

Dr. Nitesh Shukla

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S/o Dr. Shriram Shukla
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148-z Rajeev Nagar
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Specialization Field : **Solid State Physics**

Area of Interest : Amorphous Semiconductor, Chalcogenide glasses,
Nanotechnology

Date of Birth : 04-08-1989

Current Position : *Assistant Professor in DNPG College Gorakhpur*

Academic Achievement :

Degree	Year	Board/University	Percentage
Doctor of Philosophy (Ph.D.)	2017	Dr. A. P. J. Abdul Kalam Technical University, U.P.	
M.Sc.(Physics) with Solid State Physics	2010	D.D.U Gorakhpur University, Gorakhpur, U.P.	71.11%
B.Sc.	2008	D.D.U Gorakhpur University, Gorakhpur, U.P.	69.67%
Intermediate (SSC)	2004	Govt. Jubilee Intermediate College Gorakhpur, U.P.	62.40 %
Matric (HSC)	2002	M.M.M. Intermediate College Bhatpar Rani, Deoria, U.P.	61.83%

EXTRA CURRICULAR ACTIVITIES:

- Vice President of Physics Society in D.D.U Gorakhpur University, Gorakhpur in 2009-10.
- Publication Minister of Physics Society in D.D.U Gorakhpur University, Gorakhpur in 2008-09.
- Co Secretary of Physics Society in D.D.U Gorakhpur University, Gorakhpur in 2007-08.

Research Experience:

Worked as UGC-JRF from 2011-2014 in M. M. M. University of Technology, Gorakhpur.

Teaching Experience:

- (1) Worked as Guest Faculty from 01/01/2018 to 31/05/2019 in M. M. M. University of Technology, Gorakhpur.
- (2) Worked as Assistant Professor from 01/01/2018 to till date in Digvijay Nath P.G. College, Gorakhpur.

Administrative Experience:

- (1) Performed duty of center controller in UPSEE examination organized by UPTU, Lucknow (Session 2013-14).
- (2) Performed duty of center controller in UPSEE examination organized by UPTU, Lucknow (Session 2014-15).
- (3) Working as Head of the Department of Physics.
- (4) Working as a member of college library committee.
- (5) Working as a member of college sports committee.
- (6) Working as a Assistant Proctor in college.

Seminar Organized:

- (1) Worked as Technical Co-ordinator in International Webinar on Survival with Covid-19 organized by Department of Chemistry, D.N.P.G. College, Gorakhpur (June 23-25, 2020).
- (2) Worked as Co-Convener in Two days National Webinar on Implementation of National Education Policy-2020 organized by D.N.P.G. College, Gorakhpur (September 7-8, 2020).
- (3) Worked as a Member of Organizing Committee in SMDST-2019 organized by M.M.M. University of Technology, Gorakhpur (March 15-16, 2019).
- (4) Worked as a Member of Organizing Committee in One Day Science Exhibition and Lecture Workshop organized by M.M.M. University of Technology, Gorakhpur (Feb 28, 2015).
- (5) Worked as a Member of Organizing Committee in NCRACMS-2015, M.M.M. University of Technology, Gorakhpur (Feb 23-24, 2015).
- (6) Worked as a Member of Organizing Committee in NCMST-2014 organized by M.M.M. University of Technology, Gorakhpur (March 10-11, 2014).
- (7) Worked as a Member of Organizing Committee in National Workshop on Nanotechnology and its Applications organized by M.M.M. University of Technology, Gorakhpur (Jan 18-20, 2013).
- (8) Worked as a Member of Organizing Committee NSASM-2012 organized by M.M.M. University of Technology, Gorakhpur (March 12-13, 2012).

