


Title	Dr.	Name	Ganpat Ahirwar	Photograph 
Department	School of Studies in Physics, Vikram University, Ujjain			
Designation	Assistant Professor			
Address	A-185 Parsvnath City Dewas Road, Ujjain (M.P.)			
Phone- Office	-			
Residence	8435642546			
E-Mail	ganpat.physics@gmail.com			

Educational Qualifications

Degree	Institution	Year	Subject
Ph.D.	Dr. H. S. Gour University, Sagar (M.P.)	2006	Physics
PG (M.Sc.)	Dr. H. S. Gour University, Sagar (M.P.)	2000	Physics
UG (B.Sc.)	Dr. H. S. Gour University, Sagar (M.P.)	1998	PCM
12th	M.P. Board , Bhopal	1994	PCM
10th	M.P. Board , Bhopal	1992	All Subjects

Career Profile

ADMINISTRATION EXPERIENCES:

- Worked as a **In charge Student Union** in Vikram University, Ujjain 2011-12.
- Worked as **Assistant Procter**, Vikram University, Ujjain, 2012-to till date.
- Worked as a **Co-ordinator** in **Central Valuation**, Vikram University, Ujjain, Nov.-Dec. 2013-15.
- Worked as a **Co-ordinator** in **Confidential**, Vikram University, Ujjain 2013-14.
- Worked as a **Co-ordinator** in **Confidential**, Vikram University, Ujjain 2017- 2020.
- Working as a **Director, School Of Engineering & Technology, (SoET)**, Vikram University, Ujjain, Feb-2021-to till date.

Area of Interest/ Specialization

Space Plasma Physics, Mathematical Physics, Condensed matter physics, Electrodynamics, Quantum Physics & Electronic circuit analysis and design.

Subjects Taught

M. Sc. Physics (Ist IInd, IIIrd & IVth Sem.) , M. Phil (Physics) and Ph.D. Course work

I thought the course like Plasma Physics, Quantum Physics, Mathematical Physics, Electrical Engineering Fundamentals, Analysis and Design of Linear Circuits, Electronic circuit analysis and design, Digital Electronics, Physics of Semiconductor Devices.

COMPUTER KNOWLEDGE

Working knowledge of Internet & Other Essential Tools.

MEMBERSHIP

- Life Membership of PSSI.
- Membership of IAPT.
- Membership of VUTA.
- Member of Board of Studies in Physics.

TEACINING EXPERIENCES:

Sr.No.	Name of the Institution	Post held	From To (Date(s))	Period Y M	Degree/Post-Graduate Classes
1.	Govt. College Patharia, Damoh (M.P.)	Samvida Lecturer	03/10/2001 To 08/02/2002	2001-2002	Degree
2.	Dr.H.S.Gour V.V. Sagar (M.P.)	Samvida Lecturer	24/09/2002 To 30/04/2003	2002-2003	Degree/Post-Graduate
3.	Dr.H.S.Gour V.V. Sagar (M.P.)	Samvida Lecturer	16/10/2003 To 07/06/2004	2003-2004	Degree
4.	Dr.H.S.Gour V.V. Sagar (M.P.)	Samvida Lecturer	Session 2004-2005	2004-2005	Degree
5.	Dr.H.S.Gour V.V. Sagar (M.P.)	Samvida Lecturer	16/12/2005 To 30/04/2006	2005-2006	Degree/Post-Graduate
6.	Dr.H.S.Gour V.V. Sagar (M.P.)	Con. Lecturer	23/08/2006 To 15/02/2007	2006-2007	Degree/Post-Graduate
7.	Dr.H.S.Gour V.V. Sagar (M.P.)	Research Associate, CSIR	02/04/2007 To 22/11/2007	2007	Research work
8.	Vikram University, Ujjain (M.P.)	Asstt. Professor	23/11/2007 to up		PG/M.Phil Teaching & Research work

RESEARCH EXPERIENCES

About 15 -years research work experience in the field of "Space Plasma Physics"

