

CURRICULUM VITAE

Name: Shailendra Kumar Pandey
Date of Birth : November 03, 1970
Present Position : Assistant Professor
Name of Institution : Gandhi Memorial National (P.G.) College, Ambala Cantt,
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Educational Qualifications :

| Degree | Year | University | Subjects |
|---------|------|----------------------------|------------------|
| B.Sc. | 1991 | Kurukshetra University | |
| M.Sc. | 1993 | Meerut University | Physics |
| M.Phil. | 1994 | University of Roorkee | Material Science |
| Ph.D. | 2017 | Punjabi University,Patiala | Material Science |

List of Research Papers Publications

- 1) **“Structure and Optical Properties of MoS₂ Films Deposited by Different Methods on Glass and Silicon Substrates”**. In **American Institute of Physics (AIP) Conf. Proc. 1675, 020040-1–020040-4 . S.K. Pandey , E. Ramya , J.K.S. Gangwar, Palvinder Kaur , Sanjeev Kumar, D.N.Rao , S.M.Rao** in **Advanced Materials and Radiation Physics (AMRP-2015)**,
- 2) **“Tuning ferromagnetism in zinc oxide nanoparticles by chromium doping”**. in **Appl Nanosci** DOI 10.1007/s13204-014-0394-2. Palvinder Kaur, **S. K. Pandey**, Sanjeev Kumar, N. S. Negi, C. L. Chen, S. M. Rao, M. K. Wu.
- 3) **“Physical and electrical properties of Silicon sheets coated with thin films”** in **Conf. Proc.ISSN:2348-0300, A Research journal of DAV College Ambala, Vol.2 , p(20-23). S.K.Pandey,Palvinder Kaur,Sanjeev Kumar, S.M.Rao**

- 4) **“Investigation of vacuum evaporation coated Mos₂ film on Si sheets grown using capillary action shaping technique”** in Bulletin of Indian Vacuum Society, Vol. 19(1), 2016, pp. 001-004, **S.K. Pandey**, Pooja Seth, Sanjeev Kumar, J. K. S. Gangwar, S. M. Rao
- (5) **“Investigation of Mos₂ Thin Films Deposited By Dip Coating on Multi Crystalline Silicon Plates Grown byCapillary Action Shaping Technique”** International Journal of Pure and Applied Physics. ISSN 0973-1776 Volume 13, Number 4 (2017), pp. 317-324, **S. K. Pandey, Sanjeev Kumar, S. M. Rao.**

Conference attended & Paper presented

During the year 2016-17:

One Day National seminar on Advancements in science and technology (ONSAST 2017) on 4th March 2017 organized by Department of Basic Science, PEC University of Technology, Chandigarh. Poster presented on “WS₂ Coated Multi-crystalline silicon sheets grown using CAST technique and their characterizations”.

Refresher course in Information Technology (IT) from 16th Nov. 2016 to 12th Dec. 2016 conducted by UGC Academic Staff College, Punjab University, Chandigarh.

Two Days EDP on “SOLAR ENERGY” organized on May 14th – 15th, 2016 in Chandigarh by The National institute for entrepreneurship and small Business development, ministry of skill Development and entrepreneurship, Govt. of India.

During the year 2015-16 :

One week short term course on “Instrumental Techniques for Chemical and Material Analysis (ITCMA-2015)”, December 21-25, 2015. Organized by Department of Applied Science, PEC University of Technology Chandigarh.

One Day National Conference on Current Advances in Theoretical & Experimental Physics (CATEP-15) November. 07, 2015, Department of Physics, Sanatan Dharam College. Ambala Cantt (Haryana). Paper presented on “**structural and magnetic characterization of Co doped ZnO nanoparticles synthesized using sol-gel method**”, and “**On the structural, dielectric and magnetic investigation on doping of Ni in BiFeO₃ nanoparticles**”.

Three Days National Conference on Physics Industry interface (NCPH-2015) Sept. 02-04, 2015, Department of Physics, Kurukshetra University Kurukshetra. Paper presented on **“Electrical Properties MoS₂ coated silicon Sheets”**.

