



## General Information:

Name : **Dr. Chandrakant Tamanna More**  
Date of Birth : June 1, 1969  
Current Designation : **Assistant Professor of Physics**  
Teaching Experience : 25 years  
Official Address : **Miraj Mahavidyalaya Miraj Maharashtra India**  
Permanent Address : A/P-Khatav, Tal-Miraj, Dist-Sangli.  
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Educational qualification : **M.Sc., B.Ed. Ph.D.(Physics)**

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**Website** : **www.physicjournal.com**  
PhD Thesis Title : The Studies on The Effect of Solar Activity on a Very Low Frequency Radio Propagation Via Ionosphere of the Earth

## Conferences Attended in Abroad

1. Attended and actively participated in 10<sup>th</sup> Australian Space Science Conference, held in Queensland University Brisbane, Australia [27-30 September 2010].
2. Attended and actively participated in III International Conference on “Atmosphere, Ionosphere Safety 2012” organized by Russian Institute of Chemical Physics, held in Kaliningrad, Russia [24 -30 June 2012].

## Papers Presented in International Conferences

1. Research paper entitled ‘Field Strength Measurement of VLF Radio Wave Propagation at 19.8 KHz between Australia and India’ presented in 10<sup>th</sup> Australian Space Science Conference, held at Queensland University Brisbane, Australia [27-30 September 2010].
2. Research paper entitled “‘Studies of Effect of Trans-equatorial VLF Radio Wave Propagation at 19.8 KHz via Ionosphere of the Earth’” presented in 10<sup>th</sup> Australian Space Science Conference, held at Queensland University Brisbane, Australia [27-30 September 2010].
3. Research paper entitled “‘Studies on Effect of Solar Activities on VLF Radio Wave Propagation at 19.8 kHz’” presented in III International Conference “‘Atmosphere, Ionosphere Safety 2012’” [Russian Institute of Chemical Physics] held in Kaliningrad, Russia [24 -30 June 2012].

## Papers Published

1. C. T. More, A. K. Sharma, R. V. Bhonsle, Kenneth J. W. Lynn, Field Strength Measurement of VLF Radio Wave Propagation at 19.8 kHz between Australia and India, Australian Space Science Conference Proceedings 2010, ISBN 13:978-0- 977540-4-9, PP 249-262.

2. C. T. More, A. K. Sharma Diurnal Variation of VLF Radio Wave Signal Strength at 19.8 and 24 kHz Received at Khatav India (16°46'N, 75°53'E) Research & Reviews: Journal of Space Science & Technology ISSN: 2321-2837 (Online), ISSN: 2321-6506 V(Print) Volume 6, Issue 2 [www.stmjournals.com](http://www.stmjournals.com)
3. C. T. More, A. K. Sharma Effect of Solar X-ray Flares on VLF Radio Wave Signal Strength at 19.8 and 24 kHz Received at Khatav (India) (16°46'N, 75°53'E) Research & Reviews Journal of Space Science Technology ISSN: 2321- 2837 (Online), ISSN: 2321-6506 (Print) Volume 6, Issue 3 [www.stmjournals.com](http://www.stmjournals.com)
4. K. J. W. Lynn, J. C. T. More, A. K.Sharma, Brundell, S. K. Chakrabarti, S. Kumar Mondal, Rajesh Singh, B. Veenadhari, M. B. Cohen-VLF Tran equatorial Propagation Asymmetry, submitted to Journal of Atmospheric and Solar Terrestrial Physics.

## Paper Submitted

1. Research paper entitled “A comparison of non-reciprocity for the VLF reception of NWC (19.8 kHz) over Tran equatorial east-west paths to India with reception over a non-equatorial west-east path of similar length to Dunedin, New Zealand” has been presented in COSPAR Conference, Mysore [14-22 July 2012].

