

Curriculum -vitae

1. **Name:** Dr. SACHIN KUMAR MAHAJAN

2. **Corresponding Address:**

Professor

Applied Science Dept. (Physics)

S.A.T.I. (Engg. College)Vidisha (MP)

Phone No. 9424415357

sachinmahajan.phy@satiengg.in

3. **Academic Qualifications:**

(a) Ph.D. in Physics (2002) Rani Durgavati University, Jabalpur (MP)

(b) M.Sc. in Physics (1992) Rani Durgavati University, Jabalpur (MP)

(c) B.Sc. (Phys, Chem, Maths) (1990) Rani Durgavati University, Jabalpur (MP)

4. **Total Teaching experience:** More than Twenty-Four years.

5. **List of Research Projects completed:**

S.No	Title of Project	Funding Agency	Period	PI/Co-PI /Joint PI	Grant received
1	Studies on Infrared Upconverting Er ³⁺ doped metal Fluoride materials F-4-131(3)2000 (MRP/CRO)	UGC New Delhi	4.05.2000 03.05.2002	PI	Rs 0.35Lacs
2	Preparation and characterization of Up converting Tm ³⁺ & Er ³⁺ doped rare-earth fluoride thin film Phosphors Project Code No P-19/97	MPCOST BHOPAL	7.04.2001 06.04.2004	Co-PI	Rs 2.16Lacs
3	Studies on Upconversion in Erbium ions doped glass ceramics 8023/BOR/RPS-198/2006-07	AICTE New Delhi	11.04.2007 10.04.2009	PI	Rs3.0Lacs
4	Study on surface Plasmon enhanced Upconversion in metal nanoparticle doped glasses File No.EMR/2015/001017	DST-SERB New Delhi	18.07.2016 17.07.2019	PI	Rs.30.04069 Lacs

6. **Publications**

1. Sci/ Scopus Journals: 30 Nos

2. National/ International Conference proceeding (non-Scopus) : 32 Nos

7. **Current area of Research:** Upconversion emission of glass and ceramics materials

8. PhD guided: Guided two scholars enrolled in BUniv, Bhopal
(PhD awarded in year 2014& 2015)

9. Reviewer of the Journals

1. Journal of Non-crystalline Solid, Elsevier
2. Ceramic International, Elsevier
3. Infrared Physics& Technology, Elsevier

10. Honors/ Awards received

1. Best presentation award for a research paper (oral presentation) in the International Seminar in Luminescence by Luminescence Society of India in Feb 2000, at MS University, Baroda.
2. International travel grant of Rs. 1.9 Lacs for visiting International Conference, Photonic West-2012, and San Francisco, USA was awarded by UGC, New Delhi in the year 2012.
3. International travel grant of Rs. 40,000 for visiting International Conference, Electronic Materials Application-2012 Orlando, Florida USA was awarded by MPCST, Bhopal.
4. Best Paper award in International Conference on Recent Advances in Sustainable Materials 28-29 July 2022, Mangalore.

11. Abroad academic visits: USA, South Korea and Singapore.

12. Administrative duties:

1. Asst .Exam Superintendent, SATI, Vidisha (from 2011 to 2013)
2. Course coordinator, Applied Physics, SATI, Vidisha (from 2021 to till date)
3. Controller Examination, SATI, Vidisha (from 2022 to till date)