No. of Research/Project Guidance: Ph.D. -04, M. Phil - 10 M. Sc. - 80

No. of Publication (papers): 30 {21-International/09-National}

No. of Proceeding Publication (papers): 13 {12-Int. /1-National}

Postal Papers presentation/Workshop: 13+11=24

PROJECT

- **Completed Major Research project DST New Delhi** entitled "Study of electromagnetic ion-cyclotron waves in multi-ions plasma" at the School of Studies in Physics, Vikram University, Ujjain (M.P.). 2012-2015. (3.96 Lakh)

RESEARCH FELLOWSHIP UNDER SUPERVISION

- Completed Fellowship **RGNF-New Dehli** entitled "A Study of EMIC Instability in Space Plasma" by Ramda Kanesh, at the School of Studies in Physics, Vikram University, Ujjain (M.P.). 2008-09.
- Completed Fellowship **RGNF-New Dehli** entitled "A study of Alfven waves in multi-component plasma " by Vishnu Prasad Ahirwar, at the School of Studies in Physics, Vikram University, Ujjain (M.P.). 2011-16.
- Completed Ph.D. Fellowship **MP Govt.** entitled "Study on Kinetic Alfven waves instability in dusty plasma " by Amar Singh, at the School of Studies in Physics, Vikram University, Ujjain (M.P.). 2016-20.
- Completed Ph.D. Fellowship **MP Govt.** entitled "Study on Electromagnetic ion cyclotron waves in cold plasma " by Rana Meda, at the School of Studies in Physics, Vikram University, Ujjain (M.P.) 2016-20.

RESEARCH GUIDANCE: - M.PHIL

1. **A Study of EMIC Instability in Space Plasma**, by Ramda Kanesh, School of Studies in Physics, Vikram University, Ujjain M.P (2008-09).
2. **Effect of General Loss-Cone Distribution Function with Temperature Anisotropy on Electromagnetic Ion Cyclotron Waves**, by Anamika Sharma, School of Studies in Physics, Vikram University, Ujjain M.P (2009-10).
3. **Study of Kinetic Alfven Waves in Inhomogeneous Dusty Plasma**, by Mahesh Chandna, School of Studies in Physics, Vikram University, Ujjain M.P (2009-10).
4. **Environment Mediated Variation in the Intermediate Electronic Level of the**

Praseodymium III : A Possible Laser Probe, by Shubha Mishra, School of Studies in Physics, Vikram University, Ujjain M.P (2009-10).

5. **A Study of Electromagnetic Ion Cyclotron Instability in Multi-Ions Magnetospheric Plasma**, by Jivan Sharma, School of Studies in Physics, Vikram University, Ujjain M.P (2010-11).
6. **A study of electromagnetic electron-cyclotron waves in saturn's magnetospheric plasma**, by Deepak Kaithwas, School of Studies in Physics, Vikram University,Ujjain (M.P.) (2011-12)
7. **Superconducting Tc and normal state resistivity of iron-based superconductor La [O_{1-x} Fx] FeAs**, by Dharmendra Mewada, School of Studies in Physics, Vikram University,Ujjain (M.P.) (2011-12)
8. **Studies on structural and optical properties of Mg_x Zn_{1-x} O thin films grown by pulsed laser deposition**, By Vishnu Ahirwar, School of Studies in Physics, Vikram University,Ujjain (M.P.) (2011-12)
9. **A study on electromagnetic ion-cyclotron waves by kappa distribution in magnetospheric plasma**, By Reena Sisodhiya, School of Studies in Physics, Vikram University,Ujjain (M.P.) (2011-12)
10. **A study on electromagnetic electron-cyclotron waves in magnetospheric plasma**, By Humera Khan, School of Studies in Physics, Vikram University,Ujjain (M.P.) (2013-14)

RESEARCH GUIDANCE: - PH.D.

