

Research Publications:

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	DOI
1.	Near infrared broadband and visible up conversion emissions of erbium ions in oxyfluoride glasses for optical amplifier applications	Dr. R. Padma Suvarna	optics & laser technology	127 (July 2020) 106167	https://doi.org/10.1016/j.optlastec.2020.106167
2.	Effect of small concentration of TiO ₂ on physical and optical properties of borobismuthate glasses	Dr. R. Padma Suvarna	AIP Conference Proceedings	2220 (May 2020) 080038	https://doi.org/10.1063/5.0001144
3.	A study on optical properties of MnO doped borobismuthate glasses	Dr. R. Padma Suvarna	Materials Today: Proceedings	41 (July 2020) 1008-1012	https://doi.org/10.1016/j.matpr.2020.06.111
4.	Influence of TiO ₂ ions on structural properties and AC conductivity of BaO-Bi ₂ O ₃ -B ₂ O ₃ glass system	Dr. R. Padma Suvarna	Materials Today: Proceedings	38 (July 2020) 2200-2204	https://doi.org/10.1016/j.matpr.2020.05.770
5.	Optical and A.C conductivity characterization of alkaline earth borobismuthate glasses doped with nickel oxide	Dr. R. Padma Suvarna	Optik	220 (Oct 2020) 165152	https://doi.org/10.1016/j.jileo.2020.165152
6.	Physical and Optical Properties of Borobismuthate Glasses Containing Vanadium Oxide	Dr. R. Padma Suvarna	Glass Physics and Chemistry	46 (May 2020) 146–154	https://doi.org/10.1134/S1087659620020078
7.	A review on biological and biomimetic materials and their applications	Dr. R. Padma Suvarna	Applied Physics A	126 (May 2020) 1-18	https://doi.org/10.1007/s00339-020-03633-z
8.	Negative dielectric behavior in tetragonal La _{0.8} Co _{0.2-x} Eu _x TiO ₃ (x = 0.01–0.04) nanorods	Dr. R. Padma Suvarna	Materials Characterization	166 (August 2020) 110425	https://doi.org/10.1016/j.matchar.2020.110425

9.	Synthesis of multiferroic BiFeO ₃ microcrystals for photocatalytic activity and stability performance	Dr. R. Padma Suvarna	Materials Today: Proceedings	26 (June 2019) 126-129	https://doi.org/10.1016/j.matpr.2019.06.325
10	Photoluminescence of dysprosium doped antimony-magnesium-strontium-oxyfluoroborate glasses	Dr. R. Padma Suvarna	Ceramics International	44 (December 2018) 21303-21308	https://doi.org/10.1016/j.ceramint.2018.08.181
11.	Luminescent properties of Tb ³⁺ -doped TeO ₂ -WO ₃ -GeO ₂ glasses for green laser applications	Dr. R. Padma Suvarna	Optical Materials	80 (June 2018) 154-159	https://doi.org/10.1016/j.optmat.2018.04.052
12.	Microwave Heated Lead Cobalt Titanate Nanoparticles Synthesized by Sol-Gel Technique: Structural, Morphological, Dielectric, Impedance and Ferroelectric Properties	Dr. R. Padma Suvarna	Materials Science and Engineering B	242 (March 2019) 23-30	https://doi.org/10.1016/j.mseb.2019.03.005
13.	Intense green emission from Tb ³⁺ -doped TeO ₂ -WO ₃ -GeO ₂ glasses	Dr. R. Padma Suvarna	AIP Conference Proceedings	1952 (April 2018) 020108	https://doi.org/10.1063/1.5032070
14.	Red luminescence from Eu ³⁺ -doped TeO ₂ -WO ₃ -GeO ₂ glasses for solid state lasers	Dr. R. Padma Suvarna	AIP Conference Proceedings	1953 (May 2018) 090050	https://doi.org/10.1063/1.5032897
15.	Optical properties of Sm ³⁺ -doped TeO ₂ single bond WO ₃ single bond GeO ₂ glasses for solid state lasers	Dr. R. Padma Suvarna	Physica B: Condensed Matter	533 (March 2018) 76-82	https://doi.org/10.1016/j.physb.2018.01.007
16.	Optical bandgap and ferroelectric studies of Pb _{0.8-y} La _y Co _{0.2} TiO ₃ (y = 0.2 to 0.8) synthesized by microwave irradiation processed sol-gel technique	Dr. R. Padma Suvarna	Advances in Natural Science: Nanoscience and Nanotechnology	10 (Sep 2019) 035014	10.1088/issn.2043-6262

