

CONTACT

DR. SATYENDRA SINGH

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OBJECTIVE

To utilize my teaching and administrative skills and provide skilled students for serving our nation by applying and honing my knowledge and working in a challenging and motivating working environment.

PERSONAL DETAILS

- Date of Birth : 07/01/1971
- Marital Status : Married
- Nationality : Indian
- :

EDUCATION

2012

- **Rajiv Gandhi Praudyogiki Vishwavidyalaya (Technical University of M.P.), Bhopal, (M.P.)**
Ph. D (Applied Physics)

1994

- **Jiwaji University, Gwalior, India**
M. Sc. (Applied Physics)
65%

1991

- **Agra University, Agra, India**
B. Sc.
60.7%

1988

- **U.P. Board, Allahabad**
Intermediate
57.6%

1986

- **U. P. Board, Allahabad**
High School
59.5%

EXPERIENCE

01/11/2017 -
Continue

- **Seth G. B. Podar College, Nawalgarh, Jhunjhunu (Rajasthan)**
Principal
Besides of administrative work of institution, teaching Physics, in UG and PG classes.

01/04/2016 -
31/10/2017

- **Seth G. B. Podar College, Nawalgarh, Jhunjhunu, (Rajasthan)**
Associate Professor in Physics

- 31/01/2014 -
31/03/2016
 - **ShriRam College of Engineering & Management, Ban more near Gwalior**
Associate Professor & Director (Academics)
- 14/08/2008 -
30/01/2014
 - **Hindustan College of Science & Technology, Farah, Mathura (U.P.)**
Assistant Professor in Physics
- 29/09/1999 -
13/08/2008
 - **ShriRam College of Engineering & Management, Ban more near Gwalior**
Senior Lecturer in Physics
- 01/07/1995 -
28/09/1999
 - **Y. V. S. Mahavidyalay, Gwalior (M.P.)**
Lecturer in Physics

INTERNATIONAL/NATIONAL/CONFERENCES/WORKSHOPS ATTENDED ---

- **International Conference on Nanoscience and Technology (ICONSAT 2008)**
Presented 02 research papers in International Conference on Nanoscience and Technology (ICONSAT 2008) from 27-29 Feb., 2008) in Chennai, TamilNadu, India.
- **International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2011)**
Presented 01 research paper in International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2011) (from December, 8-10, 2011) organized by Indian Institute of Technology (IIT), Guwahati, India.
- **Fifth IEEE International Conference on Communication Systems and Network Technologies (CSNT-2015)**
Presented 01 research paper in Fifth IEEE International Conference on Communication Systems and Network Technologies (CSNT-2015) from April 4-6, 2015 organized by MIR Lab, Gwalior.
- **National Seminar on Emerging Trends in Communication & Control Technologies**
Participated in 'National Seminar on Emerging Trends in Communication & Control Technologies at Shri Ram College of Engg. & Management, Banmore, near Gwalior, during March, 25-26, 2006.
- **National Seminar on Recent Trends in Information Technology**
Participated in National Seminar on Recent Trends in Information Technology at Shri Ram College of Engg. & Management, Banmore, near Gwalior, during April, 15-16, 2006.

- **National Workshop on Recent Trends in Nanotechnology (RTN -07)**
 Participated in 'National Workshop on Recent Trends in Nanotechnology (RTN -07), Department of Applied Physics, SGSITS, Indore, during March, 29-31, 2007.
- **National Conference on Recent developments & Futuristic Trends in Mechanical Engineering**
 Participated in National Conference on Recent developments & Futuristic Trends in Mechanical Engineering at Shri Ram College of Engg. & Management, Banmore, near Gwalior, during April, 28-29, 2007.
- **National Seminar on Renewable Energy : Potential & Sustainable Development**
 Participated in National Seminar on Renewable Energy : Potential & Sustainable Development at Madhav Institute of Technology & Science(MITS), Gwalior, during September, 25-26, 2007.
- **Public Awareness Programme and Seminar on Atom for Peace**
 Participated in Public Awareness Programme and Seminar on Atom for Peace, Organized by BARC, Mumbai & Department of Applied Physics, Madhav Institute of Technology & Science, Gwalior on 5th February, 2008.
- **53rd DAE Solid State Physics Synopsis, 2008**
 Presented a research paper in 53rd DAE Solid State Physics Synopsis, 2008, organized by Bhaba Atomic Research Centre & Tata Institute of Fundamental Research, Mumbai on December, 16-20, 2008.
- **Symposium on Current Trends in Nanoscience & Technology CTNT-2009**
 Presented a research paper in Symposium on Current Trends in Nanoscience & Technology CTNT-2009, organized by ABV-Indian Institute of Information Technology & Management, Gwalior (M.P.) on January, 15-16, 2009.

