

**Name:** **Dr. Chanmal Chetan Vishnu**

Subject: Physics  
Date of Birth: 27/08/1983  
Date of Appointment: 10/09/2012  
Academic Qualification: M.Sc., SET, Ph.D.  
Recognition: P.G. Teacher  
(SUS/PGBUTR/2192/16/3/2018)

**1. Academic Qualification:**

Degree	University	Year of Passing	Class
Ph.D.	Savitribai Phule Pune University, Pune	2015	Awarded
M. Sc.	Savitribai Phule Pune University, Pune	2005	First Class
B. Sc.	Shivaji University, Kolhapur	2003	First Class with Dist.
SET	Maharashtra State	2006	Qualified

**2. Orientation/ Refresher Course:**

Sr. No	Year	Duration	Place
1	2015	09/04/2015 to 06/05/2015	Academic Staff College Maulana Azad National Urdu University (MANUU), Hyderabad
2	2016	14/06/2016 to 29/06/2016	Dept of Physics, K. L. University, Guntur

**3. Attended - Workshop/Conference/Seminar/Symposia/Congress: 14**

Sr. No.	Year	Level	Venue	Theme
1	17- 20 Dec 2006	National	NCL, Pune	IX National Conference on Polymers for Advanced Technology
2	09 to 11 July 2009	International	NCL, Pune	Nanotechnology and Advanced Functional Materials
3	5 to 10 July 2010	Workshop	IIT Kanpur	Organic Field effect transistors and OLED

4	11 Feb 2012	Workshop	Venture Center	Gel Permeation Chromatography
5	7 Oct 2012	University	DBF Dayanand College, Solapur	Workshop on Draft syllabus of B.Sc.III Physics
6	31 <sup>st</sup> Jan & 1 <sup>st</sup> Feb 2013	National	DBF Dayanand College, Solapur	Recent Trends in Emerging infectious Diseases and Environmental Pollution
7	18-19 December 2013	National	C B Khedgi's College, Akkalkot	Physics & Chemistry of Advanced Materials
8	1 March 2014	University	Dept. of Physics of Shankarrao Mohite Mahavidyalaya, Akhuj	Workshop on Draft syllabus of B.Sc.II Physics
9	6 March 2016	University	Dept. of Physics of Shankarrao Mohite Mahavidyalaya, Akhuj	Workshop on Draft syllabus of B.Sc.III Physics
10	8 Oct 2016	University	Department of Physics, Sangmeshwar College, Solapur	Workshop on Journey of Solids
11	09 February 2017	University	DBF Dayanand College, Solapur	Workshop on B.Sc. I Syllabus (CBCS Pattern)
12	9th -10th Sept. 2017	State	DBF Dayanand College, Solapur	Educational Video making
13	29th-30th Dec. 2017	National	DBF Dayanand College, Solapur	Workshop on soft skills of PCB Designing
14	20th Jan. 2018	University	DBF Dayanand College, Solapur	Workshop on B.Sc. III CBCS Pattern syllabus

**4. Presented paper – Workshop /Conference /Seminar /Symposia / Congress: 11**

Sr. No.	Year	Level	Venue	Title of the paper
1	22-23 Feb, 2014	National	National Conference on Advanced research Trends in Chemistry Chemistry Department, D.B.F. Dayanand College, Solapur	Dielectric relaxation dynamics in PVDF/BaTiO <sub>3</sub> Nanocomposites
2	22-23 Feb, 2014	National	National Conference on Advanced research Trends in Chemistry Chemistry Department, D.B.F. Dayanand College, Solapur	Synthesis of Nanocrystalline CdS thin films: Structural, morphological and optical properties
3	9-11 March 2015	International	Functional Materials @ Nanoscale: Concerns and Challenges (ICFMNCC-2015) KBP Mahavidyalaya, Pandharpur	Magneto-Dielectric properties of Ferroelectric polymer Fe <sub>3</sub> O <sub>4</sub> nanocomposites
4	21 January 2017	National	Recent Trends in Nanomaterials and it's Applications Vidnyan Mahavidyalaya, Sangola	Strong Interfacial Induced Conducting Polymer Nanocomposites for Electromagnetic Shielding Applications
5	30th April 2017	National	Innovations in Chemistry D.B.F. Dayanand College, Solapur	Interfacial Polarization induced High Dielectric Permittivity PVDF/Si <sub>3</sub> N <sub>4</sub> Nanocomposites
6	09 January 2017	State	Innovation in Nanoscience and Nanotechnology (NANO-2017) Bhartiya Jain Sanghtana's Arts, Science and Commerce College, Wagholi, Pune	Conducting Polymer Nanocomposites for Electromagnetic Shielding Applications

