

Curriculum Vitae



Name : **Kanhaiya Lal Yadav**

Date of Birth : 31-12-1965

Present Position & Address : **Professor, Department of Physics, IIT Roorkee, India**
Faculty Member, Center of Nanotechnology, IIT Roorkee, India

Specialization : Experimental Condensed Matter Physics (Electroceramics, Functional Nanomaterials and biomaterials)

Academic Qualifications : B.Sc. (Hons.) Physics 1987 IIT Kharagpur 1st Class
M.Sc. Physics 1989 IIT Kharagpur 1st Class
Ph.D. Physics 1994 IIT Kharagpur

Employment : Industrial, Teaching and Research

Name of the Employer	Designation	Period	
		From	to
Icicon Electronics India Ltd., Vadodara, Gujarat	Executive (Production)	9-9-1994	27-2-1996
Narmada College of Sc. & Com., Bharuch, Gujarat	Lecturer	28-2-1996	10-10-1997
National Physical Laboratory, New Delhi	Scientist 'B'	13-10-1997	28-1-2002
Department of Physics, Indian Institute of Technology, Roorkee	Assistant Professor	29-1-2002	07-05-2008
	Associate Professor	08-05-2008	3-04-2014
	Professor	04-04-2014	Contd

No of Publications : **203 SCI Journals [Impact points-280.7]**

Sponsored Projects : **6 (2 DST + 3 CSIR + 1 DAE)**

Convener of Short Term course : **9; Teaching, Research & Industrial Experience: 29 Yrs**

Summary of theses supervised; Winner of Materials Today cover competition 2016

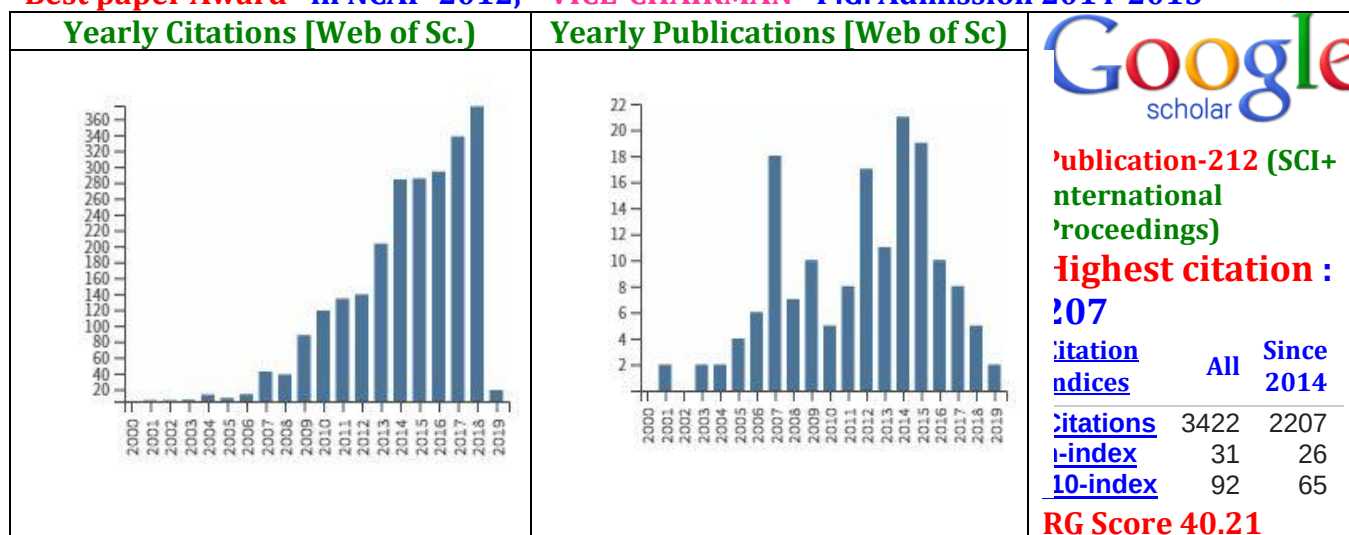
	Awarded	Submitted	Progress	Total
Ph. D Thesis	13	-	6	19
M. Tech, Dissertation	29	-	-	29
M.Sc. Dissertation	18	-	-	18