Supervision of awarded Doctoral Thesis:

- ❖ **Theoretical study of rotationally inelastic collisions in molecular system** by Dharmendra Sing Firojia -2013. (Awarded)
- ❖ **Studies on electrostatic ion cyclotron waves in multi-components plasma** by **Vibhooti Khaira**-(Awarded)
- ❖ **Studies on Alfvén waves in multi-component magnetospheric plasma** by **Vishnu Prasad Ahirwar**-(Awarded)
- ❖ **Prapagation of Kinetic Alfvén waves in magnetospheric plasma** by **Geeta Shrivastava**-(Submitted)

Supervision of Doctoral Thesis, under progress:

1. Propagation of Kinetic Alfvén waves instability in magneto-plasma by Geeta Shrivastava-Submitted Thesis
2. Study on Kinetic Alfvén waves instability in dusty plasma by Amar Singh - Registered 05/12/2016
3. Study on Electromagnetic ion cyclotron waves in cold plasma by Rana Meda - Registered 05/12/2016
4. A study on electromagnetic ion cyclotron waves in multi-ions Saturn's magnetosphere plasma by Jivan Sharma.- Re Registered 12/04/2016
5. Fire-hose instability in space plasma by Neetu Tandan -Registered 05/12/2016

ARTICLES/PAPERS PUBLISHED IN BOOKS

1. General loss-cone distribution functions on electromagnetic ion cyclotron instability in Saturn's magnetosphere, **G. Ahirwar** and J. Sharma, EIPT-2011.
ISBN: 938136131-2
2. Dispersion relation on electrostatic ion cyclotron waves in multi-component magneto-plasma, Vibhuti Khaira and **G. Ahirwar**, EIPT-2015.
ISBN: 978-0-7354-1317-7
3. Kinetic Alfvén wave in the presence of Kappa distribution function in plasma sheet boundary layer, G. Shrivastava, J. Shrivastava and **G. Ahirwar**, EIPT-2015.
ISBN: 978-0-7354-1317-7
4. Dispersion relation of Alfvén waves in multi-component magneto-plasma, Vishnu P. Ahirwar and **G. Ahirwar**, EIPT-2015.
ISBN: 978-0-7354-1317-7

Publication Profile

(A). Journal Papers:

Research Papers:

INTERNATIONALS:

1. Study of electromagnetic ion-cyclotron instability in the presence of a parallel electric field with general loss-cone distribution function-Particle aspect analysis, **G. Ahirwar**, P. Varma and M. S. Tiwari, **Annales Geophysicae**, **24**, 1919-1930, **2006**.
ISSN: 0992-7689, Impact Factor- 1.648
2. Study of parallel electric field on Alfvén wave in thermal magnetoplasma, P. Varma, S. P. Mishra, **G. Ahirwar** and M. S. Tiwari, **Planet. Space Sci.**, **55**, 174-180, **2007**.
ISSN: 0032-0633, Impact Factor- 2.313
3. Beam effect on electromagnetic ion-cyclotron waves with general loss-cone distribution function in an anisotropic plasma-Particle aspect analysis, **G. Ahirwar**, P. Varma and M. S. Tiwari, **Annales Geophysicae**, **25**, 557-568, **2007**.
ISSN: 0992-7689, Impact Factor- 1.648
4. EMIC waves around the plasma-pause region, P. Varma, **G. Ahirwar** and M.S. Tiwari, **Planet. Space Sci.**, **56**, 1023-1029, **2008**.
ISSN: 0032-0633, Impact Factor- 2.313
5. Effect of kappa distribution with general loss cone distribution function on EMIC waves in magneto-plasma. **G. Ahirwar**, **Int. J. Sci. Res. Pub.**, **2**, 1-5, **2012**.
ISSN: 2250-3153, Indexed
6. Effect of general loss-cone distribution on (EMEC) waves in Saturn's magnetosphere. **G. Ahirwar**, **Int. J. Eng. & Sci. Res.**, **4**, 1427-1431, **2012**.
ISSN: 2277-2685, Impact Factor- 0.2
7. Alfvén waves in the presence of parallel electric field in Saturn's magnetosphere- Particle approach. **G. Ahirwar**, **Int. J. Sci. Res. Pub.**, **2**, 1-3, **2012**.
ISSN: 2250-3153, Indexed
8. Effect of general loss-cone with plasma densities on EMIC waves in multi-ions magnetospheric plasma. **G. Ahirwar**, and **Jivan Sharma**, **Int. J. Eng. Sci. Res.**, **03**, 882-887, **2012**. **ISSN: 2230-8504; e-ISSN: 2230-8512, Impact Factor- 2.**

