

Curriculum Vitae

Dr. Kamlesh V. Chandekar

Ph.D (Phys), M.Tech (NanoTech), M.Sc. (Phys), M.Sc. (Elect),
CSIR-NET Physics, UGC-NET Electronics,
Assistant Professor, Department of Physics, Rayat Shikshan Sanstha's,
Karmaveer Bhaurao Patil College, (Autonomous), PKC Road,
Sector 15A, Juhu Nagar, Vashi, Navi Mumbai-400703, M.S., India.



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Mob No: +91-7498873286.

- (#) **56** Peer-Reviewed Research Articles Published in Scopus Indexed Journals.
 - (#) **06** Research articles Published in Scopus Indexed Conference Proceeding.
 - (#) **02** Chapters Published in the Edited Books (Apple Academic Press and Elsevier Publications).
 - (#) Review Editor for **Biomedical Nanotechnology** in Frontiers in Nanotechnology.
 - (#) Co-Principal Investigator of Major Research Projects of **21.3L** funded by Kingdom of Saudi Arabia.
 - (#) Principal Investigator of Minor Research Project of **2.5L** funded by RUSA agency.
 - (*) **Google Scholar:** 937 citations with H-Index =18 & I10-Index=34
 - (*) **Google Scholar ID:** <https://scholar.google.com/citations?user=RPmCV0EAAAAJ>
 - (*) **Scopus ID:** <https://www.scopus.com/authid/detail.uri?authorId=49862955300>
 - (*) **Web of Science Researcher ID:** <https://www.webofscience.com/wos/author/rid/P-3995-2018>
 - (*) **Orcid ID :** <https://orcid.org/0000-0002-0712-2778>
 - (*) **Loop Profile:** <https://loop.frontiersin.org/people/1560666>
 - (*) **Vidwan ID :** <https://vidwan.inflibnet.ac.in/profile/290902>
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Personal Profile

Place and Date of Birth	Nagpur, 1979 Dec, 6 th
Gender	Male
Nationality	Indian
Marital Status	Single

Academic Education

Jul 2014-Jan 2019

Ph.D. (Physics); Exp. Condensed Matter Physics/Materials Physics

Deptt of Physics, Visvesvaraya National Institute of Technology (VNIT),
Nagpur.

Thesis: Investigation of structural, elastic and magnetic properties of cobalt ferrite nanostructures.

- Jul 2011-Sept 2013** **M.Sc. (Physics);** Specialization: **Condensed Matter Physics**
Rashtrasant Tukadoji Maharaj (R.T.M.) Nagpur University, Nagpur
Diss: Synthesis and characterization of rare earth doped $LiMBO_3$ ($M = Ca$ or Sr) phosphor.
- Jul 2007-Aug 2009** **M.Tech.(Nanotechnology);** Specialization: **Nanotechnology**
Deptt of Physics, National Institute of Technology (NIT), Kurukshetra.
Diss: Synthesis and characterization of nanostructured thin films of II-IV semiconductor using thermal evaporation technique.
- Jul 2002-Aug 2004** **M.Sc. (Electronics);** Specialization: **Communication System**
Rashtrasant Tukadoji Maharaj (R.T.M.) Nagpur University, Nagpur
Diss: High frequency pulse width detector for phosphor material.
- Sum 1997-Sum 2000** **B.Sc.;** Subjects: **Physics, Mathematics, and Electronics**
Rashtrasant Tukadoji Maharaj (R.T.M.) Nagpur University, Nagpur

Honors/Fellowship:

- (#) Jun 2014: Qualified, National Eligibility Test, **CSIR-UGC-NET in Physical Sciences.**
- (#) Jun 2013: Qualified Entrance and Selected for Ph.D (Physics) at **University of Delhi.**
- (#) Jun 2013: Qualified Entrance and Selected for Ph.D (Physics) at **Central University of Hyderabad.**
- (#) Sum 2013: **Secured 5th merit position in M.Sc. (Physics),** R.T.M. Nagpur University, Nagpur.
- (#) Jun 2011: Qualified OCET (Microelectronics) with **Rank 2.**
- (#) Jun 2011: Qualified OCET (Instrumentation) with **Rank 5.**
- (#) Dec 2009: Qualified, Graduate Record Examination (**GRE**).
- (#) Feb 2007: Qualified, **GATE in Physics**
- (#) Dec 2005: Qualified, National Eligibility Test, **UGC-NET in Electronics Science.**
- (#) Feb 2005: Qualified, **GATE in Electronics and Communication Engineering.**
- (#) Sum 2004: **Secured 2nd merit position in M.Sc. (Electronics),** R.T.M. Nagpur University, Nagpur.