7	28 Sept. 2017	National	Recent trends in Nanomaterials (NCRTN-2017) YC College, Satara	Thermal Stability and Dynamic Mechanical Analysis of PVDF based Nanocomposites
8	22-23 Dec.2017	International	Second International Conference on Advances in Materials Science (ICAMS-2017) Raje Ramrao Mahavidyalaya, Jath	Morphology and dielectric studies of piezoelectric polymer based nanocomposites
9	02 Feb 2018	National	Microbiology D.B.F. Dayanand College, Solapur	Conjugated Polymers: Polydiacetylenes as a Sensor
10	14 Feb 2018	National	Nuclear Energy: Need of the Society and Misconceptions (NENSM-2018) D.B.F. Dayanand College, Solapur	Polymer nanocomposites as low thermal emissivity materials
11	14 Feb 2018	National	Nuclear Energy: Need of the Society and Misconceptions (NENSM-2018) D.B.F. Dayanand College, Solapur	Enhanced Dielectric Permittivity in Functional Polymer Nanocomposites
12	2018	National	New Nano Materials, Devices, Technology & Applications in Physics and Electronics NNMDTA-2018 Shri Shivaji Mahavidyalaya, Barshi	Polymer nanocomposites as camouflaging materials

### **5. Publication of Research paper in International /National Journals: 07**

Sr. No.	Year	Title of the paper
1	2008	Dielectric relaxations in PVDF/BaTiO <sub>3</sub> nanocomposites C. V. Chanmal, J. P. Jog eXPRESS Polymer Letters Vol.2, No.4 (2008) 294–301 ISSN 1788-618X Impact Factor 1.769

2	2009	Study of dielectric behavior in PVDF/clay nanocomposites C. V. Chanmal, J. P. Jog e-Polymers 2009, no. 112 ISSN 1618-7229 Impact Factor 0.9
3	2011	Enhanced dielectric permittivity in Poly (vinylidene) Fluoride/ multiwalled carbon nanotubes nanocomposite thin films fabricated by pulsed laser deposition Chetan Chanmal, Meenal Deo, Jyoti Jog Applied surface Science 258 (2011) 1256– 1260 ISSN: 0169-4332 Impact Factor 2.103
4	2011	Strong Electric Field Modulation of Transport in PVDF/MWCNT Nanocomposite near the Percolation Threshold Chetan Chanmala, Meenal Deoa,b, Abhimanyu Ranab, Jyoti Jog a,*, Satishchandra Ogale Solid State Communication 151 (2011) 1612–1615 ISSN: 0038-1098 Impact Factor 1.839
5	2011	Electrospun PVDF/BaTiO <sub>3</sub> nanocomposites: polymorphism and thermal emissivity studies Chetan Vishnu Chanmal & Jyoti Prakash Jog International Journal of Plastic Technology DOI 10.1007/s12588-011-9001-5 ISSN: 0975-072X
6	2013	Magnetic and dielectric properties of polymer-ceramic composites synthesized using a melt compound technique R B Jotania, C V Chanmal, J P Jog International Journal of Modern Physics:Conference Series, 22 (2013) 552–557
7	2013	Catalyst free novel synthesis of graphene and its application in high current OFET and phototransistor based on P3HT/G composite Prasad Yadav, Chetan Chanmal, Aniruddha Basu, Lily Mandal,* Jyoti Jog and Satishchandra Ogale RSC Advance, 2013,3, 18049-18054 ISSN:2046-2069 Impact Factor 3.84