9. Rotational Energy Transfer in Molecular Collisions and Hard Ellipsoi Potential Model.Narendra K. Dabkara, Dharmendra S. Firozia and G. Ahirwar, **J. Pure Appl. & Ind. Phys.** **437-443, 2012.**
ISSN: 2277-2502
- 10.Maximum Limit of Rotational Energy Transfer on O2 Collision with He and Hard Ellipsoid Potential Model,Narendra K. Dabkara, Dharmendra S. Firozia and **G. Ahirwar, J. Pure Appl. & Ind. Phys. Vol. 3(2), 72-78 (2013).**
ISSN: 2277-2502
- 11.Maximum limit of rotational energy transfers in C2-He system and power gap law **G. Ahirwar et. al., IOSR Journal of Applied Physics, vol.3, issue3, 2013.**
ISSN 2278-4861
- 12.Small-scale kinetic Alfven waves in the presence of warm and cold magnetized plasma sheet boundary layer-kinetic approach, Jaya Shrivastava, **Ganpat Ahirwar** and Geeta Shrivastava, **Int. J. Sci. Eng. Res., V(7), 2,2016.**
ISSN: 2229-5518
- 13.Effect of Plasma Densities on Alfven Waves in Multi-Component Magnetized Plasma, Vishnu P. Ahirwar* and **G. Ahirwar , Astronomy and Space Science: , 3,1-11, 2017.**
ISSN: 20935587
- 14.Kappa distribution function effect on electromagnetic ion cyclotron waves in the presence of parallel electric field by particle aspect approaches, Vibhooti Khaira and **G. Ahirwar, Journal of Advanced and Applied Physics, Vol.4,1-12, 2018.**
ISSN: 2472-6257
- 15.Eeffect of beam velocity with kappa distribution function on EIC instabilities in multi-ions plasma by particle aspect approaches, Vibhooti Khaira and **G. Ahirwar, Journal of Advanced and Applied Physics, Vol.4,1-10, 2018.**
ISSN: 2472-6257
- 16.Effect of plasma densities with kappa distribution function effect on electromagnetic ion cyclotron waves in multi-ions plasma Vibhooti Khaira and **G. Ahirwar, Astronomy and Space Science:, Vol.4,1-16, 2018. ISSN: 2472-9620**

- 17.**Effect of kappa distribution function on electromagnetic ion cyclotron waves in multi-ions magnetospheric plasma by particle aspect approaches,Vibhooti Khaira and **G. Ahirwar**, **Astronomy and Space Science**;, Vol.4,1-14, 2018.
ISSN: 2472-9620
- 18.**Study of Electrostatic Ion-Cyclotron Waves Around the Plasmopause including Effect of H⁺ He and O⁺ Ions. Vibhooti Khaira and **G. Ahirwar**, **SSG-IJAP**;, Vol.5,32-38, 2018.
ISSN: 2350-0301 Impact Factor 1.59
- 19.** Study on Electrostatic Ion Cyclotron Waves Multi-Ions around the Cusp Region. Vibhooti Khaira and **G. Ahirwar**, **SSG-IJAP**;, Vol. 5, 39-46, 2018.
ISSN: 2350-0301 Impact Factor 1.59
- 20.**Effect of Ion Electron Beam Velocity on Alfvén Waves in Multi-Component Magnetospheric Particle Aspect Analysis V. P. Ahirwar and **G. Ahirwar** , International Journal of Scientific Res Physics and Applied Sciences , Vol.7, Issue.4, pp.26-32, August 2019.
E-ISSN: 2348-3423