Professional Affiliations:

- (*) Life Membership: LMB3303; Materials Research Society of India (MRSI), IISc Bangalore, India.
- (*) Life Membership: L8680; Indian Association of Physics Teachers (IAPT), Kanpur, India.
- (*) Life Membership: LM-2022-MUM-13728; Indian Physics Association (IPA), TIFR Mumbai, India.
- (*) Life Membership: Society for Materials Chemistry (SMC), BARC Mumbai, India.

Teaching Appointments:

Regular:

18 Feb 2020-till date Assistant Professor, Department of Physics, Rayat Shikshan Sanstha's, Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai.

Adhoc/Contractual:

06 Aug 2019 -14 Feb 2020 Assistant Professor (contract), Department of Physics, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.

03 Nov 2018 -30 Apr 2019 Assistant Professor (contract), Department of Electronics, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

01 Aug 2006-30 Apr 2007 Lecturer (adhoc), K. R. Pandav Mahavidyalaya Nagpur.

Courses Taught:

Post-Graduation (M.Sc.):

- | | |
|--------------------------|---------------------------------|
| (* Electrodynamics | (* Classical Mechanics |
| (* Statistical Mechanics | (* Quantum Mechanics |
| (* Nuclear Physics | (* Atomic and Molecular Physics |
| (* Experimental Physics | (* Biomedical Instrumentation |

Graduation (B.Sc. /B.Tech.):

- | | |
|--------------------------------------|---|
| (\$) Magnetism & EMT | (\$) Mechanics |
| (\$) Mechanics, Oscillations & Sound | (\$) Thermodynamics & Materials Science |
| (\$) Electrodynamics | (\$) Classical Mechanics |
| (\$) Electronic System Design | (\$) Network Analysis |
| (\$) Statistical Physics | (\$) Analog and Digital circuits |

Programming Proficiency:

- (* C / C++, Lab-View, and MATLAB programming

Academic Achievements:

- (&) Chairman of Innovation and Entrepreneurship Cell, from Jun 2020 to till date.
(&) Research Coordinator of the Department of Physics, from Jun 2021 to till date.
(&) Member of Research Ethics and Promotion Committee, from Jun 2020 to till date.
(#) Innovation and Startup Policy of the Institute-(2021).
(#) Intellectual Property of Rights (IPR) of the Institute-(2022).

Research Activity:

Thrust Area: Experimental Condensed Matter Physics, Nanoscience and Nanotechnology:

Research activity developed in the frame of Experimental and Theoretical Condensed Matter Physics; Nanoparticles embedded in a matrix, core-shell structures, coating of surfactants over **magnetic**

nanoparticles for Magneto-optical, Drug Delivery, Magneto-elastic, Magneto-caloric Effect, and Magnetic Resonance Imaging; **Metal oxides** for Dilute Magnetic Semiconductors, Optoelectronic, and Photocatalyst; **Heusler alloys** exhibit diverse functional properties which make them highly attractive for applications as Sensors, Actuators, Energy harvesters, Spintronic, Topological insulator, and magnetic cooling devices.

Scientific Skills:

(#) An extended experience on synthesis of nanostructures powder by chemical routes:

Sol-Gel, Co-precipitation, Hydrothermal, Solvo-thermal, Thermal decomposition and Microwave routes

(#) Structural, morphological, spectroscopic, optical, transport, magnetic and textural properties of nano-composites/nanostructured materials

Synthesis of Nanostructured Materials:

My research activity is focused on the synthesis of the following magnetic nano-hetero-structures.

(*) Metal Oxides Materials: MO; Fe₂O₃; MFe₂O₄; LaCaMnO₄; BaFeO₃.

