

Title of paper	Name of the author/s	Department of	Name of journal	Year of publication	ISBN/ISSN number
Numerical simulation of fluidized dense-phase pneumatic conveying of powders to develop improved model for solids friction factor	Kaur B., Mittal A., Mallick S.S., Pan R., Jana S.	School of Physics and Materials Science, Thapar University, Patiala, Punjab, India;	Particuology	2017	ISSN: 1674-2001
Effect of momentum dependent interactions and nucleonic cross-section on directed flow (v1)	Jain A., Vinayak K.S., Kumar S.	SPMS	Annals of Physics	2013	0003-4916
Williamson-Hall study on synthesized nanocrystalline tungsten carbide (WC)	Singla G., Singh K., Pandey O.P.	SPMS	Applied Physics A: Materials Science and Processing	2013	1432-0630
Single step synthesis of tungsten carbide (WC) nanoparticles from scheelite ore	Singh H., Pandey O.P.	SPMS	Ceramics International	2013	0272-8844
Dielectric, ferroelectric, magnetic and magnetoelectric properties of 0.1Ni0.8Zn0.2Fe2O4-0.9Pb 1-3x/2SmxZr0.65Ti0.35O3 magnetoelectric composites	Rani R., Juneja J.K., Singh S., Raina K.K., Prakash C.	SPMS	Ceramics International	2013	0272-8848
Structural and dielectric properties of Bi1-xSrxMnO3	Thakur S., Pandey O.P., Singh K.	SPMS	Ceramics International	2013	0272-8849
Effect of dual reinforced ceramic particles on high temperature tribological properties of aluminum composites	Kumar S., Panwar R.S., Pandey O.P.	SPMS	Ceramics International	2013	0272-8851
Dielectric properties of Ti substituted Bi2-xTixO3+x/2 ceramics	Singla G., Singh K.	SPMS	Ceramics International	2013	0272-8852
Direct synthesis of nanocrystalline tungsten carbide from scheelite ore by	Singh H., Pandey O.P.	SPMS	Ceramics International	2013	0272-8853

Magnetolectric coupling in multiferroic BiFeO <sub>3</sub> nanowires	Lotey G.S., Verma N.K.	SPMS	Chemical Physics Letters	2013	0009-2614
Gd-doped BiFeO <sub>3</sub> nanoparticles - A novel material for highly efficient dye-sensitized solar	Lotey G.S., Verma N.K.	SPMS	Chemical Physics Letters	2013	0009-2614
Structural, thermal and electrical study of Ca <sup>2+</sup> , Sr <sup>2+</sup> Substituted BiFeO <sub>3</sub> for IT-SOFC	Thakur S., Pandey O.P., Singh K.	SPMS	ECS Transactions	2013	1938-5862
An application of PCA and fuzzy C-means to delineate management zones and	Bansod B.S., Pandey O.P.	SPMS	Eurasian Soil Science	2013	1556-195X
Strange mass corrections to hyperonic semi-leptonic decays in statistical model	Upadhyay A., Batra M.	SPMS	European Physical Journal A	2013	1434-601X
Detailed balance and spin content of $\lambda$ using statistical	Batra M., Upadhyay A.	SPMS	International Journal of	2013	1793-656X
Electro-optical studies in a ferroelectric liquid crystal	Singh R., Raina K.K.	SPMS	International Journal of	2013	1793-6578
Nuclear reaction cross-section for drip-line nuclei in the framework of glauber model using relativistic and	Sharma M.K., Mehta M.S., Patra S.K.	SPMS	International Journal of Modern Physics E	2013	1793-6608
Single step synthesis of nano vanadium carbide - V <sub>8</sub> C <sub>7</sub> phase	Mahajan M., Singh K., Pandey O.P.	SPMS	International Journal of Refractory	2013	0263-4368
Size-dependent magnetic properties of calcium ferrite nanoparticles	Khanna L., Verma N.K.	SPMS	Journal of Magnetism and Magnetic	2013	0304-8853
Study of 0.1Ni 0.8Zn 0.2Fe 2O 4-0.9Pb 1-3x/2La xZr 0.65Ti 0.35O 3 magnetolectric composites	Rani R., Juneja J.K., Singh S., Raina K.K., Prakash C.	SPMS	Journal of Magnetism and Magnetic	2013	0304-8853
Structural, electrical, magnetic and magnetolectric properties of composites	Rani R., Juneja J.K., Singh S., Prakash C., Raina K.K.	SPMS	Journal of Magnetism and Magnetic	2013	0304-8853
Effect of particle size on wear of particulate reinforced aluminum alloy composites at elevated temperatures	Kumar S., Pandey R., Panwar R.S., Pandey O.P.	SPMS	Journal of Materials Engineering and Performance	2013	1059-9495
High temperature sliding wear of spray-formed solid-lubricated aluminum matrix composites	Kaur K., Pandey O.P.	SPMS	Journal of Materials Engineering and	2013	1059-9495
Study of wear behavior of Zircon sand-reinforced LM13 alloy composites at elevated temperatures	Panwar R.S., Pandey O.P.	SPMS	Journal of Materials Engineering and Performance	2013	1059-9495

Study on reflectivity and photostability of Al-doped TiO <sub>2</sub> nanoparticles and their	Kumar S., Verma N.K., Singla M.L.	SPMS	Journal of Materials Research	2013	2044-5326
Study on CaCO <sub>3</sub> -coated ZnO nanoparticles based dye sensitized solar cell	Kaur M., Verma N.K.	SPMS	Journal of Materials Science:	2013	1573-482X
Ferromagnetism in Fe-doped CdSe nanorods prepared by solvothermal route	Singh J., Verma N.K.	SPMS	Journal of Materials Science:	2013	1573-482X
Size-dependent magnetic and dielectric properties of Tb-doped BiFeO <sub>3</sub> nanoparticles	Dhir G., Lotey G.S., Uniyal P., Verma N.K.	SPMS	Journal of Materials Science:	2013	1573-482X
Magnetodielectric properties of rare earth metal-doped BiFeO <sub>3</sub> nanoparticles	Lotey G.S., Verma N.K.	SPMS	Journal of Materials Science:	2013	1573-482X
Performance of Eu <sub>2</sub> O <sub>3</sub> coated ZnO nanoparticles-based DSSC	Kaur M., Verma N.K.	SPMS	Journal of Materials Science:	2013	1573-482X
Room temperature ferromagnetism in Tb-doped ZnO dilute magnetic	Lotey G.S., Singh J., Verma N.K.	SPMS	Journal of Materials Science:	2013	1573-482X
Structural and optical properties of Eu <sub>2</sub> O <sub>3</sub> coated TiO <sub>2</sub> nanoparticles and their application for dye sensitized	Kaur M., Verma N.K.	SPMS	Journal of Materials Science: Materials in	2013	1573-482X
Influence of ZnO nanoparticle concentration on electro-optic and dielectric properties of ferroelectric liquid crystal	Chaudhary A., Malik P., Mehra R., Raina K.K.	SPMS	Journal of Molecular Liquids	2013	0167-7322
Gamma ray irradiation effects on the optical properties of BaO-Na <sub>2</sub> O-B <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glasses	Kaur R., Singh S., Pandey O.P.	SPMS	Journal of Molecular Structure	2013	0022-2860
Absorption spectroscopic studies on gamma irradiated bismuth borosilicate glasses	Kaur R., Singh S., Pandey O.P.	SPMS	Journal of Molecular Structure	2013	0022-2860
Influence of CdO and gamma irradiation on the infrared absorption spectra of borosilicate glass	Kaur R., Singh S., Pandey O.P.	SPMS	Journal of Molecular Structure	2013	0022-2860
Erratum: Gamma ray irradiation effects on the optical properties of BaO-Na <sub>2</sub> O-B <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glasses (Journal of Molecular Structure (2013) 1048C (78-82))	Kaur R., Singh S., Pandey O.P.	SPMS	Journal of Molecular Structure	2013	0022-2860
Multiferroic properties of Tb-doped BiFeO <sub>3</sub> nanowires	Lotey G.S., Verma N.K.	SPMS	Journal of Nanoparticle Research	2013	1388-0764

Folic acid conjugated magnetic drug delivery system for controlled release of	Andhariya N., Upadhyay R., Mehta R.,	SPMS	Journal of Nanoparticle Research	2013	1388- 0764
Effect of pH on photocatalytic activity of capped ZnS nanoparticles	Kaur J., Sharma M., Pandey O.P.	SPMS	Journal of Nanoscience and	2013	1533- 4899
Structural and thermal properties of Na <sub>2</sub> S-P <sub>2</sub> S <sub>5</sub> glass	Jha P.K., Pandey O.P., Singh K.	SPMS	Journal of Non- Crystalline	2013	0022- 3093
Simulation of thermal stress within diffusion couple of composite seals with Crofer 22APU for solid oxide fuel cells	Kaur G., Homa D., Singh K., Pandey O.P., Scott B., Pickrell G.	SPMS	Journal of Power Sources	2013	0378- 7753
Structural and thermal properties of glass composite seals and their chemical compatibility with Crofer 22APU for solid oxide fuel cells	Kaur G., Singh K., Pandey O.P., Homa D., Scott B., Pickrell G.	SPMS	Journal of Power Sources	2013	0378- 7753
A comparison of modifications induced by Li <sup>3+</sup> and Ag <sup>14+</sup> Ion beam in spectroscopic properties of bismuth aluminoborosilicate glass thin films	Kaur R., Singh S., Pandey O.P.	SPMS	Journal of Spectroscopy	2013	2314- 4939
Structural, electrical and magnetic properties of microwave processed	Rani R., Singh S., Raina K.K., Prakash C.	SPMS	Key Engineering Materials	2013	1662- 9795
Effect of transition metal salt additive on the structural packing and thermal stability of the non-aqueous lyotropic	Shukla R.K., Raina K.K.	SPMS	Liquid Crystals	2013	1366- 5855
Structural, optical and magnetic properties of cobalt-doped CdS dilute magnetic semiconducting nanorods	Kaur K., Lotey G.S., Verma N.K.	SPMS	Materials Chemistry and Physics	2013	0254- 0584
Diffuse reflectance and reflective flexible coatings of capped ZnS nanoparticles	Kumar S., Verma N.K., Singla M.L.	SPMS	Materials Chemistry and Physics	2013	0254- 0584
Unusual near-band-edge photoluminescence at room temperature in heavily-doped ZnO:Al thin films prepared by pulsed laser deposition	Mohanty B.C., Yeon D.H., Das S.N., Kwak J.H., Yoon K.H., Cho Y.S.	SPMS	Materials Chemistry and Physics	2013	0254- 0584
Magnetoelectric coupling in multiferroic Tb-doped BiFeO <sub>3</sub> nanoparticles	Lotey G.S., Verma N.K.	SPMS	Materials Letters	2013	0167- 577X
Reduction of WO <sub>3</sub> to WC nanoparticles by the reflux	Kumar R., Kumar A., Singh S., Pandey	SPMS	Materials Science	2013	1573- 885X

Silica/potassium ferrite nanocomposite: Structural, morphological, magnetic, thermal and in vitro cytotoxicity analysis	Khanna L., Verma N.K.	SPMS	Materials Science and Engineering B: Solid-State Materials for	2013	0921-5107
Structural and photoluminescence properties of Eu-doped ZnS nanoparticles	Singh Lotey G., Jindal Z., Singhi V., Verma N.K.	SPMS	Materials Science in Semiconductor	2013	1369-8001
Synthesis, characterization and in vitro cytotoxicity study of calcium ferrite nanoparticles	Khanna L., Verma N.K.	SPMS	Materials Science in Semiconductor	2013	1369-8001
Performance of dye-sensitized solar cell fabricated using titania nanoparticles calcined at different temperatures	Manveen K., Verma N.K.	SPMS	Materials Science- Poland	2013	2083-134X
Wear behavior at high temperature of dual-particle size zircon-sand-reinforced aluminum alloy composite	Kumar S., Panwar R.S., Pandey O.P.	SPMS	Metallurgical and Materials Transactions A: Physical Metallurgy and Materials	2013	1073-5623
A novel approach for direct synthesis of nanocrystalline tungsten carbide from milled scheelite ore	Singh H., Pandey O.P.	SPMS	Metallurgical and Materials Transactions B: Process Metallurgy and Materials	2013	1073-5615
Modifications induced in the structural and optical properties of bismuth sodium borosilicate glass thin films by 120 MeV Ag <sup>7+</sup> ions	Kaur R., Singh S., Pandey O.P.	SPMS	Nuclear Instruments and Methods in Physics Research, Section B: Beam	2013	0168-9002
Formation and decay cross sections of <sup>66</sup> As* formed in an exotic proton-halo <sup>8</sup> B induced	Kaur G., Jain D., Kumar R., Sharma M.K.	SPMS	Nuclear Physics A	2013	0375-9474
Effect of deformation and orientation on interaction barrier and fusion cross-sections using various proximity	Jain D., Kumar R., Sharma M.K.	SPMS	Nuclear Physics A	2013	0375-9474
Nickel nanoparticles doped ferroelectric liquid crystal composites	Neeraj, Raina K.K.	SPMS	Optical Materials	2013	0925-3467
Observation of memory behaviour in cadmium sulphide nanorods doped ferroelectric liquid crystal mixture	Chaudhary A., Malik P., Mehra R., Raina K.K.	SPMS	Phase Transitions	2013	1029-0338