Research Papers:

- (a) *International Journals:*

- (1) Effect of thermal annealing on structure and optical band gap of amorphous $\text{Se}_{75-x}\text{Te}_{25}\text{Sb}_x$ thin films by vacuum evaporation technique
D.K.Dwivedi, H.P.Pathak, **Nitesh Shukla**, A. Kumar
Journal of Ovonic Research, 10(1) (2014) 15-22.
ISSN 1584 – 9953, Impact Factor: 0.618
SCI Mago Journal, UGC listing No.-25069
- (2) Effect of Thermal Annealing on Structure and Optical Band Gap of Amorphous $\text{Se}_{72}\text{Te}_{25}\text{Sb}_3$ Thin Films
D. K. Dwivedi, H. P. Pathak, Vipin Kumar, **Nitesh Shukla**
AIP Conf. Proc. 1591(2014)719-721.
ISBN:81-8372-071-4
SCI Mago Journal, UGC listing No.-48438
- (3) Structural and Optical Properties of Different Composition of $\text{Se}_{90}\text{Cd}_{10-x}\text{In}_x$ thin Films by Vacuum Evaporation Technique
D. K. Dwivedi, **Nitesh Shukla**, H.P. Pathak, Kedar Singh
American Journal of Materials Science and Engineering 2, no. 2 (2014): 13-17.
ISSN: 2333-4665
- (4) Effect of Thermal Annealing on Structure and Optical Band Gap of Amorphous $\text{Se}_{66}\text{Te}_{25}\text{Sb}_9$ Thin Film
D. K. Dwivedi, H.P. Pathak, Vipin Kumar, **Nitesh Shukla**
Adv. Sci. Lett. 20, (2014) 1081-1084.
ISSN: 1936-6612, Impact Factor: 1.2
SCI Mago Journal, UGC listing No.-11659
- (5) Study of Crystallization Kinetics in $\text{Se}_{90}\text{Cd}_{10-x}\text{In}_x$ Chalcogenide Glasses
D. K. Dwivedi, **Nitesh Shukla**, H.P. Pathak
International J. of Research in Engg. & Bio.Sc. 2(2014)29-32.
ISSN: 2321-6612
UGC listing No.-48798
- (6) FTIR and Dielectric Studies of $\text{Se}_{90}\text{Cd}_{10-x}\text{In}_x$ glassy Alloys
D.K. Dwivedi , **Nitesh Shukla**, H. P. Pathak
Materials Today: Proceedings 2 (2015) 2862 – 2867,
ISSN :2214-7853
SCI Mago Journal, UGC listing No.-49021
- (7) Structural and optical investigations of amorphous ternary $\text{Se}_{75-x}\text{Te}_{25}\text{In}_x$ thin films
D.K.Dwivedi, H.P.Pathak, **Nitesh Shukla**, V. Kumar
Chalcogenide Lett. 12(4)(2015)173-179.
ISSN 1584-8663, Impact Factor: 0.732
SCI Journal, UGC listing No.-5400

- (8) Effect of Thermal Annealing on Structure and Optical Band Gap of $\text{Se}_{66}\text{Te}_{25}\text{In}_9$ Thin Films
D.K. Dwivedi, H. P. Pathak, **Nitesh Shukla**, Vipin Kumar
AIP Conf. Proc. 1661(2015)090004-1–090004-3; doi: 10.1063/1.4915428
ISBN: 978-0-7354-1305-4
SCI Mago Journal, UGC listing No.-48438
- (9) Frequency and temperature dependent dielectric studies of $\text{Se}_{90}\text{Cd}_4\text{Sb}_6$ Glassy Alloy
Nitesh Shukla, Vandita Rao, D.K. Dwivedi
Bulletin of Laser and Spectroscopy Society of India 21 (2015) 57-63.
ISSN: 2229-3752
UGC listing No.-46939
- (10) Dielectric Relaxation Studies in $\text{Se}_{90}\text{Cd}_8\text{Sb}_2$ Glassy Alloy
Nitesh Shukla, Vandita Rao, D.K. Dwivedi
AIP Conf. Proc. 1728 (2016) 020383-1-4.
ISBN: 978-0-7354-1375-7
SCI Mago Journal, UGC listing No.-48438
- (11) Thermal annealing induced structural and optical properties of $\text{Se}_{72}\text{Te}_{25}\text{In}_3$ thin films
H. P. Pathak, **Nitesh Shukla**, Vipin Kumar, and D. K. Dwivedi
AIP Conf. Proc. 1728(2016) 020322-1-4
ISBN: 978-0-7354-1375-7
SCI Mago Journal, UGC listing No.-48438
- (12) Structural and optical properties of In doped Se–Te phase-change thin films: A material for optical data storage
H.P. Pathak , **Nitesh Shukla** , Vipin Kumar , **D.K. Dwivedi**
Optical Materials 52(2016)69-74.
ISSN: 0925-3467, Impact Factor: 2.320
SCI Journal, UGC listing No.-36509
- (13) Study of Thermo-Mechanical Properties of $\text{Se}_{75-x}\text{Te}_{25}\text{In}_x$ ($0 \leq x \leq 9$) Glassy Alloys
H. P. Pathak, **Nitesh Shukla**, D. K. Dwivedi, N. Mehta
Materials Focus Vol. 5, pp. 1–5, 2016.
ISSN: 2169-429X, **ESCI Journal**
- (14) Dielectric relaxation and AC conductivity studies of $\text{Se}_{90}\text{Cd}_{10-x}\text{In}_x$ glassy alloys
Nitesh Shukla, D. K. Dwivedi
Journal of Asian Ceramic Societies 4 (2016) 178-184.
ISSN: 2187-0764
SCOPOUS, UGC listing No.-47441