(*) Magnetic Perovskite Materials: ABX₃; ABB'O₆.

(*) Manganites Materials: MnO (OH), LnMnO₃.

(*) Heusler Materials: Mn₅₅Al₄₅; Cu₂MnX (X= Al, In, Sn); Ni₂MnX (X= Al, In, Sn, Sb, Ga);

Co₂MnX (X=Al, Si, Ge, Ga); Pd₂MnX (X=Al, In, Sn, Sb); Co₂FeX (X= Si, Al); Co₂Cr_xFe_{1-x}X

Scientific Instruments:

(#) X-Ray Diffraction (XRD);

(#) Electron Microscopy (TEM & SEM);

(#) Spectroscopy (FT-IR & Raman);

(#) Scanning Probe Microscopy (STM & AFM);

(#) Spectrophotometry (PL & UV-Vis);

(#) AC & DC Magnetometer (SQUID & VSM);

(#) X-ray Photoelectron Spectroscopy (XPS);

(#) Impedance Spectroscopy (EX-Lab);

(#) Electron Paramagnetic Resonance (EPR);

(#) Nuclear Magnetic Resonance (NMR);

(#) Inductive Coupled Plasma (ICP-AES);

(#) Energy Dispersive Spectroscopy (EDS);

(#) Data analysis (Origin);

(#) Structural Refinement (Full-Proof & Maud);

Editorial Board Member:

(\$) Frontiers in Nanotechnology “Review Editor for Biomedical Nanotechnology”.

Reviewer of Journals:

(#) Physica B: Condensed Matter (Elsevier); (#) European Physical Journal plus (Springer);

(#) Optical Materials (Elsevier);

(#) J Solgel Sci Technol. (Springer);

(#) Journal of Crystal Growth (Elsevier)

(#) Chemical Papers (Springer);

(#) Ceramic International (Elsevier);

(#) Scientific Reports (Springer);

(#) Inorganic Chemistry Comm.(Elsevier);

(#) J. Inorg. Organomet. Polym. Mater. (Springer);

(#) Materials Research Bulletin (Elsevier);

(#) Journal of Physics D: Applied Physics (IOP);

(#) J. Photochem. Photobiol. A. Chemistry (Elsevier); (#) Materials Research Express (IOP);

(#) Heliyon (Elsevier);

Research Profile:

(#) Research Scholar Jul 2014-Jan 2019, Deptt of Physics, VNIT Nagpur, India
 (#) Research Scholar Aug 2013-Jun 2014, Deptt of Physics, University of Delhi, India
 (#) M. Tech Project Feb 2009-Jul 2009, Materials Characterization, NPL, New Delhi, India

Research Projects:

Sr.	Title of Project	Start Date	End Date	Role as	Agency	Cost in Lakhs	Ref. Letter	Status
1	Comparative study of cytotoxic effect of silver (Ag) coated MFe_2O_4 (M=Co, Ni, Zn) ferrite for breast cancer applications.	02 Feb 2021	02 Feb 2023	PI	RUSA/order/683/component-8/2019-20.	2.5 L	620/2020-2021	Completed
2	Designing and characterizations of advanced functional quantum materials using experimental and theoretical approaches for modern and advanced applications.	02 Jan 2021	23 Dec 2021	Co-PI	King Khalid University Abha, Kingdom of Saudi Arabia.	21.3 L	R.G.P-2/160/42	Completed

Book Chapter Published:

Sr.	Title of Book	Title of Chapter	Pages	Authors	ISBN/doi	Pub	Publisher
1	Fundamentals and Industrial Applications of Magnetic Nanoparticles	Novel magnetic materials preparation techniques, characterization and their applications	65-116	Kamlesh V. Chandekar , Mohd. Shkir, Aslam Khan, S. AlFaify	978-0-12-822819-7. https://doi.org/10.1016/B978-0-12-822819-7.00015-6 .	30 Mar 2022	Woodhead Publishing Series in Electronic and Optical Materials, (Elsevier Publications)
2	Nanomaterials for Optoelectronic Applications;	2D-Nanomaterials and their optoelectronic applications	125-145	Elhosiny Ali, M. Aslam Manthremmel, Kamlesh V. Chandekar , S. AlFaify, Mohd Shkir;	9781003083948. https://doi.org/10.1201/9781003083948 .	30 Sept 2021	Apple Academic Press: 1265 Goldenrod Circle, NE, Palm Bay, FL 32905 USA and 164 Lakeshore Road, Burlington, Canada.

