

CURRICULUM
VITAE

Name: Shailendra Kumar Pandey
Date of Birth : November 03, 1970
Present Position : Assistant Professor

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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^F, J. K.S. Gangwar, S. M. Rao

- (5) **“Investigation of Mos₂ Thin Films Deposited By Dip Coating on Multi Crystalline Silicon Plates Grown by Capillary 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 2020-21)

- 1) National Webinar on “Role of Music during COVID-19 Phase” on 8/7/ 2020, Organized by Deat. Of Music (Vocal & Instrument), GMN College, Ambala Cantt .
- 2) National Webinar on “New frontiers in science and technology (NFST-2021)” on 19th March 2021 approved by :DGHE,Haryana, Organized by Department of science, Markanda National College, Shahbad Markanda. Presented a paper totteled “Nano Research and Nano Technology Advancements in the Medical field”.
- 3) Workshop on “Basics of Research Paper Writing” on 8th June 2021 Organized by Office of Dean Research & Innovation Cell of Sri Guru Gobind Singh College, sector-26, Chandigarh

During the year 2019-20

- 1) Workshop on Standarization & Caliberation for realization of “ Make in India, Skillindia and Startup India” organized HARTRON and GMN College, Ambala Cantt , on **3rd & 4th October, 2019.**
- 2) **Blood Donation on 29th Jan , 2020** organized by Department of Trandfusion Medicine PGIMER, Chandigarh.
- 3) Two days national Conference on “ Plagiarism and Academic Integrity in Higher Education” at GMN College, Ambala Cantt. Organized by Haryana Library Association on **Feb 26-27, 2020**, Presented paper.
- 4) Two days national Seminar on “ Relevance of Sir Chhotu Ram’s Philosophy in the 21st Century at GMN College, Ambala Cantt on **Feb. 28-29, 2020.** Presented paper on “ Sir Chhotu Ram- ‘A Saga of Inspirational Leadership: A Physics Scenario “.

- 5) National Level Chemistry Quiz Based on Corona Virus on **28/4/2020**, organized by M.N.Collge, Shahbad Markanda. Certificate ID XHPZZY-CE000074.
- 6) National level Quiz on Awareness of COVID-19 on **1/5/2020**, organized by **GMN College, Ambala Cantt . Certificate ID ELOOA0-CE000053.**
- 7) “ Online National Awareness Program On COVID-19” on **13/5/2020**, Organized by **Indian Association of Physics Teachers (IAPT, RC-09)**. Certificate ID DHV8E4-CE001799.
- 8) Faculty Development Programme : National webinar on “ Challenges & Opportunities before Indian Higher education due to Covid-19” on **2/5/2020** organized by **Guru Angad Dev Teaching Learning centre SGTB Khalsa Collge, University of Delhi**. Certificate no GAD-LC/2020/WB11/2147.
- 9) Online National Level Quiz Competition , Organized by dept. of Sanskrit & Hindi, GMN College, Ambala Cantt . Certificate ID VX55RW-CE000568.
- 10) **One Week Faculty Development Programme on “ Recent Advances in Science & Technology”, on 21-27 May 2020.** Organized by RPS Group of Institutions, Mahindergarh, Haryana.
- 11) Webinar on “ **Importance of Soft Skills & Technology in Career Development**” Organized by Department of Applied Science on **31st May 2020** **RPS Group of Institutions**, Mahindergarh, Haryana.
- 12) Webinar on “ **Developing Career Oriented Skills During Pendamic Period**” Organized by **Department of Applied Science on 30th May 2020** **RPS** Group of Institutions, Mahindergarh, Haryana.
- 13) **One Day International Virtual Conference on “ Novel Corona and Novel Challenges: Life ahead with Covid-19” on 3/6/2020.** Organized by UGC Cell Sri Guru Gobind Singh College, Sector 26, Chandigarh.
- 14) **One Day International Webinar on “ Sanskrit, Yog and Health Sarwardhan” on 17/06/2020**, Organized by Dept. of Sanskrit, GMN College, Ambala Cantt and Haryana Sanskrit Acadami, Panchkula(Haryana).
- 15) Webinar on “ **Forensic Science : A Fascinating Carrer**” on **6/6/2020**, Organized by **GMN College**, Ambala Cantt and RIMIT University, Mandi Gobindgarh.

- 16) Webinar on “**Pandemic Vis a Vis Enviroment**” on **16/6/2020**, Organized by GMN College, Ambala Cantt and RIMIT University, Mandi Gobindgarh.
- 17) One Day Webinar on “Vaishik Mahamari ke Dowran me Santo ke Prasangkta” on **16/6/2020**, Organized by GMN College, Ambala Cantt and Global Hindi Sahitya Shodh Sansthan ke Sayukt Tatwadhan.
- 18) Webinar on “Role of Mass Communication in Social and Cultural Awarness” on **30th June, 2020**, Organized by Dept. Of Mass Communication in Social and Cultural Awareness, GMN College, Ambala Cantt and RIMIT University, Mandi Gobindgarh.
- 19) National Webinar on “Role of Music during COVID-19 Phase” on 8/7/ 2020, Organized by Dept. Of Music (Vocal & Instrument), GMN College, Ambala Cantt .
- 20) **National Webinar on “Challenges and opportunitiers in Higher Education after COVID-19” on 30th June, 2020**, Organized by GMN College, Ambala Cantt and RIMIT University, Mandi Gobindgarh.

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 (NCPII-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 coated Li 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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