- (15) A.C. Conductivity and Dielectric Properties of $\text{Se}_{90}\text{Cd}_6\text{Sb}_4$ glassy alloy
Nitesh Shukla, H. P. Pathak, Vandita Rao, D.K. Dwivedi
Chalcogenide Lett. 13(4)(2016)177-185.
ISSN 1584-8663, Impact Factor: 0.624
SCI Journal, UGC listing No.-5400
- (16) Dependence of dielectric parameters and a.c. conductivity on frequency and temperature in bulk $\text{Se}_{90}\text{Cd}_8\text{In}_2$ glassy alloy
Nitesh Shukla, Vipin Kumar, D.K.Dwivedi
Journal of Non-Oxide Glasses 8(2) (2016) 47-57.
ISSN 2605-6874, **SCI Journal**
- (17) Dielectric Relaxation and AC conductivity measurements of $\text{Se}_{90}\text{Cd}_{10-x}\text{Sb}_x$ ($2 \leq x \leq 8$) chalcogenide glassy alloys using Correlated Barrier Hopping model
Nitesh Shukla, N. Mehta, D K Dwivedi
Journal of Materials Science: Materials in Electronics 27(11) (2016) 12036-12049.
ISSN: 0957-4522, Impact Factor: 2.324
SCI Journal, UGC listing No.-24466
- (18) Dielectric Relaxation in Glassy $\text{Se}_{90}\text{Cd}_6\text{In}_4$
Nitesh Shukla, N. Mehta, D K Dwivedi
Electronics Letter 52(18) (2016) 1548-1550.
ISSN 1350-911X, Impact Factor: 1.232
SCI Journal, UGC listing No.-13577
- (19) Physical properties of third generation multicomponent $\text{Ge}_{10-x}\text{Se}_{60}\text{Te}_{30}\text{In}_x$ ($x = 0, 2, 4, 6$) chalcogenide glasses
Pravin Kumar Singh, Vandita Rao, **Nitesh Shukla**, D. K. Dwivedi
Materials Today: Proceedings 17(1) (2019) 191-197
ISSN :2214-7853
SCI Mago Journal, UGC listing No.-49021
- (20) Investigation of dielectric behaviors and a.c. conduction of a- $\text{Se}_{90}\text{Cd}_{10-x}\text{Sb}_x$ ($2 \leq x \leq 8$) chalcogenide glass
Nitesh Shukla, Pravin Kumar Singh and D.K. Dwivedi
Sensor Lett. 17, (2019) 817-821
ISSN: 1546-198X
- (21) Study of Structural and optical properties of non-oxide $\text{Se}_{90}\text{Cd}_{10-x}\text{Sb}_x$ ($2 \leq x \leq 8$) chalcogenide thin films
Nitesh Shukla, Pravin Kumar Singh, H.P. Pathak and D.K. Dwivedi
Adv. Sci. Eng. Med. 12(1) (2020) 116-119
ISSN: 2164-6627

