

Dr. MADHVENDRA NATH TRIPATHI



AREA OF RESEARCH INTEREST

- Computational material science
 - Transport properties of solids
 - Thermal and thermoelectric properties of low-dimensional systems
 - Solar cell materials, Photovoltaic materials
 - Energy storage materials
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TECHNICAL SKILLS

- Working knowledge of DFT based VASP, PWscf (Quantum Espresso), Gaussian, Abinit, Siesta, CASTEP simulation packages.
 - Working experience on HITACHI SR 11000 Supercomputer and cluster machines.
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SCIENTIFIC ACHIEVEMENTS

Professional/Research Positions

- **(Present Position)**
Associate Professor, Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya (Central University), Koni, Bilaspur, C.G., India 495009.
(May 2011-till date)
- **Visiting Scientist**, TUE-CMS (Thematic Unit of Excellence-Computational Material Science), Theoretical Science Unit, Jawaharlal Nehru Center for Advanced Scientific Research (JNCASR), Bangalore, Karnataka, India.
(June 04, 2015 to June 26, 2015).
- **Post-Doctoral Research**, Prof. Y. Kawazoe Lab, Materials Design Division, Institute for Materials Research (IMR), Tohoku University, Sendai, Miyagi, Japan.
(January 2009-March, 2011)
- **Assistant Professor**, Department of Physics, CMP College, University of Allahabad, Allahabad, Uttar Pradesh, India 211001.
(20 January, 2001- April, 2011)
- **Visiting Scientist**, Institute for Materials Research (IMR), Tohoku University, Sendai, Japan.
(December 24, 2011 ó January 14, 2012).
- **Visiting Scientist**, TUE-CMS (Thematic Unit of Excellence-Computational Material Science), Theoretical Science Unit, Jawaharlal Nehru Center for Advanced Scientific Research (JNCASR), Bangalore, Karnataka, India.
(June 29-July 13, 2012).
- **Visiting Scientist**, Materials Design Division, Institute for Materials Research (IMR), Tohoku University, Sendai, Japan.
(November 21-30, 2012)

- **Summer Research Fellowship** sponsored by IASc-INSA-NASI, at Jawaharlal Nehru Center for Advanced Scientific Research (JNCASR), Bangalore, Karnataka, India. (May-July, 2008)
- **Research Fellow** Department of Physics, University of Allahabad, Allahabad, Uttar Pradesh, India, 211001. (20 January 2001 - 29 March 2007)
- **CSIR Junior Research Fellow (JRF)** from 22 July 2000-20 Jan 2001 in the Department of Physics, University of Allahabad.

Projects

1. **UGC-MRP (F.No.: 41-1009/2012)** Density functional study of magneto-opto-electronic properties of transparent conducting oxides. (July 01, 2012-June 30, 2015)

Book Published:

Title: Thermal & thermoelectric properties of low-dimensional semiconductors

Author: M N Tripathi

Publisher: Scholars' Press, Saarbrücken, Germany (ISBN-10: 3639705394)

List of Publications: (last ten years)

- ✚ Structural, elastic, electronic and optical properties of lead-free halide double perovskite Cs₂AgBiX₆ (X= Cl, Br, and I), MN Tripathi, A Saha, S Singh, Materials Research Express 6 (11), 115517 (2019).
- ✚ Sr-doped LaMoN₃ and LaWN₃: New degenerate p-type nitrides, Santosh Singh, and Madhvendra Nath Tripathi, Journal of Applied Physics 124, 065109 (2018).
Doi: 10.1063/1.5035135.
- ✚ (Paper on education policy) S. Tripathi, M. N. Tripathi, Need of New Educational policy in India, The Journalist-A Media Research Journal, UGC Appr.No.49283, Volume-4, Number-28, page 127 (2018).
- ✚ Effect of Sr-doping on the band structure of BaTiO₃ through density functional theoretical calculations, Sidar, C., Tripathi, M.N., Bajpai, P.K., Computational Condensed Matter, 11, pp 27-32 (2017).
- ✚ Electronic structure and optical properties of prominent phases of TiO₂: First-principles study, Singh, S., Tripathi, M.N., Pramana- Journal of Physics, 89 (1) 5 (2017).
- ✚ Naresh K. Kumawat, Madhvendra Nath Tripathi, Umesh Waghmare, and Dinesh Kabra, Structural, Optical, and Electronic Properties of Wide Bandgap Perovskites: Experimental and Theoretical Investigations, *Journal of Physical Chemistry A*, (2016), 120 (22), pp 391763923.