Study on structural, dielectric, ferroelectric and piezoelectric properties of Ba doped Lead Zirconate Titanate Ceramics	Dipti, Juneja J.K., Singh S., Raina K.K., Prakash C.	SPMS	Physica B: Condensed Matter	2013	0921-4526
Structural and optical properties of melt quenched barium doped bismuth vanadate	Gupta S., Singh K.	SPMS	Physica B: Condensed Matter	2013	0921-4526
PEG/CaFe <sub>2</sub> O <sub>4</sub> nanocomposite: Structural, morphological, magnetic and thermal analyses	Khanna L., Verma N.K.	SPMS	Physica B: Condensed Matter	2013	0921-4526
Effect of Sm on dielectric, ferroelectric and piezoelectric properties of BPTNZ system	Kumar P., Juneja J.K., Prakash C., Raina K.K., Singh S.	SPMS	Physica B: Condensed Matter	2013	0921-4526
On the fragment mass independence of balance energy	Jain A., Kumar S.	SPMS	Physica Scripta	2013	1402-4896
Dependence of the energy of vanishing flow on different components of the nuclear potential	Kaur M., Kaur V., Kumar S.	SPMS	Physical Review C - Nuclear Physics	2013	2469-9993
Theoretical study of odd-mass Fr isotopes using the collective clusterization approach of the dynamical cluster-decay model	Sawhney G., Kaur G., Sharma M.K., Gupta R.K.	SPMS	Physical Review C - Nuclear Physics	2013	2469-9993
One-neutron and noncompound-nucleus decay contributions in the <sup>12</sup> C+ <sup>93</sup> Nb reaction at energies near and below the	Chopra S., Bansal M., Sharma M.K., Gupta R.K.	SPMS	Physical Review C - Nuclear Physics	2013	2469-9993
Fusion-evaporation residues and $\alpha$ -decay chains of the superheavy element Z=115 formed in the <sup>243</sup> Am + <sup>48</sup> Ca reaction using the dynamical	Kumar R., Sandhu K., Sharma M.K., Gupta R.K.	SPMS	Physical Review C - Nuclear Physics	2013	2469-9993
Reaction dynamics of Pt* isotopes formed using stable and radioactive Sn beams	Jain D., Kumar R., Sharma M.K.	SPMS	Physical Review C - Nuclear Physics	2013	2469-9993
Nuclear reaction cross sections from a simple effective density using a Glauber model	Sharma M.K., Patra S.K.	SPMS	Physical Review C - Nuclear Physics	2013	2469-9993
Decay of <sup>150,158</sup> Tb* nuclear systems formed in reactions induced by loosely bound <sup>6</sup> Li	Kaur G., Sharma M.K.	SPMS	Physical Review C - Nuclear Physics	2013	2469-9993
Optimizing the rapidity limit for nuclear stopping in intermediate energy heavy-ion	Vinayak K.S., Kumar S.	SPMS	Physics of Atomic Nuclei	2013	1562-692X
Assessment of multifragmentation under the effect of symmetry energy	Bansal R., Kumar S.	SPMS	Physics of Particles and Nuclei Letters	2013	1531-8567

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Effect of voltage sweep direction on the performance evaluation of P3HT: PCBM solar cells	Kumar P., Sharma A., Singh D.P.	SPMS	Progress in Photovoltaics: Research and Applications	2013	1099-159X
Effect of swift heavy ions on structural and optical properties of bismuth based aluminoborosilicate glasses	Kaur R., Singh S., Singh K., Pandey O.P.	SPMS	Radiation Physics and Chemistry	2013	0969-806X
A growth kinetic study of ultrafine monodispersed silver	Chandni, Andhariya N., Pandey O.P.,	SPMS	RSC Advances	2013	2046-2069
Multiferroism in rare earth metals-doped BiFeO <sub>3</sub> nanowires	Lotey G.S., Verma N.K.	SPMS	Superlattices and	2013	0749-6036
Phase-dependent multiferroism in Dy-doped BiFeO <sub>3</sub> nanowires	Lotey G.S., Verma N.K.	SPMS	Superlattices and	2013	0749-6036
Microstructural analysis of glass-steel interface	Kaur B., Singh K., Pandey O.P.	SPMS	Surface and Coatings	2013	0257-8972
Corrosion study of SiO <sub>2</sub> -CaO-Al <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> O-TiO <sub>2</sub> glass coating	Kaur B., Singh K., Pandey O.P.	SPMS	Surface Engineering	2013	1743-2944
Lateral grain size effect on exchange bias in polycrystalline NiFe/FeMn bilayer films	Hsu J.-H., Sun A.-C., Sharma P.	SPMS	Thin Solid Films	2013	0040-6090
Study of the Structural and Electrical Behaviour of Ca Doped LaInO <sub>3</sub> Electrolyte	Sood K., Singh K., Pandey O.P.	SPMS	Transactions of the Indian Ceramic Society	2013	2165-5456
Na <sub>2</sub> S-P <sub>2</sub> S <sub>5</sub> Based Super-Ionic Glasses for Solid Electrolytes	Kumar Jha P., Pandey O.P., Singh K.	SPMS	Transactions of the Indian Ceramic Society	2013	2165-5456
Chemo-responsive, self-oscillating gels that undergo biomimetic communication	O. Kuksenok, P. Dayal, A. Bhattacharya, V. V. Yashin, Debabrata	SPMS	Chem. Soc. Rev.	2013	1460-4744
In situ magnetic field-assisted low temperature atmospheric growth of gan nanowires via the vapor-liquid-solid mechanism	Kim J.S., Mohanty B.C., Han C.S., Han S.J., Ha G.H., Lin L., Cho Y.S.	SPMS	ACS Applied Materials and Interfaces	2014	1944-8252
Analyzing the role of fragment charge on nuclear stopping for symmetric colliding nuclei	Jain A., Sahil T., Kumar S.	SPMS	Acta Physica Polonica B	2014	1509-5770
Multiferroic properties of 0.05 NZF-0.95 Ba <sub>0.9-3x</sub> /2Sr <sub>0.1Lax</sub> TiO <sub>3</sub>	Rani R., Juneja J.K., Singh S., Raina K.K., Prakash C.	SPMS	Advanced Materials Letters	2014	0976-3961
Enhanced efficiency of au-deposited BiFeO <sub>3</sub> nanoparticles based dye-sensitized solar cells	Verma N.K., Kaur I., Kaur K., Lotey G.S.	SPMS	Advanced Materials Research	2014	1662-8985

Importance of Nonperturbative QCD Parameters for Bottom	Upadhyay A., Batra M.	SPMS	Advances in High Energy	2014	1687-7365
Eta prime gluonic contribution to the nucleon self-energy in an effective theory	Upadhyay A., Singh J.P.	SPMS	Advances in High Energy Physics	2014	1687-7365
Photocatalytic degradation of azo dyes using Zn-doped and undoped TiO <sub>2</sub> nanoparticles	Singla P., Sharma M., Pandey O.P., Singh K.	SPMS	Applied Physics A: Materials Science and	2014	1432-0630
RF power dependence of refractive index of room temperature sputtered ZnO:Al	Mohanty B.C., Yeon D.H., Yun J.H., Cho J.S., Cho Y.S.	SPMS	Applied Physics A: Materials Science and	2014	1432-0630
Decay Mechanism of <sup>290,292</sup> 114* Superheavy Nuclei Formed in <sup>48</sup> Ca-Induced	Sandhu K., Sharma M.K.	SPMS	Brazilian Journal of Physics	2014	1678-4448
Study of Reaction Cross Section of Light Mass Nuclei Using Glauber Formalisms	Sharma M.K., Panda R.N., Sharma M.K., Patra	SPMS	Brazilian Journal of Physics	2014	1678-4448
Optical, mechanical and TEM assessment of titania-doped Bi <sub>2</sub> V <sub>1-x</sub> Ti <sub>x</sub> O <sub>5-δ</sub> bismuth vanadate oxides	Kaur G., Pickrell G., Kumar V., Pandey O.P., Singh K., Homa D.	SPMS	Bulletin of Materials Science	2014	0973-7669
Structural, optical and magnetic properties of cobalt-doped CdSe nanoparticles	Singh J., Verma N.K.	SPMS	Bulletin of Materials Science	2014	0973-7669
Synthesis, characterization, photocatalytic and reusability studies of capped ZnS	Kaur J., Sharma M., Pandey O.P.	SPMS	Bulletin of Materials Science	2014	0973-7669
Structural and thermal analysis of in situ synthesized C-WC nanocomposites	Singla G., Singh K., Pandey O.P.	SPMS	Ceramics International	2014	0272-8854
Structural and optical properties of quenched and heat-treated Bi <sub>4</sub> V <sub>2-x</sub> Mg <sub>x</sub> O <sub>11-δ</sub> (0.0 ≤ x ≤ 0.20)	Gupta S., Singh K.	SPMS	Ceramics International	2014	0272-8855
High DC resistivity in microwave sintered Li <sub>0.49</sub> Zn <sub>0.02</sub> Mn <sub>0.06</sub> Fe <sub>2.43</sub> O <sub>4</sub> ferrites	Kumar P., Juneja J.K., Prakash C., Singh S., Shukla	SPMS	Ceramics International	2014	0272-8856
Antibacterial activities of silver nanoparticles and antibiotic-adsorbed silver nanoparticles against biorecycling microbes	Khurana C., Vala A.K., Andhariya N., Pandey O.P., Chudasama B.	SPMS	Environmental Sciences: Processes and Impacts	2014	2050-7895
Effect of TiO <sub>2</sub> on the photocatalytic properties of bismuth oxide	Singla G., Singh K.	SPMS	Environmental Technology (United)	2014	1479-487X
Systematic analysis of hot Yb* isotopes using the energy density formalism	Jain D., Sharma M.K., Rajni, Kumar R., Gupta R.K.	SPMS	European Physical Journal A	2014	1434-601X



Dynamics of $58\text{Ni} + 54\text{Fe} \rightarrow 112\text{Xe}^*$ reaction across the	Kaur M., Sharma M.K.	SPMS	European Physical Journal	2014	1434-601X
Role of nuclear deformations and proximity interactions in heavy particle radioactivity	Sawhney G., Sandhu K., Sharma M.K., Gupta R.K.	SPMS	European Physical Journal A	2014	1434-601X
Interaction study of yttria-based glasses with high-temperature electrolyte for SOFC	Kumar V., Pandey O.P., Singh K., Lu K.	SPMS	Fuel Cells	2014	1615-6854
Fabrication of L11 Phase CoPt Film on Glass Substrate with [Co/Pt] Multilayer Structure	Huang C.-F., Sun A.-C., Wu H.-Y., Yuan F.-T., Hsu J.-H., Hsiao S.-N., Lee H.-	SPMS	IEEE Transactions on Magnetics	2014	0018-9464
Electrical and magnetic properties of multiferroic (1-x) BiFeO <sub>3</sub> -x CoFe <sub>2</sub> O <sub>4</sub> nanocomposite thin films	Tyagi M., Kumari M., Chatterjee R., Sun A.-C., Sharma P.	SPMS	IEEE Transactions on Magnetics	2014	0018-9464
Structure and magnetic properties of Ba <sub>1-x</sub> La <sub>x</sub> Fe <sub>12</sub> O <sub>19</sub> Prepared by Ba <sub>1-x</sub> La <sub>x</sub> Fe <sub>20</sub> O <sub>4</sub>	Verma S., Sharma P., Pandey O.P., Paesano Jr. A., Sun	SPMS	IEEE Transactions on Magnetics	2014	0018-9464
Effect of controlled doping on electrical properties and permittivity of PTSA doped polyanilines and their EMI shielding performance	Saini P., Arora M., Arya S.K., Tawale J.S.	SPMS	Indian Journal of Pure and Applied Physics	2014	0975-1041
Estimation of volume dependence of Grüneisen parameter for NaCl and $\epsilon$ -Fe	Kumar S., Sharma S.K., Pandey O.P.	SPMS	Indian Journal of Pure and Applied Physics	2014	0975-1041
Electronic microscopic, thermal and electrical properties of Bi <sub>2</sub> V <sub>1-x</sub> Ti <sub>x</sub> O <sub>5.5-<math>\delta</math></sub> (0.05 $\leq$ x $\leq$ 0.20) oxide ion conductors	Kaur G., Pandey O.P., Singh K.	SPMS	Indian Journal of Pure and Applied Physics	2014	0975-1041
Properties of ferroelectric liquid crystal/multiwall carbon nanotube doped composite	Khushboo, Jayoti D., Malik P., Chaudhary A.,	SPMS	Integrated Ferroelectrics	2014	1607-8489
Magnetic-time model at off-season germination	Mahajan T.S., Pandey O.P.	SPMS	International Agrophysics	2014	0236-8722
Self-healing behavior of barium-lanthanum-borosilicate glass and its reactivity with different electrolytes for sofc applications	Kaur G., Pandey O.P., Singh K.	SPMS	International Journal of Applied Ceramic Technology	2014	1744-7402
Effect of Thermal Treatment on Chemical Interaction Between Yttrium Borosilicate Glass Sealants and YSZ for Planar Solid Oxide Fuel Cells	Kumar V., Kaur G., Pandey O.P., Singh K., Lu K.	SPMS	International Journal of Applied Glass Science	2014	2041-1294

