exclusive research exp. of about 11 years.
- c) I have worked as a member of interview board for the National Talent Search of NCERT, New Delhi. iv) I was a paper setter for one of the State Public Service Commission.
- d) **Convened**, successfully (on behalf of Shivaji University) i) National Science day 2009 celebrations Feb 24-28, 2009. ii) 2nd National Seminar on Physics of Materials and Materials Based Device Fabrication (NSPM-MDF-2013) 4-5 Jan. 2013
- e) Evaluated (many times) scientific models of school students for "INSPIRE" awards as a mentor of

DST, New Delhi

f) **Delivered invited talks in –**

- I. D Y Patil University, Kolhapur, on the concluding day of National Science Day 2009 celebrations (as a chief guest).
 - II. D Y Patil College of Engg. & Tech, Kolhapur (as a resource person) during National Prog. For capacity Bldg. of architects in Earthquake Risk Management on 9.11.09.
 - III. Dayanand College, Solapur (as a resource person) during a seminar on "Recent advances in Helio Physics" on 6.2.2010.
 - IV. National Conference on Natural Hazards And Mitigation (NCNHM-2012) (as a resource person), held At Eshan College of Engineering, Farah (Mathura) on 4th And 5th December 2012
 - V. One day national level (UGC sponsored) seminar "Explore Physics" (as a chief guest) at Changu Kana Thakur A.C.S. college, New Panvel on 23.12.13 on "Sun and its activities".
 - VI. During INSPIRE program at Dayanand Science College, Latur during INSPIRE prog of DST, New Delhi on 22.6.14, as a resource person
 - VII. During INSPIRE program in Gopal Krishna Gokhale college, Kolhapur during INSPIRE prog of DST, New Delhi on 8.12.14, as a resource person.
 - VIII. UGC sponsored Two days national conference on "Recent Advances in Astrophysics and Space Science" at GIBagewadi ASC (PG) College Nipani, Dec. 19th & 20th 2014 on "Sun its structure and its energy sources"
 - IX. During INSPIRE program in Amdar Shashikant Shinde Mahavidyalaya, Medha (Satara) during INSPIRE prog of DST, New Delhi on 9.3.15, as a resource person
 - X. During regional seminar on 9.7.15 at Kadi Sarva Vishwavidyalaya, Gandhinagar
 - XI. Bharat Instt. of Technology, Sonapat, Haryana on 12.9.2016 on "A Technology for Sensing Geo-cosmic coupling energy to control National Disaster"
 - XII. Dept of Physics, C C S University, Meerut on 20.9.2016 on "Earthquakes and their studies using ground-based and Spaceborne Techniques and Attempt for their Prediction"
 - XIII. In Devchand College, Arjunagar (Kolhapur) during INSPIRE prog of DST, New Delhi on 21.10.16, as a resource person.
 - XIV. In Kadi Sarva Vishwavidyalaya, Gandhinagar on 18 & 19 July 2017
 - XV. In Central University Jammu during National workshop on 11.19.18 on i) India's Navigation Satellite System ii) Role of the Ionosphere in Communication.
- g) I was involved in the popularization of science (astronomy) among students and the general public.
- h) I have attended 92 (24 international and 68 national) scientific meetings, etc in India and abroad (including 1 orientation and 3 refresher courses).
- i) Languages knew: Hindi, English, Sanskrit, Russian, Marathi, Gujarati & French.

References Name, designation, address, e-mail, contact numbers:

- i) Dr. Saumitra Mukherjee, Professor, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi-110067 E-mail: saumitramukherjee3@gmail.com, Phone: 9313908512
- ii) Dr. Hari Om Vats, Professor (Retd), Physical Research Laboratory, Ahmedabad-380 009 E-mail: vats@prl.res.in, sushilavats@gmail.com

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iii) Dr. K.N.Iyer, Professor and former Head (Retd.), Department of Physics, Saurashtra University, Rajkot-360005

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Research Work Done

When I joined, in 1982; PRL, Ahmedabad had a radio telescope operating at 103 MHz. It consisted of the full wave dipole antenna array with physical area ~ 5000 m², pre-amplifiers attached to each open wire transmission line, beamforming network (Buttler matrix), correlation receiver, analog and digital recording devices.

I participated in doubling the physical area of the antenna in two stages, first from 5000 m² to 10000 m² and then from 10000 m² to 20000 m², overall improvement in its performance (e.g. sensitivity, etc.), along with other members of radio astronomy team. I had also participated in the installation of the similar telescope at Surat with physical area ~ 5000 m².

During the above-mentioned **I had a chance to work with/under supervision of Prof Antony Hewish (Nobel Laureate, Pulsar discoverer) when he visited our group in PRL as Vikram Sarabhai Professor**

Using Thaltej (Ahmedabad) radio telescope, I have made observations of the sun, radio sources (quasars, galaxies etc.), solar wind, pulsars and scintillations of a radio source occulted by the plasma tail of comet Halley in 1985, etc. A sky survey of radio sources observable from this telescope +/- 30° around local zenith) was also made. The data was analyzed and interpreted and research papers were also published. The above-mentioned work was done during my Ph. D. and Postdoctoral studies tenure (1982-83 to 1991-92) in PRL. I had also worked in RAC, Ooty, in 1984, for about a month.

The observation and results regarding comet Halley are unique which are published in 2 papers in NATURE and in few other papers published in other journals.

During March 1 to April 30, 2012, I had worked, as a Visiting Professor, on Brazilian Decimeter Array of National Institute of Space Research (INPE), Brazil and completed a project "Determination of the BDA baselines from observed interferometer fringes".