(22) Effect of annealing on the structural and optical properties of Amorphous $\text{Ge}_8\text{Se}_{60}\text{Te}_{30}\text{Sb}_2$ thin films
Pravin Kumar Singh, **Nitesh Shukla**, Vandita Rao and D.K. Dwivedi
Adv. Sci. Eng. Med. 12(1) (2020) 31-35
ISSN: 2164-6627

(b) **National Journals:**

- (1) Effect of Sm Doping on the Optical properties of Chalcogenide Se-As System.
D. K. Dwivedi, H.P. Pathak, Vipin Kumar, **Nitesh Shukla**
NSASM-12 Seminar Proc. (2012) 106-107.
ISBN: 978-93-82062-10-3
- (2) Theoretical Investigation of the Piezoelectricity Generation.
D. K. Dwivedi, Mukesh Mishra, Manish Mishra, H.P. Pathak, **Nitesh Shukla**
NSASM-12 Seminar Proc.(2012) 87-89.
ISBN: 978-93-82062-10-3
- (3) Synthesis and Characterization of CdTe/HgTe/CdTe Nanoparticles
D. K. Dwivedi, Mukesh Mishra, H.P. Pathak, **Nitesh Shukla**
Invertis Journal of Renewable Energy, Vol.2, No.1(2012)36-40.
ISBN: 22313419, **UGC listing No.-45376**
- (4) Structural and Optical Properties of Thin Ternary Semiconductor Alloys $\text{Cd}_{1-x}\text{Zn}_x\text{Te}$ Prepared by Vacuum Evaporation Technique.
D. K. Dwivedi, Mukesh Mishra, H.P. Pathak, **Nitesh Shukla**
Int. J. Curr. Sci. Tech. Vol. 1 No.1 (2012) 83-86.
ISSN: 2278-6198
- (5) Structural and Optical Characterization of Polyaniline BaTiO_3 nano composites
D.K. Dwivedi, H.P. Pathak, Vipin Kumar, **N. Shukla**
Int. J. Curr. Sci. Tech. Vol. 2 No.1 (2013) 21-25.
ISSN: 2278-6198
- (6) Effect of thermal annealing on crystallization process in amorphous $\text{Se}_{75}\text{Te}_{25}$ thin films
D.K. Dwivedi, H.P. Pathak, **Nitesh Shukla**, Materials Science and Technology
Edited by D.K. Dwivedi and B.K. Pandey, Victorious Publishers, New Delhi
(2014)6-12.
ISBN:978-93-84224-01-1
- (7) FTIR studies of $\text{Se}_{90}\text{Cd}_{10-x}\text{In}_x$ chalcogenide glasses
D.K. Dwivedi, **Nitesh Shukla**, H.P. Pathak, Materials Science and Technology
Edited by D.K. Dwivedi and B.K. Pandey, Victorious Publishers, New Delhi
(2014)90-92.

ISBN:978-93-84224-01-1

- (8) Effect of Electrostatic Pressure on Shock Propagation through a Dense Bubble in Gas
Amit K. Ray, **Nitesh Shukla** and S.P. Dubey, Materials Science and Technology Edited by D.K. Dwivedi and B.K. Pandey, Victorious Publishers, New Delhi (2014)90-92. ISBN:978-93-84224-01-1
- (9) Structural and Optical Properties of Amorphous $\text{Se}_{66}\text{Te}_{25}\text{In}_9$ Thin Films
D.K. Dwivedi, H.P. Pathak, **Nitesh Shukla**, Vipin Kumar, Recent Advances in Chemical and Materials Science Edited by D.K. Dwivedi, B.K. Pandey and P.P.Pande, Victorious Publishers, New Delhi (2015)40-42.
ISBN:978-93-84224-25-7.
- (10) Crystallization Kinetics in Chalcogenide Glasses
D.K. Dwivedi, Vandita Rao, Nitesh Shukla, H.P.Pathak, Recent Advances in Chemical and Materials Science Edited by D.K. Dwivedi, B.K. Pandey and P.P.Pande, Victorious Publishers, New Delhi (2015)129-133.
ISBN:978-93-84224-25-7.