## Workshops Attended in India

1. Attended and successfully completed 6 day PLANEX workshop at Space Physics Laboratory, Vikram Sarabhai Space Center, Thiruvananthapuram during the period February 7-22, 2003 organized by Indian Space Research Organization ISRO). Attended and successfully completed two days workshop on Master Resource Persons on Transit of Venus across the Sun on April 1 and 2, 2004 at Nehru Science Center, Mumbai Maharashtra.
2. Attended and successfully completed one day interactive workshop on Scientific Writing & Publishing organized jointly by Nature Publishing Group UK and Macmillan Science Communication at Jawaharlal Nehru University (JNU), New Delhi on November 29, 2013.
3. Attended and successfully completed two days Entrepreneurship Development Program of Government of India on Solar Energy Technology organized at IDEMI, Mumbai, Maharashtra on January 9- 10, 2016.
4. Actively participated in NASA, ISRO, SCOSTEP sponsored 10 days International School of Space Science at Kasturbai Walchand College, Sangli (India) during the period from 7 - 17<sup>th</sup> November 2016.

## International Linkages

1. Deborah Scherer : Stanford Solar Center, Stanford University USA
2. Maxim Golubkov : RICP Moscow Russia
3. Dr. Keneth Lynn : Ionospheric System Research Queensland Australia
4. Kit Adams : LFER Dunedin, New Zealand
5. Le Min Tann : Tay Nguyen University, Vietnam Vietnam
8. Dr. G. C. Dijkhuis : Convectron Rotterdam, the Netherlands

## Rare Astronomical Events shown to Students Staff and Public

1. Transit of Venus : June 8, 2004
2. Partial Solar Eclipse : March 29, 2006
3. Solar Eclipse : July 22, 2009
4. Partial Solar Eclipse : January 15, 2010
5. Transit of Venus : June 6, 2012
6. Sunspots : January 15, 2010
7. Sky Observation : July 13, 2015
8. Transit of Mercury : May 9, 2016
9. Moon Eclipse : August 7, 2017
10. Full Moon : October 14, 2017
11. Super Full Moon : December 3, 2017
12. Moon Eclipse : January 31, 2018

## Public Outreach Activities

### Radio Talks /Interviews/ Program on AIR Sangli

1. Transit of Venus : June 4, 2004
2. Chand Agala : June 28, 2004
3. Transit of Venus : May 25, 2012
4. Transit of Mercury : May 8, 2016

### TV Broadcasting Talks /Interviews

1. Scientific view of Khatav village Orthodox Tradition was broadcasted on Zee Marathi and other four News Channel

### Popular Articles/News Articles Published in dailies

1. Total numbers-16. One of them international: Hogging the Limelight-Times of India-June 12, 2012

## Orientation/Refresher Courses Completed

1. Refresher course in the subject of Physics with 'A' grade at UGC Academic Staff College Aligarh Muslim University Aligarh during the period from 19-11-2004 to 10-12-2004
2. Refresher course in the subject of Physics with 'A' grade at UGC Academic Staff College Osmania University Hyderabad during the period from 02-11-2006 to 23-11-2006
3. Refresher course in the subject of Physics with 'A' grade at UGC Academic Staff College Aligarh Muslim University Aligarh during the period from 31-10-2008 to 21-11-2008
4. Successfully completed 10 days International School of Space Science at Kasturbai Walchand College, Sangli (India) sponsored by NASA, ISRO, SCOSTEP during the period from 7 - 17<sup>th</sup> November 2016.

## Books/ Chapters Written / Published

One Chapter on my research work and installation of SID Monitoring system at Khatav has been written by Veteran Space Scientist Late Prof. Dr. R.V.Bhonsale in his Autobiography published in 2018.

## Ongoing Research Activities

1. SID Monitoring Station has been installed at Khatav-India (16<sup>o</sup>46' N, 75<sup>o</sup>53' E) which includes two SID monitors working at 19.8 and 24 kHz, one SuperSID monitor, Five VLF antennas, two Dataq data loggers, one AFMC DC data logger, 800 watt UPS Inverter, 200 Ah battery, one desk top, three laptops, one Digital Storage Oscilloscope, Digital Frequency Generator, Digital Multi-meter, internet access etc.
2. Recently more advanced and sensitive GPS Nanosynchronous receiver (Imported from New Zealand) has been installed at the same site which can log 8 VLF stations simultaneously and can log Phase, and amplitude. It can be useful for the Ionospheric Research Gamma Ray Bursts Solar X-ray Flares etc.
3. Research work on Designing Development and Building of new Prototype Mandolin
4. Complete Restoration of 106 year old Vintage Portuguese Mandolin