- ✚ Santosh Singh and Madhvendra Nath Tripathi, Enhanced optoelectronic property of ZnO under negative pressure condition: a first-principles study, *Mater. Res. Express* 3 (2016) 086301.
- ✚ Santosh Singh, and Madhvendra Nath Tripathi, New route of phase transition for enhanced TCO property of ZnO: A first-principles study, *AIP Conference Proceedings*, 1731, 090029 (2016).
- ✚ Madhvendra Nath Tripathi, Effect of doping of tin on optoelectronic properties of indium oxide: DFT study, *AIP Conference Proceedings*, 1665 (1), 090048 (2015). (0094-243X)
- ✚ S. Singh and M. N. Tripathi, First-Principles Study of Structural, Electronic and Optical Properties of wz-Zinc Oxide, *Adv. Sci. Lett.* **21**, 2688-2691 (2015).
- ✚ M. N. Tripathi and Y. Kawazoe, Effect of Nature of Dopants on Electronic and Optical Properties of Indium Tin Oxide, *Adv. Sci. Lett.* **21**, 2697-2700 (2015).
- ✚ Madhvendra Nath Tripathi, Effect of phonon confinement on lattice thermal conductivity of lead Telluride quantumwell structure, *AIP Conference Proceedings*, 1591(1), 1316-1318 (2014). (0094-243X)
- ✚ M. N. Tripathi and J. Pal, First-principles study of undoped and La-doped SrTiO₃, *Proceeding of International Conference on Multifunctional Materials Structures and Applications*, 208 (2014).
- ✚ M. N. Tripathi, K. Shida, R. Sahara, H. Mizuseki, Y. Kawazoe, First-principles analysis of structural and opto-electronic properties of indium tin oxide, *Journal of Applied Physics*, 111, 103110, (2012).
- ✚ M. N. Tripathi, K. Shida, R. Sahara, H. Mizuseki, and Y. Kawazoe, Optoelectronic and magnetic properties of Mn-doped indium tin oxide: A first-principles study, *Journal of Applied Physics*, 112, 073105 (2012).
- ✚ K. Shida, R. Sahara, M. N. Tripathi, H. Mizuseki, and Y. Kawazoe, Conductivity Percolation on a Cubic Lattice with Two Different Sizes of Particles, *Material Transactions* 52 (1), 108-111 (2011).
- ✚ M. Khazaei, M. N. Tripathi, and Y. Kawazoe, First-principles simulation of cyanogen under high pressure: Formation of paracyanogen and an insulating carbon nitride solid, *Physical Review B* 83, 134111 (2011).
- ✚ M. N. Tripathi and C. M. Bhandari, Non-monotonic behavior of Electronic transport coefficients in Si-Ge quantum wells, *Int. J. Mod. Phys. B* 25(6), 813-822 (2011).
- ✚ K. Shida, R. Sahara, M. N. Tripathi, H. Mizuseki, and Y. Kawazoe, Conductivity Percolation on a Cubic Lattice with Core-Shell Particles, *Material Transactions* 52 (6), 1259-1262 (2011).