(b) **Book Published :**

- (1) *Mechanics and Wave Motion*
Nitesh Shukla, S.R. Shukla and P.K. Singh
Vadana Prakashan, Gorakhpur
ISBN: 978-81-927601-9-3
- (2) *Kinetic Theory and Thermodynamics*
Nitesh Shukla, S.R. Shukla and P.K. Singh
Vadana Prakashan, Gorakhpur
ISBN: 978-81-927601-7-9
- (3) *Circuit Fundamentals & Basic Electronics*
Nitesh Shukla, S.R. Shukla and P.K. Singh
Vadana Prakashan, Gorakhpur
ISBN: 978-81-927601-8-6
- (4) *Oscillations and Waves*
Nitesh Shukla et al.
Kanha Publishing House, Gorakhpur
ISBN: 978-81-934553-0-2
- (5) *Atomic and Molecular Spectra*
R. B. Singh, H. O. Gupta, Praveen Kumar Singh, A. K. Chaubey and
Nitesh Shukla
Kanha Publishing House, Gorakhpur
ISBN: 978-81-938174-1-4

- (6) *Physics Text Book Class-11 Volume-1*
Shri Ram Shukla and Nitesh Shukla
Vidya Prakashan Mandir, Meerut
ISBN: 9789385971334
- (7) *Physics Text Book Class-11 Volume-2*
Shri Ram Shukla and Nitesh Shukla
Vidya Prakashan Mandir, Meerut
ISBN: 9789387283961
- (8) *Physics Text Book Class-12 Volume-1*
Shri Ram Shukla and Nitesh Shukla
Vidya Prakashan Mandir, Meerut
ISBN: 9789387834200
- (9) *Physics Text Book Class-12 Volume-2*
Shri Ram Shukla and Nitesh Shukla
Vidya Prakashan Mandir, Meerut
ISBN: 9789387834262

CONFERENCES / Workshop:

- (1) Attended a National Conference on “Recent Trends in Pure & Applied Mathematics”, D. D. U. Gorakhpur University, Gorakhpur (**June 24-25, 2011**).
- (2) *Synthesis and characterization of polyaniline-BaTiO₃ nano composites*
Presented in Indo Japan Conference on “Frontier Nano Materials for Energy” (FNE-12), Sharda University, Greater Noida (**Jan.9-11,2012**)
- (3) *Digital signal processing subsystem for long wavelength array station*
Presented in National Conference on “Recent Advances in Digital and Analog Signal Processing” (RADASP-12), D. D. U. Gorakhpur University, Gorakhpur (**Feb. 21-22, 2012**)
- (4) Attended a National Workshop on ‘*Nanotechnology and its Applications*’ organized by Department of Applied Science M.M.M. Engineering College, Gorakhpur (**Jan. 18-20, 2013**).
- (5) *Optical constants and optical band gap of amorphous Se_{75-x}Te₂₅Sb_x thin Films*
Presented in International Conference on “Multifunctional Materials Energy and Environment” ICMFMEE-201, Sharda University, Gr. Noida (**Aug. 21-23, 2013**).
- (6) *Effect of Thermal Annealing on Structure and Optical Band Gap of Amorphous Se₇₂Te₂₅Sb₃ Thin Films*
Presented in 58 DAE-SSPS, held at Thapar University, Patiala, Punjab (**Dec. 17-21, 2013**)
- (7) *An introduction to Chalcogenide Glasses*

Presented in National Seminar on “Values and Ethics in Life and Society”
M.M.M. University of Technology, Gorakhpur (**Feb. 21-22, 2014**).