Comparative study of 2mol% Li- and Mn-substituted lead-free potassium sodium niobate ceramics	Dahiya A., Thakur O.P., Juneja J.K., Singh S., Dipti	SPMS	International Journal of Minerals, Metallurgy and	2014	1869-103X
Fragment mass identification and related aspects in the decay of $^{40}\text{Ca}^*$ and $^{39}\text{K}^*$ nuclei	Kaur G., Sharma M.K.	SPMS	International Journal of Modern Physics	2014	1793-6608
Isospin effects on pt-differential flow in heavy ion collisions at intermediate energies	Bansal R., Jain A., Kumar S.	SPMS	International Journal of Modern Physics	2014	1793-6608
Analysis of fragment distribution and associated effects in $^{12,13}\text{C}$ induced	Kaur M., Sharma M.K., Sharma M.K.	SPMS	International Journal of Modern Physics	2014	1793-6608
Structural and growth kinetics of in-situ reduced $\text{V}_2\text{O}_5$	Mahajan M., Singh K., Pandey O.P.	SPMS	International Journal of Refractory	2014	0263-4368
Structural and optical properties of La and Gd substituted $\text{Bi}_4 - x\text{MxV}_2\text{O}_{11} - \delta$ ( $0.1 \leq x \leq 0.3$ )	Thakur S., Devi M., Singh K.	SPMS	Ionics	2014	1862-0760
Enhancement in grain and grain boundary resistivity of BPZT ceramics by two stage sintering	Kumar P., Juneja J.K., Prakash C., Singh S., Raina K.K.	SPMS	Journal of Alloys and Compounds	2014	0925-8388
Structural, dielectric and ferroelectric properties of PLZFNT ceramics	Kumar P., Singh P., Juneja J.K., Raina K.K., Pant R.P.,	SPMS	Journal of Alloys and Compounds	2014	0925-8388
A review of bioactive glasses: Their structure, properties, fabrication and apatite	Kaur G., Pandey O.P., Singh K., Homa D., Scott B.,	SPMS	Journal of Biomedical Materials	2014	1552-4965
Antibacterial activity of silver: The role of hydrodynamic particle size at nanoscale	Khurana C., Vala A.K., Andhariya N., Pandey O.P.,	SPMS	Journal of Biomedical Materials	2014	1552-4965
Dielectric, ferroelectric and ferromagnetic properties of $x\text{Ni}0.8\text{Zn}0.2\text{Fe}_2\text{O}_4 - (1-x)\text{Pb}0.99\text{La}0.02\text{Zr}0.65\text{Ti}0.35\text{O}_3$ composites	Rani R., Singh S., Juneja J.K., Raina K.K., Prakash C.	SPMS	Journal of Electroceramics	2014	1573-8663
One Step Synthesis and Growth Mechanism of Carbon Nanotubes	Kumar A., Singh K., Pandey O.P.	SPMS	Journal of Materials Science and	2014	1005-0302
$\text{CaCO}_3/\text{TiO}_2$ nanoparticles based dye sensitized solar cell	Kaur M., Verma N.K.	SPMS	Journal of Materials Science and	2014	1005-0302
Synthesis, Characterization and Biocompatibility of Potassium Ferrite Nanoparticles	Khanna L., Verma N.K.	SPMS	Journal of Materials Science and	2014	1005-0302

Ferromagnetic and weak superparamagnetic like behavior of Ni-doped ZnS nanocrystals synthesized by	Kumar S., Verma N.K.	SPMS	Journal of Materials Science: Materials in	2014	1573-482X
Effect of Ni-doping on optical and magnetic properties of solvothermally synthesized ZnS wurtzite nanorods	Kumar S., Verma N.K.	SPMS	Journal of Materials Science: Materials in	2014	1573-482X
Optical and magnetic properties of Fe-doped CdS dilute magnetic semiconducting nanorods	Kaur K., Lotey G.S., Verma N.K.	SPMS	Journal of Materials Science:	2014	1573-482X
Ferromagnetism in Gd-doped CdS dilute magnetic semiconducting nanorods	Kaur K., Lotey G.S., Verma N.K.	SPMS	Journal of Materials Science:	2014	1573-482X
Enhancement of room temperature ferromagnetism in Cd <sub>1-x</sub> Ni <sub>x</sub> Se nanoparticles	Singh J., Kumar S., Verma N.K.	SPMS	Journal of Materials Science:	2014	1573-482X
Oxygen vacancy induced dielectric relaxation studies in Bi <sub>4-x</sub> La <sub>x</sub> Ti <sub>3</sub> O <sub>12</sub> (x = 0.0, 0.3, 0.7, 1.0) ceramics	Bhardwaj S., Paul J., Chand S., Raina K.K., Kumar R.	SPMS	Journal of Materials Science: Materials in Electronics	2014	1573-482X
Structural and optical properties of Bi <sub>1-x</sub> A <sub>x</sub> FeO <sub>3</sub> (A = Sr, Ca; 0.40 ≤ x ≤ 0.55)	Thakur S., Pandey O.P., Singh K.	SPMS	Journal of Molecular Structure	2014	0022-2860
UV-vis spectroscopic studies of gamma irradiated lead sodium borosilicate glasses	Kaur R., Singh S., Pandey O.P.	SPMS	Journal of Molecular Structure	2014	0022-2860
Photocatalytic studies of crystal violet dye using Mn doped and PVP capped ZnO nanoparticles	Mittal M., Sharma M., Pandey O.P.	SPMS	Journal of Nanoscience and	2014	1533-4899
Effect of in-situ reduction of Fe <sup>3+</sup> on physical, structural and optical properties of calcium sodium silicate glasses and glass	Singh S., Singh K.	SPMS	Journal of Non-Crystalline Solids	2014	0022-3093
Isospin effects on the system mass dependence of nuclear stopping around the energy of vanishing flow	Jain A., Kumar S.	SPMS	Journal of Physics G: Nuclear and Particle Physics	2014	1361-6471
Neutron-halo structure of light nuclei studied with effects of deformations and orientations included	Sawhney G., Sharma M.K., Gupta R.K.	SPMS	Journal of Physics G: Nuclear and Particle Physics	2014	1361-6471
Structural and electrical behavior of Ba-doped LaGaO <sub>3</sub> composite electrolyte	Sood K., Singh K., Pandey O.P.	SPMS	Journal of Renewable and Sustainable	2014	1941-7012

Multiferroic properties of (Bi <sub>0.9</sub> Gd <sub>0.1</sub> FeO) 1-x (BaTiO <sub>3</sub> ) x ceramics	Uniyal P., Lotey G.S., Gautam A., Verma N.K., Yadav K.L.	SPMS	Journal of Superconductivity and Novel Magnetism	2014	1557-1947
Room Temperature Magnetism in Cobalt-Doped ZnS Nanoparticles	Kumar S., Verma N.K.	SPMS	Journal of Superconductivity and Novel Magnetism	2014	1557-1947
Correlation Between Structure and Ferromagnetism in Cobalt-Doped CdSe Nanorods	Singh J., Verma N.K.	SPMS	Journal of Superconductivity and Novel Magnetism	2014	1557-1947
Effect of particle size on magnetic and dielectric properties of nanoscale Dy-doped BiFeO <sub>3</sub>	Dhir G., Uniyal P., Verma N.K.	SPMS	Journal of Superconductivity and Novel Magnetism	2014	1557-1947
Influence of Ca <sup>2+</sup> substitution on thermal, structural, and conductivity behavior of Bi <sub>1-x</sub> CaxFeO <sub>3-y</sub> (0.40 ≤ x ≤ 0.55)	Thakur S., Pandey O.P., Singh K.	SPMS	Journal of Thermal Analysis and Calorimetry	2014	1588-2926
Fast switching response and dielectric behaviour of fullerene/ferroelectric liquid crystal nanocolloids	Shukla R.K., Raina K.K., Haase W.	SPMS	Liquid Crystals	2014	1366-5855
Enhanced ordering in polymer stabilised ferroelectric liquid crystal guest-host composites: evidence by polarised fluorescence spectroscopy	Kumar R., Raina K.K.	SPMS	Liquid Crystals	2014	1366-5855
Effect of solvent polarity on the self-assembly and dielectric dynamics of non-aqueous lyotropic liquid crystalline	Shukla R.K., Raina K.K.	SPMS	Liquid Crystals	2014	1366-5855
Electro-optic and molecular relaxation behaviour of fluoro substituted achiral unsymmetrical four-ring bent-	Paul M.K., Kumar R., Chakraborty N., Raina K.K., Rao N.V.S.	SPMS	Liquid Crystals	2014	1366-5855
Electrically modulated fluorescence in optically active polymer stabilised cholesteric liquid crystal shutter	Kumar R., Raina K.K.	SPMS	Liquid Crystals	2014	1366-5855
Structural and dielectric behaviour of non-aqueous lyotropic mixtures: Influence of amphiphile chain lengths and	Shukla R.K., Raina K.K.	SPMS	Liquid Crystals	2014	1366-5855

Influence of single-wall carbon nanotubes on Langmuir-Blodgett films of ferroelectric liquid crystals as studied by atomic force microscopy	Kaur R., Raina K.K.	SPMS	Liquid Crystals	2014	1366-5855
Effect of dispersion of gold nanoparticles on the optical and electrical properties of discotic liquid crystal	Supreet, Pratibha R., Kumar S., Raina K.K.	SPMS	Liquid Crystals	2014	1366-5855
Biocompatibility and superparamagnetism in novel silica/CaFe <sub>2</sub> O <sub>4</sub> nanocomposite	Khanna L., Verma N.K.	SPMS	Materials Letters	2014	0167-577X
Structural, magnetic, dielectric and magnetodielectric properties of Gd-doped CdS	Kaur K., Lotey G.S., Verma N.K.	SPMS	Materials Science in Semiconductor	2014	1369-8001
Effect of particle size on multiferroism of barium-doped bismuth ferrite nanoparticles	Dhir G., Uniyal P., Verma N.K.	SPMS	Materials Science in Semiconductor	2014	1369-8001
Synthesis and characterization of BiFeO <sub>3</sub> nanowires and their applications in dye-sensitized solar cells	Lotey G.S., Verma N.K.	SPMS	Materials Science in Semiconductor Processing	2014	1369-8001
Effect of Ni-doping concentration on structural, optical and magnetic properties	Singh J., Kumar S., Verma N.K.	SPMS	Materials Science in Semiconductor	2014	1369-8001
A hydrogen gas sensor using a Pt-sputtered MWCNTs/ZnO nanostructure	Dhall S., Sood K., Jaggi N.	SPMS	Measurement Science and Technology	2014	1361-6501
Nuclear structure and reaction properties of Ne, Mg and Si isotopes with RMF densities	Panda R.N., Sharma M.K., Patra S.K.	SPMS	Modern Physics Letters A	2014	1793-6632
Study of various potentials in heavy-ion collisions at intermediate energies	Kaur V., Kaur M., Kumar S.	SPMS	Nuclear Data Sheets	2014	0090-3752
Strange and non-strange sea quark-gluon effects in nucleons	Batra M., Upadhyay A.	SPMS	Nuclear Physics A	2014	0375-9474
Dynamics of Ca <sup>40,48</sup> + <sup>238</sup> U→ <sup>278,286</sup> 112* reactions across the Coulomb barrier using dynamical cluster decay model	Sandhu K., Kaur G., Sharma M.K.	SPMS	Nuclear Physics A	2014	0375-9474
Role of rotational energy and deformations in the dynamics of Li <sup>6</sup> +Zr <sup>90</sup> reaction	Kaur G., Grover N., Sandhu K., Sharma M.K.	SPMS	Nuclear Physics A	2014	0375-9474