- ✚ M. N. Tripathi, U. V. Waghmare, T. N. Ramesh and P. V. Kamath, Polytypism and Stacking Disorders in Nickel Hydroxide: A First-principles Study, *Journal of The Electrochemical Society* 157 (3), A280-A284 (2010).
- ✚ K. Shida, R. Sahara, M. N. Tripathi, H. Mizuseki, and Y. Kawazoe, Controlling the percolation threshold of conductor-insulator composites by changing the granular size of insulators, *Material Transactions* 51(6), 1141-1144 (2010).
- ✚ K. Shida, R. Sahara, M. N. Tripathi, H. Mizuseki, and Y. Kawazoe, Conductivity percolation on a square lattice with core-shell particles, *Material Transactions* 51(4), 771-774 (2010).
- ✚ K. Shida, R. Sahara, M. N. Tripathi, H. Mizuseki, and Y. Kawazoe, Improved modeling of the percolation behavior of conductor-insulator composites with modulated granular size distributions; *APS March Meeting*, 1, 1174 (2010).
- ✚ M. N. Tripathi, C. M. Bhandari, M. P. Singh, Lorenz number in Low-dimensional Structures, *Physica B* 405, 4818-4820 (2010).
- ✚ K. Shida, R. Sahara, M. N. Tripathi, H. Mizuseki, and Y. Kawazoe, Conductivity percolation on a square lattice with two different sizes of particles, *Material Transactions* 50 (12), 2848-2851 (2009).

Invited Talk (Recents) (International/National)

- ✚ Invited Talk in National Conference on Recent Advances in physical Sciences (NCRAPS-2019), Govt. KRGPG College, Rajnandgaon, Chhattisgarh, India, November 19, 2019.
- ✚ Invited talk in 3rd National Conference on Advances in Environmental & Chemical Sciences (NCAECS) at Pt. R. S. S. Univ. Raipur, March 27-28, 2019.
- ✚ Invited talk in National conference on Carbon Management and Sustainable Development, at Arvind College, Kirandul, Dantewada (C.G.), Feb 01-02, 2019.
- ✚ Invited Lecture in the two days Skill Development Workshop Organized by Skill Development Cell and School of Physical Science, Guru Ghasidas Vishwavidyalaya, Bilaspur, March 12-13, 2019.
- ✚ Invited talk in 20th Orientation course, UGC-ASC, Guru Ghasidas Vishwavidyalaya, Bilaspur, March 12, 2018.
- ✚ Invited talk at Department of Chemistry, 2nd National Conference on Advances in Environmental & Chemical Sciences to be held from 22-23 March, 2018 at Pt. R. S. S. Univ. Raipur.
- ✚ Invited talk in 19th Orientation course, UGC-ASC, Guru Ghasidas Vishwavidyalaya, Bilaspur, November 11, 2017.
- ✚ Invited talk at Department of Physics, Bhilai Institute of Technology, Bhilai in BITCON 2017, March 28, 2017.
- ✚ Invited talk at Department of Physics, University of Allahabad, International conference on Emerging Materials and Applications (ICEMA), February 21, 2017.

- ✚ Invited talk in 17th Orientation course, UGC-ASC, Guru Ghasidas Vishwavidyalaya, Bilaspur, February 01, 2017.
- ✚ Invited Talk in International Conference on New Scintillations on Materials Horizon (ICNSMH-2016), M.J.P. Rohilkhand University, Bareilly, October 22, 2016.
- ✚ Invited talk in Refresher course at Department of Physics, UGC-ASC, Guru Ghasidas Vishwavidyalaya, Bilaspur, June, 2016.
- ✚ Invited talk in UGC-Refresher Course on Climate Change, Center for Atmospheric and Ocean Science, University of Allahabad, Allahabad, UP, India, February, 2016.
- ✚ Invited talk in UGC-Refresher Course on Climate Change, Center for Atmospheric and Ocean Science, University of Allahabad, Allahabad, UP, India, January 22, 2015.
- ✚ Invited Talk and Chaired a session in International conference of advanced materials for power engineering (ICAMPE), 2015 at Mahatma Gandhi University Kottayam, Kerala, India, Dec 12, 2015.
- ✚ Invited Talk in National Research Seminar on space science and environment, RGGPG College, Ambikapur, 20 Nov 2015.
- ✚ Resource person for orientation course of UGC-ASC, Guru Ghasidas Vishwavidyalaya, Bilaspur, December 2014.
- ✚ Invited Talk in Asian Consortium on Computational Material Science ACCMS-VO7, Sendai & Matshushima, Japan, Nov.23-25, 2012.
- ✚ Invited Talk in ITO Conference at Tohoku University, Katahira sakura hall, Sendai, Japan, May 26, 2009.