One Day National Seminar on Recent Trends in Physics and Chemistry on 25th March 2015, organize by Department of Physics, S A Jain (PG) College, Ambala City. Paper presented on **“On the structural, dielectric and magnetic investigations on doping of Cr in BiFeO₃ nanoparticales.**

Two Days National Workshop on Advanced Materials and Radiation Physics (AMRP-2015) March 13-14, 2015 held at SLIET, Longowal (Punjab). Paper titled **“Structure ad optical properties of MoS₂ films deposited by different Methodes on glass and silicon substrates”**.

One Day National Conference on Recent Developments in Theoretical & Experimental Physics (RDTEP-15) March 07,2015, Department of Physics, Department of Physics, Sanatan Dharam College. Ambala Cantt (Haryana). Paper presented on **“Synthesis and characterization of Cr doped ZnO nanocrystalline thin films by sol-gel spin coating technique”**.

Three Day National Workshop on Emerging Trends in Sciences, February 12th-14th, 2015, held at Department of Physics , D A V College, Ambala (Haryana). Paper presented on **“Physical and electrical properties of silicon sheet coated with thin films”**.

During the year 2014-2015

Two Days National Workshop on Ion Beam Induced Growth and Engineering of Materials March 11-12, 2014, Department of physics, Kurukshetra University kurukshetra .S.K. Pandey¹.

Six Days National Workshop on Radio Isotopes and Radio Chemistry Oct.06-11, 2014,Organized by Indian Association of Nuclear Chemists and Allied scientists ,BARC at Department of Physics, S.D.College Ambala Cantt (Haryana). S.K. Pandey¹. 2013-2014

“Growth of MoS₂ crystals and their characterization”

National Symposium on Emerging Trends in Physics for Ionizing Radiations, Aerosols and Material Science (ETPRAM-13). December 13-14, 2013, Department of physics,Punjabi University , Patiala . S.K. Pandey^{1,*}, Sanjeev Kumar²., S.M.Rao³

“SYNTHESIS AND OPTICAL CHARACTERIZATION OF ZINC OXIDE NANOPARTICLES”

National Symposium on Emerging Trends in Physics for Ionizing Radiations, Aerosols and Material Science(ETPRAM-13), December 13-14, 2013, Department of physics,Punjabi University , Patiala . Palvinder Kaur¹, Sanjeev Kumar², S.K.Pandey³, S.M.D.Rao⁴

“Structural, optical and electrical characterization of sol-gel spin coatedLi doped ZnO thin films” National Seminar in recent Advances in Basic Sciences 20th Feb,

2013, Department of Physics, M.M. College Shasabad, Kurukshetra (Haryana). Sanjeev Kumar* and S.K. Pandey

During the year 2012-2013

“Optical characterization of sols containing MoS₂ films for solar applications”
International Conference on Emerging Trends in Physics for Environmental Monitoring & Management (ETPEMM-12), December 17 - 19, 2012, PUP, Patiala. S.K. Pandey^{1,4,*}, Palvinder Kaur⁴, Sanjeev Kumar², R.S. Boora³, R.C. Verma⁴, S.M. Rao⁴

“Structural, optical and electrical characterization of sol-gel spin coated Li doped ZnO thin films”. 27th Feb. 2013 at Markanda National College, Shahabad-Markanda 136 135 (Haryana). Dr. Sanjeev Kumar, S.K. Pandey .

“Growth of multi-crystalline silicon sheets by the Capillary Action Shaping Technique”. XVII National seminar on crystal growth, Jan 9-11, 2013, Chennai. Palvinder Kaur, S. K. Pandey, Leena Garg, Sanjeev Kumar, Puja Seth, Shruti Agarwal, R.C. Verma, A.C. Sharma and S.M. Rao.

“Polycrystalline Si and Silicon nanowires for Solar Cell Applications”, International Conference on Emerging Trends in Physics for Environmental Monitoring & Management (ETPEMM-12), December 17 - 19, 2012, PUP, Patiala. Palvinder Kaur, S. K. Pandey, Sanjeev Kumar, Anup Thakur, Pooja Seth, R. C. Verma and S. M. Rao

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