Influence of isospin dependent nuclear charge radii on fragmentation in heavy ion collisions	Sangeeta, Jain A., Kumar S.	SPMS	Nuclear Physics A	2014	0375- 9474
Entrance channel effect with stable and radioactive beams using dynamical cluster decay	Kumar R., Jain D.	SPMS	Nuclear Physics A	2014	0375- 9474
Effect of co-doping metal ions (Li+, Na+ and K+) on the structural and photoluminescent properties of nano-sized Y2O3:Eu3+	Kumar D., Sharma M., Pandey O.P.	SPMS	Optical Materials	2014	0925- 3467
Self-trapped elliptical super-Gaussian beam in cubic-quintic media	Jana S., Singh A., Porsezian K., Mithun T.	SPMS	Optics Communication s	2014	0030- 4018
Effect of Ca substitution on structural, magnetic and dielectric properties of BiFeO3	Thakur S., Pandey O.P., Singh K.	SPMS	Phase Transitions	2014	1029- 0338
Dielectric modulus and magnetocapacitance behavior of Bi <sub>3.7</sub> Sm <sub>0.3</sub> Ti <sub>2.7</sub> Fe <sub>0.3</sub> O <sub>12</sub>	Bhardwaj S., Paul J., Raina K.K., Thakur N.S., Kumar	SPMS	Physica B: Condensed Matter	2014	0921- 4526
Comparison of structural and magnetic properties of La <sup>3+</sup> substituted BaFe <sub>12</sub> O <sub>19</sub> prepared by different	Verma S., Pandey O.P., Paesano Jr. A., Sharma P.	SPMS	Physica B: Condensed Matter	2014	0921- 4526
Raman scattering spectra, magnetic and ferroelectric properties of BiFeO <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> nanocomposite thin films	Tyagi M., Kumari M., Chatterjee R., Sharma P.	SPMS	Physica B: Condensed Matter	2014	0921- 4526
Effect of two different sites substitution on structural and optical properties of Bi <sub>4</sub> V <sub>2</sub> O <sub>11</sub> -	Kaur R., Thakur S., Singh K.	SPMS	Physica B: Condensed Matter	2014	0921- 4526
Multiwall carbon nanotubes doped ferroelectric liquid crystal composites: A study of modified electrical behavior	Neeraj, Raina K.K.	SPMS	Physica B: Condensed Matter	2014	0921- 4526
Analyzing the role of isospin content and colliding geometry on the transition energy for symmetric colliding nuclei	Jain A., Kumar S.	SPMS	Physica Scripta	2014	1402- 4896
Formation and decay of Pb 200 * using different incoming	Rajni, Kumar R., Sharma M.K.	SPMS	Physical Review C - Nuclear	2014	2469- 9993
Decay and related stability aspects of the Rf* 104266 nucleus formed in the O 18 +	Sandhu K., Sharma M.K., Kaur A., Gupta R.K.	SPMS	Physical Review C - Nuclear Physics	2014	2469- 9993

Correlation of glass stability (GS) and heating rates using inflection point temperature	Kaur G., Kumar V., Singh K., Pandey O.P., Pickrell G.	SPMS	Physics and Chemistry of Glasses: European Journal of Glass Science and	2014	1753-3562
Dynamics of light, intermediate, heavy and superheavy nuclear systems formed in heavy-ion collisions	Sharma M.K., Kaur G.	SPMS	Pramana - Journal of Physics	2014	0973-7111
Impact of density-dependent symmetry energy and Coulomb interactions on the evolution of intermediate mass fragments	Vinayak K.S., Kumar S.	SPMS	Pramana - Journal of Physics	2014	0973-7111
Single step synthesis of pluronic stabilized IR responsive gold nanoplates	Kaur P., Chudasama B.	SPMS	RSC Advances	2014	2046-2069
UV-Visible light induced photocatalytic studies of Cu doped ZnO nanoparticles prepared by co-precipitation	Mittal M., Sharma M., Pandey O.P.	SPMS	Solar Energy	2014	0038-092X
Structural variation in gamma ray irradiated PbO-Na <sub>2</sub> O-B <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glasses	Kaur R., Singh S., Pandey O.P.	SPMS	Solid State Communications	2014	0038-1098
A comparative structural, thermal and electrical study of Ca <sup>2+</sup> , Sr <sup>2+</sup> substituted	Thakur S., Pandey O.P., Singh K.	SPMS	Solid State Ionics	2014	0167-2738
Study of non-lubricated wear of the Al-Si alloy composite reinforced with different ratios of coarse and fine size zircon sand particles at different	Panwar R.S., Kumar S., Pandey R., Pandey O.P.	SPMS	Tribology Letters	2014	1573-2711
Computer simulation of heterogeneous nucleation of colloidal crystals at planar walls	B.J.Block, D. Deb, F. Schmitz, A. Statt, A. Troester, A. Winkler, T. Zykova-	SPMS	Eur. Phys. J. SpecialTopics	2014	1951-6401
Probing Nuclear Matter at the Extremes through application of Dynamical Cluster-decay Model to Superheavy Nuclei	. Niyti, Manoj K. Sharma, K.Sandhu, R. K. Gupta.	SPMS	Int. Rev. of Phys. IREPHY	2014	2533-2287
Self healing behavior of barium-lanthanum-borosilicate glass and its reactivity with different electrolytes for solid oxide fuel cells applications	G. Kaur, O.P. Pandey and K. Singh	SPMS	International Journal of Applied Ceramic Technology	2014	1744-7402

Tensile stress-dependent fracture behavior and its influences on photovoltaic characteristics in flexible	Lee S.M., Yeon D.H., Mohanty B.C., Cho Y.S.	SPMS	ACS Applied Materials and Interfaces	2015	1944-8252
Role of inelastic surface excitations and the energy-dependent Woods-Saxon potential in sub-barrier fusion of	Gautam M.S.	SPMS	Acta Physica Polonica B	2015	1509-5770
Investigations on multiferroic, optical and photocatalytic properties of lanthanum doped bismuth ferrite nanoparticles	Kaur M., Yadav K.L., Uniyal P.	SPMS	Advanced Materials Letters	2015	0976-3961
Effect of dopants ionic radii on dielectric properties of $\text{Bi}_4\text{V}_2-x\text{MExO}_{11-\delta}$ (where $x = 0.0$ and $0.15$ ; $\text{ME} = \text{Mg}, \text{Ca}$ ,	Gupta S., Singh K.	SPMS	Applied Physics A: Materials Science and Processing	2015	1432-0630
Large magnetoelectric response in modified BNT based ternary piezoelectric $[(72.5(\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3) - 22.5(\text{Bi}_{1/2}\text{K}_{1/2}\text{TiO}_3) - 5(\text{BiMg}_{1/2}\text{Ti}_{1/2}\text{O}_3)]$ -magnetostrictive $(\text{NiFe}_2\text{O}_4)$	Tyagi M., Kumari M., Chatterjee R., Sharma P.	SPMS	Applied Physics Letters	2015	1077-3118
Mechanical, dielectric and optical assessment of glass composites prepared using	Kaur G., Pickrell G., Kumar V., Pandey O.P., Singh K., Arya	SPMS	Bulletin of Materials Science	2015	0973-7669
Static and energy dependent nucleus-nucleus potential for description of near and sub-barrier fusion data	Gautam M.S.	SPMS	Canadian Journal of Physics	2015	1208-6045
Novel process for synthesis of nanocrystalline WC from wolframite ore	Singh H., Pandey O.P.	SPMS	Ceramics International	2015	0272-8857
Effect of two different dopants ( $\text{Mg}^{2+}$ and $\text{Ca}^{2+}$ ) and processing parameters on $\gamma$ -phase stabilization and conductivity of $\text{Bi}_4\text{V}_2\text{O}_{11-\delta}$	Gupta S., Singh K.	SPMS	Ceramics International	2015	0272-8858
Improved dielectric and magnetic properties in modified lithium-ferrites	Dipti, Kumar P., Juneja J.K., Singh S., Raina K.K.,	SPMS	Ceramics International	2015	0272-8859



Enhancement in magnetoelectric coupling in PZT	Dipti D., Juneja J.K., Singh S., Raina K.K.,	SPMS	Ceramics International	2015	0272-8860
Static versus energy-dependent nucleus-nucleus potential for description of sub-barrier fusion dynamics of $^{168}\text{O}+^{112,116,120}\text{Sn}$	Gautam M.S.	SPMS	Chinese Physics C	2015	1674-1137
Nuclear structure study of some bubble nuclei in the light mass region using mean field	Sharma M.K., Panda R.N., Sharma M.K., Patra	SPMS	Chinese Physics C	2015	1674-1137
Entrance Channel Mass Asymmetry Effects in Sub-Barrier Fusion Dynamics by Using Energy Dependent Woods-	Gautam M.S.	SPMS	Communications in Theoretical Physics	2015	0253-6102
Strong decay widths and coupling constants of recent charm meson states	Batra M., Upadhyay A.	SPMS	European Physical Journal C	2015	1434-6052
Structural, Dielectric and Magnetoelectric Properties of $x\text{Co}_0.8\text{Ni}_0.2\text{Fe}_2\text{O}_4 + (1-x)\text{PbZr}_0.55\text{Ti}_0.45\text{O}_3$ Composites	Dipti, Juneja J.K., Singh S., Raina K.K., Kotnala R.K., Prakash C.	SPMS	Ferroelectrics, Letters Section	2015	1563-5228
Analysis of thermodynamic properties in the limit of infinite pressure	Kumar S., Sharma S.K., Pandey O.P.	SPMS	High Temperatures - High Pressures	2015	1472-3441
Estimation of Particle Concentration in a Nanocomposite Using	Rani C., Tiwari S.D., Kumar D.	SPMS	IEEE Transactions on Magnetics	2015	0018-9464
Enhanced Perpendicular Magnetic Anisotropy of Co-Rich Type Co-Pt Film by Inserting Pt	You T.-H., Chen Y.-S., Ju Y.-C., Lin Y.-T., Lu H.-C., Wang S.-	SPMS	IEEE Transactions on Magnetics	2015	0018-9464
Effects of Thickness Ratio of Co to Pt Layer on Magnetic Properties and Microstructure of $[\text{Co}/\text{Pt}]_n$ Multilayer Films	Yang T.-C., Chen Y.-S., Ju Y.-C., Lin Y.-T., Huang C.-F., Lu H.-C., Wang S.-F.,	SPMS	IEEE Transactions on Magnetics	2015	0018-9464
Correlation between directed transverse flow and nuclear stopping around the energy of vanishing flow	Rubina B., Anupriya J., Suneel K.	SPMS	Indian Journal of Physics	2015	0974-9845
Contribution of different components of interaction potential towards global nuclear stopping	Mandeep K., Suneel K.	SPMS	Indian Journal of Physics	2015	0974-9845
Effect of electric and magnetic treatments on germination of bitter gourd ( <i>Momordica</i>	Mahajan T.S., Pandey O.P.	SPMS	International Journal of Agriculture and	2015	1814-9596

Synthesis of carbon coated tungsten carbide nano powder using hexane as carbon source and its structural, thermal and electrocatalytic properties	Singla G., Singh K., Pandey O.P.	SPMS	International Journal of Hydrogen Energy	2015	0360-3199
In-situ synthesis of chromium carbide (Cr <sub>3</sub> C <sub>2</sub> ) nanopowders by chemical-reduction route	Mahajan M., Rajpoot S., Pandey O.P.	SPMS	International Journal of Refractory	2015	0263-4368
Preferential occupancy of Ca <sup>2+</sup> dopant in La <sub>1-x</sub> CaxInO <sub>3-δ</sub> (x = 0–0.20) perovskite: structural and electrical	Sood K., Singh K., Basu S., Pandey O.P.	SPMS	Ionics	2015	1862-0760
Study on novel, superparamagnetic and biocompatible PEG/KFeO <sub>2</sub>	Khanna L., Verma N.K.	SPMS	Journal of Applied Biomedicine	2015	1214-021X
Synthesis of fluorescent core-shell nanomaterials and strategies to generate white	Singh A., Kaur R., Pandey O.P., Wei X., Sharma M.	SPMS	Journal of Applied Physics	2015	1089-7550
Hybrid polyaniline-TiO <sub>2</sub> nanocomposite Langmuir-Blodgett thin films: Self-assembly and their	Bhullar G.K., Kaur R., Raina K.K.	SPMS	Journal of Applied Polymer Science	2015	1097-4628
Multiferroic properties of composites of PLZT and substituted	Dipti, Kumar P., Juneja J.K., Singh S., Raina K.K.,	SPMS	Journal of Ceramic Processing	2015	1229-9162
Influence of particle size and temperature on the wear properties of rutile-reinforced aluminium metal matrix	Arora R., Kumar S., Singh G., Pandey O.P.	SPMS	Journal of Composite Materials	2015	1530-793X
Bistable dissipative soliton in cubic-quintic nonlinear medium with multiphoton absorption and gain dispersion	Parmar G.S., Jana S.	SPMS	Journal of Electromagnetic Waves and Applications	2015	1569-3937
Growth, Morphology, and Electrical Characterization of Polyaniline–ZnO Nanocomposite Langmuir–Blodgett	Bhullar G.K., Kaur R., Raina K.K.	SPMS	Journal of Electronic Materials	2015	0361-5235
Electroactive Phase Induced Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> –Poly(Vinylidene Difluoride) Composites with Improved Dielectric Properties	Bhardwaj S., Paul J., Chand S., Raina K.K., Kumar R.	SPMS	Journal of Electronic Materials	2015	0361-5235
Investigation of the Magnetic and Optical Properties of Wurtzite Fe-Doped ZnS	Kumar S., Verma N.K.	SPMS	Journal of Electronic Materials	2015	0361-5235