NATIONALS:

- 21.** Study of electromagnetic ion-cyclotron wave with general loss-cone distribution function, **G. Ahirwar**, P. Varma and M. S. Tiwari, **Ind. J. Phys.**, **80**(12), 1179-1187, **2006**.
ISSN: 02529262, Impact Factor- 0.226
- 22.**Study of electromagnetic ion-cyclotron waves with general loss-cone distribution and multi-ions plasma-particle aspect approach, **G. Ahirwar**, P. Varma and M. S.Tiwari, **Ind. J. of pure & appli. Phys.**, **48**, 334-342, **2010**.
ISSN: 0975-7465, Impact Factor- 0.246
- 23.**Beam effect on EMIC waves in presence of parallel electric field with different plasma densities by Particle aspect approach **G. Ahirwar**, P. Varma and M. S. Tiwari, **Ind. J. of pure & appli. Phys.**, **49**,384-392, **2011**.
ISSN: 0975-7465, Impact Factor- 0.246
- 24.**Ion beam with general loss-cone distribution function on EMIC waves in multi-ions magnetospheric plasma. **G. Ahirwar**, **Res. J. Eng. Sci.**, **1**(5), **25-30**, **2012**.
ISSN: 2278-9472, Indexed
- 25.**Study on electromagnetic electron cyclotron (EMEC) waves around plasma-pause region. **G.**

Ahirwar, Res. J. Eng. Sci., Vol. 1(6), 1-4, 2012.

ISSN: 2278-9472, Indexed

26. Study on EMIC Waves in multi-ions around the Plasmapause Region, **G. Ahirwar** and J. Sharma, **Res. J. Physical Sci., 1(3), 26-29, 2013.**

ISSN 2320-4796

27. A Study on Structural and Optical Properties of $Mg_{x}Zn_{1-x}O$ thin films using Pulsed Laser Deposition (PLD), Vishnu Prasad Ahirwar, and **G. Ahirwar**, **Res. J. Physical Sci. 1(4), 11-14, 2013.**

ISSN 2320-479, Indexed

28. Electromagnetic ion-cyclotron waves in Saturn's magnetosphere. **G. Ahirwar**, **Res. J. Recent. Sci., 2(5) 34-38, 2013.**

ISSN: 2277-2502, Indexed

29. Effect of general loss-cone with temperature anisotropy on electromagnetic electron cyclotron (EMEC) waves in Saturn's magnetospheric plasma. **G. Ahirwar, Vikram Journal of Physical S 2019.**

ISSN: 2349-7882

PROCEEDING PAPERS:

30. General loss-cone distribution functions on electromagnetic ion cyclotron instability in Saturn's magnetosphere, **G. Ahirwar** and J. Sharma, National Conference Proceedings of EIPT-2011.

ISBN: 938136131-2

31. Dispersion relation on electrostatic ion cyclotron waves in multi-component magneto-plasma, Vibhuti Khaira and **G. Ahirwar**, International Conference Proceedings of EIPT-2015.

ISBN: 978-0-7354-1317-7

32. Kinetic Alfvén wave in the presence of Kappa distribution function in plasma sheet boundary layer, G. Shrevastava, J. Shrivastava and **G. Ahirwar**, International Conference Proceedings of EIPT-2015. **ISBN: 978-0-7354-1317-7**

33. Dispersion relation of Alfvén waves in multi-component magneto-plasma, Vishnu P. Ahirwar and **G. Ahirwar**, International Conference Proceedings of EIPT-2015.