17.	Thermophysical properties of 1-butyl-3-methylimidazolium bis (trifluoromethylsulfonyl) imide with 2-ethoxyethanol from T = (298.15 to 323.15) K at atmospheric pressure	Dr. R. Padma Suvarna	Journal of Molecular Liquids	251 (February 2018) 335-344	https://doi.org/10.1016/j.molliq.2017.12.015
18.	Grain and grain boundary conduction mechanism in sol-gel synthesized and microwave heated $\text{Pb}_{0.8-y}\text{La}_y\text{Co}_{0.2}\text{TiO}_3$ ($y = 0.2-0.8$) nanofibers,	Dr. R. Padma Suvarna	Materials Chemistry and Physics	223 (Feb 2019) 241-248	https://doi.org/10.1016/j.matchemphys.2018.11.004
19.	Multiferroic Nature of Microwave-Processed and Sol-Gel Synthesized $\text{NanoPb}_{1-x}\text{Co}_x\text{TiO}_3$ ($x = 0.2-0.8$) Ceramics	Dr. R. Padma Suvarna	Crystal Research and Technology	53 (Nov 2018) 1800139	https://doi.org/10.1002/crat.201800139
20.	Structural and functional properties of sol-gel synthesized and microwave heated $\text{Pb}_{0.8}\text{Co}_{0.2-z}\text{La}_z\text{TiO}_3$ ($z = 0.05-0.2$) nanoparticles	Dr. R. Padma Suvarna	Ceramics International	44 (Nov 2018) 19408-19420	https://doi.org/10.1016/j.ceramint.2018.07.176
21.	Sol-Gel Synthesized and Microwave Heated $\text{Pb}_{0.8-y}\text{La}_y\text{Co}_{0.2}\text{TiO}_3$ ($y = 0.2-0.8$) Nanoparticles: Structural, Morphological and Dielectric Properties	Dr. R. Padma Suvarna	Ceramics International	44 (Oct 2018) 18189-18199	https://doi.org/10.1016/j.ceramint.2018.07.027
22.	Density and Speed of Sound of the Binary Mixture of 1-Butyl-3-Methylimidazolium Bis(trifluoromethylsulfonyl)imide + 2-Methoxyethanol from T = (298.15 to 323.15) K at Atmospheric Pressure	Dr. R. Padma Suvarna	Journal of Chemical Engineering data	62 (Oct 2017) 3903-3914	https://doi.org/10.1021/acs.jced.7b00604

23.	Phase Change and Ferroelectric Nature of Microwave Heated Lead Cobalt Titanate Nanoparticles Prepared by Sol-Gel Method	Dr. R. Padma Suvarna	International Journal of Applied Ceramic Technology	16 (July 2018) 130-137	https://doi.org/10.1111/ijac.13056
24.	Biosynthesis of MgO nanoparticles using mushroom extract: effect on peanut (<i>Arachis hypogaea</i> L.) seed germination	Dr. R. Padma Suvarna	3 Biotech	263 (July 2017)	https://doi.org/10.1007/s13205-017-0894-3
25.	Structural and ferroelectric properties of microwave heated lead cobalt titanate nanoparticles synthesized by sol-gel technique	Dr. R. Padma Suvarna	Journal Material Science; Materials in Electronics	29 (Dec 2017) 4738-4742	https://doi.org/10.1007/s10854-017-8429-6
26.	AC Electrical Conductivity Studies of Pani-Copper Oxide Nanocomposites	Dr. R. Padma Suvarna	Indian journal of science and technology	10 (April 2017)	10.17485/ijst/2017/v10i4/102833
27.	Synthesis, Characterization, Dielectric and Thermoelectric Properties Of Calcium Doped Magnesium Titanate $Mg(1-X)CaTiO_3$ ($X=0.1, 0.3$ & 0.5) Ceramics	Dr. R. Padma Suvarna	Journal of Ovonic Research	13 (February 2017) 33 – 43	https://chalcogen.ro/33_SamyukthaVS.pdf
28.	Studies on the morphology and conductivity of PEO/LiClO ₄	Dr. R. Padma Suvarna	Materials Today: Proceedings	3 (6) (June 2016)	https://doi.org/10.1016/j.matpr.2016.04.028
29.	Synthesis, structural and dielectric properties of Magnesium calcium titanate (1-x) $MgTiO_3-xCaTiO_3$ ($x=0, 0.1, 0.2$ and 0.3)	Dr. R. Padma Suvarna	Materials Today: Proceedings	3 (6) (June 2016)	https://doi.org/10.1016/j.matpr.2016.04.072
30.	Effect of plasma ion etching on Si nano wires towards super hydrophobicity	Dr. R. Padma Suvarna	Materials Today: Proceedings	3 (6) (June 2016)	https://doi.org/10.1016/j.matpr.2016.04.091
31.	A study on optical properties of poly (ethylene oxide) based polymer	Dr. R. Padma Suvarna	AIP Conference Proceedings	1728 (May 2016) 020076	https://doi.org/10.1063/1.494