Morphology controlled Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> nanophosphors with enhanced photoluminescence	Kumar D., Sharma M., Pandey O.P.	SPMS	Journal of Luminescence	2015	0022-2313
Structural, magnetic and microwave properties of barium hexaferrite thick films with different Fe/Ba mole ratio	Verma S., Dhawan S.K., Paesano A., Jr., Pandey O.P., Sharma P.	SPMS	Journal of Magnetism and Magnetic Materials	2015	0304-8853
Enhanced coercivity of HCP Co-Pt alloy thin films on a glass substrate at room temperature for patterned media	Chen Y.S., Sun A.-C., Lee H.Y., Lu H.-C., Wang S.-F., Sharma P.	SPMS	Journal of Magnetism and Magnetic Materials	2015	0304-8853
Sol-gel synthesized BiFeO <sub>3</sub> nanoparticles: Enhanced magnetoelectric coupling with	Dhir G., Uniyal P., Verma N.K.	SPMS	Journal of Magnetism and Magnetic Materials	2015	0304-8853
Estimation of particle magnetic moment distribution for anti-ferromagnetic ferrihydrite nanoparticles	Rani C., Tiwari S.D.	SPMS	Journal of Magnetism and Magnetic Materials	2015	0304-8853
Study of samarium modified lead zirconate titanate and nickel zinc ferrite composite	Rani R., Juneja J.K., Singh S., Raina K.K., Prakash C.	SPMS	Journal of Magnetism and Magnetic	2015	0304-8853
Room temperature investigations on optical and magnetic studies of Co <sub>x</sub> Zn <sub>1-x</sub> S	Kumar S., Verma N.K.	SPMS	Journal of Magnetism and Magnetic	2015	0304-8853
Role of fine size zircon sand ceramic particle on controlling the cell morphology of aluminum composite foams	Kumar S., Pandey O.P.	SPMS	Journal of Manufacturing Processes	2015	1526-6125
Ferromagnetic behavior of Cd <sub>1-x</sub> Ni <sub>x</sub> S nanorods: a novel study	Kaur K., Verma N.K.	SPMS	Journal of Materials Science:	2015	1573-482X
Particle size dependent multiferroic properties of Bi <sub>0.95</sub> Tb <sub>0.05</sub> FeO <sub>3</sub> nanoparticles	Dhir G., Uniyal P., Verma N.K.	SPMS	Journal of Materials Science:	2015	1573-482X
Structural, optical and magnetic investigations on Fe-doped ZnS nanoparticles	Kumar S., Verma N.K.	SPMS	Journal of Materials Science:	2015	1573-482X
Structural, optical and ferroelectric behavior of pure BiFeO <sub>3</sub> thin films synthesized by	Tyagi M., Chatterjee R., Sharma P.	SPMS	Journal of Materials Science:	2015	1573-482X
Structure and crystallization kinetics of Li <sub>2</sub> O modified sodium-phosphate	Jha P.K., Pandey O.P., Singh K.	SPMS	Journal of Molecular Structure	2015	0022-2860

Effect of intermediate oxide (Y <sub>2</sub> O <sub>3</sub> ) on thermal, structural and optical properties of lithium borosilicate glasses	Singh S., Kalia G., Singh K.	SPMS	Journal of Molecular Structure	2015	0022-2860
FTIR spectral analysis and mechanical properties of sodium phosphate glass-	Jha P.K., Pandey O.P., Singh K.	SPMS	Journal of Molecular Structure	2015	0022-2860
Nanocrystalline glass ceramics: Structural, physical and optical properties	Singh S., Singh K.	SPMS	Journal of Molecular Structure	2015	0022-2860
Structural and optical properties of 30Li <sub>2</sub> O-55B <sub>2</sub> O <sub>3</sub> -5ZnO-xTiO <sub>2</sub> -(10-x)V <sub>2</sub> O <sub>5</sub> , (0 ≤ x ≤ 10) glasses	Arya S.K., Singh K.	SPMS	Journal of Non-Crystalline Solids	2015	0022-3093
Dielectric, optical and structural properties of Bi <sub>4-x</sub> V <sub>2-2x</sub> Sr <sub>x</sub> O <sub>11</sub>	Gupta S., Singh K.	SPMS	Journal of Physics and Chemistry of Solids	2015	0022-3697
Improved photovoltaic and grain boundary characteristics of single elementary target-sputtered Cu <sub>2</sub> ZnSnSe <sub>4</sub> thin films by post	Jo Y.H., Jang J.W., Mohanty B.C., Kang H.B., Cho Y.S.	SPMS	Journal of Physics D: Applied Physics	2015	1361-6463
Synthesis of visible light-responsive cobalt-doped TiO <sub>2</sub> nanoparticles with tunable optical band gap	Khurana C., Pandey O.P., Chudasama B.	SPMS	Journal of Sol-Gel Science and Technology	2015	1573-4846
Improved dielectric and magnetic properties of multiferroic BiFeO <sub>3</sub> -NiFe <sub>2</sub> O <sub>4</sub> nanocomposite thin films	Tyagi M., Chatterjee R., Sharma P.	SPMS	Journal of Sol-Gel Science and Technology	2015	1573-4846
Synthesis of grape-like carbon nanospheres and their application as photocatalyst and	Mahajan M., Singla G., Singh K., Pandey O.P.	SPMS	Journal of Solid State Chemistry	2015	0022-4596
Hydrothermally Synthesized CdS Nanoparticles: Effect of Fe Doping on Optical and Magnetic Properties	Kaur K., Verma N.K.	SPMS	Journal of Superconductivity and Novel Magnetism	2015	1557-1947
Multiferroic Properties of Zn <sub>1-x</sub> Mg <sub>x</sub> O Nanoparticles	Singh J., Vasishth A., Verma N.K.	SPMS	Journal of Superconductivity and Novel Magnetism	2015	1557-1947
Thermal and kinetic parameters of 30Li <sub>2</sub> O-55B <sub>2</sub> O <sub>3</sub> -5ZnO-xTiO <sub>2</sub> -(10-x)V <sub>2</sub> O <sub>5</sub> (0 ≤ x ≤ 10) glasses	Arya S.K., Singh K.	SPMS	Journal of Thermal Analysis and Calorimetry	2015	1588-2926

Optical and thermal properties of (70 - x)SiO <sub>2</sub> -xNa <sub>2</sub> O-15CaO-10Al <sub>2</sub> O <sub>3</sub> -5TiO <sub>2</sub> (10 ≤ x ≤ 25)	Arya S.K., Kaur B., Kaur G., Singh K.	SPMS	Journal of Thermal Analysis and	2015	1588-2926
Thermal stability and structural properties of Ta nanopowder synthesized via simultaneous reduction of Ta <sub>2</sub> O <sub>5</sub> by hydrogen and carbon	Brar L.K., Singla G., Kaur N., Pandey O.P.	SPMS	Journal of Thermal Analysis and Calorimetry	2015	1588-2926
Memory effects in chiral nematic liquid crystals doped with functionalised single-walled carbon nanotubes	Middha M., Kumar R., Raina K.K.	SPMS	Liquid Crystals	2015	1366-5855
Morphological control and switchable photoluminescence responses of silica nanoparticles-modified polymer-dispersed liquid crystal composite films	Kumar R., Raina K.K.	SPMS	Liquid Crystals	2015	1366-5855
Polarisation switching and molecular relaxation behaviour of anthraquinone dye-dispersed polymer-stabilised ferroelectric liquid crystal composites	Kumar R., Raina K.K.	SPMS	Liquid Crystals	2015	1366-5855
Effect of pH on the control of molecular orientation in monolayer of bent-core liquid crystal materials by	Kaur R., Bhullar G.K., Rao N.V.S., Raina K.K.	SPMS	Liquid Crystals	2015	1366-5855
Synthesis and photoluminescence properties of in-situ synthesized core-shell (m-VC@C) nanocomposites	Mahajan M., Lalla N.P., Singh K., Pandey O.P.	SPMS	Materials Chemistry and Physics	2015	0254-0584
Improved properties of BPT ceramics using microwave	Kumar P., Singh S., Juneja J.K., Prakash	SPMS	Materials Letters	2015	0167-577X
Magnetic and electric properties of BFO-NFO nanocomposites	Kaur I., Verma N.K.	SPMS	Materials Science in Semiconductor	2015	1369-8001
Planar Alignment of Liquid Crystal in Silica-Based Photonic	Dhiman N., Sharma A., Singh B.P.,	SPMS	Molecular Crystals and	2015	1563-5287
Fission decay analysis of n-induced reaction using collective clusterization	Kaur A., Kaur G., Sharma M.K.	SPMS	Nuclear Physics A	2015	0375-9474
Photoluminescence and photocatalytic studies of metal ions (Mn and Ni) doped ZnS nanoparticles	Kaur J., Sharma M., Pandey O.P.	SPMS	Optical Materials	2015	0925-3467

Structural, conductivity, and dielectric relaxation studies of $\text{La}_{0.9}\text{Ba}_{0.1}\text{GaO}_{3-\delta}$ system	Sood K., Singh K., Pandey O.P.	SPMS	Particulate Science and Technology	2015	1548-0046
Crystallization and glass transition kinetics of $\text{Na}_2\text{S}-\text{P}_2\text{S}_5$	Jha P.K., Pandey O.P., Singh K.	SPMS	Particulate Science and Technology	2015	1548-0046
Effect of processing variables on WC nanoparticles synthesized by solvothermal route	Singla G., Singh K., Pandey O.P.	SPMS	Particulate Science and Technology	2015	1548-0046
Structural, thermal, and electrical study of $\text{Bi}_{0.5}\text{Sr}$	Thakur S., Pandey O.P., Singh K.	SPMS	Particulate Science and	2015	1548-0046
Effect of pH on Size of ZnS Nanoparticles and Its Application for Dye Degradation	Kaur J., Sharma M., Pandey O.P.	SPMS	Particulate Science and Technology	2015	1548-0046
Role of different range of particle size on wear characteristics of $\alpha$ -rutile	Arora R., Kumar S., Singh G., Pandey O.P.	SPMS	Particulate Science and Technology	2015	1548-0046
Effect of particle size on wear behavior of $\alpha$ -garnet	Sharma A., Kumar S., Singh G., Pandey	SPMS	Particulate Science and	2015	1548-0046
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Effects of nanoparticle doping on the phase transitional behaviour of ferroelectric liquid crystal Langmuir-Blodgett	Kaur R., Raina K.K.	SPMS	Phase Transitions	2015	1029-0338
Co-existence of cubic and orthorhombic phases in Ba-doped $\text{La}_2\text{NiO}_7$ and their effect on conductivity	Sood K., Singh K., Pandey O.P.	SPMS	Physica B: Condensed Matter	2015	0921-4526
Analysis of fusion dynamics of colliding systems involving stable, loosely bound and halo	Gautam M.S.	SPMS	Physica Scripta	2015	1402-4896
Decay of Zr isotopes and related nuclear structure effects using the collective clusterization	Kaur G., Rajni R., Sharma M.K.	SPMS	Physica Scripta	2015	1402-4896
Systematic failure of static nucleus-nucleus potential to explore sub-barrier fusion	Gautam M.S.	SPMS	Physica Scripta	2015	1402-4896
Decay of the compound nucleus $118 + 297$ formed in the reaction $\text{Cf}^{249} + \text{Ca}^{48}$ using the dynamical cluster-decay	Sawhney G., Kaur A., Sharma M.K., Gupta R.K.	SPMS	Physical Review C - Nuclear Physics	2015	2469-9993