Papers presented in Conference/Symposium/Seminar/workshop (International)

- ✚ Presented Policy Paper on Empowering Tribals: Need of Basic Scientific Education in International conference ñNEP-NAMODIö at IGNTU University, Amarkantak, July 2016.
- ✚ Participated, Frontiers in Advanced Materials (FAM)-2015, Indian Institute of Sciences (IISc), Bengaluru, India, (June 15-18, 2015).
- ✚ International e-workshop and conference on computational condensed matter physics and material science (IWCCMP-2014), ABV-Indian Institute of Information Technology, Gwalior, Madhya Pradesh, India, November 25-30, 2014.
- ✚ International conference on Multifunctional Materials, Structures and Applications (ICMMSA-2014), Organized by Centre for Interdisciplinary Research (CIR), MNNIT Allahabad, India in Collaboration with University of Missouri (MU), Columbia, USA, December 22-24, 2014.
- ✚ M. N. Tripathi, K. Shida, R. Sahara, Hiroshi Mizuseki, Yoshiyuki Kawazoe, MRS-J 2010, Annual meeting of Material Research Society-Japan, Dec.20-22, 2010, Yokohama, Japan.

- ✚ M. N. Tripathi, K. Shida, R. Sahara, Hiroshi Mizuseki, Yoshiyuki Kawazoe, The Fifth general meeting of 5th ACCMS-VO (Asian Consortium on Computational Materials Science-Virtual Organization), Institute for Materials Research, Tohoku University, December 10-13, 2010, Sendai, Japan.
- ✚ M. N. Tripathi, K. Shida, R. Sahara, Hiroshi Mizuseki, Yoshiyuki Kawazoe, 2010 MRS Fall Meeting: Transparent Conducting Oxides and Applications, November 29-December 2, 2010, Boston, USA.
- ✚ M. N. Tripathi, K. Shida, R. Sahara, Hiroshi Mizuseki, Yoshiyuki Kawazoe, Novosibirsk-Tohoku Global COE Conference for young scientists, 21-26 September 2010, Nikolaev Institute of Inorganic Chemistry, SB RAS, Novosibirsk, Russia.
- ✚ M. N. Tripathi, K. Shida, R. Sahara, Hiroshi Mizuseki, Yoshiyuki Kawazoe, Spring College on Computational nanoscience, May 17-28, 2010, International centre for Theoretical Physics (ICTP), Trieste, Italy.
- ✚ M. N. Tripathi, K. Shida, R. Sahara, Hiroshi Mizuseki, Yoshiyuki Kawazoe, Nanogakkai, Annual meeting of Society of Nanoscience and Technology, May 2010, Tokyo, Japan.
- ✚ Madhvendra Nath Tripathi, R. Sahara, H. Mizuseki, and Y. Kawazoe, Ab-initio study of opto-electronic properties of IAO and IATO, Institute for Materials Research (IMR), Tohoku University, Sendai, Japan, December 10, 2010.
- ✚ K. Shida, R. Sahara, M.N. Tripathi, H. Mizuseki, and Y. Kawazoe, Controlling 3D Percolation by Modulating the Granular Size of Materials Institute for Materials Research (IMR), Tohoku University, Sendai, Japan, December 10, 2010.
- ✚ M. N. Tripathi, Hiroshi Mizuseki, Yoshiyuki Kawazoe, 4th Asian Consortium on Computational Materials Science-VO, January 12-14, 2010, Sendai, Japan.
- ✚ M. N. Tripathi, Hiroshi Mizuseki, Yoshiyuki Kawazoe, 119th Kinkenkouenkai, 14-15 May, 2009, IMR, Sendai, Japan.
- ✚ M. N. Tripathi, Hiroshi Mizuseki, Yoshiyuki Kawazoe, 120th Kinkenkouenkai/2010 fall lecture meeting of IMR, 26-27 November, 2009, IMR, Sendai, Japan.
- ✚ M. N. Tripathi, Hiroshi Mizuseki, Yoshiyuki Kawazoe, 118th Kinkenkouenkai/2009 fall lecture meeting of IMR, 26-27 November, 2009, IMR, Sendai, Japan.
- ✚ M. N. Tripathi, Hiroshi Mizuseki, Yoshiyuki Kawazoe, Opto-electronic and magnetic properties of the Mn-doped indium tin oxide: A first-principles study, 5th Asian Consortium on Computational Materials Science (ACCMS), September 9-11, 2009, Hanoi University of Technology, Hanoi, Vietnam. (<http://www.iop.vast.ac.vn/theor/conferences/accms5/>)
- ✚ M. N. Tripathi, Hiroshi Mizuseki, Yoshiyuki Kawazoe, Electronic and optical properties of the oxidized indium tin oxide: A First principles study, Photonics and Opto-Electronics Meetings (POEM) 2009, August 8-10, 2009, Wuhan National Laboratory for Opto-Electronics (WNLO), Wuhan, China. (<http://222.20.94.9/poem/>)