ISBN: 978-0-7354-1317-7

34. Effect of temperature anisotropy on Alfvén waves in multi-component magnetospheric plasma,

Vishnu P. Ahirwar and **G. Ahirwar**, Frontiers of Physics and Plasma Science, IOP Conf. Series: Journal of Physics: Conf. Series

ISBN: 978-0-7354-1317-7

35.The instability of electrostatic ion cyclotron waves in a multi-component plasma Vibhooti khaira and **G Ahirwar**, Frontiers of Physics and Plasma Science, IOP Conf. Series: Journal of Physics: Conf. Series 836 **2017**

ISBN: 978-0-7354-1317-7

36.Effect of kappa distribution function on kinetic Alfvén waves instability in dusty magnetoplasma, Amar Singh Patneshwara) and **G. Ahirwar**, NCPCM, AIP Conference Proceedings 2100, 020154 (**2019**); <https://doi.org/10.1063/1.5098708>.

ISBN: 1551-7616, IP-.14

37.Effect of beam velocity on electromagnetic electron cyclotron waves in Saturn's magnetospheric plasma, **G. Ahirwar**, **EIPT-19**, AIP Conference Proceedings 2224, 040017 (2020); <https://doi.org/10.1063/5.0000722>.

ISBN: 1551-7616, IP-.14

38.Effect of beam velocity on electromagnetic electron cyclotron waves in Saturn's magnetospheric plasma, **G. Ahirwar**, **EIPT-19**, AIP Conference Proceedings 2224, 040017 (2020); <https://doi.org/10.1063/5.0000722>.

ISBN: 1551-7616, IP-.14

39. Effect of Parallel Electric Field on EMIC Waves with Kappa Distribution Function **G.Ahirwar** and Rana Meda, **EIPT-19**, AIP Conference Proceedings 2224, 040018 (2020); <https://doi.org/10.1063/5.0000681>

ISSN: 1551-7616

40.Effect of parallel electric field on electron cyclotron waves in Saturn's magnetospheric plasma, **G. Ahirwar**, and Amar Singh Patneshwar, **EIPT-19** Cite as: AIP Conference Proceedings 2224, 040019 (2020); <https://doi.org/10.1063/5.0000685>.

ISSN: 1551-7616

41.Effect of parallel electric field on Alfvén waves in multi-component magnetospheric plasma:

Kinetic approach, Vishnu P. Ahirwar, and **G. Ahirwar**, **EIPT-19**, AIP Conference Proceedings 2224, 040015 (2020); <https://doi.org/10.1063/5.0000807>

ISSN: 1551-7616

42. Dispersion relation of kinetic Alfvén waves in superthermal plasma, Geeta Shrivastava, **Ganpat Ahirwar**, and Jaya Shrivastava, **EIPT-19** AIP Conference Proceedings 2224, 040006 (2020); <https://doi.org/10.1063/5.0001213>.

ISSN: 1551-7616

(B). Conference Papers: Nationals & Internationals:

1. Alfvén waves in space plasma, J. Shrivastava, B. V. Tiwari, **G. Ahirwar** and M. S. Tiwari, National Science Day Celebrations, 28th Feb. 2003, New Frontiers of Science, Dr. H. S. Gour University Sagar (M. P.), **2003**, India.
2. Effect of loss-cone distribution function on EMIC waves, **G. Ahirwar**, P. Varma and M.S. Tiwari, National Science Day Celebrations, 28th Feb. 2007, New Frontiers of Science, Dr. H. S. Gour University Sagar (M.P.), **2007**, India.
3. Effect of thermal anisotropy on EMIC waves with general loss-cone distribution function- Particle Aspect Approach, **G. Ahirwar**, P. Varma * and M.S. Tiwari*, 22nd National Symposium on Plasma Science & Technology, Ahmedabad, Plasma-**2007**, India.
4. Study of electromagnetic ion cyclotron waves around the plasmopause region, **G. Ahirwar**, P. Varma and M.S. Tiwari, presented in 94th Indian Science Congress Association Earth System Science Division, P. 18, held at Annamalai University, Chidambaram, Jan., 3-7, **2007**.
5. Effect of general loss-cone distribution function on electromagnetic ion cyclotron waves with multi-component plasma in auroral acceleration region by **G. Ahirwar**, P. Varma and M.S. Tiwari, presented in **15th National Space Science Symposium, (NSSS-08), Radio Astronomy Centre, NCRA-TIFR, Udhagamandalam (Ooty), PS 2-P156, Feb. 26-29, 2009**.
6. **G. Ahirwar**, Participated in National Seminar on Change Image of Teaching and Madhya Pradesh Act-1973, Vikram University, Ujjain, 18 & 19 Feb.-**2012**.
7. **G. Ahirwar**, Participated in International Conference on Recent trends in Agriculture, Veterinary & Life Sciences 30-31 January 2015, Vikram University, Ujjain, **2015**.
8. Effect of parallel electric field, ion beam with general loss-cone distribution function for