Post Graduate Dissertations Guided:

Sr.	Name of Students	Date	Title of Dissertation	Award	Status
1	Sharvari S. More	15 Jun 2022-30 Apr 2023	PAA and PVA coated Magnetic nanoparticles of MFe_2O_4 (M=Co, Ni, Zn) by co-precipitation route for biomedical applications.	06 May 2023	Completed
2	Sonali D. Dalvi	15 Jun 2022-30 Apr 2023	Chitosan coated magnetic nanoparticles of MFe_2O_4 (M=Co, Ni, Zn) for biomedical applications.	06 May 2023	Completed
3	Dinesh M. Tayade	15 Jun 2022-30 Apr 2023	TEOS coated magnetic nanoparticles of MFe_2O_4 (M=Co, Ni, Zn) by hydrothermal method for biomedical applications.	06 May 2023	Completed
4	Sakshi S. Wakde	15 Jun 2022-30 Apr 2023	Cobalt doped Nickel Ferrite nanoparticles by Sol-Gel Auto combustion route for water splitting applications.	06 May 2023	Completed
5	Ayuti V. Koli	15 Jun 2021-30 Apr 2022	Synthesis and Characterization of Zinc Ferrite nanoparticles.	21 Jun 2022	Completed
6	Vaibhavi Mahajan	15 Jun 2021-30 Apr 2022	Synthesis and Characterization of Nickel Ferrite nanoparticles.	21 Jun 2022	Completed
7	Amruta Kalbhor	15 Jun 2020-30 Apr 2021	Biomedical Applications of Manganites	18 Aug 2021	Completed

Paper Presented in International Conferences/Symposium:

- 8) Apr 2023 International Conference on Advancements in Materials, Manufacturing and Automation (AMMA-2023), April 07-08th, 2023, Amrita School of Engineering, Amrita Vishwa Vidyapeetham Chennai, Tamil Nadu, India.
Oral Presentation: **Kamlesh V. Chandekar**, S. P. Yadav, Sharvari More, Estimation of magnetic anisotropy of $ZnFe_2O_4$ nanoplatelets synthesized by Co-precipitation route
- 7) Apr 2022 Sixth International Conference on Trends in Electronics and Informatics (ICOEI-2022), 28-30th Apr, Organized: SCAD College of Engineering and Technology, Tirunelveli, India, Proceedings of the Sixth International Conference on Trends in Electronics and Informatics (ICOEI) (2022) pp, 1716-1722, **ISBN:** 978-1-6654-8327-8;
Paper Presentation: Kunal D. Gaikwad, Poonam U. Gadgil, **Kamlesh V. Chandekar**, A low cost system for monitoring health with Maintaining Covid 19 protocols.
- 6) Sept 2021 DAE Symposium on Current Trends in Theoretical Chemistry (CTTC-2020), 23-25th September, Organized: Chemistry Division Bhabha Atomic Research Centre Trombay, Mumbai-400 085, India
Poster Communication: Shrikant M. Suryawanshi, Dilip S. Badwaik, Bipin S. Shinde, **Kamlesh V. Chandekar**, Structural and Magnetic Properties of $Ni_{0.3}Cu_{0.3}Zn_{0.4}Fe_{1.8}Cr_{0.2}O_4$ Nanoparticles Synthesized by Sol-Gel Combustion Method.

