

Profile

Name of the Faculty	Dr. J. Shankar	
Designation	Professor	
Department	Freshman Engineering	
Area of Interest	Material Science	
Subjects Taught	Applied Physics, Solid State Physics, Semiconductor Devices, Engineering Physics, Semiconductor Physics	
JNTUH Registration Id	2164-160107-105632	
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Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	Ph.D	Solid State Physics	VNIT Nagpur	2012
2	M.Sc.(Tech.)	Engineering Physics	NIT Warangal	2002
3	B.Sc.	M.P.E	Kakatiya University	1999
4	Inter	M.P.C	Nalanda Jr. College , Vijayawada	1996
5	SSC	-	APRS Bandarupally	1994

Research Publications:

S. No.	Publication details
1	“Effect of MgO addition on the properties of PbO–TiO ₂ –B ₂ O ₃ glass and glass–ceramics” 15 -18, Ceramics International, 2013, 0272-8842
2	Study of PbO-SrO-TiO ₂ -B ₂ O ₃ glass and glass ceramics” 2160-2163, Physica-B, 2012, 0921-4526
3	“Effect of CaO Addition on the Properties of PbTiO ₃ Glass Ceramic” 116-125, Ferroelectrics, 1563-5112 2011,
4	Electrical and thermal properties of lead titanate glass ceramics”, 588 – 592, Physica-B, 2011, 0921-4526
5	Study of lead titanate based glass ceramics with addition of BaO”, 110 – 121, Integrated Ferroelectrics. 2010, 1607-8489
6	Effect of Heat Treatment Schedule on the Properties of Lead Titanate Based Glass Ceramic”, Ferroelectrics, 2009, 1563-5112
7	“PbTiO ₃ based ferroelectric glass ceramics”, 2014, 708-710, AIP Conference Proceedings, 0094-243X
8	“Study of PbO -TiO ₂ -B ₂ O ₃ glass and glass ceramics” 2015, 070001-070003, AIP Conference Proceedings, 0094-243X
9	Synthesis and characterization of PbTiO ₃ based glass ceramics, 2017, 070016-1-070016-3, AIP Conference Proceedings, 0094-243X
10	Crystallization and dielectric properties of PbTiO ₃ based glass ceramics, 070001-1-070001-4, AIP Conference Proceedings, 2018, 0094-243X
11	Enhanced electrical properties of SrBi ₄ Ti ₄ O ₁₅ ceramic with addition of ZrO ₂ , 120007-1-120007-4, AIP Conference Proceedings, 2018, 0094-243X

12	Application of dielectric mixtures formulae to PbTiO ₃ based glass-ceramic systems,020004-1-020004-4, AIP Conference Proceedings,2019, 0094-243X
13	Study of Microstructure and Dielectric Properties of PbTiO ₃ based Glass Ceramics,020045-1-020045-6, AIP Conference Proceedings,2019, 0094-243X
14	Shielding Effectiveness studies of NiCuZn ferrite-Polyaniline nanocomposites for EMI suppression applications,2019,020027-1-020027-6, AIP Conference Proceedings.2019, 0094-243X
15	Preparation and Characterization of Red Emitting Yttrium Vanadate Phosphor Doped with Eu(III): Y ₁ -XVO ₄ : Eu _x ,020017-1-020027-7, AIP Conference Proceedings,2019, 0094-243X
16	Thermoluminescence characteristics and dosimetric aspects of Li ₂ O-CaO-B ₂ O ₃ glasses doped with rare earth ions,020043-1-020043-8, AIP Conference Proceedings,2019, 0094-243X
17	Study of Microstructure and Thermal Properties of PbTiO ₃ Based Glass Ceramics,, 03007-1-030077-4, AIP Conference Proceedings,2020, 0094-243X
18	Complex permittivity and permeability properties analysis of NiCuZn Ferrite-Polymer nanocomposites for EMI suppressor applications,,012001-1-012001-7, IOP: Journal of Physics Conference Series,2020, 1742-6596
19	Solid State Root Preparation, Characterization and Electrical Properties of NiCuZnFe ₂ O ₄ / Paraformaldehyde Nanocomposites.,012004-1-012004-7, IOP: Journal of Physics Conference Series,2020, 1742-6596
20	Quenching Effect of co-dopant Pr ³⁺ on Red Emitting Yttrium Vanadate Phosphor Doped with Eu(III),.030063-1-030063-6, AIP Conference Proceedings,2020, 0094-243X

Books/Book Chapters Published:

S. No.	Publication details
1	PbTiO ₃ based Ferroelectric Glass Ceramics 1-172, LAP LAMBERT Academic Publishing; 978-3659345180
2	International Conference on Multifunctional Materials, Journal of Physics: Conference Series, 2020 J. Phys.: Conf. Ser. 1495 011001

Experience:

Teaching	20 Years
Industry	-
Research	14 years
Total Experience	20 Years