- **National Symposium on New Trends in Biosensors Technology (NSNTBT-2009)**
Participated in National Symposium on New Trends in Biosensors Technology NSNTBT-2009 organized by Department of Physics, Hindustan College of Science & Technology, Farah, Mathura (U.P.) on January, 17-19, 2009.
- **National Seminar on Recent Developments in Sensors and Applied Systems-2010**
Participated in National Seminar on Recent Developments in Sensors and Applied Systems-2010, organized by Department of Physics, ITM UNIVERSE, Gwalior on April, 28-30, 2010.
- **workshop on Nanotechnology and its Applications-2010**
Attended a workshop on Nanotechnology and its Applications-2010, organized by Department of Applied Sciences, Madhav Institute of Technology & Science, Gwalior (M.P.) on 29th June, 2010.
- **National Conference on Electronic Materials and Applications**
Presented research paper in National Conference on Electronic Materials and Applications, held at Jiwaji University, Gwalior (M.P.) on June 10th -11th , 2011.
- **National Conference on Recent Advantages in Nanoscience & Technology**
Presented research paper in “National Conference on Recent Advantages in Nanoscience & Technology, organized by ABV-Indian Institute of Information Technology & Management (ABV-IIITM), Gwalior, on November, 19- 20, 2011.

PUBLICATION IN INTERNATIONAL/NATIONAL CONFERENCES ---

- **Stability Analysis of different GaN nanowires**
Pankaj Srivastava & Satyendra Singh
Proceedings of International Conference on Nanoscience & Nanotechnology (ICONSAT-08),
p.p. D-001; Chennai, February, 27-29, 2008.

- **Linear and non-linear optical properties Of GaN nanowires**
Pankaj Srivastava, Satyendra Singh & Anurag Srivastava;
Proceedings of International Conference on Nanoscience &
Nanotechnology (ICONSAT-08), p.p. B-003; Chennai, February, 27-29,
2008.
- **Electronic properties of different GaAs nanowires**
Pankaj Srivastava & Satyendra Singh
Proceedings of DAE Solid State Physics Symposium, Vol. 53,
p.p. 505-506, 2008.
- **First principles study of different Gallium Phosphide nanowires;**
Satyendra Singh, Pankaj Srivastava and Abhay Mishra
Proceedings of Symposium on current trends in Nanoscience and
Technology (CTNT-09), ABV-IIITM, Gwalior; pp. 22, January,
2009.
- **First Principles Study of Gallium Antimonide Nanowires**
Pankaj Srivastava, Satyendra Singh and Abhay Mishra
International Conference on Advanced Nanomaterials and
Nanotechnology (ICANN-2009), IIT, Guwahati, December 09-
12, 2009.
- **Electronic Properties of GaP Nanowires of Different Shapes**
Pankaj Srivastava, Satyendra Singh and Abhay Mishra
oral presentation in IEEE International Nano Electronics
Conference (INEC)- 2010, Hong Kong, China, January, 3-8, 2010.
- **First principles study of GaAs Nanowire and biosensor applications**
Satyendra Singh, Prabodh Sahai Saxena, Pankaj Srivastava and
Abhay Mishra,
oral presentation in National Seminar on Recent Developments in Sensors
and Applied Systems-2010, Gwalior, India, April, 28-30, 2010.
- **Stability analysis of Zinc Sulphide Nanowires : An ab-initio Study**
Satyendra Singh, Pankaj Srivastava and Abhay Mishra;
Oral presentation in National Conference on Electronic
Materials and Applications, held on June 10th-11th, 2011 at
Jiwaji University, Gwalior (M.P.).

- **Optical properties of GaP Nanowires**

Satyendra Singh, Pankaj Srivastava International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2011), IIT Guwahati, December 08-11, 2011.

TRAINING PROGRAMMES ATTENDED

- **MHRD/AICTE sponsored short term training programme on Modeling and Simulation in Applied Sciences and Engineering (MSASE-09)**

Participated and successfully completed the MHRD/AICTE sponsored short term training programme on Modeling and Simulation in Applied Sciences and Engineering (MSASE-09) conducted by ABV-Indian Institute of Information Technology (ABV-IIITM), Gwalior during December, 08-12, 2009.

- **Faculty Development Programme (FDP) on effective teaching in PHYSICS**

Participated and successfully completed the Faculty Development Programme (FDP) on effective teaching in PHYSICS sponsored by Uttar Pradesh Technical University (UPTU), Lucknow and conducted by ABES Engineering College, Ghaziabad during December, 21-24, 2009.

- **AICTE sponsored Staff Development Programme on Emerging World of Nanotechnology**

Participated and successfully completed the AICTE sponsored Development Programme on Emerging World of Nanotechnology conducted by Institute of Technology & Management (ITM), Gwalior (M.P.) during August, 1-6, 2011.

- **Nanomaterials: Characterization & Applications**

Participated and successfully completed the "Nanomaterials: Characterization & Applications conducted by NITTTR, Chandigarh during November, 10-14, 2014.