- 5) Aug 2017 International Conference on Nanoscience and Nanotechnology (ICONN-2017), 9-11 Aug
Organized : SRM University , Chennai. **ISBN:** 978-1-947697-83-6.
Poster Communication: **Kamlesh V. Chandekar** and K. Mohan Kant, Cobalt ferrite magnetic nanoplatelets: Synthesis and surface functionalization.
- 4) Mar 2016 International Conference on Materials Science & Technology (ICMTech-2016), 01-04 Mar,
Organized: University of Delhi, Delhi. **ISBN:** 978-91-88252-01-2.
<http://dx.doi.org/10.5185/icmtech.2016>.
Poster Communication: **Kamlesh V. Chandekar** and K. Mohan Kant, Superparamagnetic behavior at high temperature of CoFe₂O₄ nanoplatelets by hydrothermal method.
- 3) Dec 2015 International Conference on Nanoscience, Nanotechnology and Advanced Materials (NANOS-2015), 14-17 Dec, Organized: GITAM Institute of Science, Visakhapatnam, India.
Poster Communication: **Kamlesh V. Chandekar** and K. Mohan Kant, Microstructural influence on magnetic properties of cobalt ferrite magnetic nanoparticles.
- 2) Oct 2015 International Conference on Condensed Matter and Applied Physics (ICC 2015), 30-31 Oct,
Organized: Government Engineering College, Bikaner, India, **ISBN:** 978-0-7354-1375-7.
Poster Communication: **Kamlesh V. Chandekar** and K. Mohan Kant, Investigations of cations distributions and morphology of cobalt ferrite magnetic nanoparticles.
- 1) Dec 2010 55th DAE Solid State Physics Symposium (SSPS 2010), 26-30th Dec, Organized: Manipal University, Manipal, India, **ISBN:** 978-0-7354-0905-7. <http://dx.doi.org/10.1063/1.3606030>
Poster Communication: **Kamlesh Chandekar**, Ashavani Kumar and Sukhvir Singh, Study of trapping density in electrical characteristics of CdTe thin films. **Published:** 15 July 2011

Paper Presented in National Conferences:

- 5) Jun 2015 3rd National Conference on Nanoscience and Instrumentation Technology (NCNIT 2015), 06-07 Jun 2015, National Institute of Technology Kurukshetra (NITKKR), Kurukshetra.
Oral Communication: **Kamlesh V. Chandekar** and K. Mohan Kant, Magnetic properties of CoFe₂O₄ magnetic nanoparticles by co-precipitation and hydrothermal method.
- 4) Sept 2014 Research Scholar Day (2014), 20th Sept 2014, VNIT, Nagpur.
Poster Communication: **Kamlesh V. Chandekar**, K. Mohan Kant, Sukhvir Singh, Investigation of electrical transport and microstructural properties of CdTe thin films.
- 3) Sept 2013 National Conference on Materials Characterization and their applications, (2013), Journal of Science information (special issue), Sponsored by UGC
Oral presentation: **Kamlesh Chandekar**, Synthesis and Photo luminescence characteristics of MgAlBO₄: Dy Phosphor

2) Sept 2013 National Conference on Current Developments in Nanoscience: Challenges & Opportunities (NCCDN-2013), 14th Sept 2013, Department of Physics, Kamla Nehru Mahavidyalaya, Nagpur, Sponsored by CSIR.

Poster presentation: **Kamlesh Chandekar**, Synthesis and Characterization of NaSrBO₃:Eu³⁺ phosphor for LED

1) Feb 2013 Nanomaterial: New horizon for better Mankind (NCNM 2013), 28th Feb 2013, Science College Nagpur.

Poster Communication: **Kamlesh V. Chandekar**, Synthesis and Luminescent properties of Dy³⁺ doped LiCaBO₃ phosphor.

International / National Seminar, Workshop and Webinar Organized:

Sept 2022 Seminar on Research Methodology, Intellectual Property Rights & Patents Procedure, 10th Sept 2022 (Convener), organized by the Innovation & Entrepreneurship Cell in association with Department of Physics of Rayat Shikshan Sanstha's, Karmaveer Bhuarao Patil College, Vashi, Navi Mumbai.

Aug 2022 Seminar on Intellectual Property Rights, 17th Aug 2022, (Convener), organized by the Innovation & Entrepreneurship Cell of Rayat Shikshan Sanstha's, Karmaveer Bhuarao Patil College, Vashi, Navi Mumbai.

Mar 2022 Webinar on Intellectual Property Rights and Patents for aspiring minds, 21st Mar 2022, (Convener), organized by the Department of Physics and Innovation & Entrepreneurship Cell of Rayat Shikshan Sanstha's, Karmaveer Bhuarao Patil College, Vashi, Navi Mumbai.