- (8) *Structural and optical properties of $Se_{75}Te_{25}$ thin films by vacuum evaporation technique*
Presented in National Conference on “Materials Science and Technology” NCMST-2014,
M.M.M. University of Technology, Gorakhpur (**March 10-11, 2014**).
- (9) *FTIR studies of $Se_{90}Cd_{10-x}In_x$ chalcogenide glasses*
Presented in National Conference on “Materials Science and Technology” NCMST-2014,
M.M.M. University of Technology, Gorakhpur (**March 10- 11, 2014**).
- (10) *Theoretical investigations of optical properties of Se-Cd-In thin films*
Presented in National Conference on “Role of Mathematics in Real Life” NCMST-2014,
Marwar Business School, Gorakhpur (**March 26, 2014**).
- (11) *Glass transition and crystallization kinetics analysis of $Se_{75-x}Te_{25}Sb_x$ chalcogenide glasses*
Presented in National Conference on “Current Trends in Chemical Sciences” St. Andrew’s
College, Gorakhpur (**Oct. 15-16, 2014**).
- (12) *Structural and optical properties of amorphous $Se_{66}Te_{25}In_9$ thin film*
Presented in National Conference on “Recent Advances in Chemical and Materials
Science” NCRACMS-2015, M.M.M. University of Technology, Gorakhpur (**Feb. 23-24,**
2015).
- (13) *Crystallization kinetics of chalcogenide glasses*
Presented in National Conference on “Recent Advances in Chemical and Materials
Science” NCRACMS-2015, M.M.M. University of Technology, Gorakhpur (**Feb. 23-24,**
2015).
- (14) *An introduction to chalcogenide glasses and thin film deposition technique*
Presented in National Conference on “Recent Advances in Chemical and Materials
Science” NCRACMS-2015, M.M.M. University of Technology, Gorakhpur (**Feb. 23-24,**
2015).
- (15) Attended a One Day Science Exhibition & Lecture Workshop organized by M.M.M.
University of Technology Gorakhpur (**Feb. 28, 2015**).
- (16) *Dielectric Properties of $Se_{90}Cd_{10-x}Sb_x$ alloys*
Presented in International Conference on “Contemporary Advances of Science and
Technology” IC-CAST-2015, B.H.U., Varanasi (**August 7-9, 2015**).
- (17) *Dielectric Relaxation studies in $Se_{90}Cd_8Sb_2$ glassy alloy*
Presented in international conference on condensed matter and applied physics (ICC
2015), Government Engineering college, Bikaner (**Oct. 30-31, 2015**).
- (18) Attended a one-week short term course on “Mathematical Methods in science &
Technology” organized by M.M.M. University of Technology Gorakhpur (**Dec. 15-19,**
2015).
- (19) *Frequency and temperature dependent dielectric studies of $Se_{90}Cd_4Sb_6$ glassy alloy*
Presented in international conference on “Advances in light technologies and spectroscopy

of materials” (ICALTSM-2016), University of Lucknow, Lucknow (Jan. **16-18, 2016**).

- (20) Attended a one-day workshop on “Green Energy for Sustainable Development: Role of Educational Institutions” organized by M.M.M. University of Technology Gorakhpur (**Jan. 21, 2016**).
- (21) A.C. conductivity and Dielectric properties of $Se_{90}Cd_{10-x}Sb_x$ glassy alloys
Presented in National Conference on “Functional Materials”, D. D. U. Gorakhpur University, Gorakhpur (**March 10-12, 2016**).
- (22) Attended a one-day workshop on “Report writing in Engineering and Technology” organized by M.M.M. University of Technology Gorakhpur (**March 29, 2016**).
- (23) *Dielectric Relaxation studies in $Se_{90}Cd_8In_2$ glassy alloy*
Presented in national conference on “Recent Trends in Mathematical Science” (NCRTMS 2016), M.M.M. University of Technology Gorakhpur (**April 12-13, 2016**).
- (24) Attended a one-week short term course on “Application of Physical Sciences in Engineering & Technology” organized by M.M.M. University of Technology Gorakhpur (**July 02-08, 2016**).
- (25) Attended a National Workshop on “Scientific Paper Writing and Effective Communication” organized by Department of Biotechnology, D. D. U. Gorakhpur University, Gorakhpur (**September 17-18, 2016**).
- (26) Attended a National Workshop on ‘Induction Programme on Effective Communication Skills (IPECS-2016)’ organized by Department of Applied Science, MMMUT Gorakhpur (**March 08- 10, 2017**).
- (27) Attended a National Workshop on “Hands on Training cum workshop on soft Computing Skill for Scientists and Engineers (SCSSE-17)” organized by Department of Applied Science, MMMUT Gorakhpur (**March 17- 19, 2017**).
- (28) Attended a one-week short term course on “Emerging Trends in Materials Science” organized by Department of Applied Science, Madan Mohan Malviya University of Technology, Gorakhpur under TEQIP-2 (**March 23-29, 2017**).
- (29) *Optical Properties of Sb doped Se-Cd thin films*
Presented in International conference on “Nanoscience and Nanotechnology” (ICNN 2017), Babasaheb Bhimrao Ambedkar University (Central University), Lucknow (**September 22-24, 2017**).
- (30) *Dielectric relaxation studies in $Se_{90}Cd_4In_6$ glassy alloy*
Presented in National Symposium on “Multidimensional aspects of spectroscopy” D. D. U. Gorakhpur University, Gorakhpur (**November 17-18, 2017**).
- (31) *Frequency and Temperature dependent A. C. Conductivity of $Se_{90}Cd_4In_6$ glassy alloy*
Presented in National Conference on “Soft Matter” D. D. U. Gorakhpur University, Gorakhpur (**March 27-28, 2018**).
- (32) *Dependence of A.C. conductivity on frequency and temperature in bulk $Se_{90}Cd_2In_8$ glassy*