- ✚ M. N. Tripathi, Hiroshi Mizuseki, Yoshiyuki Kawazoe, Ab-initio Study of Manganese-doped Indium Tin Oxide, 117th Kinkenkouenkai2009, May 14 -15, 2009, Institute for Materials Research, Tohoku University, Sendai, Japan.
- ✚ M. N. Tripathi, Hiroshi Mizuseki, Yoshiyuki Kawazoe, Ab-initio study of the electronic properties of the oxidized indium tin oxide, 7th annual meeting of Society of Nano Science and Technology, May 9 -11, 2009, University of Tokyo, Tokyo, Japan.
(<http://wwwsoc.nii.ac.jp/snano/7thsnano/en/general.html>)
- ✚ M. N. Tripathi, U. V. Waghmare, T. N. Ramesh and P. Vishnu Kamath, Ab-initio Study of the Polytypes of α -phase Nickel-hydroxide, The Third General Meeting of ACCMS-VO (Asian Consortium on Computational Materials Science - Virtual Organization), February 16 - 18, 2009, Institute for Materials Research, Tohoku University, Sendai, and Matsushima, Japan.
(<http://www-lab.imr.edu/~vo2009/index.html>)

National

- ✚ UGC-Refresher Course on Climate Change, Center for Atmospheric and Ocean Science, University of Allahabad, Allahabad, UP, India, January 22, 2015.
- ✚ DAE-Solid State Physics Symposium 2014 (DAE-SSPS 2014), Vellore Institute of Technology, Vellore, Tamilnadu, India, December 16-20, 2014.
- ✚ XVIII National Seminar on Ferroelectrics and Dielectrics (NSFD), University of Manipur, Imphal, Manipur, India, November 3-5, 2014.
- ✚ National Workshop on "Particle Accelerators for Interdisciplinary Research", Guru Ghasidas Vishwavidyalaya, Bilaspur, CG, February 18-19, 2014.
- ✚ 58th DAE Solid State Physics Symposium (DAE-SSPS), Thapar University, Patiala, Punjab, India. (Sponsored by Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy (DAE), Government of India), December 17-21, 2013.
- ✚ National Workshop cum Theme Meeting on "Ion Beam Induced Material Modifications & Neutron Generation using 3 MV Particle Accelerator: Applications in Physical, Chemical and Life Sciences", Guru Ghasidas Vishwavidyalaya, Bilaspur, CG, August 19-20, 2013.
- ✚ National Workshop on "Accelerator based interdisciplinary research in basic sciences", March 28-29, 2012, Guru Ghasidas Vishwavidyalaya, Bilaspur.
- ✚ M. N. Tripathi and C. M. Bhandari, 74th Annual Session, The National Academy of Sciences, Dec. 2 to 4, 2004, Jaipur, India.
- ✚ M. N. Tripathi and C. M. Bhandari, Phonon Thermal Transport in free-standing Si-Ge quantum well structures, National Conference on Scientific and Legal challenges of Global warming, February 10-11, 2008, B N College, Kanpur, India.

✚ M. N. Tripathi and C. M. Bhandari, National Conference on Scientific Applications of mathematics (NACSAM), December 23-24, 2007, V.S. Mehta College of Science, Kaushambi, India.