After joining Shivaji University as a Lecturer in 1992, I had been involved in the study of

- i) The sun at 10.7cm,
- ii) Ionosphere using IONOSONDE and
- iii) Measurement of sky/star/planet's brightness using current photometer.
- iv) Study of the earth's magnetic field using proton precession magnetometer
- v) Study of celestial objects using C+5 Celestron telescope (I also used this telescope for the popularization of science (astronomy) among students and the general public).
- vi) Study of the earthquakes using seismic observatory and Ulf/VLF induction coil magnetometer.

Completed one project sanctioned by D.S.T./MoES, New Delhi worth about 14.6 lakh Rupees (excluding the cost of the equipment of worth about 7 lakhs) to study the pre-cursors (using ULF/VLF sensors) of earthquakes.

As a founder coordinator (till 31.1.2018), I developed Space Research Centre at Panhala, at about 900m above mean sea level and about 25 Km west of Kolhapur. Here we have installed, among

others, ISRO's IRNSS receiver

We studied the coronal mass ejections and their geoeffects using imaging Riometer technique at high latitudes.

In collaboration with IIG, Mumbai, I were involved in the following-

- i) Study of the ionosphere using scintillations at 251 MHz
- ii) Study of the ionosphere/mesosphere using MF (pr) radar
- iii) Study of the atmosphere using night airglow observation.

We had also made measurements of field strength during solar eclipses of Oct.24, 1995 and Aug. 11, 1999. Solar flux measurements at 10.7 cm to study the variability of the sun and also during an eclipse of Aug 11, 1999, were made.

I had been involved in the popularization of science (astronomy) by delivering lectures and by arranging night observations using C+5 Celestron telescope. We observed solar flares and photographed them on April 5, 2006, using Celestron telescope, CCD camera, neutral filter and digital camera.

Prior to this, during my M. Phil. (1981-82), I studied Zinc Oxide Thin Film after its deposition by chemical bath deposition technique. In Shivajiuniv. also, I have been involved in thin film study.

List of Publications

A. Books Published:

A. V. Patil, **A. K. Sharma** & S. A. Patil, ISBN 978-3-8465-8579-5, LAMBERT Academic Publishing, Title: "Study of the geo-seismology and its effect on the ionosphere"

B. Chapter included in the book:

1. "A search for precursors of Earthquakes from multi-station Ulf observations and TEC measurements in India" Published in book *Frontiers of Earthquake prediction studies*. Ed.-M Hayakawa, Nihon-Senmontoshi-Shuppan pub. Co., Tokyo, 2012, ISBN 978-4-931507-16-6, p700-715.
2. R. V. Bhonsle, S. K. Alurkar, S. S. Degaonkar, H. O. Vats, and **A. K. Sharma**, 1986, "Exploration of Heliosphere by Interplanetary Scintillation", *The Sun and Heliosphere in Three Dimension*, pp153-158, Proceedings of the XIXth ESLAB Symposium, held in Les Diablerets, Switzerland, 4-6 June 1985 by R. G. Marsden, Publisher- Springer Netherlands. ISBN: 978-94-009-4612-5.

C. Papers published:

1. S. K. Alurkar, H.O.Vats, R. V. Bhonsle & **A. K. Sharma**, 1985, "Detection of Large-Scale Electron Density Irregularities during IPS Observations at 103 MHz", *Proc. of Indian Academy of Science (Earth & Planetary. Science)*, 94, 77-81. ***I.F. 4.7***
2. S. K. Alurkar, R. V. Bhonsle & **A. K. Sharma**, 1986, "Radio Observations of PKS 2314+03 During Occultation by comet Halley", ***Nature 322, 439 - 441 (31 July 1986); doi:10.1038/322439a0. I.F. 38.1***
3. S. K. Alurkar, R. V. Bhonsle & **A. K. Sharma**, 1985, "Interplanetary Scintillation of PKS 2314+03 During Occultation by comet Halley" *Adv. Space Research*, 5, 297-300. ***I.F. 1.409***
4. S. K. Alurkar, **A. K. Sharma**, P. Janardhan & R. V. Bhonsle, 1989 "Quasar Enhanced" ***Nature 338, 211-212 doi:10.1038/338211c0. I.F. 38.1***
5. R. V. Bhonsle, S. K. Alurkar, A. D. Bobra, K. S. Lali, N. S. Nirman, P. Venat, **A. K. Sharma** & P. Janardhan, 1990 "Interplanetary Scintillation Network for Three Dimensional Space Exploration In India" *Acta Astronautica*, 21, 189-196. ***I.F. 1.095***