No. of research paper published	Total Impact Factor	Citation index	h index	i10 index	SNIP	SJR
07	10.45	306	07	05		

### 6. Research Project:

Name of Scheme	Purpose	File No.	Grant allocated	Grant received	Grant utilized till	Remarks, if any
Mahtama Anand Swami Saraswati Research Start-Up Grant	Research		5000	5000	-	-

## 7. Research students working for Ph.D-

Sr. No	Name of the student	Title of the Research	Registration No.	Year of Reg.
1				
2				

## 7. Academic Bodies:

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## 08. Books Published:14

Sr. No.	Name of Book	Pages	ISBN No.	Year
1	Mechanics and properties of matter B.Sc.I-Paper I		ISBN 978-93-5164-150-06	June 2014
2	Electricity, Magnetism and Basic Electronics B.Sc.I-Paper IV		ISBN 978-93-5164-450-7	January 2015
3	Mechanics and properties of matter And Optics & Laser B.Sc.I-Paper I		ISBN 978-93-5164-568-9	June 2015
4	Heat and Thermodynamics, Electricity, Magnetism and Basic Electronics B.Sc.-I , paper-II		ISBN 978-93-5164-861-1	Oct 2015
5	Mathematical Physics & Statistical Physics B.Sc.III-Paper IX		ISBN 978-93-5164-755-3	August 2015
6	Electronics and Instrumentation B.Sc.III-Paper XIV		ISBN 978-93-5164-861-1	June 2015
7	Materials Science Paper-XIV		ISBN 978-93-5164-964-9	January 2016
8	Modern Physics B.Sc.II-Paper VI		ISBN 978-93-5164-928-1	January 2016
9	Mechanics and properties of matter B.Sc.I-Paper I (CBCS Pattern)		978-93-5164-568-9	July 2016
10	Optics & Laser B.Sc.I-Paper II (CBCS Pattern)		978-93-86064-27-9	August 2016
11	Heat and Thermodynamics B.Sc.I-Paper III (CBCS Pattern)		978-93-5164-861-1	December 2016
12	Electricity, Magnetism and Basic Electronics B.Sc.I-Paper IV (CBCS Pattern)		978-93-5164-861-1	December 2016

13	General Physics, Heat and Sound B.Sc.II – Paper V (CBCS Patter)		978-93-5164-686-0	June 2017
14	Electronics B.Sc.II (CBCS Pattern)		978-93-5164-687-7	June 2017

### **08. Membership:**

- ✓ Life Member Indian Association of Physics Teachers (IAPT).

### **09. Awards & Prizes:**

- ✓ Senior Research Fellowship awarded by Council of Scientific and Industrial Research (CSIR) 2008-2011
- ✓ Sakal India Foundation Prize of Rs.40, 000/- for Higher Education (Ph.D.) Studies.
- ✓ “ABLE” Prize award by Department of Biotechnology, Government of India for having scientific idea with potential application for product development.
- ✓ Secured First Prize for best paper presentation in International Conference (ICFMNCC-2015) held at KBP Mahavidyalaya, Pandharpur.

### **11. Extra Curricular Activity:**

1. Actively participated in organization of Blood donation camps and donated blood during these camps.
2. Working as a co-coordinator for “Vidnyan Vari Shanivari” activity run by Marathi Vidnyan Parishad.

### **12. Declaration:**

I hereby declare that all the statements made are true to the best of my knowledge and belief. I am aware that I will be responsible for any information given above is incomplete or incorrect.

**Date: 24/12/2018**

**Place: Solapur**

**(Dr. C. V. Chanmal)**