Visits Abroad: (i) USA on **BOYSCAST Fellowship of one Year;** (ii) JAPAN –Tusukuba University
(iii) **National University of Singapore;** (iv) **IMRE-Singapore**
(v) **National Institute for Materials Science, Sengen, Tsukuba, Japan (JSPS Fellow)**
(vi) **University of Glasgow, Scotland (Royal Society of Edinburgh) : 2014 (not availed)**

Over all performance (2005-2006) Adjudged: Excellent (Star Performer),

Sum of Times Cited (2002-2019): 2333 [Web of Science] Till: 11/1/2019

Best paper Award –in NCAP-2012, VICE-CHAIRMAN –P.G. Admission 2014-2015





List of Publication

No.	Publication Details
150	Strongly enhanced electrocaloric effects in doped BaTiO₃ with reduced grain size; Kumar, Manoj; Kumar, Amit; Kumar, Yogesh; et al.; SMART MATERIALS AND STRUCTURES Volume: 28 Issue: 1 Article Number: 015013 Published: JAN 2019
149	Magnetic, ferroelectric, and magnetodielectric properties of BiFeO₃ ceramic co-doped with Eu and Gd; By: Kumar, Amit; Yadav, K. L.; Kumar, Sonu; et al. JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 124 Pages: 19-23 Published: JAN 2019
148	Dielectric, magnetic and magnetoelectric properties of ferrite-ferroelectric based particulate composites; Kumar, Yogesh; Yadav, K. L.; Shah, Jyoti; et al. MATERIALS RESEARCH EXPRESS Volume: 5 Issue: 8 Published: AUG 2018
147	Probing the electrical properties and energy storage performance of electrospun ZnMn₂O₄ nanofibers; Bhagwan, Jai; Kumar, Nagesh; Yadav, K. L.; et al., SOLID STATE IONICS Volume: 321 Pages: 75-82 Published: AUG 2018
146	MWCNTs toward superior strength of epoxy adhesive joint on mild steel adherent; Kumar, Arun; Kumar, Kaushal; Ghosh, P. K.; et al.; COMPOSITES PART B-ENGINEERING Volume: 143 Pages: 207-216 Published: JUN 15 2018
145	Synthesis and study of structural, dielectric, magnetic and magnetoelectric properties of K_{0.5}Na_{0.5}NbO₃-CoMn_{0.2}Fe_{1.8}O₄ composites; Kumar, Yogesh; Yadav, K. L.; JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS Volume: 29 Issue: 11 Pages: 8923-8936 Published: JUN 2018
