CURRICULUM VITAE

Dr. O. B. Gurav **M.Sc. Ph.D.**
Assistant Professor
Bharati Vidyapeeth (Deemed to be University),
Department of Physics, Yashwantrao Mohite College, Pune, 411 038.
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Personal Information:

- **Name** **:** Dr. Onkar Bharat Gurav
- **Date of Birth** **:** 21/10/1991
- **Marital Status** **:** Married
- **Languages Known** **:** Marathi, Hindi and English
- **E-Mail ID** **:** omgurav91@gmail.com
- **Current Address** **:** **"**Dimbale PG house", Near Gajanan Maharaj Temple, Paud Road, Erandavane, Pune, 411 038.
- **Permanent Address** **:** "Ujwalraj", Desai Plot No. 23, At- Malwadi, Post- Bhilwadi, Tal. - Palus Dist. - Sangli. Pin- 416 303.

Academic Credentials:

- **Ph.D. in Physics, 2019**
  Department of Physics, Shivaji University,
  Kolhapur- 416 004, (M.S.) India
  Specialization: Space Science
- **Title of Ph.D. Thesis:**
  "Studies on Ionospheric Irregularities using Nightglow Technique from Kolhapur (16.8ºN, 74.2ºE, 10.6ºN Dip. Lat.)"
  Guide Name: Prof. (Dr.) A. K. Sharma
- **M.Sc. in Physics, 2014**
  Department of Physics, Shivaji University,
  Kolhapur-416004, (M.S.) India
  Specialization: Space Science
  Title of project completed for the partial fulfillment of M.Sc. degree: *"Study of Plasma Blobs using Intensity of OI 630.0 nm Emission over Kolhapur"*

- **B.Sc. in Physics, 2012**

  Krantisinha Nana Patil College, Walwa

  Tal-Walwa, Dist-Sangli, (M.S.) India

  Affiliated to Shivaji University, Kolhapur

  Specialization: Physics

Academic Record:

Degree	Year	Board/University	Percentage	Class
Ph.D. Physics (Space Science)	2014-19	Shivaji University	Awarded (25th February, 2019)	
M.Sc. Physics (Space Science)	2013-14	Shivaji University	61.50 %	First Class
B.Sc. (Physics)	2011-12	Shivaji University	75.88 %	Distinction
H.S.C. (PHY, MATHS, CHEM.,	2008-09	Kolhapur Board	64.00 %	First Class
S.S.C. (ALL)	2006-07	Kolhapur Board	71.07%	First Class
MS-CIT	2008-09	Maharashtra State Board	94 %	Distinction
Elementary (Drawing)	2008-09	Maharashtra State Board	-	Grade 'C'

Computer Proficiency:

- Operating systems: Windows XP, Vista, Windows 7/8/8.1/10
- MS-Office: 2003/2007/2010/2013
- Origin 8/8.5/16
- Typing (English) 45 wpm
- MATLAB computing R2009b, R2019b
- Adobe Photoshop CS5, CS6, CC17
- Internet surfing

Awards:

- Award of Research Assistant (RA) of DST-PURSE on 16th December, 2014.
- Award of Junior Research Fellow (JRF) of UGC-BSR Scheme on 31st December, 2015.
- Award of Senior Research Fellow (SRF) of UGC-BSR Scheme on 1st January 2018.

- Award of Research Associate (RA) of DST funded institute IIG on 16th September 2019.

Research and Teaching Experience:

- Worked as "***Lecturer in Physics***" at Gopal Krishna Gokhale College, Kolhapur for the academic year, 2014-15.
- Worked as "***Research Assistant (RA)"*** at department of Physics, Shivaji University, Kolhapur during 16th December 2014 to 5th June 2015.
- Worked as "***Junior Research Fellow (JRF)"*** under UGC BSR Scheme at department of Physics, Shivaji University, Kolhapur during 31st December 2015 to 31st December 2017.
- Worked as ***"Senior Research Fellow (SRF)"*** in the department of Physics, Shivaji University, Kolhapur from 01st January 2018 to 25th February 2019.
- Worked as ***"Research Associate (RA)"*** in DST funded government institute IIG, Navi Mumbai from 16th September 2019 to 26th February 2020.