6. **A K Sharma**, 1992 "On the Observations of Radio sources occulted by Ion-Tail of Comets", Current Science, **63**, 82-87. *I.F. 0.926 (2015)*
7. M. B. Dongre, T. B. Mane, **A. K. Sharma**, R. N. Thokale, and D. B. Jadhav, 1999, "Total Ozone measurement in the atmosphere using portable visible Spectrometer", Asian Chemistry Letters, 3, 190-194. *I.F.*
8. **A K. Sharma**, P. S. Patil, & T. P. Sharma, 2000, "Chemical bath deposited ZnO thin film", Bulletin of Electro-Chemistry, 16 (8), 367-369. *I.F. 0.33*
9. **A K. Sharma**, 2002, "Naked eye observations of meteors from Kolhapur (16° 42' N, 74° 14' E)", Journal of Shivaji University (Science) 37, 41-49. *I.F.*
10. S. A. Masti, **A. K. Sharma**, P. N. Vasambekar, A. S. Vaingankar, 2006 "Influence of Cd²⁺ and Cr³⁺ substitutions on the magnetization and permeability of magnesium ferrites", Journal of Magnetism and Magnetic Materials, 305, 436-439. *I.F. 2.357*
11. P. T. Patil, S. Gurubaran, R. Rajaram, **A. K. Sharma** and R. V. Bhonsle 2007 "Mesospheric winds from 70 to 98 km altitude over low latitude station Kolhapur by a Partial Reflection Radar", Bull. Astr. Soc. India, 35, 561-568. *I.F. 3.89*
12. R. V. Bhonsle, **A. K. Sharma**, P. T. Patil, Arun S. Powar, P. P. Waichal, R. S. Vhatkar, K. J. Patil and J. S. Samat, 2007 "Proposal for creating a center for Research in Solar-Terrestrial Physics as an Inter-departmental Activity during IHY at Shivaji University, Kolhapur (16.40° N, 74.15° E)", Bull. Astr. Soc. India, 35, 713-716. *I.F. 3.89*
13. Uday Jagtap and **A. K. Sharma**, 2008 "Some characteristics of F-region plasma depletions during geomagnetic quiet conditions using OI 630.0 nm Nightglow emissions at Kolhapur (16.80 N; 74.20 E) "Asian Journal of Chemical and Environmental Research, 1, 28-32. *I.F.*
14. **A K Sharma**, A. V. Patil, R. N. Haridas and R. V. Bhonsle, 2008, "ULF Emissions Associated with Seismic Activity Recorded at Kolhapur Station", Current Science, 94, 1034-1037. *I.F. 0.926 (2015)*
15. U. S. Jagtap, **A. K. Sharma**, 2008, "OI 630 nm Nightglow Observations from Kolhapur (GEOG. LAT., 16.80 N; LONG. 74.20 E) Using Tilting Photometers during the Magnetically Quiet and Disturbed Nights", Asian Journal of Chemical and Environmental Research, Vol.1 (2-3), 15-21. *I.F.*
16. **A K Sharma**, R. N. Haridas, A. V. Patil and R. V. Bhonsle, 2008, "Study of ULF/VLF Magnetic Field Fluctuations Associated with Moderate Earthquakes by Using Induction Coil Magnetometer at Kolhapur (16.70 N; 74.250 E)", Asian Journal of Chemical and Environmental Research, Vol.1(2-3), 22-27. *I.F.*
17. P. T. Patil, G. K. Mukherjee, **A. K. Sharma** and R. R. Mudholkar, 2009, "High-Gain Transimpedance Amplifier (TIA) for Night Airglow Photometer", International Journal of Electronic Engineering Research, Vol.1 No.2, 109-116. ISSN 0975- 6450. *I.F.*
18. F. Dudkin, Gautam Rawat, B. R. Arora, V. Korepanov, O. Leontyeva and **A.K. Sharma**, 2010, "Application of polarization ellipse technique for analysis of ULF magnetic fields from two distant stations in Koyna-Warnaseismic active region, West India" Natural Hazards and Earth System Science, Vol.10, 1513-1522. *I.F. 2.277*
19. **A K Sharma**, M. V. Rokade, R. Kondala Rao, S. Gurubaran and P. T. Patil, 2010 "Comparative study of MLT mean winds using MF radars located at 16.8° N and 8.7° N" J. Earth Syst. Sci., 119, No.4, 461-470. *I.F. 0.695*
20. U. S. Jagtap, **A. K. Sharma** and P. T. Patil, 2010 "Signature of Plasma depletions Using OI 630.0 nm Nightglow Observations From 17° N Latitude" Asian Journal of Chemical and Environmental