multi-ions in Saturn's magnetospheric plasma by **G. Ahirwar** and Jivan Sharma, International conference on **EIPT-2015** at School of Studies in Physics, Vikram University, Ujjain, March 9-10, **2015**.

9. Effect of kappa distribution function on EMIC instability in cusp region by Rana Meda and **G. Ahirwar**, International Conference on "Frontiers of Physics and Plasma Science" (FPPS-2016) 7-8 November 2016 at Department of Physics & Mathematics, Engineering College, Ujjain (M.P.) **2016**.
10. Effect of kappa distribution function with temperature anisotropy on Kinetic Alfvén instability in dusty magneto-plasma by Amar Singh and **G. Ahirwar**, International Conference on "Frontiers of Physics and Plasma Science" (FPPS-2016) 7-8 November 2016 at Department of Physics & Mathematics, Engineering College, Ujjain (M.P.) **2016**.
11. Effect of temperature anisotropy in the presence of parallel electric field on Alfvén waves in multi-component plasma by Vishnu P. Ahirwar and **G. Ahirwar**, International Conference on "Frontiers of Physics and Plasma Science" (FPPS-2016) 7-8 November 2016 at Department of Physics & Mathematics, Engineering College, Ujjain (M.P.) **2016**.
12. Study of general loss-cone distribution function with temperature anisotropy on EMIC waves in cusp region by J. Sharma and **G. Ahirwar**, International Conference on "Frontiers of Physics and Plasma Science" (FPPS-2016) 7-8 November 2016 at Department of Physics & Mathematics, Engineering College, Ujjain (M.P.) **2016**.
13. The instability of electrostatic ion cyclotron waves in a multi-ions plasma by Vibhuti Gupta and **G. Ahirwar**, International Conference on "Frontiers of Physics and Plasma Science" (FPPS-2016) 7-8 November 2016 at Department of Physics & Mathematics, Engineering College, Ujjain (M.P.) **2016**.

Conferences / Seminars etc. Orientation/Refresher Programme Attended

14. **G. Ahirwar**, State level workshop "Developmental Initiative and Role of Community Education" (March,2008) held jointly by Vikram University, Ujjain and I.S.C.E., Ahmedabad.
15. **G. Ahirwar**, Participated in the Laboratory Workshop for PG Teachers Sponsored by IAPT and dedicated to late Prof. Babulal Saraf held at IPS Academy, Indore from **14th to 18th Dec., 2009**.