	electrolyte with different alkali metal iodides				6127
32.	Effect of annealing temperature on the electrical, structural and surface morphological properties of Ru/Ti Schottky contacts on n-type InP	Dr. R. Padma Suvarna	Superlattices and Microstructures	86 (October 2015) 280-291	https://doi.org/10.1016/j.spmi.2015.07.068
33.	Temperature-dependent electrical parameters and current transport mechanisms of Ru/Ti/n-InP Schottky diodes	Dr. R. Padma Suvarna	Indian Journal of Physics	89 (May 2015) 1161–1168	https://doi.org/10.1007/s12648-015-0704-x
34.	Host defense antimicrobial peptides as antibiotics: design and application strategies	Dr. D. Zarena	Current Opinion in Chemical Biology	Vol. 38, 2017	https://doi.org/10.1016/j.cbpa.2017.03.014
35.	The π configuration of the WWW motif of a short Trp-rich peptide is critical for targeting bacterial membranes, disrupting preformed biofilms, and killing methicillin-resistant <i>Staphylococcus aureus</i>	Dr. D. Zarena	Biochemistry	Vol. 56, 2017	https://doi.org/10.1021/acs.biochem.7b00456
36.	A Peptide-Nanoparticle System with Improved Efficacy against Multidrug Resistant Bacteria	Dr. D. Zarena	Scientific Reports	Vol. 9, 2019	https://doi.org/10.1038/s41598-019-41005-7
37.	Synthesis and characterization of barium niobate and silver niobate solid solution	Dr. D. Zarena	American Institute of Physics conference proceedings	Vol. 2220, 2020	https://doi.org/10.1063/5.0001743
38.	Two distinct amphipathic peptide antibiotics with systemic efficacy	Dr. D. Zarena	Proceedings of the National Academy of Sciences	Vol. 32, 2020	https://doi.org/10.1073/pnas.2005540117
39.	Insights into the Dielectric Loss Mechanism of Bianisotropic FeSi/SiC Composite Materials	Dr. N Suresh Kumar	ACS Omega	5 (Sep, 2020) 40, 25968–25972	https://doi.org/10.1021/acsomega.0c03409

40.	Stability of 2D and 3D Perovskites Due to Inhibition of Light-Induced Decomposition	Dr. N Suresh Kumar	Journal of Electronic Materials	49 (Sep, 2020) 7072-7084	https://doi.org/10.1007/s11664-020-08435-w
41.	Nanorods like microstructure, photocatalytic activity and ac-electrical properties of $(1-x)(\text{Al}_{0.2}\text{La}_{0.8}\text{TiO}_3)+x(\text{BaTiO}_3)$ ($x = 0.2, 0.4, 0.6$ & 0.8) nanocomposites	Dr. N Suresh Kumar	Chemical Physics Letters	752 (Aug 2020) 1375552	https://doi.org/10.1016/j.cpl.2020.137552
42.	Phase transformation, nanorods like morphology, wide band gap and dielectric properties of $1-x(\text{Al}_{0.2}\text{La}_{0.8}\text{TiO}_3)+x(\text{BaTiO}_3)$ ($x = 0.2 - 0.8$) nanocomposites	Dr. N Suresh Kumar	Journal of Materials Science: Materials in Electronics	31 (May 2020) 9293–9305	https://doi.org/10.1007/s10854-020-03469-6
43.	A review on biological and biomimetic materials and their applications	Dr. N Suresh Kumar	Applied Physics A	126 (May 2020) 1-18	https://doi.org/10.1007/s00339-020-03633-z
44.	Negative dielectric behavior in tetragonal $\text{La}_{0.8}\text{Co}_{0.2-x}\text{Eu}_x\text{TiO}_3$ ($x = 0.01-0.04$) nanorods	Dr. N Suresh Kumar	Materials Characterization	166 (August 2020) 110425	https://doi.org/10.1016/j.matchar.2020.110425
45.	Structural transformation and high negative dielectric constant behaviour in $(1-x)(\text{Al}_{0.2}\text{La}_{0.8}\text{TiO}_3)+x(\text{BiFeO}_3)$ ($x = 0.2 - 0.8$) nanocomposites	Dr. N Suresh Kumar	Physica E: Low-dimensional Systems and Nanostructures	122 (August 2020) 114204	https://doi.org/10.1016/j.physe.2020.114204
46.	Photocatalytic activity, negative ac- electrical conductivity, dielectric modulus and impedance properties in $0.6(\text{Al}_{0.2}\text{La}_{0.8}\text{TiO}_3)+0.4(\text{BiFeO}_3)$ nanocomposite	Dr. N Suresh Kumar	Crystal Research and Technology	55 (May 2020) 7, 2000068	https://doi.org/10.1002/crat.202000068
47.	BaSrLaFe ₁₂ O ₁₉ nanorods: Optical and magnetic properties	Dr. N Suresh Kumar	Journal of Materials Science: Materials in Electronics	31 (April 2020) 8022–8032	https://doi.org/10.1007/s10854-020-03342-6