21. **A K Sharma**, A. V. Patil, R. V. Bhonsle R. S. Vhatkar, and P. Subrahmanyam, 2011 “Seismic Effects in F2 Region Related to Electron Temperature” *Geophysical Journal*, vol. 33, No 2, 1-11. *I.F.* **2.420**
22. **A K Sharma**, S. S. Nikte, M. V. Rokade, R N. Ghodpage, D. P. Nade, P. T. Patil and R.V.Bhonsle, 2011 “Observations of cosmic radio noise using Riometer at low latitude station, Kolhapur, *Asian Journal of Chemical and Environmental Research*.Vol. 4 (3-4), 105-107, 2011.*I.F.*
23. R. N. Ghodpage, P. T. Patil, S. S. Nikte, M. V. Rokade, U. S. Jagtap and **A. K. Sharma**, 2011 “Study of atmospheric waves over low latitude Kolhapur using night airglow technique” *Asian journal of chemical and environmental research*, Vol.4 (3-4), 18-22, July-October (2011). *I.F.*
24. **A K Sharma**, A. V. Patil and R. N. Haridas, **2011** ” Investigation of Ulf Magnetic Anomaly Before Moderate Earthquakes” *Exploration Geophysics*,43, 36-46, 2011. *I.F.* **1.197**
25. **A K Sharma**, S. S. Nikte, M. V. Rokade, D. P. Nade, R. N. Ghodpage and R. V. Bhonsle (**2012**), Study of variations in the absorption of cosmic radio noise using Riometer at Casey station, *Scholars Research Library, Archives of Physics Research*, 2012, 3 (2):149-155. *I.F.*
26. **A. K. Sharma**, D. P. Nade, S. S. Nikte, R. N. Ghodpage, P. T. Patil, M. V. Rokade and R. S. Vhatkar (**2012**), 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*, Vol. 03 (02), 746-750. *I.F.* **3.47**
27. Vishal Chauhan, O. P. Singh, Uma Pandey, Birbal Singh, B. R. Arrora, GautamRawat, B. M. Pathan, A. K. Sinha, **A. K. Sharma**& A. V. Patil(**2012**), A search for precursors of earthquakes from multi-station ULF observations and TEC measurements in India, *Indian Journal of Radio & Space Physics*, Vol. 41, October 2012, pp 543-556. *I.F.*
28. **A. K. Sharma**, D. P. Nade, R. P. Pawar, R. S. Vhatkar, S. S. Nikte, R. N. Ghodpage, P. T. Patil, M. V. Rokade (**2012**), Ground-level enhancement occurred during the SPE period on 28 October 2003: A case study, *International Journal of Environmental Sciences Volume 3 (3)* 1161-1168. *I.F.*
29. **A. K. Sharma**, R. N. Haridas, A.V. Patil,S. S. Nikte(**2012**), Study of Ultra Low-Frequency signals (0.01-10 Hz) associated with moderate Earthquake occurred in Koyna region using the induction type magnetic sensor, *Scholars Research Library, Archives of Physics Research*, 2012, 3 (5):320-324. *I.F.*
30. M. V. Rokade, R. Kondala Rao, S. S. Nikte, R. N. Ghodpage, P. T. Patil, **A. K. Sharma** and S. Gurubaran(**2012**), Intraseasonal oscillation (ISO) in the MLT zonal wind over Kolhapur (16.8°N) and Tirunelveli (8.7°N) ,*Ann. Geophys.*, 30, 1623–1631, 2012. *I.F.* **1.731**
31. **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,2014 “Development of Fast Image Analysis Technique for All-Sky Images”, *Current Science*, 106(08):1085-1093,2014.*I.F.* **0.926 (2015)**
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27. **A. K. Sharma**, R.S.Vhatkar, K.D.Jadhav, and M.V.Rokade, 2006 "Studies of Sources on the Sun of Geo-effective Solar Events" **NOTE**: Paper nos. 21 to 27 was presented in 2nd UN/NASA Workshop on International Heliophysical Year and Basic Space Science held at IIA, Bangalore.
28. **A. K. Sharma**, R. N. Haridas, A. V. Patil and R. V. Bhonsle, 2007, "Preliminary results of ultra-low frequency emission associated with earthquakes occurred in Koyna region" presented in Golden Jubilee Symposium on Radio science (INCURSI-2007) held at NPL, New Delhi
29. Korepanov V., Arora B., Dudkin F., Rawat G., **Sharma A**, 2007, "ULF seismomagnetic signals analysis" presented in IUGG XXIV General Assembly, Perugia, Italy; 07/2007
30. Leontyeva O., Arora B., Dudkin F., Rawat G., **Sharma A**, 2007 "Estimations of magnetic coseismic polarization parameters for Koyna earthquakes" presented in IUGG XXIV General Assembly, Perugia, Italy; 07/2007
31. **A. K. Sharma**, A. V. Patil, S. S. Nikte, R. N. Haridas, M. V. Rokade, R. V. Bhonsle and Michel Parrot, 2010, "Study of Ionospheric Perturbations over Seismic regions using DEMETER satellite" Presented in 16th National Space Science Symposium held at Saurashtra University, Rajkot Feb 24-27, 2010
32. **A. K. Sharma** and A. V. Patil, 2010 "Precursory Behavior of Fractal Characteristic of the ULF data Associated with Moderate Earthquake at Koyna-Warna Region". Presented in a workshop on Electromagnetic Studies of Earthquakes and Volcanoes, at Chapman University, Orange, CA, USA., Oct. 3-6, 2010.
33. **A. K. Sharma**, A.V. Patil, R. N. Haridas and R.V. Bhonsle, 2010 "ULF Geomagnetic Anomalous

Changes Possibly Associated with Moderate Earthquake“

34. **A. K. Sharma**, R. N. Haridas, A.V. Patil and R.V.Bhonsle,2010,“Study of precursory signals associated with moderate earthquakes in the Koyna region using 3- axis ULF/VLF induction type magnetic sensor”
35. B R. Arora, GautamRawat, F. Dudkin, V. Korepanov and**A. K. Sharma**,2010,“Source Location of Seismo-ULF Electromagnetic Signals from Koyna-WarnaSeismoactive Region, West India using Polarization Ellipse Technique”
36. **A K Sharma**, D. P. Nade, R. P. Pawar, S. S. Nikte and Dr. R. S. Vhatkar, 2010 “Effect of major solar proton events during the 23rd solar cycle on production of NO_x and corresponding ozone depletion over station Payerne, Switzerland” Presented in International conference on climate change Perspectives and Projections (ICCC-2010) -A system approach ,held at Osmania University, Hyderabad ,India,9-11 December, 2010.
37. **A. K. Sharma**, S. S. Nikte, R. N. Ghodpage, P. T. Patil, A. V. Patil, M. V. Rokade, and R. V. Bhonsle 2011 “Observations of cosmic radio noise through ionosphere by using Riometer at Kolhapur station” Presented in National Conference on Advances in Atmospheric Remote Sensing, Weather Prediction & Climate Change ARWPCC-2011, held at S.V.Univ., Tirupati, India, March 10-12, 2011
38. **A. K. Sharma**, A.V. Patil and Michel Parrot, 2011 “Detection of ionospheric perturbations associated with earthquake using data of IAP and ISL instruments of DEMETER satellite. Presented in “2nd International DEMETER workshop” held at CNES, HQ, Paris, France
NOTE: Papers nos.33 to 35 were presented in an international workshop on Seismo-electromagnetics and Atmospheric Science (IWSE-AS 2010) held at R BS College, Agra from 16 to 18 November 2010.
39. **A. K. Sharma**, S. S. Nikte, R. V. Bhonsle, R. Ghodpage, D. P. Nade, M. V. Rokade and P. T. Patil, 2012, “Study of cosmic radio noise passing through the ionosphere using Riometer” National seminar of Role Radars in Atmospheric & Ionospheric Studies (RAISE’12), Jan. 4-5, 2012 held at Dept of ECE, K L University, Vaddeswaram, A. P., India
40. **A. K. Sharma**, D. P. Nade, S. S. Nikte, R. N. Ghodpage, P. T. Patil and M. V. Rokade ,2012 “Study of ionospheric plasma depletion using all sky imager over Kolhapur region, India
41. **A. K. Sharma**, D. P. Nade, R. S. Vhatkar, S. S. Nikte, M. V. Rokade ,2012.“Concentration of Surface Ozone Decreases during Major Solar Proton Events”
42. R. N. Ghodpage, A. Taori, P. T. Patil, D. P. Nade, S. S. Nikte, **A. K. Sharma** and S. Gurubaran, 2012 “Atmospheric wave characteristics in mesospheric OH airglow emissions from low latitude”
43. M. V. Rokade, S. S. Nikte, D. P. Nade, R. N. Ghodpage, P. T. Patil, **A. K. Sharma** & S. Gurubaran , 2012 “Intraseasonal oscillation (ISO) in the MLT winds over Kolhapur (16.8^oN)”
NOTE: Paper nos.39 to 43 were presented in 17th National Space Science Symposium (NSSS-2012) Organized at Sri Venkateswara University, Tirupati, during 14th -17th February 2012.
44. **A. K. Sharma** and R. N. Haridas, 2012 (invited talk), 2012 “Study of ULF/VLF signals (0.01-1Hz) associated with moderate earthquakes occurred in Koyna region using induction coil magnetometer”, presented in National Conference on Natural Hazards and Mitigation), Dept of Physics, Eshan college of Engineering, Farah (Mathura), 4-5, Dec.2012.
45. **A. K. Sharma**, Amol Patil, and R.N.Haridas,2012, “Study of the fourth mode of Schumann