Extra-Curricular Activities:

- Operated ***IRNSS/NavIC receiver of ISRO*** and involved in its data collection and analysis of L and S bands.
- Operated Celestron ***C5+ Cassegrain telescope*** and ***12" Go-To Dobsonian sky-watch telescope*** for night sky observations of celestial bodies.

List of Publications:

1. O. B. Gurav, V. L. Narayanan, A. K. Sharma*, R. N. Ghodpage, H. P. Gaikwad, P. T. Patil, Airglow imaging observations of some evolutionary aspects of equatorial plasma bubbles from Indian sector, ***Advances in Space Research***, 2019, https://doi.org/10.1016/j.asr.2019.04.008. ***Impact Factor: 1.52***
2. O. B. Gurav, A. K. Sharma*, R. N. Ghodpage, D. P. Nade, G. A. Chavan, H. P. Gaikwad and P. T. Patil, 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,*** 123, 2018, https://doi.org/10.1029/2018JA025810. ***Impact Factor: 2.75***

3. A. K. Sharma, O. B. Gurav*, G. A. Chavan, H. P. Gaikwad, R. N. Ghodpage, P. T. Patil, Variation in occurrence of equatorial plasma bubbles (EPBs) using All Sky Imager from low latitude station Kolhapur (16.8^{o}N, 74.2^{o}E, 10.6^{o}N dip. Lat.), ***Advances in Space Research***, 60, 2452–2463, 2017, ***Impact Factor: 1.52***

4. A. K. Sharma, O. B. Gurav*, H. P. Gaikwad, G. A. Chavan, D. P. Nade, R. N. Ghodpage, P. T. Patil. Study of Equatorial Plasma Bubbles using All Sky Imager and Scintillation Technique from Kolhapur Station: A Case Study, ***Astrophysics and Space Science***, 363:83, 2018, ***Impact Factor: 1.88***

5. A. K. Sharma, O. B. Gurav*, Anindya Bose, H. P. Gaikwad, G. A. Chavan, Atanu Santra, S. S. Kamble, R. S. Vhatkar, Potential of IRNSS/NavIC L5 signals for ionospheric studies, ***Advances in Space Research***, 2019, 0273-1177, https://doi.org/10.1016/j.asr. 2019.01.029. ***Impact Factor: 1.52***

6. R. N. Ghodpage*, Alok Taori, O. B. Gurav, P. T. Patil, G. P. Naniwadekar, S. Gurubaran, Devendraa Siingh, "Wave signature in the upper mesospheric temperature and their association with the wind fields at low latitude", ***Advances in Space Research***, Accepted, April 2019. ***Impact Factor: 1.52***

7. R. N. Ghodpage*, P. T. Patil, O. B. Gurav, S. Gurubaran and A. K. Sharma, Ionospheric response to major storm of 17th March 2015 using multi-instrument data over low latitude station Kolhapur (16.8oN, 74.2oE, 10.6oN dip. Lat.), ***Advances in Space Research***, 62, 624–637, 2018, ***Impact Factor: 1.52***

8. H. P. Gaikwad, A. K. Sharma*, O. B. Gurav, G. A. Chavan, D. P. Nade, P. T. Patil, S. S. Nikte, G. P. Naniwadekar, Seasonal, annual, and interannual variability in MLT quasi- two-day waves over the low-latitude region Kolhapur (16.8°N; 74.2°E), ***Advances in Space Research***, 0273-1177, 2019, https://doi.org/10.1016/j.asr.2018.12.029. ***Impact Factor: 1.52***

9. A. K. Sharma, G. A. Chavan*, H. P. Gaikwad, O. B. Gurav, D. P. Nade, S. S. Nikte, R. N. Ghodpage, P. T. Patil, Study of ionospheric irregularities from Kolhapur (16.4^{o}N, 74.2^{o}E), ***Journal of Atmospheric and Solar-Terrestrial Physics***, 1–7, 2017, ***Impact Factor: 1.75***

10. A. K. Sharma, G. A. Chavan*, O. B. Gurav, H. P. Gaikwad, R. N. Ghodpage, D. P. Nade, Dynamics of ionospheric irregularities in increasing phase of 24th solar cycle at Kolhapur [16.4o N, 74.2o E], ***Advances in Space Research***, 60, 2195–2205, 2017, ***Impact Factor: 1.52***