✚ Indo-Polish Workshop on Liquid Crystals, Physics Department, University of Allahabad, 12 December, 2007.

• *Visit to reputed Academic Institution abroad for academic pursuit:*

- ✚ Nikolaev Institute of Inorganic Chemistry, SB RAS, Novosibirsk, **Russia**.
- ✚ International centre for Theoretical Physics (ICTP), Trieste, **Italy**.
- ✚ Massachusetts Institute of Technology (MIT), Boston, **USA**.
- ✚ University of Tokyo, Tokyo, **Japan**.
- ✚ Wuhan National Laboratory for Opto-Electronics (WNLO), Wuhan, **China**.
- ✚ Hanoi University of Technology, Hanoi, **Vietnam**.
- ✚ National Institute of Natural sciences, Okazaki, **Japan**.

Membership

Life Member, Indian Society for Particle Accelerator (ISPA), New Delhi.

Participation in Course/Symposia/ Schools/Training (International/National):

✚ Principal's Meet on Academic Leadership in Higher education: The contemporary Indian perspective, UGC-HRDC, GGV, 25 July 2017.

✚ Principal's Meet on Academic Leadership in Higher education: The contemporary Indian perspective, UGC-HRDC, GGV, August 25, 2018.

Programme	Period	Organized/sponsored by
Refresher Course on Leadership and Governance in Higher Education	21 November 2018 to 28 February 2019	Savitribai Phule University, Pune, Maharashtra (through SWAYAM Portal)
Summer Research Fellowship	May-July, 2008	IASc-INSA-NASI , at Jawaharlal Nehru Center for Advanced Scientific Research (JNCASR), Bangalore, Karnataka, India.
Visiting Scientist, TUE-CMS (Thematic Unit of Excellence-Computational Material Science)	June 29-July 13, 2012	Theoretical Science Unit, Jawaharlal Nehru Center for Advanced Scientific Research (JNCASR), Bangalore,

		Karnataka, India.
Visiting Scientist, TUE-CMS (Thematic Unit of Excellence-Computational Material Science),	June 04, 2015 to June 26, 2015	Theoretical Science Unit, Jawaharlal Nehru Center for Advanced Scientific Research (JNCASR), Bangalore, Karnataka, India.
Visiting Scientist, CCMS, JNCASR	Sept 29 ó Oct 11, 2008	CCMS, JNCASR, Bangalore
Visiting Scientist	December 24, 2011 ó January 14, 2012	Institute for Materials Research (IMR), Tohoku University, Sendai, Japan.
Visiting Scientist	November 21-30, 2012	Institute for Materials Research (IMR), Tohoku University, Sendai, Japan.
National Workshop on "Particle Accelerators for Interdisciplinary Researchö	February 18-19, 2014	Guru Ghasidas Vishwavidyalaya, Bilaspur, CG.
National Workshop cum Theme Meeting on "Ion Beam Induced Material Modifications & Neutron Generation using 3 MV Particle Accelerator: Applications in Physical, Chemical and Life Sciences",	August 19-20, 2013	Guru Ghasidas Vishwavidyalaya, Bilaspur, CG
Indo-Polish Workshop on öLiquid Crystalsö	12 December, 2007	Physics Department, University of Allahabad
(Short-course) onöAdvanced Computational Methods in Atomistic Modeling of Materialsö	September 7-8, 2009	Hanoi University of Technology, Hanoi, Vietnam.
(SERC School) on öCorrelated electron systemsö sponsored by DAE, Govt. Of India.	15 Nov. to 27 Nov.2004	Harish Chandra Research Institute (HRI), Jhansi, Allahabad,
Refresher course sponsored by UGC	March 8 to 28,	UGC-ASC, Banaras Hindu

	2006	University (BHU), Varanasi, India.
Orientation course sponsored by UGC from	Aug 18 to Sept. 13, 2003	UGC-ASC, University of Allahabad, Allahabad, India.
(Science journalism training programme) organized by National Council for Science and Technology Communication (NCSTC), Dept. Of Science and Technology (DST), Govt. of India and Vigyan Parishad, Allahabad, India.	(Oct-Dec, 2000)	Vigyan Parishad, Allahabad, India
Spring College on Computational nanoscience, ICTP, Trieste, Italy	May 17-28, 2010	International centre for Theoretical Physics (ICTP), Trieste, Italy.