- Resonance possibly Associated with moderate earthquakes at Koyna-warna region”, presented in National Conference on Natural Hazards and Mitigation), Dept of Physics, Eshan college of Engineering, Farah (Mathura), 4-5, Dec.2012.
46. S. T. Mane, T. B. Mane and **A. K. Sharma**, 2013, “Diurnal variation of background radiation at 5m above Earth’s surface Measured using GM counter and NaI(Tl) crystal detector”, presented in NSPM-MDF-2013, Jan-2013.
 47. **A. K. Sharma**, S. S. Potdar, and S. M. Kulkarni, “Synthesis of Cadmium oxide thin films using Chemical Bath Deposition method at different bath temperatures for gas sensing”, presented in NSPM-MDF-2013, Jan-2013.
 48. **A. K. Sharma**, D. P. Nade, S. S. Nikte, R. N. Ghodpage, P. T. Patil, M. V. Rokade, R. S. Vhatkar and S. Gurubaran, “Development of Fast Image Analysis Technique for All Sky Images” presented in CARCAN-2012, Hyderabad, A.P. 21 - 22 December 2012.
 49. **A. K. Sharma**, S. S. Nikte, R. S. Vhatkar, D. P. Nade, R. N. Ghodpage, M. V. Rokade, P. T. Patil and R. V. Bhonsle, “Study of solar proton events observed using riometers,” presented in CARCAN-2012, Hyderabad, A.P. 21 - 22 December 2012.
 50. R. N. Ghodpage, A. Taori, P. T. Patil, S. Gurubaran, **A. K. Sharma**, S. Nikte and D. P. Nade, “Mesospheric wave propagation, amplitude growth and their damping – an investigation using ground based airglow emission monitoring from a low latitude Indian station”, presented in CARCAN-2012, Hyderabad, A.P. 21 - 22 December 2012.
 51. B. M. Mohite, J. V. Raut, R. P. Pawar, D. P. Nade, S. S. Nikte, **A. K. Sharma** and R. S. Vhatkar, “Dynamical And Complex Chemical Process Causes For The Stratospheric Ozone Perturbations During The Solar Proton Event Of 28 October 2003”, presented in CARCAN-2012, Hyderabad, A.P. 21 - 22 December 2012.
 52. D. P. Nade, **A. K. Sharma**, S. S. Nikte, R. N. Ghodpage, P. T. Patil and S. Gurubaran, “To Study the Characteristics of Plasma Bubble over Low Latitude Station: Kolhapur”, Presented in COSMOS on RDMTAA-2013, 16-17 January 2013.
 53. A. D. Wadgaonkar, D. P. Nade, **A. K. Sharma**, S. S. Nikte, R. N. Ghodpage, P. T. Patil and S. Gurubaran, “Effect of Solar Activities on Zonal Velocity Plasma Bubble”, Presented in COSMOS on RDMTAA-2013, 16-17 January 2013.
 54. P. S. More, D. P. Nade, **A. K. Sharma**, S. S. Nikte, R. N. Ghodpage, P. T. Patil and S. Gurubaran, “Effects of Solar and Magnetic Activity on Occurrence of Nightglow Events”, Presented in COSMOS on RDMTAA-2013, 16-17 January 2013.
 55. S. P. Talsandekar, D. P. Nade, **A. K. Sharma**, S. S. Nikte, R. N. Ghodpage, P. T. Patil and S. Gurubaran, “Study the Characteristics of Plasma Blobs by OI 630 nm Images from Kolhapur”, Presented in COSMOS on RDMTAA-2013, 16-17 January 2013.
 56. **A. K. Sharma**, D. P. Nade, S. S. Nikte, R. N. Ghodpage, P. T. Patil, M. V. Rokade, R. S. Vhatkar and S. Gurubaran, “The Nocturnal Monthly and Latitudinal Variation in Characteristics of the Zonal Velocities of the Plasma Bubble over the Low Latitude (Kolhapur 16.42°N, 74.2°E, And 10.6°N dip Lat) Region”, Presented in ICTS program on ADC-MAOC-2013, 18-23 February 2013.
 57. R. N. Ghodpage, A. Taori, P. T. Patil, S.S, Nikte and D. P. Nade, **A. K. Sharma** and S. Gurubaran, “Mesospheric wave characteristics and their comparison with existing dynamical and