48.	Microwave Heated Lead Cobalt Titanate Nanoparticles Synthesized by Sol-Gel Technique: Structural, Morphological, Dielectric, Impedance and Ferroelectric Properties	Dr. N Suresh Kumar	Materials Science and Engineering B	242 (March 2019) 23-30	https://doi.org/10.1016/j.mseb.2019.03.005
49.	Induced dielectric behavior in high dense $\text{Al}_x\text{La}_{1-x}\text{TiO}_3$ ($x = 0.2-0.8$) Nanospheres	Dr. N Suresh Kumar	Journal of Materials Science: Materials in Electronics	30 (Oct 2019) 20253–20264	https://doi.org/10.1007/s10854-019-02409-3
50.	A review on giant piezoelectric coefficient, materials and applications	Dr. N Suresh Kumar	Biointerface Research in Applied Chemistry	9 (Aug 2019) 4205 – 4216	https://doi.org/10.33263/BRIAC95.205216
51.	Optical bandgap and ferroelectric studies of $\text{Pb}_{0.8-y}\text{La}_y\text{Co}_{0.2}\text{TiO}_3$ ($y = 0.2$ to 0.8) synthesized by microwave irradiation processed sol-gel technique	Dr. N Suresh Kumar	Advances in Natural Science: Nanoscience and Nanotechnology	10 (Sep 2019) 035014	10.1088/issn.2043-6262
52.	Temperature and Frequency Dependence of Complex Impedance Parameters of Microwave Sintered NiMg Ferrites	Dr. N Suresh Kumar	Journal of Australian Ceramic Society	55 (June 2019) 541-548	https://doi.org/10.1007/s41779-018-0260-x
53.	Grain and grain boundary conduction mechanism in sol-gel synthesized and microwave heated $\text{Pb}_{0.8-y}\text{La}_y\text{Co}_{0.2}\text{TiO}_3$ ($y = 0.2-0.8$) nanofibers,	Dr. N Suresh Kumar	Materials Chemistry and Physics	223 (Feb 2019) 241-248	https://doi.org/10.1016/j.matchemphys.2018.11.004
54.	Multiferroic Nature of Microwave-Processed and Sol-Gel Synthesized $\text{NanoPb}_{1-x}\text{Co}_x\text{TiO}_3$ ($x = 0.2-0.8$) Ceramics	Dr. N Suresh Kumar	Crystal Research and Technology	53 (Nov 2018) 1800139	https://doi.org/10.1002/crat.201800139
55.	Structural and functional properties of sol-gel synthesized and microwave heated $\text{Pb}_{0.8}\text{Co}_{0.2-z}\text{La}_z\text{TiO}_3$ ($z = 0.05-0.2$) nanoparticles	Dr. N Suresh Kumar	Ceramics International	44 (Nov 2018) 19408-19420	https://doi.org/10.1016/j.ceramint.2018.07.176

