

BIO-DATA

- 1. Full Name :** Dr. Bhagvat Keshavrao Kumthekar
2. Date of birth : July 14, 1983
3. Sex ; Marital Status : Male ; Married
4. Designation : Head & Assistant Professor
- 5. Permanent Address :** At Post Kumtha [Khurd], Tal. Udgir,
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Nutan Mahavidyalaya, Sailu,
Dist: Parbhani, 431503 (India)

7. Academic Qualification:

Class	Board/ University	Year of Passing	Subject offered	Percentage Of marks	Division
S.S.C.	Latur Board, Latur	1999	Marathi,Hindi,English,Maths, Science, Social Science	62.00 %	First
H.S.C.	Latur Board, Latur	2001	Physics, Maths, Chemistry, Biology, English, Hindi	56.33 %	Second
B. Sc.	S.R.T.M. University, Nanded	2004	Physics, Computer Science, Electronics	69.19 %	First with distinction
M.Sc.	S.R.T.M. University, Nanded	2006	Physics (Electronics and Astrophysics)	74.54	First
Ph.D.	S.R.T.M. University, Nanded	2012	Physics		

8. Research/Teaching experience:

- (i) Worked as **Junior Research Fellow** on project entitled 'Radiative Transition Probabilities and Anomalous Absorption by Molecules in Cool Cosmic Objects' (Sanction No. SR/S2/HEP-17/2003) funded by DST, New Delhi from 27 December 2007 to 30 September 2009.
- (ii) Worked as **Assistant Professor on Clock Hour Basis** in Department of Physics, Nutan Mahavidhyalaya, Sailu Dist. Parbhani from 2 August 2010 to 31 July 2013.
- (iii) Working as **Assistant Professor** in Department of Physics, Nutan Mahavidhyalaya, Sailu, Dist. Parbhani from 1 August 2013 to till date.

Orientation / Refreshers/ Short term Courses:

1. I have attended UGC Sponsored **92nd Orientation Program** held at Academic Staff College, **Rani Durgawati University, Jabalpur, MP** during 14 October 2014 to 08 November 2014.
2. I have attended UGC Sponsored **4th Winter School** held at **UGC – HRDC, Punjabi University, Patiala, Punjab** during 01 December 2016 to 21 December 2016.
3. I have Participated in online course “**Physics of Semiconductors**” organized by Centre for Development of Technical Education, **IIT, Kanpur** during 15 August 2017 to 20 Nov 2017.

9. Memberships

- (i) Life member of the Plasma Sciences Society of India (LM-820)

10. Achievements/ Awards:

- (a) I stood **First in the order of Merit List in SRTM University, Nanded** at M. Sc. Level.
- (b) I got **International Travel Support Scheme (ITS)** from **Department of Science & Technology, New Delhi, India** for attending International Conference held at China National Convention Center (CNCC), **Beijing, China** during August 20-31, 2012.
- (c) I got Funding from International Atomic Energy Agency (IAEA) for attending International Conference “**8th theory of plasma Instabilities**”, at Vienna International Center, **Vienna Austria** during June 12-14, 2017.

11. Scientific fields of Interest:

Astrophysics, Theoretical Physics, Solar atmosphere.

12. Research Publication:

1. Propagation of MHD waves in homogeneous plasma

Suresh Chandra, **B.K. Kumthekar**, G.M. Dak and M.K.Sharma: The Open Astronomy Journal **3**, 7 (2010).

2. Backward propagation of waves in solar plasma

Suresh Chandra, **B.K. Kumthekar** and G.M. Dak: Ind. J. Radio & Space Phys. **39**, 184 (2010) (**Impact Factor: 0.07**)

3. Comparison of two results for heating of the solar corona through MHD waves.

Suresh Chandra, **B.K. Kumthekar** and G.M. Dak: Bulg. J. Phys. **37**, 247 (2010)

4. Natural masers

B.K. Kumthekar, M.K. Sharma and Suresh Chandra: Meghnad Saha Memorial Symposium on Emerging Trends in Laser & Spectroscopy and Applications, held on 23-25 March 2009, at Allahabad University, Allahabad (Allied Publishers, Pvt. Ltd., New Delhi) Pg. No. 376 (2010)

5. Suggestion for the search of H₂CC in cool cosmic objects

Suresh Chandra, Amit Kumar, **B.K. Kumthekar** and M.K. Sharma: New Astronomy **16**, 152 (2011)
(Impact Factor: 1.68)

6. Intermediate Magnetoacoustic Waves

Suresh Chandra, **B.K. Kumthekar** and Amit Kumar: Romanian Astrophysical Journal **21**,47 (2011)

7. The thoughts of Swami Vivekananda's on Science.

V. B. Patare and **B. K. Kumthekar**: Proceedings in the National conference on 'Relevance of Swami Vivekananda's Thoughts in 21st Century' organized by Nutan Mahavidyalaya, Sailu Dist Parbhani (2015) Pg No. 417-420 ISBN 978-93-83871-54-4