Feb 2022 Workshop on Intellectual Property Rights (IPR), 04th Feb 2022, (Convener), organized by Innovation & Entrepreneurship Cell of Rayat Shikshan Sanstha's, Karmaveer Bhuarao Patil College, Vashi, Navi Mumbai

Aug 2021 Workshop on the Mobile Apps development, 2nd to 8th Aug 2021, (Convener), organized by Innovation & Entrepreneurship Cell of Rayat Shikshan Sanstha's, Karmaveer Bhuarao Patil College, Vashi, Navi Mumbai

Jul 2021 Webinar on the Naturopathy Research and Entrepreneurship, 16th July 2021, (Convener), organized by Innovation & Entrepreneurship Cell of Rayat Shikshan Sanstha's, Karmaveer Bhuarao Patil College, Vashi, Navi Mumbai

Jun 2021 National E-Seminar on Intellectual Property Rights and Patent Filing, 23rd June 2021, (Convener), organized by Innovation & Entrepreneurship Cell of Rayat Shikshan Sanstha's, Karmaveer Bhuarao Patil College, Vashi, Navi Mumbai

- Feb 2021 National Seminar on Emerging Trends in Entrepreneurship Research, 20th Feb 2021, (Convener), organized by Innovation & Entrepreneurship Cell of Rayat Shikshan Sanstha's, Karmaveer Bhuarao Patil College, Vashi, Navi Mumbai.
- Jan 2021 One-week workshop on Embedded System Basics and 8051 Microcontroller Interfacing, 19th to 24th Jan 2021, (Convener), organized by Innovation & Entrepreneurship Cell of Rayat Shikshan Sanstha's, Karmaveer Bhuarao Patil College, Vashi, Navi Mumbai.

INDUCTION/REFRESHER/ MOOCS/ FDP:

INDUCTION:

- Apr 2023 Faculty Induction Programme (FIP), PMMMNMTT Learning Centre Ramanujan College, Delhi, 22th Mar- 20th Apr 2023, accomplished with **Grade A**.
- Mar 2023 Faculty Induction Programme (FIP), UGC-Human Resource Development Centre, Savitribai Phule Pune University, Pune, 01th Mar to 30th Mar 2023, accomplished with **Grade A**.

REFRESHER:

- Dec 2022 Refresher course in Physics, UGC-Human Resource Development Centre, University of Hyderabad, Central University P.O., Hyderabad-500 046, Telangana., 5th Dec to 17th Dec 2022, accomplished with **Grade A**.
- Aug 2022 Refresher course in Basic Science, UGC-Human Resource Development Centre, Jamia Millia Islamia, New Delhi-110025, 2nd Aug to 18th Aug 2022, accomplished with **Grade A**.

MOOCS:

- Jun 2020 MOOCS Cooperative learning pedagogy, GHG Khalsa College of Education, Gurusar Sadhar, Punjab in association with Indian Institute of Technology (IIT) Kanpur, 22nd May- Jun 18th 2020, accomplished with **Distinction**.
- May 2020 MOOCS on Managing Online Classes and Co-Creating MOOCS, PMMMNMTT Learning Centre Ramanujan College, Delhi, 20th Apr- 07th May 2020, accomplished with **Participation**.

FDP:

- Sept 2021 National Level Faculty Development-cum-Orientation Programme on Assessment and Accreditation Process of NAAC, 20th to 27th Sept 2021, Organized by IQACs of the collaborating institutions.
- Jul 2020 FDP on Information and Communication Technology (ICT), 01-05th July 2020, Roorkee College, Roorkee.
- Jun 2020 FDP on Skilling Teachers for Online Education, 02nd-06th Jun 2020, Uka Tarsadia University (UTU), Surat.