Ph.D. Guided

Name of Scholar: Mr. Santosh singh, Date of Award: 24 June 2019. Topic: "First principles study of structural, optoelectronic and magnetic properties of transparent conductors".

M.Sc. Project Guidance: More than 30

B.Sc. Project Guidance: More than 20

Courses Taught: Various theory papers and laboratory classes in

1. Pre-PhD course
2. M.Sc. (Physics) course
3. M.Sc. (Electronics) course
4. B.Sc. (Physics) course
5. B.Sc. (Electronics) course

Corporate Responsibilities:

- ✚ Organizing Secretary, International Conference on Bharat Rejuvenation (ICBR 2017), Guru Ghasidas Vishwavidyalaya, October 15-17, 2017.
- ✚ Organising Secretary, National Seminar on Dakshin Kosal, Guru Ghasidas Vishwavidyalaya, November 05-06, 2019.

- **Dean, Student Welfare, Guru Ghasidas Vishwavidyalaya, since April 2017.**
- Member, Academic Council, Guru Ghasidas Vishwavidyalaya, since March 2017.
- Member, Industry Interface Cell, GGV

- Member, Board of studies, Department of Pure and Applied Physics, GGV (2013-2016)
 - Member, NKN broadcast committee, 2013, 2014, 2015.
 - Member, Pay revision committee for non-teaching employees, GGV 2016-17.
 - Member, ordinance revision committee, Guru Ghasidas Vishwavidyalaya 2016-17.
 - Member, Admission drafting committee 2017, Guru Ghasidas Vishwavidyalaya.
 - Center Superintendent, Vishwavidyalaya entrance test (VET-VRET) 2015, UTD Center, Guru Ghasidas Vishwavidyalaya, Bilaspur.
 - Center Superintendent, Vishwavidyalaya, University Examinations at Physics Building, Dec 2016.
 - Member, Project Purchase Committee (PPC), Department of Pure and Applied Physics, GGV.
 - Invited Member, SAP advisory committee-DRS-I, Department of Pure and Applied Physics, GGV, 2016.
 - Library Incharge, (2012-till date) Department of Pure and Applied Physics, GGV
 - Member, organizing committee, One day national seminar on advanced synthesis and characterization of materials for technological applications (ASCMATA-2015).
 - Incharge, UGC-NET Examination (Physics Building), 2013-2014.
 - Incharge, Softwares and computational material science, Department of Pure and Applied Physics, GGV.
 - Academic Coordinator, Department of Pure and Applied Physics, GGV, Bilaspur, 2012-2015.
 - Senior Center Superintendent, University Main Examination at JDUCollege, Baradwar, 2011-12.
- Member of various committees for organizing sports, cultural programme at Department as well as University level.

PERSONAL DETAILS

Name: Dr. MADHVENDRA NATH TRIPATHI
Date of Birth: 01-06-1974
Sex: Male
Nationality: Indian
Address for correspondence: HIG-09, Laxmi Niwas Colony, Lodhipara, Purana Sarkanda, Bilaspur, C.G., India-495009
E-Mail: ommadhav27@gmail.com,
ommadhav27@rediffmail.com

Institute Address: Associate Professor, Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya (Central University), Koni, Bilaspur, C.G.-495009, India.

Educational Details: High School UP Board First

Intermediate	UP Board	First
B.Sc.	University of Allahabad	First
M.Sc.	University of Allahabad	First (Silver medal)
D.Phil.	University of Allahabad	Awarded

Ph. D. Title: Thermal and Thermoelectric Properties of Semiconductors

(Supervisor: Prof. C. M. Bhandari, University of Allahabad, Uttar Pradesh, India.)

Other Exams Passed JRF- UGC-CSIR 1999,
MP-SLET 1999,
GATE 1999