144	MWCNT/TiO₂ hybrid nano filler toward high-performance epoxy composite; Kumar, Arun; Kumar, Kaushal; Ghosh, P. K.; et al.; ULTRASONICS SONOCHEMISTRY Volume: 41 Pages: 37-46 Published: MAR 2018
143	Improved energy storage, magnetic and electrical properties of aligned, mesoporous and high aspect ratio nanofibers of spinel-NiMn₂O₄; Bhagwan, Jai; Rani, Stuti; Sivasankaran, V.; et al.; APPLIED SURFACE SCIENCE Volume: 426 Pages: 913-923 Published: DEC 31 2017
142	Study of structural, dielectric, electric, magnetic and magnetoelectric properties of K_{0.5}Na_{0.5}NbO₃ - Ni_{0.2}Co_{0.8}Fe₂O₄ composites; Kumar, Yogesh; Yadav, K. L.; Manjusha; et al.; CERAMICS INTERNATIONAL Volume: 43 Issue: 16 Pages: 13438-13446 Published: NOV 2017
141	Systematic investigation and in vitro biocompatibility studies on implantable magnetic nanocomposites for hyperthermia treatment of osteoarthritic knee joints, Mohapatra, S.; Mishra, R.; Roy, P.; et al., JOURNAL OF MATERIALS SCIENCE Volume: 52 Issue: 16 Pages: 9262-9268 Published: AUG 2017
140	Multiferroic and magnetoelectric properties of BiFeO₃-CoFe₂O₄-poly(vinylidene-fluoride) composite films, Adhlakha, Nidhi; Yadav, K. L.; Truccato, Marco; et al., EUROPEAN POLYMER JOURNAL Volume: 91 Pages: 100-110 Published: JUN 2017
139	Electrically heterogeneous high dielectric BaTi_{0.4}(Fe_{0.5}Nb_{0.5})_{0.6}O₃ ceramic, Patel, Piyush Kumar; Yadav, K. L., SOLID-STATE ELECTRONICS Volume: 132 Pages: 39-44 Published: JUN 2017
138	Strain mediated magnetoelectric coupling induced in (x) Bi_{0.5}Na_{0.5}TiO₃-(1-x) MgFe₂O₄ composites; Manjusha; Yadav, K. L.; Adhlakha, Nidhi; et al., PHYSICA B-CONDENSED MATTER Volume: 514 Pages: 41-50 Published: JUN 1 2017
137	Nanofibers of spinel-CdMn₂O₄: A new and high performance material for supercapacitor and Li-ion batteries; Bhagwan, Jai; Sahoo, Asit; Yadav, K. L.; et al.;