8. The importance of diffusivity and viscosity in increase the temperature of solar plasma.

Bhagvat K. Kumthekar: International Journal of Innovative Science, Engineering & Technology (IJSET), Vol. 4 Issue 6, June 2017 ISSN (Online) 2348 – 7968 | Impact Factor (2016) – 5.264

13. Conferences/Workshops Participated

International :

1. Poster presented on "On controversy of dispersion relation" in IAEA International workshop on Challenges in Plasma Spectroscopy for Future Fusion Research Machines held at B.M. Birla Auditorium, Jaipur during February 20-22, 2008.
2. Poster presented on "The study of effect of various parameters on Intermediate Waves" in IAU XXVIII General Assemble meeting held at China National Convention Center (CNCC), **Beijing, China** during August 20-31, 2012.
3. Poster presented on "The study of effect of various parameters on Intermediate Waves" in **International Symposium on Solar-Terrestrial Physics** held at IISER, Pune, **INDIA** during November 05-09, 2012.
4. I have attended **International Workshop on 'Advanced Dynamical Core Modeling for Atmospheric and Oceanic Circulation'** held at National Atmospheric Research Laboratory (NARL), Gadanki, India during 18 – 23 February 2013.
5. Poster presented on '**The Role of Diffusivity and Viscosity in Solar Plasma**' in 29th National Symposium on Plasma Science & Technology, **PLASMA- 2014 & International Conference on Plasma and Nanotechnology**, held at Department of Physics, M. G. University, Kottayam Kerala from December 08 - 11, 2014.
6. I have attended International Conference "**8th theory of plasma Instabilities**, held at Vienna International Center, **Vienna Austria** during June 12-14, 2017 for this I have received Funds from International Atomic Energy Agency (IAEA).

National

7. Poster presented on “Propagation of MHD waves in homogeneous plasma ” in 23rd National Symposium on Plasma Science & Technology, PLASMA- 2008, held at TSH, Bhabha Atomic Research Centre, Mumbai-400 085 from December 10 - 13, 2008.
8. Poster presented on “Investigation of diffusivity and viscosity in solar plasma” in XXVII Annual Meeting of Astronomical Society of India in February 18 – 20 2009 at Indian Institute of Astrophysics, Bangalore.
9. Poster presented on ‘Natural Maser’ in the Meghnad Saha Memorial Symposium held at Allahabad University, Allahabad during March 23-25, 2009.
10. Oral presentation on ‘Intermediate Magnetoacoustic Waves’ in 5th J&K State Science Congress held at University of Jammu, Jammu during February 8 - 10, 2010.
11. Poster presented on ‘Propagation of MHD Waves in solar plasma’ in the National Space Science Symposium 2010 (NSSS-2010) held at Department of Physics, Saurashtra University, Rajkot during February 24 - 27, 2010.
12. Oral presentation on ‘Backward Propagation of waves in Solar Plasma’ in Department of Physics, North Bengal University, Siliguri during January 27- 28, 2011.
13. Poster presentation on ‘The study of effect of various parameters on intermediate waves’ in the National Space Science Symposium 2012 (NSSS-2012), held at Department of Physics, S. V. University, Tirupati during February 14 - 17, 2012.
14. Paper presented on ‘**The thoughts of Swami Vivekananda’s on Science**’ in National Conference On ‘**Relevance of Swami Vivekananda’s Thoughts in 21st Century**’ at Nutan Mahavidyalaya, sailu Dist Parbhani during 30th - 31st January, 2015
15. I have attended Two days National Level Interdisciplinary seminar on **Human Rights** held at Matoshri Shantabai Gote Arts, comm. & science College Washim, Dist Washim during February 20-21, 2015
16. I have attended National Workshop on “Astronomy with Small Telescope” held at School of Physical Sciences, S.R.T.M. University, Nanded during December 8-11, 2015.
17. Poster presentation on ‘The Role of Diffusivity and Viscosity in Solar plasma’ in the National Space Science Symposium 2016 (NSSS-2016), held at Vikram Sarabhai Space Centre (VSSC) Thiruvananthapuram during February 09 - 12, 2016.

State Level:

18. Raman conference for research students held at the S.R.T.M. University, Nanded on dated March 4, 2005.
19. Paper presented on “Investigation of diffusivity and viscosity in solar plasma” in Raman conference for research students held at the S.R.T.M. University, Nanded on March 4, 2008.
20. Participated in the program sponsored by the Indian Council of Philosophical Research, New Delhi and organized by the School of Philosophy & Culture at the SMVD University, Katra on 28 November 2009 on the theme ‘Interrelationship between Philosophy, Science and Culture’.
21. Participated in the workshop organized by the Nutan Mahavidyalaya, Sailu Dist: Parbhani on 04 March 2012 on the theme ‘A foundation course on Human Rights’.