- Jun 2020 FDP on Modern Teaching, Evaluation and Research Method, 02nd -07th Jun 2020, Vinayakrao Patil Mahavidyalya, Vijapur.
- Jun 2020 FDP on Employment through Digital Technology, 01st-14th Jun 2020, Dr. Babasaheb Ambedkar Chair, SNTD, Mumbai.
- Jun 2020 FDP on E-Content Development in Teaching, 04th -10th Jun 2020, Saraswati Kala Mahavidyalya, Akola in collaboration with PG Department of Computer Science, Sant Gadge Baba Amravati University, Amravati.
- Jun 2020 FDP on the SciLab, 15th -19th Jun 2020, St. Peter's Engineering College, Hyderabad.
- Jun 2020 FDP on Advanced Data Science and Applications, 22nd -26th Jun 2020, BVRIT, Hyderabad.
- May 2020 FDP on Comprehensive Quality Initiatives for Higher Education in Pandemic Era, 26-30th May 2020, Uka Tarsadia University (UTU), Surat.
- May 2020 FDP on NAAC Assessment and Accreditation, 21st -26th May 2020, MSP Mandal's Shri Shivaji College, Parbhani.
- May 2020 FDP on Arduino in Collaboration with Spoken Tutorial, IIT Bombay, 28th Apr- 04th May 2020, J.B. Science College, Wardha

International / National Seminar, Conferences, Symposium, Workshop and Webinar Attended:

- Jan 2023 International Conference on Recent Trends in Materials Science-Synthesis, Characterization and Applications (RTMS-2023), January 03-04th, 2023, Organized by Department of Physics, Anekant Education Society's Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati.
- Dec 2021 Intellectual Property Rights- Patents and Designs, 27th Dec 2021, under National Intellectual Property Awareness Program (NIPAM) organized by Rayat Shikshan Sanstha's, Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai.
- Oct 2021 National Level E workshop on Intellectual Property Rights- Patents and Designs, 29th Oct 2021, organized by Dhote Bandhu Science College, Gondia.
- Sept 2021 Workshop on Intellectual Property Rights- Patents and Designs, 28th Sept 2021, organized by Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur.
- Sept 2021 Intellectual Property Rights: Patent Design and Trademark, 17th Sept 2021, organized by St. Aloysius' College (Autonomous), Jabalpur.
- Aug 2021 Virtual International Conference on Mutli-functional Advanced Materials (VICMAM-9-10th August, 2021, organized by department of chemistry, JVM's degree college Navi Mumbai
- May 2021 National Webinar on Fundamentals of Intellectual Property Rights, 27th May 2021 Shri Shivaji Education Society, Science College, Congress Nagar, Nagpur.

- May 2021 International Conference on Light Matter Interaction (ICLMIN), 19-21st May 2021, Indira Gandhi Centre of Atomic Research (IGCAR), Kalpakkam
- May 2021 International Conference on Smart Materials: Application to Devices (ICSMAD-2021), 17-18th May 2021, jointly organized by Department of Physics and Department of Electronics, Kamla Nehru Mahavidyalaya, Nagpur
- Mar 2021 International Conference on Nanomaterials & Nanotechnology (ICONN-2021), 25-27th March, 2021, organized by Department of Physics, University of Mumbai, Mumbai.
- Mar 2021 International Materials Science Conference (IMSC-2021), 18-20th Mar, 2021, organized by School of Physical Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
- Mar 2021 Webinar on Essential Elements of Entrepreneurship (E3), 13th March, 2021, organized by Shree Rishikesh Shikshan Prasarak Mandal's, Shri D. D. Vispute College of Science, Commerce & Management, Navi Mumbai.
- Jan 2021 Reforms and Benchmark in NAAC accreditation, 8th Jan 2020, Kamla Nehru Mahavidyalaya, Nagpur
- Dec 2020 Workshop on Patent Search and Filing, Turnip Innovations, in collaboration with Innovation and Incubation Centre for Entrepreneurship (IICE) and Centre of Science and Society (CS²), Indian Institute of Science Education and Research (IISER) Bhopal.
- Jul 2020 One Day Webinar on Teaching, Learning, and Evaluation using e-Tools, Department of Computer Science, Department of Physics & Electronics, Hislop College, Nagpur.
- Jun 2020 Two Day International E-Conference on Drug Discovery, Development and Applications, 15-16th June 2020, organized by Department of Chemistry, Rayat Shikshan Sanstha's, Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai.
- Jun 2020 International Conference on Advances in Physical, Mathematical & Computational Sciences (APMS), 12-13th Jun 2020, organized by the Faculty of Physical Sciences, St. Aloysius' College (Autonomous), Jabalpur.
- Jun 2020 International Web Symposium on Biomedical Instrumentation: A Boon to Healthcare Industry (BIBHI 2020), 26-27th Jun 2020, organized by Mohota Science College, Nagpur.
- Jun 2020 Nanomaterials for Smart and Sustainable Energy Solution, 8th Jun 2020, Rayat Shikshan Sanstha's Mahatma Phule Arts, Science and Commerce College, Navi Mumbai
- Jun 2020 National workshop on Interdisciplinary Research Methodology, ICT Application & Innovations in Teaching Learning Process, 08-12th Jun 2020, organized by St. Francis De Sales College (SFS) College, Nagpur.