	JOURNAL OF ALLOYS AND COMPOUNDS Volume: 703 Pages: 86-95 Published: MAY 5 2017
136	Thermo-mechanical and anti-corrosive properties of MWCNT/epoxy nanocomposite fabricated by innovative dispersion technique; Kumar, Arun; Ghosh, P. K.; Yadav, K. L.; et al., COMPOSITES PART B-ENGINEERING Volume: 113 Pages: 291-299 Published: MAR 15 2017
135	Reduced leakage current and improved multiferroic properties of 0.5 ((1-x)BLPFO-xPZT)-0.5PVDF composite films; Adhlakha, Nidhi; Yadav, K. L.; Truccato, Marco; et al. CERAMICS INTERNATIONAL Volume: 42 Issue: 16 Pages: 18238-18246, Published: DEC 2016
134	Structural, magnetic and magnetoelectric properties of single phase La³⁺ and Er³⁺ co-doped Bi_{0.85}-xLa_{0.15}Er_xFeO₃ (0 ≤ x ≤ 0.1) ceramics; Manjusha; Yadav, K. L.; Mall, Ashish Kumar; MATERIALS RESEARCH EXPRESS Volume: 3 Issue: 11 Article Number: 115703 Published: NOV 2016
133	Porous, one-dimensional and high aspect ratio nanofibric network of cobalt manganese oxide as a high performance material for aqueous and solid-state supercapacitor (2 V), Bhagwan, Jai; Sivasankaran, V.; Yadav, K. L.; et al.; JOURNAL OF POWER SOURCES Volume: 327 Pages: 29-37 Published: SEP 30 2016
132	Structural, dielectric, magnetic and magnetoelectric properties of (x) Bi_{0.5}Na_{0.5}TiO₃-(1-x) Ni_{0.2}Co_{0.8}Fe₂O₄ composites, Kumar, Yogesh; Yadav, K. L.; Manjusha; et al. MATERIALS RESEARCH EXPRESS Volume: 3 Issue: 6 Article Number: UNSP 065701 Published: JUN 2016
131	Enhanced dielectric, ferroelectric and magnetodielectric properties in three phase 0.45Bi(0.9)La(0.1)FeO(3)-0.55Co(0.5)Ni(0.5)Fe(2)O(4)-BaTiO₃ composite, Manjusha; Yadav, K. L., JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS Volume: 27 Issue: 6 Pages: 6347-6358 Published: JUN 2016
130	Multiferroic and optical studies on the effects of Ba²⁺ ions in BiFeO₃ nanoparticles, Kaur, Manpreet; Yadav, K. L.; Uniyal, Poonam, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS Volume: 27 Issue: 5 Pages: 4475-4482 Published: MAY 2016
129	Bimodal distribution of grains Fractured surfaces, Yadav, K. L.; Patel, Piyush K., MATERIALS TODAY Volume: 19 Issue: 1 Pages: 56-57 Published: JAN-FEB 2016
128	Influence of oxygen pressure on the growth and physical properties of pulsed laser deposited Cu₂O thin films, Kaur, Gurpreet; Mitra, Anirban; Yadav, K. L., JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS Volume: 26 Issue: 12 Special Issue: SI Pages: 9689-9699 Published: DEC 2015
127	Dwell time effect on the barrier layer capacitor structure in CaCu₃Ti₄O₁₂ ceramic, Patel, Piyush Kumar; Yadav, K. L., CERAMICS INTERNATIONAL, Volume: 41 Issue: 9 Pages: 12386-12392 Part: B, NOV 2015
126	Structural and magnetodielectric properties of poly(vinylidene-fluoride)-[0.8(Bi_{0.5}Na_{0.5})TiO₃-0.2CoFe(2)O(4)] polymer composite films, Rani, Jyoti; Yadav, K. L.; Prakash, Satya; COMPOSITES PART B-ENGINEERING Volume: 79 Pages: 138-143 Published: SEP 15 2015
125	Influence of Beam Energy on the Properties of Pulsed Laser Deposited Al-Doped ZnO Thin Films, By: Kaur, Gurpreet; Mitra, Anirban; Yadav, K. L.; IEEE TRANSACTIONS ON NANOTECHNOLOGY Volume: 14 Issue: 5 Pages: 922-930 Published: SEP 2015
124	Structural, dielectric, vibrational and magnetic properties of Sm doped BiFeO₃ multiferroic ceramics prepared by a rapid liquid phase sintering method, Singh, Hemant; Yadav, K. L., CERAMICS INTERNATIONAL Volume: 41 Issue: 8 Pages: 9285-9295 Published: SEP 2015
123	Porous, One dimensional and High Aspect Ratio Mn₃O₄ Nanofibers: Fabrication and Optimization for Enhanced Supercapacitive Properties, Bhagwan, Jai; Sahoo, Asit;