16. **G. Ahirwar**, Participated in Two Days National Workshop on **General Poor Classes-Welfare and Empowerment**, Vikram University, Ujjain, 22 & 23 Dec.-2009.
17. **G. Ahirwar**, Participated in **Orientation Programme** in UGC-Academic Staff College, Davi Ahilya University, Indore from 16/09/2010 to 14/10/2010.
18. **G. Ahirwar**, Participated in **Refresher Programme** in UGC-Academic Staff College, Davi Ahilya University, Indore from 28/09/2011 to 18/10/2011.
19. **G. Ahirwar**, Participated in **Refresher Programme** in UGC-Academic Staff College, Davi Ahilya University, Indore from 28/10/2014 to 17/11/2014.
20. **G. Ahirwar**, Participated in One Days Workshop on **Optics**, at School of Studies in Physics, Vikram University, Ujjain, 4th March, 2017.
21. **G. Ahirwar**, Participated in Two Days Workshop on **Basic Experimentation Techniques in Physics**, at School of Studies in Physics, Vikram University, Ujjain, 30-31 August, 2017.
22. **G. Ahirwar**, Participated in Two Days **SAKSHAM-IT Champion Training Program**, Vikram University, Ujjain, 27-28 Sep., 2017.
23. **G. Ahirwar**, Participated in One Days Workshop on **Digital India & Cashless Campaign** Vikram University, Ujjain, 23rd Dec., 2017.
24. **G. Ahirwar**, Participated in **Refresher Programme** in UGC-Academic Staff College, Davi Ahilya University, Indore from 28/08/2019 to 11/09/2019.

Conferences Organized

Organization of a Conference

National Conference on Emerging Interfaces of Physics and Technology (EIPT-2011)
School of Studies in Physics, Vikram University, Ujjain (M.)

International Conference on Emerging Interfaces of Physics and Technology (EIPT-2015)
School of Studies in Physics, Vikram University, Ujjain (M.)

National Conference on Emerging Interfaces of Physics and Technology (EIPT-2019)
School of Studies in Physics, Vikram University, Ujjain (M.)

Awards and Distinctions

Award- Research Associate, CSIR-2007(09/150/0094/2007/EMR-1)

Association with Professional Bodies

Other Activities/ UNIVERSITY LEVEL WORK:-

- Worked as a **Flying Squad** in Vikram University Examination 2008-2009.
- Worked as a **Team Manager** Yuva uttsava, 2009, Vikram University,Ujjain.
- Worked as a **Flying Squad** in Vikram University Examination 2009-2010.
- Worked as a **P. I.** in Vikram University Examination 2009-2010.
- Worked as a **P. I.** in Vikram University Examination 2010-2011.
- Worked as a **P. I.** in Vikram University Semester Examination 2011.
- Worked as a **A.S.** in Vikram University, MBA Semester Examination 2011-12.
- Worked as a **In charge Student Union** in Vikram University 2011-12.
- Worked as a **A.S.** in Vikram University, Semester Examination 2011-12.
- Member of **Flying Squad** in Vikram University Examination 2011-2012.
- **Assistant Procter**, Vikram University, Ujjain, 2012-to till date.
- Worked as a **Co-ordinator** in Vikram University, central valuation, Nov.-Dec. 2013.
- Worked as a **S.S.** in Vikram University, Semester Examination 2012-13.
- Worked as a **A.S.** in Vikram University, Semester Examination 2013-14.
- Worked as a **Co-ordinator** in Vikram University, **central valuation**, Nov.-Dec. 2013-14.
- Worked as a **Co-ordinator** in Vikram University, **confidential**, 2013-14.
- Worked as a **A.S.** in Vikram University, Semester Examination 2014-15.
- Worked as a **A.S.** in Vikram University, Semester Examination 2015-16.
- Worked as a **A.S.** in Vikram University, Semester Examination 2016-17.
- Worked as a **S.S.** in Vikram University, Semester Examination 2017-18.
- Member of different committee in Vikram University, Ujjain.

Departmental level work

- Member of M. Phil committee in S.S. in Physics, Vikram University, Ujjain.
- Member of student election committee in S.S. in Physics, Vikram University, Ujjain.
- Member of M. Phil admission committee in S.S. in Physics, Vikram University, Ujjain, 2011.

- Co-ordinator of Anti Ragging committee in S.S. in Physics, Vikram University, Ujjain, 2011-12.
- **Co-ordinator** of Anti Ragging committee in S.S. in Physics, Vikram University, Ujjain, 2012-13.
- **Chairman** of M.Sc. / M. Phil admission committee in S.S. in Physics, Vikram University, Ujjain, 2012-13.
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