alloy

Presented in National Conference on “Recent Advances in Pure and Applied Mathematics” RAPAM-2018, M.M.M. University of Technology, Gorakhpur (**April 12-13, 2018**).

- (33) Attended a one-week short term course on “Research Methodology and Statistics” organized by Department of Applied Science, Madan Mohan Malviya University of Technology, Gorakhpur under TEQIP-3 (**October 24-30, 2018**).
- (34) *Structural and optical properties of non-oxide $Se_{90}Cd_{10-x}Sb_x$ ($2 \leq x \leq 8$) chalcogenide thin films by vacuum evaporation technique*
Presented in International Conference on “Advanced Materials, Energy and Environmental Sustainability” ICAMEES-2018, held at Department of Chemistry and Physics, University of Petroleum and Energy Studies, Dehradun, Uttarakhand, India (**Dec. 14 - 15 2018**).
- (35) *A.C. conduction mechanism of $Se_{90}Cd_6In_4$ glassy alloy*
Presented in National Conference on “Smart Materials, Devices and Sustainable Technologies” SMDST-2019, M.M.M. University of Technology, Gorakhpur (**March 15-16, 2019**).
- (36) *Investigation of dielectric behaviors and a. c. conduction of a- $Se_{90}Cd_{10-x}Sb_x$ ($2 \leq x \leq 8$) chalcogenide glass*
Presented in National Conference on “Smart Materials, Devices and Sustainable Technologies” SMDST-2019, M.M.M. University of Technology, Gorakhpur (**March 15-16, 2019**).
- (37) Attended an International E-Conference on “Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to the world”, organized by Government Vidarbha Institute of Science & Humanities, Amravati India (**May 15-17, 2020**).
- (38) Attended a Seven Day International Webinar on “Survival Strategies for Post COVID-19 Era: Perspectives from Science, Technology & Social Science”, organized by Department of Physics, Ewing Christian College in Association with Indian Association of Physics Teachers (IAPT) India (**May 20-26, 2020**).
- (39) Attended a Two-Day Webinar Crash Course on Amateur Astronomy “Getting Started in Sky Watching”, organized by Big Bang Astronomy club of Shri O.V. Sheth Regional Community Science Center, Rajkot, Department of Physics, Saurashtra University, Rajkot and Department of Science and Technology, Government of Gujarat (DST) (**May 25-26, 2020**).
- (40) Attended a Nine-Day Webinar Crash Course on “Bhautik Yatra: A Travel for Scientific Indian Minds”, organized by Department of Physics, Saurashtra University, Rajkot and Department of Science and Technology, Government of Gujarat (DST), Gujarat Council on Science & Technology (GUJCOST) & Essencetech (**May 21-29, 2020**).
- (41) Attended an International Webinar (e-conference) on “Recent Development in Materials Science”, organized by Department of Physics, St. Andrew’s College, Gorakhpur (U.P.)