	Yadav, Kanhaiya Lal; et al., ELECTROCHIMICA ACTA Volume: 174 Pages: 992-1001 Published: AUG 20 2015
122	Localized surface plasmon induced enhancement of electron-hole generation with silver metal island at n-Al:ZnO/p-Cu₂O heterojunction , Kaur, Gurpreet; Yadav, K. L.; Mitra, Anirban; APPLIED PHYSICS LETTERS Volume: 107 Issue: 5 Article Number: 053901 Published: AUG 3 2015
121	Ion implantation induced phase transformation and enhanced crystallinity of as deposited copper oxide thin films by pulsed laser deposition , Bind, Umesh Chandra; Dutta, Raj Kumar; Sekhon, Gurpreet Kaur; Yadav K L, et al., SUPERLATTICES AND MICROSTRUCTURES Volume: 84 Pages: 24-35 Published: AUG 2015
120	Development of Ba_{0.95}Sr_{0.05}(Fe_{0.5}Nb_{0.5})O₃/poly(vinylidene fluoride) nanocomposites for energy storage , Patel, Piyush Kumar; Yadav, K. L.; Dutta, Shankar, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS Volume: 26 Issue: 6 Pages: 4165-4171 Published: JUN 2015
119	Structural, Dielectric, Ferroelectric and Magnetic Properties of (x) CoFe₂O₄-(1-x) BaTiO₃ Composite , Manjusha; Rawat, Meera; Yadav, K. L.; IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION Volume: 22 Issue: 3 Pages: 1462-1469 Published: JUN 2015
118	Enhanced magnetization with unusual low temperature magnetic ordering behaviour and spin reorientation in holmium-modified multiferroic BiFeO₃ perovskite ceramics , Singh, Hemant; Yadav, K. L., JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 48 Issue: 20 Article Number: 205001 Published: MAY 29 2015
117	Electrical, magnetic and magnetodielectric properties in ferrite-ferroelectric particulate composites , Rawat, Meera; Yadav, K. L., SMART MATERIALS AND STRUCTURES Volume: 24 Issue: 4 Article Number: 045041 Published: APR 2015
116	BiFeO₃-CoFe₂O₄-PbTiO₃ composites: structural, multiferroic, and optical characteristics , Adhlakha, Nidhi; Yadav, K. L.; Singh, Ripandeep, JOURNAL OF MATERIALS SCIENCE Volume: 50 Issue: 5 Pages: 2073-2084 Published: MAR 2015
115	A novel one-pot synthesis of hierarchical europium doped ZnO nanoflowers ; Panwar, Amit; Yadav, K. L., MATERIALS LETTERS Volume: 142 Pages: 30-34 Published: MAR 1 2015
114	Synthesis and Thermal, Structural, Dielectric, Magnetic and Magnetoelectric Studies of BiFeO₃-MgFe₂O₄ Nanocomposites , Singh, Hemant; Yadav, Kanhaiya Lal, JOURNAL OF THE AMERICAN CERAMIC SOCIETY Volume: 98 Issue: 2 Pages: 574-79, FEB 2015
113	Pulsed laser deposited Al-doped ZnO thin films for optical applications , Kaur, Gurpreet; Mitra, Anirban; Yadav, K. L., PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL Volume: 25 Issue: 1 Pages: 12-21 Published: FEB 2015
112	Dielectric and magnetic properties of xCoFe₂O₄-(1-x)[0.5Ba(Zr_{0.2}Ti_{0.8})O₃-0.5(Ba_{0.7}Ca_{0.3})TiO₃] composites , Rani, Jyoti; Yadav, K. L.; Prakash, Satya, MATERIALS RESEARCH BULLETIN Volume: 60 Pages: 367-375 Published: DEC 2014
111	Compositional effects on structural, dielectric, ferroelectric and transport properties of Ba_{1-x}(Bi_{0.5}Li_{0.5})(x)TiO₃ ceramics , Rawat, Meera; Yadav, K. L., MATERIALS CHEMISTRY AND PHYSICS Volume: 148 Issue: 3 Pages: 655-663 Published: DEC 15 2014
110	Structural, dielectric and optical properties of sol-gel synthesized 0.55Ba(Zr_{0.2}Ti_{0.8})O₃-0.45(Ba_{0.7}Ca_{0.3})TiO₃ ceramic , Rani, Jyoti; Yadav, K. L.; Prakash, Satya, APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 117 Issue: 3 Pages: 1131-1137 Published: NOV 2014
109	Study of barrier layer capacitance effect in lead free Ba_{0.95}Sr_{0.05}(Fe_{0.5}Nb_{0.5})O₃-BaZr_{0.1}Ti_{0.9}O₃ ceramics , Patel, Piyush Kumar; Yadav, K. L. PHYSICA B-CONDENSED MATTER Volume: 452 Pages: 136-141 Published: NOV 1 2014
108	Effect of BaTiO₃ addition on structural, multiferroic and magneto-dielectric properties of