- photochemical models for OH emission over low latitude”, Presented in ICTS program on ADC-MAOC-2013, 18-23 February 2013.
- 58. A. K. Sharma**, S. S. Nikte, J. K. Behara, A. K. Sinha, D. P. Nade, R. N. Ghodpage, M. V. Rokade, P. T. Patil, R. V. Bhonsle and B. M. Pathan, “Study of longitudinal and latitudinal variations in the signal strength pattern of cosmic radio noise using riometers at southern and northern hemisphere” Presented in ICTS program on ADC-MAOC-2013, 18-23 February 2013.
 - 59. S. S. Potdar, A.K. Sharma**, D.B.Kamble, S.M.Kulkarni., “Chemical synthesis of Cadmium oxide thin films at different bath temperatures” Presented in 2nd International Conference on Physics of Materials and material Based Device Fabrication (ICPM-MDF-2014) held at Shivaji Univ. (Physics Dept), Jan.13-15, 2014.
 - 60. *D.P.Nade, A.K.Sharma, S.S.Nikte, P.T.Patil, R.N.Ghodpage, M.V.Rokade, S.Gurubaran**, A.Taori & Y.Sahai, “Zonal Velocity of the Equatorial Plasma Bubbles over Kolhapur, India”
 - 61. *S.S. Nikte, A. K. Sharma**, D.P. Nade, G. A. Chavan, S. Swami R. N. Ghodpage, P. T. Patil, M. V. Rokade, and R. V. Bhonsle, “Regional observations of variations in the nature of cosmic radio noise signal pattern using riometer”
 - 62. *A. K. Sharma**, G. A. Chavan, A. B. Gavade, S. S. Nikte, D. P. Nade, C. M. Swami, R. N. Ghodpage, P. T. Patil “Study of VHF amplitude scintillation at low latitude station Kolhapur (16.42°N, 74.2°E, and 10.6°N dip lat.)”
 - 63. S.A.Masti, A.K.Sharma, P.N.Vasambekar**, “Magnetic Properties of CR³⁺ Substituted MG-CD Ferrites” 2014 Presented in UGC Sponsored National Conference on Materials for Future Technology held at Rajaram College (Physics Dept), Sept.26th and 27th, 2014.
 - 64. A.K.Sharma, 2014** “Study of Precursory ULF/VLF Emissions Associated with Earthquakes” Presented in Brain Storming Workshop on “Collaborative research of electromagnetic precursors of earthquakes using ULF/VLF and GPS-TEC based measurements, 28-29 November, 2014 held at RBS college, Agra.
 - 65. A. K. Sharma**, D. P. Nade, O. B. Gurav, G. A. Chavan, S. S. Nikte, R. N. Ghodpage, and P. T. Patil 2015 “Intensity of nightglow OI 630.0 nm emission in F-region; Nocturnal and latitudinal variation” Presented in 2nd URSI Regional Conference on Radio Science 2nd URSI-Regional Conference on Radio Science-2015, 16-19 Nov.2015, held at JNU, New Delhi
 - 66. A.K.Sharma, D.B.Kamble, S.P.Potdar, R.B.Kharade, M.A.Yeole, 2016** “Synthesis of Cadmium Sulfide rods by water evaporation self-assembly method” Presented in International Conference on Materials Science and Ionizing Radiation Safety & Awareness, held at Shivaji Univ. (Physics Dept), Jan.28-30, 2016
 - 67. A. K. Sharma**, D. P. Nade, A. Taori, G. A. Chavan, O. B. Gaurav, P. T. Patil, and R. N. Ghodpage, S. S. Nikte, 2016 “Milky Way initiation variations in intensity of nightglow OI 630.0 nm emission over the low latitude F region” presented in 19th National Space Science Symposium (NSSS-2016) Organized at Space Physics Lab. (VSSC), during 9th -12th February, 2016.
 - 68. A. K. Sharma**, H.P. Gaikwad, G. A. Chavan and O. B. Gurav, 2017 “Study of neutral winds over low latitude station Kolhapur using MF radar “Presented in 3rd URSI-Regional (International) Conference on Radio Science-2017, 1-4 March.2017, held at NARL, Tirupati/Gadanki
 - 69. A. K. Sharma**, G.A.Chavan, O. B. Gurav, H.P. Gaikwad, R.N., Ghodpage, P T Patil 2018 “Variation in zonal drift velocity of Equatorial Plasma Bubbles During the increasing phase of 24th solar cycle

over Kolhapur,India” Presented in 15th International Symposium on Equatorial Aeronomy held at PRL Ahmedabad, India 22-26 Oct,2018

70. A K Sharma.O B Gurav, H.P. Gaikwad G.A. Chavan D.P. Nade S.S. Nikte R.N. Ghodpage P.T. Patil,2019 “Plasma Bubble Induced Scintillations (PBIs) over low latitude Indian region: A case study” Presented in National Space Science Symposium 29-31 January 2019,held at SPP University,Pune.

71. A K Sharma and O B Gurav,2019 “VHF scintillation associated with equatorial plasma bubbles over low latitude Indian region: a case study” Presented in 2019 URSI Asia Pacific-Radio Science congress, March 9-15,2019 held at India Habitat Centre,New Delhi

***Note:** These papers were presented (no.60 as oral and nos.61 & 62 as posters) in 18th National Space science Symposium (NSSS-2014) Organized at Dibrugarh University, Dibrugarh, during 29th -1stFebruary 2014.