ACHIEVEMENTS & AWARDS

- Supervised 02 research scholars as Co-supervisor for awarding Ph. D degree.

- Gold medal in State level Science Exhibition, Roorkee in November, 1987.

- Best Teacher Award, awarded by Sharda Group of Institutions (SGI), Agra on 5th September, 2010.

REFERENCE

- **Dr. Pankaj Srivastava - "ABV-IIITM, Gwalior (M.P.)"**
Professor
pankajs@iiitm.ac.in
9425121627
- **Dr. G. S. Tomar - "THDC Institute of Hydropower Engineering & Technology, Tehri (Uttarakhand)"**
Director
gstomar@ieee.org
9425744460
- **Dr. Sanjay Gomasta - "Maharana Pratap College of Technology, Gwalior (M.P.)"**
Director
sgomasta@gmail.com
9479874604

PUBLICATION IN INTERNATIONAL REFERRED (SCI/SCOPUS) JOURNAL

- **Stability and Electronic properties of GaN Nanowires: An ab initio approach**
Pankaj Srivastava, Satyendra Singh and Abhay Mishra;
Journal of Computational and Theoretical Nanoscience (ASP-USA), Vol. 5, No.4, p.p. 635-638, April, 2008.
- **Linear & Second-order optical response of different GaN Nanowires**
Pankaj Srivastava, Satyendra Singh;
PHYSICA-E: Low-Dimensional System & Nanostructures (UK); Vol. 40, No.8, pp.2742- 2746, 2008.
- **Ab- initio study of Gallium Arsenide Nanowires**
Satyendra Singh, Pankaj Srivastava and Abhay Mishra
Journal of Computational and Theoretical Nanoscience (ASP-USA), Vol. 6, No. 7, pp.1556-1560, 2009
- **Stability structure of different Gallium Nitride nanowires**
Pankaj Srivastava and Satyendra Singh
International Journal in Electronics Engineering (IJEE), Vol. 1 No. 2, 2009.
- **Stability analysis of different thin Mg nanowires**
Pankaj Srivastava, Satyendra Singh and Prabodh Sahai Saxena

World Journal of Engineering (Special issue of 17th International Conference on Composites or Nano Engineering, ICCE-17, Honolulu, Hawaii, USA), pp. 981, 2009.

- **Structural Stability and electronic properties of GaSb nanowires;**
 Satyendra Singh, Pankaj Srivastava and Abhay Mishra
 Physica-E: Low-Dimensional & Nanostructures (UK); Vol. 42 No. 1 pp. 46-50, 2009.
- **Ab-initio Study of Isomeric Structures of Agn (n=1-5) Nanowires**
 Satyendra Singh, Pankaj Srivastava and Abhay Mishra
 Journal of Computational and Theoretical Nanoscience (ASP-USA), Vol. 7, No. 6, pp. 1059-1065, 2010.
- **Stability Analysis of AlN nanowire**
 Pankaj Srivastava and Satyendra Singh
 Journal of Computational and Theoretical Nanoscience (ASP-USA), Vol. 8, No. 9, pp.1764-1768, 2011.
- **Electronic Properties of GaP Nanowires of Different shapes**
 Pankaj Srivastava, Satyendra Singh, Abhay Mishra
 Journal of Nanoscience and Nanotechnology (ASP-USA), Vol. 11, No. 12, pp. 10464-10469, 2011.
- **Optical properties of gallium phosphide (GaP) nanowires**
 Satyendra Singh and Pankaj Srivastava
 International Journal in Applied Nanoscience (UK), Vol. 3, No. 2, pp. 89-94, 2013.
- **Linear and Nonlinear optical properties of GaAs Nanowires**
 Satyendra Singh and Pankaj srivastava
 International Journal of Applied Nanoscience (UK), Vol. 5, No. 3, pp. 273-279, 2015.
- **Ab-initio Study of the Structural Stability and Electronic Properties of ZnO Nanowires**
 Satyendra Singh and Pankaj Srivastava

 IEEE xplore, 2015.
- **Ab-initio study of Electronic properties of Cadmium Sulphide Nanowires**
 Satyendra Singh, Sanjay Prakash Kaushik and Supreem
 Journal of Computational and Theoretical Nanoscience (ASP-USA), Vol. 17, No.2/3, p.p. 546 - 551, 2020.
- **First Principle Study of Structural Stability and Electronic Properties of CdTe Nanowires**
 Satyendra Singh, Sanjay Prakash Kaushik and Ram-Krishna Thakur
 Journal of Computational and Theoretical Nanoscience (ASP-USA), Vol. 17, No.12, p.p. 5210 - 5214, 2020.

- **Stability and Electronic properties of ZnSe Nanowires: An ab-initio Approach**

Sanjay Prakash Kaushik, Satyendra Singh and Ram-Krishna Thakur
Nanosystems: Physics, Chemistry, Mathematics; Vol. 11 No. 5, pp 546-553, 2020.