	0.3CoFe ₂ O ₄ -0.7BiFeO ₃ ceramics, Adhlakha, Nidhi; Yadav, K. L.; Singh, Ripandeep, SMART MATERIALS AND STRUCTURES, Volume: 23 Issue: 10 Article Number: 105024, OCT 2014
107	Study of Dielectric, Magnetic and Magnetoelectric Behavior of (x)NZF-(1-x)PLSZT Multiferroic Composites , Adhlakha, Nidhi; Yadav, K. L., IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION Volume: 21 Issue: 5 Pages: 2055-2061 Published: OCT 2014
106	Enhanced magnetodielectric effect and optical property of lead-free multiferroic (1-x)(Bi_{0.5}Na_{0.5})TiO₃/xCoFe(2)O(4) composites , Rani, Jyoti; Yadav, K. L.; Prakash, Satya MATERIALS CHEMISTRY AND PHYSICS Volume: 147 Issue: 3 Pages: 1183-1190 Published: OCT 15 2014
105	Study on multicaloric effect of CuO induced multiferroic , Kumar, Amit; Yadav, K. L., JOURNAL OF APPLIED PHYSICS, Volume: 116 Issue: 8 Article Number: 083907, Published: AUG 28 2014
104	Dielectric, ferroelectric and magnetoelectric response in Ba-0.92(Bi_{0.5}Na_{0.5})(0.08)TiO₃-Ni-0.65 Zn_{0.35}Fe₂O₄ composite ceramics ; Rawat, Meera; Yadav, K. L.; SMART MATERIALS AND STRUCTURES; Volume: 23 Issue: 8 Article Number: 085032 Published: AUG 2014
103	Structural, dielectric, magnetic, and optical properties of Ni_{0.75}Zn_{0.25}Fe₂O₄-BiFeO₃ composites , Adhlakha, Nidhi; Yadav, K. L., JOURNAL OF MATERIALS SCIENCE Volume: 49 Issue: 13 Pages: 4423-4438 Published: JUL 2014
102	Effect of yttrium on microstructure, dielectric, ferroelectric and optical properties of BaZr_{0.10}Ti_{0.90}O₃ nanoceramics ; Patel, Piyush Kumar; Yadav, K. L.; PHYSICA B-CONDENSED MATTER Volume: 442 Pages: 39-43 Published: JUN 1 2014
101	Study of structural, electrical, magnetic and optical properties of 0.65BaTiO(3)-0.35Bi(0.5)Na(0.5)TiO(3)-BiFeO₃ multiferroic composite , Rawat, Meera; Yadav, K. L. JOURNAL OF ALLOYS AND COMPOUNDS Volume: 597 Pages: 188-199, JUN 5 2014
100	Mo₆+ Modified (K_{0.5}Na_{0.5})NbO₃ Lead Free Ceramics: Structural, Electrical and Optical Properties ; Rani, Jyoti; Patel, Piyush Kumar; Adhlakha, Nidhi; Yadav KL et al.; JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY Volume: 30 Issue: 5 Pages: 459-465 Published: MAY 2014
99	Origin of giant dielectric constant and magnetodielectric study in Ba(Fe_{0.5}Nb_{0.5})O-3 nanoceramics , Patel, Piyush Kumar; Yadav, K. L.; Singh, Harishchandra; et al., JOURNAL OF ALLOYS AND COMPOUNDS Volume: 591 Pages: 224-229 Published: APR 5 2014
98	Multiferroic Properties of (Bi_{0.9}Gd_{0.1}FeO)(1-x)(BaTiO₃)(x) Ceramics , Uniyal, Poonam; Lotey, Gurmeet Singh; Gautam, Anamol; et al., JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, Vol: 27 (2) 569-574, FEB 2014
97	Synthesis and study of structural, dielectric, magnetic and magnetoelectric characterization of BiFeO₃-NiFe₂O₄ nanocomposites prepared by chemical solution method ; Singh, Hemant; Yadav, K. L., JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 585 Pages: 805-810 Published: FEB 5 2014
96	Reduced dielectric loss in Ba_{0.95}Sr_{0.05}(Fe_{0.5}Nb_{0.5})O-3 thin film grown by pulsed laser deposition ; Patel, Piyush Kumar; Yadav, K. L.; Kaur, Gurpreet; RSC ADVANCES Volume: 4 Issue: 53 Pages: 28056-28061 Published: 2014
95	Enhanced dielectric, ferroelectric and optical properties of lead free (K_{0.17}Na_{0.83})NbO₃ ceramic with WO₃ addition , Rani, Jyoti; Yadav, K. L.; Prakash, Satya, MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, Volume: 178 Issue: 20 Pages: 1469-1475 Published: DEC 1 2013
94	Analysis of static and dynamic performance of organic inverter circuits based on dual and single gate organic thin film transistors , Goswami, Vidhi; Kumar, Brijesh; Kaushik, Brajesh Kumar; Yadav KL, Negi YS, IET CIRCUITS DEVICES &