Formation and decay analysis of Cd * 4898,104 isotopes in Ca 2040 -induced reactions	Gautam M.S., Kaur A., Sharma M.K.	SPMS	Physical Review C - Nuclear Physics	2015	2469-9993
Decay analysis of compound nuclei with masses A≈30-200 formed in reactions involving loosely bound projectiles	Kaur M., Singh B., Sharma M.K., Gupta R.K.	SPMS	Physical Review C - Nuclear Physics	2015	2469-9993
α -decay chains of recoiled superheavy nuclei: A theoretical study	Niyti, Sawhney G., Sharma M.K., Gupta R.K.	SPMS	Physical Review C - Nuclear Physics	2015	2469-9993
Cluster decay analysis and related structure effects of fissionable heavy and	Sharma M.K., Kaur G.	SPMS	Pramana - Journal of Physics	2015	0973-7111
On the momentum distribution of particles participating in nuclear stopping	Kaur M., Kumar S.	SPMS	Pramana - Journal of Physics	2015	0973-7111
Evolution of structural and thermal properties of carbon-coated TaC nanopowder synthesized by single step	Brar L.K., Singla G., Pandey O.P.	SPMS	RSC Advances	2015	2046-2069
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Effect of band-aligned double absorber layers on photovoltaic characteristics of chemical bath deposited PbS/CdS thin film solar cells	Ho Yeon D., Chandra Mohanty B., Lee S.M., Soo Cho Y.	SPMS	Scientific Reports	2015	2045-2322
Single elementary target-sputtered Cu <sub>2</sub> ZnSnSe <sub>4</sub> thin film solar cells	Jo Y.H., Mohanty B.C., Yeon D.H., Lee S.M., Cho Y.S.	SPMS	Solar Energy Materials and Solar Cells	2015	0927-0248
γ-Phase stabilized Bi <sub>4-x</sub> Ba <sub>x</sub> V <sub>2-x</sub> O <sub>11-δ</sub> (0.0 ≤ x ≤ 0.20): Structural, thermal and conducting	Gupta S., Singh K.	SPMS	Solid State Ionics	2015	0167-2738
Structural and optical studies of undoped and copper doped zinc sulphide nanoparticles for photocatalytic application	Kaur J., Sharma M., Pandey O.P.	SPMS	Superlattices and Microstructures	2015	0749-6036
Nuclear Structure study of some bubble nuclei in light mass region using mean field	M. K. Sharma, R. N. Panda, Manoj K. Sharma, S. K. Patra.	SPMS	Chinese Physics C	2015	1674-1137

Improved Photovoltaic Characteristics and Grain Boundary Potentials of CuIn <sub>0.7</sub> Ga <sub>0.3</sub> Se <sub>2</sub> Thin Films Spin-Coated by Na-Dissolved	Choi I.J., Jang J.W., Mohanty B.C., Lee S.M., Cho Y.S.	SPMS	ACS Applied Materials and Interfaces	2016	1944-8252
Initialization effects via nuclear charge radii parameterizations on the nuclear stopping and its relation to distribution and production of light mass	Sangeeta	SPMS	Acta Physica Polonica B	2016	1509-5770
Importance of deformations in dynamical evolution of proton-halo nuclei	Sawhney G., Gupta R.K., Sharma M.K.	SPMS	Acta Physica Polonica B	2016	1509-5770
An introduction and history of the bioactive glasses	Kaur G., Waldrop S.G., Kumar V.,	SPMS	Advanced Structured	2016	1869-8433
Study of 1D strange charmed meson family using HQET	Gupta P., Upadhyay A.	SPMS	Advances in High Energy	2016	1687-7365
Prediction of variation in d-orbital occupancy in strain induced tetragonal phase of BiFeO <sub>3</sub> thin film	Verma M., Ram K.	SPMS	AIP Advances	2016	2158-3226
Role of Projectile Degrees of Freedom in Sub-Barrier Fusion Dynamics	Gautam M.S.	SPMS	Brazilian Journal of Physics	2016	1678-4448
Role of Barrier Modification and Inelastic Surface Excitations in Sub-Barrier Fusion of <sup>16</sup> 32 S + <sup>40</sup> 94 Zr Reaction	Gautam M.S., Rajni, Sharma M.K.	SPMS	Brazilian Journal of Physics	2016	1678-4448
Effect of synthesis parameters on structural and thermal properties of NbC/C nano composite synthesized via in-situ carburization reduction	Gupta A., Singla G., Pandey O.P.	SPMS	Ceramics International	2016	0272-8861
Microwave sintered Bi <sub>0.90</sub> La <sub>0.10</sub> Fe <sub>0.95</sub> Mn <sub>0.05</sub> O <sub>3</sub> nanocrystalline ceramics: Impedance and modulus spectroscopy	Kolte J., Daryapurkar A.S., Gulwade D.D., Gopalan P.	SPMS	Ceramics International	2016	0272-8862
Magnetic and bioactive properties of MnO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> modified Na <sub>2</sub> O-CaO-P <sub>2</sub> O <sub>5</sub> -SiO <sub>2</sub> glasses and nanocrystalline glass	Danewalia S.S., Singh K.	SPMS	Ceramics International	2016	0272-8863
Effect of MgO on bioactivity, hardness, structural and optical properties of SiO <sub>2</sub> -K <sub>2</sub> O-CaO-MgO glasses	Jha P., Singh K.	SPMS	Ceramics International	2016	0272-8864



JP=12+,32+ masses in the statistical model	Kaur A., Upadhyay A.	SPMS	European Physical Journal	2016	1434-601X
Magnetic moments of JP = 3/2+ decuplet baryons using the statistical model	Kaur A., Upadhyay A.	SPMS	European Physical Journal A	2016	1434-601X
Improved Electro-Optical Response of Induced Chiral Nematic Liquid Crystal Doped with Multi-Walled Carbon	Middha M., Kumar R., Raina K.K.	SPMS	Ferroelectrics	2016	1563-5112
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Synthesis and characterization of PZT: CF magnetoelectric composites	Dipti, Singh S., Juneja J.K., Raina K.K., Pant R.P.,	SPMS	Integrated Ferroelectrics	2016	1607-8489
Study of photocatalytic degradation of environmentally harmful phthalate esters using Ni-doped TiO <sub>2</sub> nanoparticles	Singla P., Pandey O.P., Singh K.	SPMS	International Journal of Environmental Science and	2016	1735-2630
Dynamics of 16,18O-induced reactions using Ni, Ge and Mo targets	Rajni, Kaur G., Sharma M.K.	SPMS	International Journal of Modern Physics	2016	1793-6608
Structural and magnetic properties of Co-Ti substituted barium hexaferrite thick films	Verma S., Pandey O.P., Paesano A., Jr., Sharma P.	SPMS	Journal of Alloys and Compounds	2016	0925-8388
Study on single step solid state synthesis of WC@C nanocomposite and electrochemical stability of synthesized WC@C & Pt/WC@C for alcohol oxidation	Singla G., Singh K., Pandey O.P.	SPMS	Journal of Alloys and Compounds	2016	0925-8388
Review and the state of the art: Sol-gel and melt quenched bioactive glasses for tissue engineering	Kaur G., Pickrell G., Sriranganathan N., Kumar V., Homa D.	SPMS	Journal of Biomedical Materials Research - Part	2016	1552-4981
Effect of Gd-substitution on the ferroelectric and magnetic properties of BiFeO <sub>3</sub> processed by high-energy ball milling	Sharma S., Mishra A., Saravanan P., Pandey O.P., Sharma P.	SPMS	Journal of Magnetism and Magnetic Materials	2016	0304-8853

Study of $x\text{Co}_0.8\text{Ni}_0.2\text{Fe}_2\text{O}_4+(1-x)\text{Pb}_0.99625\text{La}_0.0025\text{Zr}_0.55\text{Ti}_0.45\text{O}_3$	Dipti, Singh S., Juneja J.K., Raina K.K., Kotnala R.K.,	SPMS	Journal of Magnetism and Magnetic	2016	0304-8853
Magnetic behaviour of sol-gel driven $\text{BiFeO}_3$ thin films with different grain size distribution	Sharma S., Saravanan P., Pandey O.P., Vinod	SPMS	Journal of Magnetism and Magnetic	2016	0304-8853
Frequency independent low- $\kappa$ lithium borate nanocrystalline glass ceramic and glasses for microelectronic applications	Arya S.K., Danewalia S.S., Singh K.	SPMS	Journal of Materials Chemistry C	2016	2050-7534
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Investigation on the effect of Ti doping on dielectric, impedance and magnetic properties of $\text{Ba}_2+$ -substituted $\text{BiFeO}_3$	Kaur M., Uniyal P.	SPMS	Journal of Materials Science: Materials in	2016	1573-482X
Structural, optical and magnetic properties of Gadolinium-doped $\text{ZnO}$ nanoparticles	Aggarwal N., Kaur K., Vasishth A., Verma N.K.	SPMS	Journal of Materials Science:	2016	1573-482X
Grain size distribution dependent magnetic and ferroelectric properties in sol-gel driven $\text{BiFeO}_3$ thin films	Sharma S., Saravanan P., Pandey O.P., Sharma P.	SPMS	Journal of Materials Science: Materials in	2016	1573-482X
Multiferroic and optical studies on the effects of $\text{Ba}_2+$ ions in $\text{BiFeO}_3$ nanoparticles	Kaur M., Yadav K.L., Uniyal P.	SPMS	Journal of Materials Science:	2016	1573-482X
Effects of chirality on optical and electro-optic behavior of nematic liquid crystals doped with functionalized silver	Middha M., Kumar R., Raina K.K.	SPMS	Journal of Molecular Liquids	2016	0167-7322
Thermodynamic and acoustical study of zinc oxide-nematic liquid crystals mixtures	Khushboo, Devi A., Malik P., Kumar H.	SPMS	Journal of Molecular Liquids	2016	0167-7322
Non-isothermal crystallization kinetics of $\text{K}_2\text{O}$ modified sodium-phosphate glasses	Jha P.K., Pandey O.P., Singh K.	SPMS	Journal of Non-Crystalline Solids	2016	0022-3093
Effect of vanadium on the optical and physical properties of lithium borate glasses	Arya S.K., Kaur G., Singh K.	SPMS	Journal of Non-Crystalline Solids	2016	0022-3093
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Effect of variable oxidation states of vanadium on the structural, optical, and dielectric properties of B <sub>2</sub> O <sub>3</sub> -Li <sub>2</sub> O-ZnO-	Arya S.K., Danewalia S.S., Arora M., Singh K.	SPMS	Journal of Physical Chemistry B	2016	1520-5207
Effect of Particle Size on the Multiferroic Properties of Tb-Doped BiFeO <sub>3</sub> Nanoparticles	Dhir G., Uniyal P., Verma N.K.	SPMS	Journal of Superconductivity and Novel Magnetism	2016	1557-1947
Optical, thermal, electrical and morphological study of La <sub>1-x</sub> CaxGaO <sub>3-δ</sub> (x=0, 0.05, 0.10, 0.15 and 0.20) electrolyte	Sood K., Singh K., Basu S., Pandey O.P.	SPMS	Journal of the European Ceramic Society	2016	0955-2219
Effects of silver nanoparticles doping on morphology and luminescence behaviour of ferroelectric liquid crystals Langmuir–Blodgett films	Kaur R., Bhullar G.K., Raina K.K.	SPMS	Liquid Crystals	2016	1366-5855
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Photoluminescence tuning and electro-optical memory in chiral nematic liquid crystals doped with silver nanoparticles	Middha M., Kumar R., Raina K.K.	SPMS	Liquid Crystals	2016	1366-5855
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Swift heavy ion induced modifications of single walled carbon nanotube thin films	Vishalli, Raina K.K., Avasthi D.K., Srivastava A., Dharamvir K.	SPMS	Nuclear Instruments and Methods in Physics Research, Section B: Beam	2016	0168-9002