India (**June 02-03, 2020**).

- (42) Attended an International Webinar on “COVID-19: Challenges and Perspective”, organized by Digvijay Nath Post Graduate College, Gorakhpur (U.P.) India (**June 03, 2020**).
- (43) Attended a 7 Days Workshop on “How to Develop Effective E-Learning Content”, organized by Department of Computer Science & IQAC, Digvijay Nath Post Graduate College, Gorakhpur (U.P.) India (**June 08-14, 2020**).
- (44) Attended an International Webinar on “Survival with COVID-19”, organized by Department of Chemistry, Digvijay Nath Post Graduate College, Gorakhpur (U.P.) India (**June 23-25, 2020**).
- (45) Attended an Webinar on “Startups and Entrepreneurship”, jointly organized by Shri M. K. Shah Lathiwala Science College, Tatva Institute of Technological Studies, SSIP Incubation Center, Sri P. T. Science College, Modasa, Community Science Center Aravalli and Gujrat Council on Science and Technology (**July 8-10, 2020**).
- (46) Attended an International Webinar on “A Quick Guide To Prepare Research Proposal”, organized by BVIMSR, Navi Mumbai and DLLE, University of Mumbai, India (**July 27, 2020**).
- (47) Attended a Online One week National Workshop on “Advanced Physical Tools and Techniques for Materials Characterization”, organized by Department of Physics, Mahatma Gandhi Central University, Motihari, Bihar India (**June 28 to August 03, 2020**).
- (48) Attended a Two Days National Workshop on “Learning Google Apps and Mobile for Online Education”, organized by IQAC Christ Church College, Kanpur and IEEE-PSIT Student Branch (**July 29-30, 2020**).
- (49) Attended a one Day Webinar on “Virtual Lab”, organized by Late Chandrashekhar Ji Purva Pradhan Mantri Snatkottar Mahavidyalaya, Ghazipur (U.P.) India (**August 29, 2020**).
- (50) Attended a National Webinar on “Work Plan and Suggestions to Control Commercialization of Education”, organized by D.A.V. Post Graduate College, Gorakhpur (U.P.) India (**September 02, 2020**).
- (51) Attended a National Webinar on “Implementation of National Education Policy-2020 in Higher Education”, organized by D. N. Post Graduate College, Gorakhpur (U.P.) India (**September 07-08, 2020**).
- (52) Attended a National Webinar on “Environmental Webinar: Sustainable Development”, organized by Nazareth College of Education For Women, Avadi, Chennai India (**September 11, 2020**).

- (53) Attended an International Webinar on “Modern Approach on Magnetism and Material Science in Engineering”, organized by Maharaja Institute of Technology Mysore, Belwadi, Patna, India (**September 15-18, 2020**).
- (54) Attended a one-week Online Faculty Development Programme on “Recent Advances in Material Science and Research Ethics” organized by Physics and Material Science Department, Madan Mohan Malviya University of Technology, Gorakhpur under TEQIP-III (**September 21-25, 2020**).
- (55) Attended a National Webinar on “Nano Particles”, organized by Department of Physics, Babasaheb Bhimrao Ambedkar Central University, Lucknow (U.P.) India (**September 27-29, 2020**).
- (56) Attended a National Webinar on “NEW EDUCATION POLICY-2020 AND ATMANIRBHAR BHARAT”, organized by Department of Economics, University of Lucknow (U.P.) India (**September 26, 2020**).

Courses Attended

- (1) Successfully Completed the course “**Learning Physics Through Simple Experiments**” organized by Centre for Continuing Education, **IIT Kanpur** U.P. India (April 2 to June 10, 2020).

Article Published:

1. “NANOMATERIALS: AN INTRODUCTION”, VIGYAN published by Department of Applied Science M.M.M.U.T. Gorakhpur on National Conference on “Materials Science and Technology”, March 10-11, 2014.
2. “An Introduction to Chalcogenide Glasses and Thin Film Deposition Technique”, VIGYAN published by Department of Applied Science M.M.M.U.T. Gorakhpur on National Conference on “Recent Advances in Chemical & Materials Science”, February 23-24, 2015.

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References:

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