	SYSTEMS Volume: 7 Issue: 6 Pages: 345-351 Published: NOV 2013
93	Implications of La and Y Codoping on Structural, Multiferroic, Magnetoelectric and Optical Properties of BiFeO₃ , Adhlakha, Nidhi; Yadav, K. L.; Singh, Ripandeep SCIENCE OF ADVANCED MATERIALS, Volume: 5 Issue: 8 Pages: 947-959 Published: AUG 2013
92	Study of Barrier Layer Effect in Sr Doped Barium Iron Niobate Ceramics , Patel, Piyush Kumar; Yadav, K. L., SCIENCE OF ADVANCED MATERIALS; Volume: 5 Issue: 7 Pages: 891-895 Published: JUL 2013
91	Structural, dielectric and ferroelectric properties of Ba_{1-x}(Bi_{0.5}Na_{0.5})(x)TiO₃ ceramics , Rawat, Meera; Yadav, K. L., CERAMICS INTERNATIONAL, Volume: 39 Issue: 4 Pages: 3627-3633 DOI: 10.1016/j.ceramint.2012.10.191 Published: MAY 2013
90	Structural, magnetic and optical properties of Bi_{1-x}DyxFeO₃ nanoparticles synthesized by sol-gel method , Arora, Manisha; Sati, P. C.; Chauhan, Sunil; et al.; MATERIALS LETTERS Volume: 96 Pages: 71-73 DOI: 10.1016/j.matlet.2012.12.114 Published: APR 1 2013
89	Giant dielectric permittivity and room temperature magnetodielectric study of BaTi_{0.2}(Fe_{0.5}Nb_{0.5})(0.8)O₃ nanoceramic , Patel, Piyush Kumar; Yadav, K. L.; MATERIALS RESEARCH BULLETIN Volume: 48 Issue: 4 Pages: 1435-1438 DOI: 10.1016/j.materresbull.2012.12.041 Published: APR 2013
88	Enhanced dielectric properties of doped barium titanate ceramics , Patel, Piyush Kumar; Rani, Jyoti; Adhlakha, Nidhi; et al.; JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 74 Issue: 4 Pages: 545-549 DOI: 10.1016/j.jpics.2012.11.017 Published: APR 2013
87	Enhanced magnetodielectric properties of single-phase Bi_{0.95-x}La_{0.05}LuxFeO₃ multiferroic system , Kumar, Amit; Yadav, K. L., JOURNAL OF ALLOYS AND COMPOUNDS Volume: 554 Pages: 138-141 DOI: 10.1016/j.jallcom.2012.11.189 Published: MAR 25 2013
86	Title: Enhanced magnetoelectric sensitivity in Co_{0.7}Zn_{0.3}Fe₂O₄-Bi_{0.9}La_{0.1}FeO₃ nanocomposites , Kumar, Amit; Yadav, K. L.; MATERIALS RESEARCH BULLETIN Volume: 48 Issue: 3 Pages: 1312-1315 DOI: 10.1016/j.materresbull.2012.11.072 Published: MAR 2013