56.	Sol-Gel Synthesized and Microwave Heated $Pb_{0.8-y}La_yCo_{0.2}TiO_3$ ($y = 0.2-0.8$) Nanoparticles: Structural, Morphological and Dielectric Properties	Dr. N Suresh Kumar	Ceramics International	44 (Oct 2018) 18189-18199	https://doi.org/10.1016/j.ceramint.2018.07.027
57.	Review on Magnetocaloric Effect and Materials	Dr. N Suresh Kumar	Journal of Superconductivity and Novel Magnetism	31 (Apr 2018) 1971-1979	https://doi.org/10.1007/s10948-018-4666-z
58.	Phase Change and Ferroelectric Nature of Microwave Heated Lead Cobalt Titanate Nanoparticles Prepared by Sol-Gel Method	Dr. N Suresh Kumar	International Journal of Applied Ceramic Technology	16 (July 2018) 130-137	https://doi.org/10.1111/ijac.13056
59.	Structural, Morphological, Optical, Electrical, Impedance and Ferroelectric Properties of BaO-ZnO-TiO ₂ Ternary System	Dr. N Suresh Kumar	Journal of Australian Ceramic Society	55 (June 2018) 201-218	https://doi.org/10.1007/s41779-018-0225-0
60.	Structural and ferroelectric properties of microwave heated lead cobalt titanate nanoparticles synthesized by sol-gel technique	Dr. N Suresh Kumar	Journal Material Science; Materials in Electronics	29 (Dec 2017) 4738-4742	https://doi.org/10.1007/s10854-017-8429-6

Projects:

S.No.	Project Title	Principle Investigator	Amount in lakhs	Funding Agency
1	Synthesis And Characterization Of Nano Conducting Polymers For The Fabrication Of Lithium Batteries	Dr. R. Padma Suvarna	9.7	UGC
2	Structure And Function Of Novel Antimicrobial Peptides By Biophysical And Spectroscopic Techniques	Dr. D. Zarena	44.75	DST

Prof. R. Padma Suvarna

1. Organized a three days Faculty Development Program on “**Effective Teaching Approach to Applied & Engineering Physics**” on August 5-7, 2019, Sponsored by TEQIP-III.
2. Organized a one day workshop on “**Characterization Techniques**” on 07-12-2019, Sponsored by TEQIP-III.
3. Organized a two day online Faculty Development Program on “**Virtual Physics Labs**” during 7th to 9th September 2020, Sponsored by TEQIP-III.
4. Organized an online national conference on “**Advanced Functional Materials**” on 17th and 18th December, 2020 Sponsored by TEQIP-III.
5. Organized one day national webinar on “**Physics Stage Shows**” on 27th February 2021.

Dr. D. Zarena

6. Organized a two day UGC sponsored National level workshop on **NMR Spectroscopy: Application to Biomolecules** at JNTUA CE, Anantapur from 9-10 Jan 2015.
7. Organized a Faculty Development Programme jointly with Mechanical Engineering dept. **Aspirations Development Programme for Self & Professional Empowerment** sponsored by TEQIP III at JNTUA CEA from 27th November to 1st December, 2018.
8. Organized a one-day workshop on **Ferrites: Synthesis, Characterization & Applications** sponsored by TEQIP III at JNTUA CEA on 28th July 2019.
9. Organized a three-day Faculty Development Programme along with Head, Physics department as Co-ordinator on **Effective Teaching Approach to Applied and Engineering Physics** sponsored by TEQIP-III at JNTUA CEA from Aug 5-7, 2019.

ANNEXURE- VIII

S.No.	Title and place of the National Seminars/Conferences/Workshop/ symposia attended	Year
Prof. R. Padma Suvarna		
1	one day workshop “ Awareness on Washington Accord for Outcome Based Education ” in JNTUA CEA	04 th August, 2015
2	one day workshop on “ Innovations in Technology ” in JNTUA CEA	9 th December, 2015
3	Conference on Emerging Materials held at Indian Institute of Science, Bangalore	July, 18-19 th , 2016
4	Participated in the “ Indian Science Congress ” held in SV University, Tirupathi .	January 3-7, 2017
5	National Seminar on “ Advances in Electronics ” held at Department of Physics, Sri Krishnadevaraya University, Anantapur	February 27 th , 2017
6	one week FDP on “ Nano materials and Smart devices ” in IIT Guwahati	15-22, Oct-2018.
7	“ National workshop on Developments and prospects of thermoelectric energy conversion devices and its applications ”, in Shri Mata Vaishno Devi University, Kakral.	28-29, November, 2019
Dr. D. Zarena		
1	Workshop on Structural Biology: An Introduction to Protein Crystallography, NIMHANS, Bangalore	Apr 15 - 18, 2015
2	Indian Academy of Sciences symposium for teachers and 26 th mid-year meeting, Bangalore	July 2-4, 2015
3	Faculty Development Programme on Entrepreneurship, JNTUA	July 6 -18, 2015

