# Dr. VIPIN KUMAR KAUSHIK

| 1. Personal Information | | | |
|---|---|---|---|
| (i) | Name | Vipin Kumar Kaushik |  |
| (ii) | Qualification | PhD | |
| (iii) | Designation | Assistant Professor | |
| (iv) | Email-id | vipink@sgsits.ac.in | |
| (v) | Employee No. | 1400676 | |
| (Vi) | Department | Applied Physics & Optoelectronics | |
| (vii) | Experience | 13 yesrs | |

**2. Educational Qualification**

| S. No. | Degree | Specialization | Year | University/Board |
|---|---|---|---|---|
| 1 | PhD | Semiconductor thin films | 2017 | DAVV, Indore |
| 2 | MTech | Optoelectronics | 2008 | RGPV, Bhopal |
| 3 | MSc | Physics | 2004 | CCS University, Meerut |
| 4 | BSc | PCM | 2002 | CCS University, Meerut |
| 6 | Intermediate | PCM | 1998 | UP Board Allahabad |
| 7 | High School | Science | 1996 | UP Board Allahabad |

**3. Research Interests**

Fabrication and characterization of transparent conducting thin films and their application in transparent electronics

**4. Research Paper Publications**

**(I) International/National Journal Publications**

**(i)** **Vipin K. Kaushik**, Tapas Ganguli, R. Kumar, C. Mukherjee and P. K. Sen, ”Growth and characterization of ZnO and $Mg_xZn_{1-x}O$ thin films by aerosol assisted chemical vapor deposition technique”, Thin Solid Films, 520, 3505-3509 (2012). ISSN No. 0040-6090.

**(ii)** Akash Shukla, **Vipin K. Kaushik** and Dixit Prasher, ”Growth and characterization of $Mg_xZn_{1-x}O$ thin films by aerosol-assisted chemical vapor

deposition (AA-CVD)", Electronic Material Letters, 10(1), 61-65 (2014). ISSN No. 1738-8090.

**(iii)** **Vipin K. Kaushik**, C. Mukherjee, Tapas Ganguli and P. K. Sen," Material characterizations of Al:ZnO thin films grown by aerosol assisted chemical vapour deposition", Journal of Alloys and Compounds, 689, 1028-1036 (2016). ISSN No. 0953-8388.

**(iv)** **Vipin K. Kaushik**, C. Mukherjee, Tapas Ganguli and P. K. Sen," Electrical and optical characteristics of aerosol assisted CVD grown ZnO based thin film diode and transistor", Journal of Alloys and Compounds, 696, 727-735 (2017). ISSN No. 0953-8388.

**(v)** **Vipin K.** Kaushik, C. Mukherjee, Tapas Ganguli and P. K. Sen," Electrical and optical characteristics of aerosol assisted CVD grown ZnO based thin film diode and transistor", Journal of Alloys and Compounds, 696, 727-735 (2017). ISSN No. 0925-8388.

**(II) International/National Conference Publications**

**(i)** **Vipin K. Kaushik,** A. Shukla, R. Trivedi, T. Ganguli and P. K. Sen, "Optical Characterization of Zinc Oxide Films Grown in Indigenously Developed Aerosol Assisted Chemical Vapour Deposition (AA-CVD) System, Proceedings of National Laser Symposium-08, 7-10 Jan. 2009, LSTEC, Delhi.

**(ii)** **Vipin K. Kaushik** " Characterization of Semiconductor Thin Films Deposited by Indigenously Designed Aerosol Assisted Chemical Vapor Deposition System", Proceedings of M. P. Young Scientist Congress, 28 Feb 2013 to 01 Mar, 2013, MPCST, Bhopal.

**(iii)** **Vipin K. Kaushik,** D. Gwalvanshi, S. S. Kaushal, and P. K. Sen, "Experimental Study of Electrical and Optical Properties of Pure and Doped ZnO Thin Films", Proceedings of 23rd National Laser Symposium, 3-6 Dec 2014, SVM University, Tirupati.

**(iv)** Krutika Natu, **Vipin K. Kaushik**, and P. K. Sen, "Fabrication and characterization of ZnO based thin film diode", Proceedings of 23rd National Laser Symposium, 3-6 Dec 2014, SVM University, Tirupati.

**5. List of Conferences/Workshops/Seminars Organized**

**Nil**

**6. Invited Lectures/Expert Talks/Chairmanships at Conferences**

Nil