- Jun 2020 An Interactive Webinar on Data Science and Artificial Intelligence in Commerce and Future Job Opportunities, 05th Jun 2020, organized by Smt. Laxmibai Radhakishan Toshniwal College of Commerce, Akola.
- May 2020 National E-Conference on Smart Materials and Nanotechnology, 30th May 2020, organized by Department of Physics, Kamla Nehru Mahavidyalaya, Nagpur
- May 2020 National Webinar on Improving ICT Learning with Effective Techniques, 28th May 2020, B.N.N. College, Mumbai
- May 2020 Webinar on NAAC Awareness programme for Affiliated Colleges, 22th May 2020, Shri Shivaji Arts & Commerce College, Amravati
- May 2020 National Conference on Biomedical Instrumentation and control, 21th May 2020, Department of Electronics, Kamla Nehru Mahavidyalaya, Nagpur
- May 2020 Webinar on Super capacitors, Solar Cell devices, and Solar Thermal Technology, 11th -14th May 2020, organized by Physics Department and Solar Energy Research Center (SERC), Ramdeobaba College of Engineering and Management, Nagpur
- May 2020 Water Challenges during Post Covid-19, 07th-28th May 2020, IICW-Indian Institute of Technology Madras, Chennai
- April 2020 International Conference on Clean Energy Conversion and Storage Technologies, 30th April 2020, Shri Pancham Khemraj Mahavidyalaya, Sawantwadi.
- April 2020 Fine Tuning Research Planning Using Elsevier Tools: Science Direct, Scopus and Mendeley, 25th April 2020, K.J. Somaiya College of Science & Commerce, Mumbai in collaboration with Elsevier.
- Mar 2012 National Conference on Nanoscience and Smart Materials (NCNSSM-2012), 16th Mar 2012, Kamla Nehru Mahavidyalaya, Nagpur
- Jan 2012 STTP on Modelling issues of Nanotechnology, 19th - 21st Jan 2012, Visvesvaraya National Institute of Technology, Nagpur
- Feb 2004 National Seminar on Advanced Materials (NSAM-2004), 1st Feb 2004, Kamla Nehru Mahavidyalaya, Nagpur
- Dec 2002 National Seminar on Novel Synthesis of Materials (NSNSM-2002), 22nd Dec 2002, Kamla Nehru Mahavidyalaya, Nagpur

Complete address of Referees:

1. Dr. B. R. Sankapal

Professor, Department of Physics,
Visvesvaraya National Institute of Technology
South Ambazari Road, Nagpur-440010, MS, India

Phone: +91 712-2801170;
Mob: +91 9637532624;
Email: brsankapal@gmail.com

2. **Dr. Hemachandra Gali**

Associate Professor, Department of Physics,
Visvesvaraya National Institute of Technology,
South Ambazari Road, Nagpur-440010, MS, India

Phone: +91 712-2801179;
Mob: +91 7387153681;
Email: drghc@rediffmail.com

3. **Dr. Ashavani Kumar**

Professor, Department of Physics,
National Institute of Technology (NIT) Kurukshetra
Thanesar, Kurukshetra-136119, HR, India

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Declaration:

I declare that the information given in this application is correct and complete to the best of my knowledge and belief.

Sincerely Yours
Dr. Kamlesh V. Chandekar