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Dielectric and electro-optical studies of a nickel-ferrite-nanoparticle-doped ferroelectric liquid crystal	Khushboo, Sharma P., Malik P., Raina K.K.	SPMS	Phase Transitions	2016	1029-0338
Nature of magnetic interactions in $\beta$ -Co(OH) <sub>2</sub> nanoparticles	Gupta A., Tiwari S.D., Kumar D.	SPMS	Physica Status Solidi (B) Basic	2016	1521-3951
Properties of fission fragments for Z=112-116 superheavy	Kaur G., Sandhu K., Sharma M.K.	SPMS	Physical Review C - Nuclear	2016	2469-9993
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Decay analysis of pre-actinide and trans-actinide nuclei formed using various projectiles on a Au 197 target at ECN* =60	Grover N., Kaur G., Sharma M.K.	SPMS	Physical Review C - Nuclear Physics	2016	2469-9993
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Inelastic surface vibrations versus energy-dependent nucleus-nucleus potential in sub-barrier fusion dynamics of $^{36}\text{Li} +$	Gautam M.S.	SPMS	Pramana - Journal of Physics	2016	0973-7111
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Dynamics of surface evolution in semiconductor thin films grown from a chemical bath	Gupta I., Mohanty B.C.	SPMS	Scientific Reports	2016	2045-2322
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Fast and quick degradation properties of doped and capped ZnO nanoparticles under UV-Visible light radiations	Mittal M., Sharma M., Pandey O.P.	SPMS	Solar Energy	2016	0038-092X
Effect of substrate temperature on the structural and electrical properties of La and Mn co-doped BiFeO3 thin films	Kolte J., Daryapurkar A.S., Agarwal M., Gulwade D.D.,	SPMS	Thin Solid Films	2016	0040-6090
Structural effects through nuclear charge radius in mass asymmetric collisions	Sangeeta, Kaur V.	SPMS	Acta Physica Polonica B	2017	1509-5770
Analysis of spontaneous fission in superheavy mass region using the dynamical cluster-decay	Sawhney G., Kaur A., Sharma M.K., Gupta R.K.	SPMS	Acta Physica Polonica B	2017	1509-5770
Phase transitions in two-line ferrihydrite nanoparticles	Rani C., Tiwari S.D.	SPMS	Applied Physics A: Materials Science and	2017	1432-0630
Effect of copper on the up-regulation/down-regulation of genes, cytotoxicity and ion dissolution for mesoporous bioactive glasses	Kaur G., Sriranganathan N., Waldrop S.G., Sharma P., Chudasama B.N.	SPMS	Biomedical Materials (Bristol)	2017	1748-605X
Effect of Mn <sup>2+</sup> and Cu <sup>2+</sup> co-doping on structural and luminescent properties of ZnS	Bansal N., Mohanta G.C., Singh K.	SPMS	Ceramics International	2017	0272-8865
Effect of ZrO <sub>2</sub> on dielectric, optical and structural properties of yttrium calcium borosilicate	Khan S., Kaur G., Singh K.	SPMS	Ceramics International	2017	0272-8866
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Dynamics of $47V^*$ formed in $20Ne + 27Al$ reaction in view of fusion-fission and DIC	Grover N., Sharma K., Sharma M.K.	SPMS	European Physical Journal A	2017	1434-601X
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Complete and incomplete fusion dynamics of $6,7Li + 159Tb$ reactions near the	Gautam M.S., Grover N., Sharma M.K.	SPMS	European Physical Journal A	2017	1434-601X
Modelling of breather for transformer health assessment	Kumar S., Islam T., Raina K.K.	SPMS	IET Science, Measurement and Technology	2017	1751-8830
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Analysis of volume dependence of thermal expansivity for NaCl	Kumar S., Sharma S.K., Pandey O.P.	SPMS	Indian Journal of Pure and Applied Physics	2017	0975-1041
Dielectric and polarization switching studies in nickel nanoparticles dispersed ferroelectric liquid crystal	Khushboo, Bhargava N., Anand K., Malik P., Sharma P., Jayoti	SPMS	Integrated Ferroelectrics	2017	1607-8489
Influence of CaO/MgO ratio on the crystallization kinetics and interfacial compatibility with crofer 22APU and YSZ of strontium based aluminoborosilicate glasses for SOFC	Kaur M., Kaur G., Pandey O.P., Singh K., Kumar V.	SPMS	International Journal of Hydrogen Energy	2017	0360-3199
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Structural, magnetic and microwave properties of exchange coupled and non-exchange coupled BaFe <sub>12</sub> O <sub>19</sub> /NiFe <sub>2</sub> O <sub>4</sub>	Pahwa C., Mahadevan S., Narang S.B., Sharma P.	SPMS	Journal of Alloys and Compounds	2017	0925-8388
Facile route to produce spherical and highly luminescent Tb <sup>3+</sup> -doped	Kumar D., Sharma M., Haranath D., Pandey O.P.	SPMS	Journal of Alloys and Compounds	2017	0925-8388
Structural, dielectric and magnetic properties of BaFe <sub>12-x</sub> Al <sub>x</sub> O <sub>19</sub> hexaferrite	Mahadevan S., Pahwa C., Narang S.B., Sharma P.	SPMS	Journal of Magnetism and Magnetic	2017	0304-8853
Magnetoelectric effect in lead free piezoelectric Bi <sub>1/2</sub> Na <sub>1/2</sub> TiO <sub>3</sub> -modified CFO based magnetostrictive (Co <sub>0.6</sub> Zn <sub>0.4</sub> Fe <sub>1.7</sub> Mn <sub>0.3</sub> O <sub>4</sub> ) particulate nanocomposite prepared by sol-gel method	Thakur M., Sharma P., Kumari M., Singh A.P., Tyagi M.	SPMS	Journal of Magnetism and Magnetic Materials	2017	0304-8853
Barium disilicide as a promising thin-film photovoltaic absorber: Structural, electronic, and defect properties	Kumar M., Umezawa N., Zhou W., Imai M.	SPMS	Journal of Materials Chemistry A	2017	2050-7496
Seedless co-surfactant-based dimensional and optical tunability of gold nanorods with simultaneous pH regulation	Kaur P., Chudasama B.	SPMS	Journal of Materials Science	2017	1573-4803
Effect of mixed oxide/fluoride bonding on the dielectric properties of oxyfluoride glasses	Danewalia S.S., Gupta N., Aggarwal S., Singh K.	SPMS	Journal of Materials Science:	2017	1573-482X
Enhanced dielectric properties and suppressed leakage current density of PVDF composites flexible film through small loading of submicron	Gupta P., Kumar A., Tomar M., Gupta V., Singh D.P.	SPMS	Journal of Materials Science: Materials in Electronics	2017	1573-482X
Influence of annealing on dielectric and polarization behavior of PVDF thick films	Kaur S., Kumar A., Sharma A.L., Singh D.P.	SPMS	Journal of Materials Science:	2017	1573-482X
Improved magnetoelectric effect in lead free [72.5(Bi <sub>1/2</sub> Na <sub>1/2</sub> TiO <sub>3</sub> )-22.5(Bi <sub>1/2</sub> K <sub>1/2</sub> TiO <sub>3</sub> )-5(BiMg <sub>1/2</sub> Ti <sub>1/2</sub> O <sub>3</sub> )] CoFe <sub>2</sub> O <sub>4</sub> particulate nanocomposites prepared by sol-gel method	Tyagi M., Sharma P., Kumari M., Thakur M.	SPMS	Journal of Materials Science: Materials in Electronics	2017	1573-482X

Effect of strontium substitution on the cytocompatibility and 3-D scaffold structure for the $x\text{SrO}-(10-x)\text{MgO}-60\text{SiO}_2-20\text{CaO}-10\text{P}_2\text{O}_5$	Thakur S., Garg S., Kaur G., Pandey O.P.	SPMS	Journal of Materials Science: Materials in Medicine	2017	1573-4838
Antibacterial and anticancerous drug loading kinetics for $(10-x)\text{CuO}-x\text{ZnO}-20\text{CaO}-60\text{SiO}_2-10\text{P}_2\text{O}_5$ ( $2 \leq x \leq 8$ ) mesoporous	Garg S., Thakur S., Gupta A., Kaur G., Pandey O.P.	SPMS	Journal of Materials Science: Materials in	2017	1573-4838
Impact of CuS on the crystallization kinetics of Na <sub>2</sub> S-	Sharma P., Jha P.K., Diwan P.K., Pandey	SPMS	Journal of Non-Crystalline	2017	0022-3093
Influence of modifier on dielectric and ferroelectric properties of aluminosilicate	Kaur B., Singh K., Pandey O.P., Thakur S.	SPMS	Journal of Non-Crystalline Solids	2017	0022-3093
Impact of metal ions (Cr <sup>3+</sup> , Co <sup>2+</sup> , Ni <sup>2+</sup> , Cu <sup>2+</sup> and Zn <sup>2+</sup> ) substitution on the structural, magnetic and catalytic properties of substituted Co-Mn ferrites synthesized by	Dhiman M., Bhukal S., Chudasama B., Singhal S.	SPMS	Journal of Sol-Gel Science and Technology	2017	1573-4846
Study on Structural, Multiferroic, Optical and Photocatalytic Properties of Ferroelectromagnetic Nanoparticles:	Kaur M., Uniyal P.	SPMS	Journal of Superconductivity and Novel Magnetism	2017	1557-1947
Dissipative soliton fiber lasers with higher-order nonlinearity, multiphoton absorption and emission, and random	Parmar G.S., Jana S., Malomed B.A.	SPMS	Journal of the Optical Society of America B: Optical Physics	2017	1520-8540
Generation and dynamics of one- and two-dimensional cavity solitons in a vertical-cavity surface-emitting laser with a saturable absorber and frequency-selective feedback	Kaur B., Jana S.	SPMS	Journal of the Optical Society of America B: Optical Physics	2017	1520-8540
Influence of thermal stability on dielectric properties of SiO <sub>2</sub> -K <sub>2</sub> O-CaO-MgO glasses	Jha P., Danewalia S.S., Singh K.	SPMS	Journal of Thermal Analysis and	2017	1588-2926
Textural, thermal, optical and electrical properties of Iron nanoparticles dispersed 4'-(Hexyloxy)-4-biphenylcarbonitrile liquid	Khushboo, Sharma P., Malik P., Raina K.K.	SPMS	Liquid Crystals	2017	1366-5855
Effect of quenching on the structural and dynamic properties of non-aqueous lyotropic mesophases	Shukla R.K., Raina K.K.	SPMS	Liquid Crystals	2017	1366-5855



Effect of thermal cycling process parameters on recrystallization kinetics for processing of fine-grained pure copper	Nanda T., Kumar B.R., Sharma S., Singh V., Pandey O.P.	SPMS	Materials and Manufacturing Processes	2017	1532-2475
Sr doped BiMO <sub>3</sub> (M = Mn, Fe, Y) perovskites: Structure correlated thermal and	Thakur S., Singh K., Pandey O.P.	SPMS	Materials Chemistry and Physics	2017	0254-0584
Catalytic activity of tungsten carbide-carbon (WC@C) core-shell structured for ethanol electro-oxidation	Singla G., Singh K., Pandey O.P.	SPMS	Materials Chemistry and Physics	2017	0254-0584
Structural, electrical and magnetic properties of modified Bi <sub>1/2</sub> Na <sub>1/2</sub> TiO <sub>3</sub> -modified CFO based magnetostrictive (Co <sub>0.6</sub> Zn <sub>0.4</sub> Fe <sub>1.7</sub> Mn <sub>0.3</sub> O <sub>4</sub> ) particulate nanocomposite	Tyagi M., Kumar V., Kaur G., Sharma P.	SPMS	Materials Science Forum	2017	1662-9752
Structure induced tunable magnetic properties of Zn substituted Mn <sub>1-x</sub> Zn <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> (x =	Kaur N., Chudasama B.	SPMS	Micro and Nano Letters	2017	1750-0443
On the rapidity distribution of nucleons participating in elliptical flow at intermediate	Kaur K., Kumar S.	SPMS	Modern Physics Letters A	2017	1793-6632
Textural and optical studies of magneto-mesogen material for display applications	Khushboo, Malik P., Jayoti D., Sharma P., Raina	SPMS	Molecular Crystals and Liquid Crystals	2017	1563-5287
Augmenting the catalytic performance of spinel nanoferrites (CoFe <sub>2</sub> O <sub>4</sub> and NiFe <sub>2</sub> O <sub>4</sub> ): Via incorporation of	Goyal A., Bansal S., Chudasama B., Tikoo K.B., Kumar V., Singhal S.	SPMS	New Journal of Chemistry	2017	1369-9261
Interesting structural transformation of CdS from zinc blende into wurtzite during minuscule loading of magnetic nanoparticles: Emergence of heterojunctions with enhanced photocatalytic performance	Malik R., Kaur J., Kaushik A., Sheoran A., Chudasama B., Kumar V., Tikoo K.B., Singhal S.	SPMS	New Journal of Chemistry	2017	1369-9261
Influence of sticking vs non-sticking limits of moment of inertia and higher order deformations in the decay of <sup>214,216</sup> Rn compound systems	Mittal R., Jain D., Sharma M.K.	SPMS	Nuclear Physics A	2017	0375-9474
Structural and isospin effects on balance energy and transition energy via different nuclear charge radii parameterizations	Sangeeta, Kaur V.	SPMS	Nuclear Physics A	2017	0375-9474