	CEA	
4	Complimentary Training/Orientation on MATLAB, Simulink & Related Tool Boxes for Engineering Education, JNTUA CEA	Oct 7, 2015
5	Gordon Research Seminar on Antimicrobial Peptides, California, USA	Feb 26 - Mar 3, 2017
6	GRASP – NMR conference, University of Kansas, USA	Oct 13-14, 2017
8	One-Week Faculty Development Programme on Innovative Teaching – Learning Techniques in Higher Education, JNTUA CEA	Sep 4-9, 2019
9	One-day workshop on Characterization Techniques, JNTUA CEA	Dec 7, 2019
10	Faculty Development Programme on Awareness on Electric/Hybrid Vehicle Engineering, JNTUA CEA	Jan 21-25, 2020
Dr. N. Suresh Kumar		
1	Two Days Workshop on Materials Characterization Techniques Organized by Department of Physics, SRM University, Chennai, Tamilnadu	2-3 September 2016
2	National Symposium on Advanced Functional Materials and Their Applications (NSAFMA-2018) organized by RGM college of engineering	27-28 February 2018.
3	One-day Workshop on Ferrites: Synthesis, Characterization & Applications held at Department of Physics, JNTUA College of Engineering Anantapur	8 th July, 2019
4	Three day Faculty Development Program on Effective Teaching Approach to Applied and Engineering Physics held at Department of Physics, JNTUA College of Engineering Anantapur	5 th – 7 th August, 2019
5	Two-Day Workshop on Emerging Trends in Physics and its Applications organized by GITAM School of Science, Bangalore	28 th & 29 th February, 2020

ANNEXURE- IX

S.No.	Title and place of the International Seminars/Conferences/Workshop/ symposia attended	Year
Prof. R. Padma Suvarna		
1	International Conference on “ Nanostructured Polymeric Materials & Polymer Nanocomposites ” in Mahatma Gandhi University in Kottayam, Kerala	November 13 th – 15 th , 2015
2	9 th International conference on recent trends in engineering, science and management held in Osmania University, Hyderabad	June 18 th , 2017
3	International conference on “ Advances in Materials Science and Technology ” held at VIT university	October 9-11, 2017
4	2 nd International conference on Nano Science and Engineering Applications-2018 held in JNTUH, Hyderabad.	Oct 4 th – 6 th 2018
5	International Conference on Functional Nanomaterials held at IIT (BHU), Varanasi	February 22-25 th , 2019
6	International Conference on Functional Materials held at IIT Kharagpur	January 06-08, 2020
7	Ist International Faculty Development Program on Research & Development in Materials Behaviour, Processing and Characterization Techniques organized by GLA University, Mathura	9 th -14 th June, 2020

Dr. D. Zarena		
1	International conference on Peptide Engineering Meeting-7, IISER Pune	Dec 5-7, 2015
2	22 nd conference of National Magnetic Resonance Society of India, IIT Kharagpur	Feb18-21, 2016
3	International Workshop on Materials Technology and Applications, VIT, Vellore	Oct 11-12, 2018
4	3 rd International Conference on Condensed Matter and Applied Physics (ICC 2019), Bikaner, Rajasthan	Oct 14-15, 2019
Dr. N. Suresh Kumar		
1	International Conference on Emerging Electronics organized by IIT Bombay Mumbai	27-30 December 2016.
2	International Conference on Latest concepts in science, technology management and Humanities (ICLCSTMH-2017) organized by Gwalior institute of information technology, Gwalior, Madhya Pradesh	17 th December 2017.
3	One-week Online International Faculty Development Program on “Research and Development in Materials Behavior, Processing and Characterization Techniques” organized by GLA University Mathura	9 th -14 th June, 2020
4	Two days international virtual conference on Modern Instrumental and Characterization Techniques in Applied Sciences (MICTAS-2020), organized by MIET Kumaon Haldwani & Department of Chemistry, H.N.B. Govt. P. G. College, Khatima, Uttarakhand in collaboration with USERC DSTDehradun & Department of Chemistry, R.H. Govt. P. G. College, Kashipur, Uttarakhand	July 5-6, 2020

XIII.	Achievement of Teachers (Awards and recognitions) from 2014-2021	Dr. D. Zarena, Assistant Professor was awarded prestigious Raman Postdoctoral Fellowship in USA for the year 2015-16 by University Grants Commission, Delhi.
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