List of Scientific meetings/conferences/courses/schools etc attended

Sr. No.		Year
1	Second Indo-US Workshop on STP held at NPL, New Delhi, India	1984
2	National Solar Physics Workshop held at IIA, Kodaikanal. India	1985
3	Neils Bohr Symposium held at PRL, Ahmedabad, Ahmedabad, India	1985
4	XIX International Astronomical Union (IAU) General Assembly held at VigyanBhavan, New Delhi ,India	1985
5	*National Symposium on Challenges and Excitements in Sciences for Youth held at PRL, Ahmedabad, India	1986
6	Spring college on geomagnetism &Aeronomy held at ICTP, Trieste, Italy	1987
7	Second National workshop on solar Physics held at IIA, Kodaikanal, India	1987
8	National Space Symposium held at PRL Ahmedabad	1987
9	Indo-US workshop on Interplanetary Scintillation and solar Activity held at USO, Udaipur & PRL, Ahmedabad, India	1988
10	One-day Symposium on STP, held at PRL, Ahmedabad, India	1989
11	Two-days seminar on Advances in Monsoon Meteorology and Remote Sensing held at Ahmedabad, India	1989
12	Current status and Future Prospective in Solar-Terrestrial Physics Research, held at PRL, Ahmadabad, India.	1989
13	IAU Symposium No.148 on Basic Plasma Processes on the Sun, held at Hotel Ashok, Bangalore, India by IIA	1989
14	Giant Meterwave Radio Telescope (GMRT) Winter School held at NCRA, Pune Univ. campus, Pune, India	1990
15	XIV Astronomical Society of India meeting held at PRL	1991
16	Indo-US MINI-workshop on Interplanetary Scintillation and propagating solar Distribution held at PRL, Ahmedabad, India	1991
17	IInd GMRT winter school held by TIFR at Institute of Radio Physics and Electronics Calcutta, India	1992
18	One-day symposium on solar Physics and Interplanetary medium held at PRL, Ahmedabad India	1992
19	XXXII Academic Staff Orientation Programme (of UGC) held at AMU, Aligarh	1993
20	Two- days Seminar on Space Physics held at Shivaji University, Kolhapur, India	1994
21	Refresher Course in Physics (of UGC) held at Ch. Charan Singh University, Meerut, India	1994
22	IAU Colloquium no.154 on Solar & Interplanetary Transients held at NCRA (of TIFR),PuneUniv. campus Pune, India	1995
23	Mini-Workshop on Solar Physics held at Meerut college, Meerut, India	1995
24	National Conference on Development in Electronic Materials and their Applications, held at ShivajiUniversity, Kolhapur, India.	1995

25	Indian Solar terrestrial Energy Programme (I-Step) Meeting held at Osmania University, Hyderabad, India	1996
26	National Space Science Symposium held at Osmania university, Hyderabad	1996
27	PRL, Golden Jubilee Workshop on Solar Physics in India During the next Solar maximum & beyond, held at USO, Udaipur, India	1996
28	Silver Jubilee workshop on Astronomy with moderate size optical Telescope held at UPSO, Nainital	1997
29	XVIII Annual meeting of ASI held at PRL, Ahmedabad, India	1997
30	Recent Trends in Electro and magnetoceramics, held at Shivaji Univ., Kolhapur, India	1999
31	National Conference on Lasers & Spectroscopy held at Meerut College, Meerut, India	1999
32	Symposium on Vision for Space Science and Technology held at PRL, Ahmedabad, India	1999
33	International Conference on Advanced Material (ICAM-2000), held at Ch. Charan Singh University, Meerut, India	2000
34	*One day national seminar on Physics of Devices & Modern Application held on 23.3.2000 at dept of Physics, Shivaji university, Kolhapur	2000
35	AGU Chapman conference (International) on Storms-substorms relationship, held at hotel Fariyas, Lonavala, India	2001
36	Refresher Course in Physics (of UGC) held at Aligarh Muslim University, Aligarh, India	2001
37	XII National Space Science Symposium 2002 held at Barkatullah University, Bhopal, India	2002
38	Recent Advances in Renewable Energy Technology, held at Shivaji University, Kolhapur, India	2002
39	National Conference on Lasers & Spectroscopy held at Meerut College, Meerut, India	2003
40	Mid-year meeting of Indian Academy of Science, held at RRI/IISc Bangalore, India	2003
41	Study of ULF/VLF Precursory Radio Emission Associated with Earthquakes, workshop held at IIG, Navi Mumbai, India	2003
42	69 th annual meeting of Indian Academy of Science, held at IIT Guwahati	2003
43	National Conference on Radio Science in India held at NPL, New Delhi,	2003
44	4 th Winter School on Indian MST Radar held at Tirupati Gadanki, India	2004
45	Workshop on Prospects of Astronomy Research in Indian Universities Held at Dept. of Physics, Saurashtra University, Rajkot, India	2004
46	Workshop on India IHY Planning held at RAC (TIFR) Ooty	2004
47	Workshop on Inter Stellar Medium held at Bangalore University, Bangalore	2004
48	Symposium on "Infrared & Optical Astronomy at Mt Abu Observatory- the past decade and the future" held at PRL Ahmedabad/Mt Abu	2004
49	International Conference on Vibrational Spectroscopy held at Meerut	2006
50	Mid-year meeting of Indian Academy of Science, at RRI/IISc Bangalore, India	2006
51	National Solar Workshop held at Meerut college Meerut	2006
52	2 nd UN/NASA Workshop on International Heliophysical Year (IHY) and Basic Space Science held at IIA, Bangalore, India	2006
53	Electromagnetic studies related to earthquake and volcanoes held at R.B.S. college, Agra	2006
54	Golden Jubilee Symposium on Radio science (INCURSI-2007) held at NPL, New Delhi	2007
55	International Conference of Nano Materials and Applications-2008 held at Shivaji Univ. Kolhapur, India	2008
56	*Convened successfully (on behalf of Shivaji University) National Science day celebrations Feb 24-28, 2009	2009
57	National Prog. For capacity Bldg. of architects in Earthquake Risk Management held at D Y Patil College of Engg. & Tech, Kolhapur during, 9-14, Nov.,	2009
58	Seminar on Recent advances in Helio Physics" held at Dayanand college, Solapur during 5-6 Feb	2010
59	16 th National Space Science Symposium held at Saurashtra University, Rajkot Feb 24-27,	2010
60	Workshop on "Electromagnetic Studies of Earthquakes and Volcanoes" held, at Chapman University, Orange CA, USA. Oct. 3-6.	2010
61	International workshop on Seismo-electromagnetics and Atmospheric Science (IWSE-AS 2010) held at RBS College, Agra from 16 to 18 November.	2010
62	National Seminar on Physics of Materials Based Device Fabrication (NSPM-MDF-2011), held at Shivaji Univ. (Physics Dept), Feb 17-18.	2011
63	2 nd International DEMETER workshop held at CNES, HQ, Paris, France, Oct 10-12,	2011