11. G. A. Chavan, A. K. Sharma*, O. B. Gurav, H. P. Gaikawad, D. P. Nade, S. S. Nikte, R. N. Ghodpage and P. T. Patil, Dependence of coherence scales of ionospheric scintillation patterns on magnetic activity, ***MAPAN-Journal of Metrology Society of India***, 2016, ***Impact Factor: 0.6***

12. A. K. Sharma, H. P. Gaikwad*, M. Venkat Ratnam, O. B. Gurav, L. Ramanjaneyulu, G. Chavan, S. Sathishkumar, Diurnal, monthly and seasonal variation of mean winds in the MLT region observed over Kolhapur using MF radar, ***Journal of Atmospheric and Solar-Terrestrial Physics***, 169, 91–100, 2018, ***Impact Factor: 1.75***

13. D. P. Nade, D. J. Shetti, A. K. Sharma*, A. Taori, G. A. Chavan, P. T. Patil, R. N. Ghodpage, O. B. Gurav, and S. S. Nikte, Geographical analysis of equatorial plasma bubbles by GPS and nightglow measurements, ***Advances in Space Research***, 56, 1901– 1910, 2015, ***Impact Factor: 1.52***

14. 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. Ghodapage, Observations in quiet day pattern of cosmic radio noise using riometers, ***Canadian Journal of Basic and Applied Sciences (CJBAS)***, 3, 213– 223, 2015, ***Impact Factor: 0.19***

15. D. J. Shetti, O. B. Gurav and G. K. Seemla, Occurrence characteristics of equatorial plasma bubbles and total electron content during solar cycle peak 23rd to peak 24th over Bangalore (13.02^{o} N, 77.57^{o} E). ***Astrophys Space Sci***, 364, 156 (2019), ***Impact Factor: 1.681***

List of Publications in conference proceeding:

1. A. K. Sharma, O. B. Gurav, S. Gurubaran, G. A. Chavan, D. P. Nade, H. P. Gaikawad, R. N. Ghodpage, P. T. Patil, and S. S. Nikte, "Variations in Zonal Drift of equatorial Plasma Bubbles (EPBs) Over Kolhapur (16.4^{o} N, 74.2^{o} E 10.6^{o} dip. lat.)," ***Proceedings of Emerging Trends in Basic and Applied Sciences (ETBAS), Gargoti***, 1–8, 2015.

List of papers presented in National and International conferences:

1. ***1st National Conference on Space and Atmospheric Science (NCSAS) at Sanjay Ghodawat University, Kolhapur, 2019.*** O. B. Gurav*, A. K. Sharma, R. N. Ghodpage, D. P. Nade, G. A. Chavan, H. P. Gaikwad, P. T. Patil, "Zonal Drift Velocity of Equatorial Plasma Bubbles During Ascending Phase of 24th Solar Cycle Using All-Sky Imager Over Kolhapur, India".
2. ***15th International Symposium on Equatorial Aeronomy (ISEA-15) at PRL, Ahmedabad, India, 2018.*** O. B. Gurav*, A. K. Sharma, V. L. Narayanan, R. N. Ghodpage, D. P. Nade, P. T. Patil and S. Gurubaran, "Morphology and evolution of Equatorial Plasma Bubbles using All Sky Imager over low latitude station Kolhapur, India".
3. ***National Space Science Symposium (NSSS) held at Vikran Sarabhai Space Center, Thiruvananthapuram during 09-12 February, 2016.*** O. B. Gurav*, A. K. Sharma, D. P. Nade, G. A. Chavan, H. P. Gaikwad, P. T. Patil, R. N. Ghodpage and S. S. Nikte, "Nocturnal variation in dimensions of equatorial plasma bubbles over low latitude station Kolhapur".
4. ***2nd URSI-Regional Conference on Radio Science held at JNU New Delhi on 16th to 19th November, 2015.*** O. B. Gurav*, A. K. Sharma, D. P. Nade, G. A. Chavan, H. P. Gaikwad, S. S. Nikte, P. T. Patil, R. N. Ghodpage and S. Gurubaran, "Identification of bifurcation of equatorial plasma bubbles based on nightglow OI 630.0 nm emissions over Kolhapur".

*Presenting author

Declaration:

I hereby declare that all the contents mentioned above are true and correct to the best of my knowledge and belief.

Thanking you.

Place: Pune

Date: 17/05/2020 Dr. Onkar Bharat Gurav