

## RESUME

**Name : Dr. Sachin Kulkarni**  
**Designation : Assistant Professor**  
**Department : Physics**  
**Date of joining the Institute : 22/01/2007**  
**Highest Qualification : Ph.D.**



Myself Dr. Sachin A. Kulkarni Joined as Lecturer in Physics at MIT College of Engineering in January 2007, before that I served one and half year (2005-2007) in MIT SSSP, my total service in MIT Group of Institutions is around **14 years**. My Teaching Experience is 16 years and Industrial 5 years and total approximately **21 years**. I have been always active member of the duties assigned.

Course	Institute/ University	Date of Completion	% obtained	Remarks
Graduation	North Mah. University	June 1994	58%	II Class
Post Graduation	North Mah. University	Dec 1996	62%	I Class
Ph.D	Nagpur University			

I would like to highlight some of the duties (Academics,co-curricular,sports) successfully done by me ,

### Major Responsibilities held in MIT

Sr.No.	In MITCOE	In MITWPU
<u>1</u>	F.Y. Coordinator II nd shift	BOS member 2017-18.
<u>2</u>	Coordinator Physics Department for the academic year 2013-14.	Coordinator Physics Department.
<u>3</u>	Senior Supervisor- Pune University Theory Exam .	Senior-supervisor (EndTermExamination).
<u>4</u>	Online Exam In-charge 2012-16 .Pune University'	Coordinator (Mid-Term Examination).
<u>5</u>	Expert faculty at MITADT School of Bioengineering for one semester 2016-17.	Associate CAP officer.
<u>6</u>	Established Physics lab at MIT college of Railway Engineering and Research, Barshi and MITADT School of Bioengineering .	Coordinator(Rural Immersion Program)
<u>7</u>	Coordinator F.E. Induction, Medical check-up, 1 <sup>st</sup> Persona Sport event in MITADT.	Paper setter( MIT ADT, School of engineering and School of bioengineering)
<u>8</u>	Expert Talk on nano-materials at Government Polytechnic, Nashik.	Peer reviewed International Journal and conference paper.

### Teaching Experience:

Sr.No.	University/College Institute	Designation of the post held	Subject and classes taught	Period of appointment with date	Experience in years
1	MIT College of Engineering	Asst.Prof.	Engineering physics	22/01/07-31/05/19	12
2	MIT,SSPP(Diploma)	Lecturer	Applied physics	27/07/05-31/12/06	1.4
3	SMIT (Diploma)	Lecturer	Applied physics	15/11/03-30/03/05	1.4

### Industrial Experience:

Sr.No.	Employer	Designation of the post held	Period of appointment with date	Experience in years
1	Jain Irrigation	Assistant Engineer	01-08-96 – 31-12-97	1.4
2	Metallurgical services	Q.A. Engineer	01-04-98 -15-11-00	2.3
3	P C world computers	Network engineer	14-03-2001 -28-01-2003	1.10

### Publications and Conferences:

#### A. Paper Published in International Journals :

- 1) “Effect of synthesis route on the structural, optical and magnetic properties of Fe<sub>3</sub>O<sub>4</sub> nanoparticles”, **Ceramics International**. 40 (2014) 1945–1949.
- 2) “Synthesis and Characterization of Superparamagnetic Fe<sub>3</sub>O<sub>4</sub>@SiO<sub>2</sub> Nanoparticles”, **Journal of the Korean Chemical Society**. 58 (2014) 1.
- 3) “Nano Fe<sub>3</sub>O<sub>4</sub>: The Most Promising biomedical Material” , **International Journal of Engineering Science and Research**. 4(2013).
- 4) “Synthesis and Characterization of Fe<sub>3</sub>O<sub>4</sub> Nanoparticles for Engineering Applications”, **International Journal of Computer Applications**. (2012) 17-18.
- 5) “Antibacterial Activity of Fe<sub>3</sub>O<sub>4</sub>–TiO<sub>2</sub> Nanoparticles” ,**Nanoscale Research Letters**. (Communicated)
- 6) “Optical limiting properties of Fe<sub>3</sub>O<sub>4</sub>-Ag Nanoparticles”, **Optics & Laser Technology**.(Communicated)
- 7) “Synthesis, electrical and magnetic properties Superparamagnetic Fe<sub>3</sub>O<sub>4</sub>-PANI Nanoparticles” , **Journal of Reinforced Plastics and Composites**.(Communicated)

## **B. Paper presented in International Conferences :**

- 1) “Synthesis and Characterization of Fe<sub>3</sub>O<sub>4</sub> @PANI Nanocomposites”,  
**International conference on Advances in Materials Science, Jat,Sangali.7-8 Dec.2016.**
- 2) “Synthesis and Characterization of Fe<sub>3</sub>O<sub>4</sub> Nanoparticles for Engineering Applications”, **International Conference on Benchmarks in Engineering Science and Technology(ICBEST) 2012,B.D.C.O.E,Sevagram.**
- 3) “Structural, vibrational optical properties of Fe<sub>3</sub>O<sub>4</sub>-Ag nanocomposites”,  
**International Conference on nanomaterials: Science Technology and Applications (ICNM) 2013, B S Abdur Rahman University, Vandalur, Chennai.**
- 4) “Nano technology & it’s Engineering Application”, **International Conference on Recent Trends in Energy,PVPIT, Budhgaon, Sangli, 416 304. March 10.**

## **C. STTTP Attended :**

- 1) Participated in AICTE Recognized Short term Courses On Nano-Technology Opportunity and Challenges,24-28 Oct. **2016**,NITTR,Extension Center Pune.
- 2) Participated in AICTE Recognized Short term Courses On Nano-Technology and It’s Applications ,20-24 July **2015**,NITTR,Extension Center Pune.