64	National seminar on Role of Radars in Atmospheric & Ionospheric Studies (RAISE'12), Jan. 4-5, 2012 held at Dept of ECE, K L University, Vaddeswaram, A. P., India	2012
65	1 st International Conference on Physics of Materials and material Based Device Fabrication (ICPM-MDF-2012) held at Shivaji Univ. (Physics Dept), Jan.17-19.	2012
66	Two-Day Workshop on Research Writing, Ethics, Plagiarism and Publishability (RWEPP-2012) held at Shivaji University Kolhapur on 26-27 July,	2012
67	National Conference on Natural Hazards And Mitigation (NCNHM-2012), Held At Eshan College of Engineering, Farah (Mathura) on 4- 5,December	2012
68	*Second National Seminar on Physics of Materials and Materials based Device Fabrication (NSPM-MDF-2013) 04-05 January 2013 held at Department of Physics, Shivaji University Kolhapur.	2013
69	National Seminar on Role of Ion Beam in Material Science and Acquaintance Programme on Ion Beam Facilities at IUAC New Delhi 20 Sept 2013 held dept of Physics, C C S University, Meerut	2013
70	5 th International Conference on Geo-information technologies for Natural Disaster management (GiT4NDM 2013) held at Dewey College, Mississauga, Ontario, Canada, Oct 9-11, 2013.	2013
71	One day national level (UGC sponsored) seminar "Explore Physics" at Changu Kana Thakur A.C.S. college, New Panvel on 23.12.13	2013
72	2nd International Conference on Physics of Materials and material Based Device Fabrication (ICPM-MDF-2014) held at Shivaji Univ. (Physics Dept), Jan.13-15	2014
73	18 th National Space Science Symposium (NSSS-2014) Organized at Dibrugarh University, Dibrugarh, during 29 th -1 st February,	2014
74	One day workshop on "Outcome Based Modular Syllabus" organized by Shivaji University at Kolhapur on 6.8.14.	2014
75	UGC Sponsored National Conference on Materials for Future Technology held at Rajaram College (Physics Dept), Sept.26th and 27th	2014
76	Brain Storming Workshop on "Collaborative research of electromagnetic Precursors of earthquakes using ULF/VLF and GPS-TEC based measurements, 28- 29 November 2014	2014
77	UGC Sponsored Two Days National Conference on "Recent Advances in Astrophysics and Space Science" at GIBagewadi ASC (PG) College Nipani, Dec.19 th & 20 th 2014	2014
78	Third National Seminar on Physics of Materials and Materials based Device Fabrication (NSPM-MDF-2014) Dec.19th & 20th at Dept. of Physics, Shivaji Univ., Kolhapur	2014
79	one day International Conference on "Emerging Trends in Basic and Applied Sciences (ETBAS 2015)" held at Karmaveer Hire Arts, Science, Commerce And Education College, Gargoti, on 10.3.15.	2015
80	National workshop (training Program) on 'Rights of Women' organized by NHRC & Dept of Political Science, Shivaji University, Kolhapur.	2015
81	2nd URSI-Regional (International) Conference on Radio Science 2015, 16-19 Nov. 2015, held at JNU, New Delhi.	2015
82	IRNSS users meet 2015 held at Space Application Centre (ISRO), Ahmedabad on Dec. 7. 2015	2015
83	International Conference on Materials Science and Ionizing Radiation Safety & Awareness, held at Shivaji Univ. (Physics Dept), Jan.28-30,	2016
84	19th National Space Science Symposium (NSSS-2016) Organized at Space Physics Lab. (VSSC), during 9th -12th February.	2016
85.	3 rd URSI-Regional (International) Conference on Radio Science-2017, 1-4 March. 2017, held at NARL, Tirupati/Gadanki	2017
86.	One-Day seminar on RAMAN SPECTROSCOPY AND Micro Array Printing, 20.8.18 held at SMVD univ., Katra (J&K), India	2018
87.	National Workshop on "Imagining the Future of Space Science and its strategic importance" held during 11-12 Oct. 2018 at Dept of Physics & Astronomy, Central University of Jammu.	2018
88.	15 th International Symposium on Equatorial Aeronomy held at PRL Ahmedabad, India 22-26 Oct, 2018	2018

89	DST-NIMAT Project Sponsored'Faculty Development Program (10 th -21 st December,2018),SMVD University,Katra	2018
90	National Workshop on "Advances in Clean Energy Convesion Technologies and Materials for Energy Storage Applications" 24-25 January 2019 held at SMVD university,Katra,	2019
91	20 th National Space Science Symposium, 29-31 January 2019, held at SPP University,Pune.	2019
92	2019 URSI Asia Pacific-Radio Science congress,March 9-15,2019 held at India Habitat Centre,New Delhi	2019

***NB: I convened these conferences/workshops**