Analysis of dynamical behavior of reactions associated with $^{118,120,122}\text{Xe}$ isotopes	Grover N., Sharma I., Kaur G., Sharma M.K.	SPMS	Nuclear Physics A	2017	0375-9474
Competing analysis of $\alpha$ and $2p2n$ -emission from compound nuclei formed in neutron induced reactions	Kaur A., Sharma M.K.	SPMS	Nuclear Physics A	2017	0375-9474
Dispersion managed dissipative solitons with higher order nonlinearity and frequency-selective feedback	Bhambri K., Singh G., Gupta N., Deb D., Jana S.	SPMS	Optical and Quantum Electronics	2017	1572-817X
Magnetic properties of undoped and Al doped layered $\alpha\text{-Co(OH)}_2$	Gupta A., Tiwari S.D.	SPMS	Physica B: Condensed	2017	0921-4526
Superparamagnetic behavior of antiferromagnetic six lines ferrihydrite nanoparticles	Rani C., Tiwari S.D.	SPMS	Physica B: Condensed Matter	2017	0921-4526
Tactics of particle size for enhanced multiferroic properties in nanoscale Ca-	Dhir G., Uniyal P., Verma N.K.	SPMS	Physica Status Solidi (C) Current Topics	2017	1610-1642
Spontaneous fission and competing ground state decay modes of actinide and	Sharma K., Sawhney G., Sharma M.K.	SPMS	Physical Review C - Nuclear Physics	2017	2469-9993
Role of different parts of the nucleon-nucleon potential on fragment production in asymmetric collisions and their rapidity dependence	Kaur M., Kaur M., Kaur V.	SPMS	Physical Review C - Nuclear Physics	2017	2469-9993
Evidence for the Role of Proton Shell Closure in Quasifission Reactions from X-Ray Fluorescence of Mass-Identified Fragments	Morjean M., Hinde D.J., Simenel C., Jeung D.Y., Airiau M., Cook K.J., Dasgupta M., Drouart A., Jacquet D., Kalkal S.,	SPMS	Physical Review Letters	2017	1079-7114
On developing improved modelling and scale-up procedures for pneumatic conveying of fine powders	Kaur B., Mittal A., Wypych P., Mallick S.S., Jana S.	SPMS	Powder Technology	2017	0032-5910
Properties of $J^P = 1/2^+$ baryon octets at low energy	Kaur A., Gupta P., Upadhyay A.	SPMS	Progress of Theoretical and Experimental	2017	2050-3911
Thermal and structural studies of carbon coated $\text{Mo}_2\text{C}$ synthesized via in-situ single step reduction-carburization	Mir R.A., Sharma P., Pandey O.P.	SPMS	Scientific Reports	2017	2045-2322

Optimization of High Conducting Na <sub>3</sub> Zr <sub>2</sub> Si <sub>2</sub> PO <sub>12</sub> Phase by new Phosphate Salt for Solid	Jha P.K., Pandey O.P., Singh K.	SPMS	Silicon	2017	1876-9918
Development of ion conducting ionic liquid-based gel polymer electrolyte membrane PMMA/BMPyr.TFSI - With improved electrical, optical, thermal and structural	K.P S.H., Thayyil M.S., Deshpande S.K., T.V J., Kolte J.	SPMS	Solid State Ionics	2017	0167-2738
Effect of La on Magnetic Properties of BaFe <sub>12</sub> O <sub>19</sub>	Shekhawat D., Verma S., Sharma P.	SPMS	Transactions of the Indian Ceramic Society	2017	2165-5456
Study of cold fusion reactions using collective clusterization	Gurjit Kaur, Kirandeep Sandhu,	SPMS	Commun. Theor. Phys.	2017	0253-6102
Crystal structure and electronic properties of Sr-substituted barium disilicide Ba <sub>1-x</sub> Sr <sub>x</sub> Si <sub>2</sub> for solar cells: Computational and experimental studies	Imai M., Kumar M., Matsushita Y., Umezawa N.	SPMS	Acta Materialia	2018	1359-6454
Efficient photodegradation of methylene blue (MB) under solar radiation by ZrC	Singh Vig A., Gupta A., Pandey O.P.	SPMS	Advanced Powder Technology	2018	0921-8831
Elucidating doping driven microstructure evolution and optical properties of lead sulfide thin films grown from a chemical bath	Mohanty B.C., Bector K., Laha R.	SPMS	Applied Surface Science	2018	0169-4332
Optical and thermal properties of glasses and glass-ceramics derived from agricultural wastes	Sharma G., Arya S.K., Singh K.	SPMS	Ceramics International	2018	0272-8868
Structural, electrical, magnetic and magnetoelectric properties of Co-doped BaTiO <sub>3</sub> multiferroic	Rani A., Kolte J., Gopalan P.	SPMS	Ceramics International	2018	0272-8869
Influence of graphitic/amorphous coated carbon on HER activity of low temperature synthesized β-	Mir R.A., Pandey O.P.	SPMS	Chemical Engineering Journal	2018	1385-8947
Spontaneous fission of the end product in α -decay chain of recoiled superheavy nucleus: A theoretical study	Kaur A., Sawhney G., Sharma M.K., Gupta R.K.	SPMS	International Journal of Modern Physics E	2018	1793-6608
Nanoantibiotics: strategic assets in the fight against drug-resistant superbugs	Khurana C., Chudasama B.	SPMS	International journal of nanomedicine	2018	1178-2013

Conductivity, dielectric, and structural studies of (30-x) SrO-xBaO-10Al <sub>2</sub> O <sub>3</sub> -45SiO <sub>2</sub> -5B <sub>2</sub> O <sub>3</sub> -10Y <sub>2</sub> O <sub>3</sub> (5 ≤ x ≤ 25) glasses	Kaur N., Kaur G., Khan S., Singh K.	SPMS	Ionics	2018	1862-0760
Facile in-situ synthesis of NbB <sub>2</sub> nanoparticles at low	Gupta A., Singhal V., Pandey O.P.	SPMS	Journal of Alloys and Compounds	2018	0925-8388
Synthesis of molybdenum nitride (Mo <sub>2</sub> N) nanoflakes via in-situ reduction-nitridation	Sidana H.K., Mir R.A., Pandey O.P.	SPMS	Journal of Alloys and Compounds	2018	0925-8388
Burgeoning tool of biomedical applications - Superparamagnetic	Khanna L., Verma N.K., Tripathi S.K.	SPMS	Journal of Alloys and Compounds	2018	0925-8388
Template free synthesis route to monophasic BaMgAl <sub>10</sub> O <sub>17</sub> :Eu <sup>2+</sup> with high	Jeet S., Pandey O.P.	SPMS	Journal of Alloys and Compounds	2018	0925-8388
Influence of CuO/MgO ratio on the gene expression, cytocompatibility, and antibacterial/anticancerous/analgesic drug loading kinetics for (15-x) CuO-xMgO-10P <sub>2</sub> O <sub>5</sub> -60SiO <sub>2</sub> -10CaO-5ZnO (2.5 ≤ x ≤ 12.5) mesoporous	Bains R., Sharma P., Mir R.A., Jeet S., Kaur G., Pandey O.P.	SPMS	Journal of Biomedical Materials Research - Part A	2018	1552-4965
Cavity Soliton Molecules and All-Optical Push-Broom Effect	Kaur B., Jana S.	SPMS	Journal of Lightwave	2018	0733-8724
Effect of thermal aging on stability of transformer oil based temperature sensitive magnetic fluids	Kaur N., Chudasama B.	SPMS	Journal of Magnetism and Magnetic Materials	2018	0304-8853
Tunable Curie temperature of Mn <sub>0.6</sub> Zn <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles	Kaur N., Chudasama B.	SPMS	Journal of Magnetism and Magnetic	2018	0304-8853
Effect of Tb <sup>3+</sup> ion substitution on structural, optical and magnetic properties of CdS	Jindal S., Kaur K., Verma N.K., Sharma P.	SPMS	Journal of Materials Science:	2018	1573-482X
Role of pH on the photocatalytic activity of TiO <sub>2</sub> tailored by W/T mole ratio	Kaur H., Kumar S., Verma N.K., Singh P.	SPMS	Journal of Materials Science:	2018	1573-482X
Mechanical and thermal properties of SrO/BaO modified Y <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glasses and their compatibility with solid oxide fuel cell components	Kaur N., Kaur G., Kumar D., Singh K.	SPMS	Journal of Physics and Chemistry of Solids	2018	0022-3697
Aluminum and chromium substituted Z-type hexaferrites for antenna and microwave absorber applications	Basandrai D., Bedi R.K., Dhama A., Sharma J., Narang S.B., Pubby K.,	SPMS	Journal of Sol-Gel Science and Technology	2018	1573-4846

Intriguing role of TiO <sub>2</sub> in glass-ceramics: Bioactive and magneto-structural properties	Danewalia S.S., Singh K.	SPMS	Journal of the American Ceramic Society	2018	1551-2916
Size-dependent studies in ferromagnetic nanoparticles dispersed ferroelectric liquid crystal mixtures	Khushboo, Sharma P., Malik P., Raina K.K.	SPMS	Liquid Crystals	2018	1366-5855
Braunite phase embedded Y <sub>2</sub> O <sub>3</sub> /MnO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -CaO-SiO <sub>2</sub> glass ceramics and their	Bansal N., Kaur G., Singh K.	SPMS	Materials Research Bulletin	2018	0025-5408
Antimicrobial and bioactive phosphate-free glass-ceramics for bone tissue engineering applications	Jha P., Danewalia S.S., Sharma G., Singh K.	SPMS	Materials Science and Engineering C	2018	0928-4931
Heavy-ion collision dynamics: Correlation with elliptic flow and nuclear stopping	Deepshikha, Kumar S.	SPMS	Nuclear Physics A	2018	0375-9474
Investigation of nuclear stopping observable in heavy	Deepshikha, Kumar S.	SPMS	Nuclear Physics A	2018	0375-9474
Comprehensive study of memory loss for mass symmetric colliding nuclei at	Deepshikha, Kumar S.	SPMS	Nuclear Physics A	2018	0375-9474
Dynamics of <sup>17</sup> F + <sup>58</sup> Ni reaction via complete and incomplete fusion processes at above	Grover N., Sandhu K., Sharma M.K.	SPMS	Nuclear Physics A	2018	0375-9474
On the study of rotational effects in mass asymmetric colliding nuclei at intermediate	Kaur K., Kumar S.	SPMS	Nuclear Physics A	2018	0375-9474
Decay of Plutonium isotopes via spontaneous and heavy-ion induced fission paths	Sharma K., Sawhney G., Sharma M.K.,	SPMS	Nuclear Physics A	2018	0375-9474
Effect of deformations on the compactness of odd-Z superheavy nuclei formed in cold and hot fusion reactions	Kaur G., Sandhu K., Sharma M.K.	SPMS	Nuclear Physics A	2018	0375-9474
Analysis of intermediate and light mass fragments from composite systems <sup>26–29</sup> Al formed in <sup>16,18+10,11</sup> B	Kaur M., Singh B., Sharma M.K., Gupta R.K.	SPMS	Nuclear Physics A	2018	0375-9474
Fragmentation analysis of $\alpha$ -induced reactions using clusterization approach	Kaur A., Sharma M.K.	SPMS	Nuclear Physics A	2018	0375-9474
Multiferroic properties of Sr-doped BiFeO <sub>3</sub> nanoparticles	Dhir G., Uniyal P., Verma N.K.	SPMS	Physica B: Condensed	2018	0921-4526

Optical, Physical and Structural Properties of Er <sup>3+</sup> Doped Low-Phonon Energy Vitreous Matrix: ZnO-B <sub>2</sub> O <sub>3</sub> -TeO <sub>2</sub>	Chopra N., Kaur S., Kaur M., Singla S., Marwaha R., Sharma G., Heer	SPMS	Physica Status Solidi (A) Applications and Materials	2018	1862-6319
Interplay of charge clustering and weak binding in reactions of Li 8	Cook K.J., Carter I.P., Simpson E.C., Dasgupta M., Hinde D.J., Bezzina L.T., Kalkal S.,	SPMS	Physical Review C - Nuclear Physics	2018	2469-9993
Dynamics of Db isotopes formed in reactions induced by U 238, Cm 248, and Bk 249 across the Coulomb barrier	Kaur G., Sandhu K., Kaur A., Sharma M.K.	SPMS	Physical Review C - Nuclear Physics	2018	2469-9993
Analysis of strong decays of charmed mesons D <sub>2</sub> * (2460), D <sub>0</sub> (2560), D <sub>2</sub> (2740), D <sub>1</sub> (3000), D <sub>2</sub> * (3000), and their spin partners D <sub>1</sub> * (2680), D <sub>3</sub> *	Gupta P., Upadhyay A.	SPMS	Physical Review D	2018	2470-0029
Stability and phase space analysis of fluidized-dense phase pneumatic transport	Kaur B., Mittal A., Jana S., Mallick S.S., Wypych P.	SPMS	Powder Technology	2018	0032-5910
Room temperature magnetoelectric and magnetodielectric properties of 2–2 bilayer 0.50Pb (Ni <sub>1</sub> /3Nb <sub>2</sub> /3)	Ade R., Karthik T., Kolte J., Sambasiva V., Kulkarni A.R., Venkataramani N.	SPMS	Scripta Materialia	2018	1359-6462
Origin of enhanced piezoelectric properties and room temperature multiferroism in MnO <sub>2</sub> added 0.90(Li <sub>0.12</sub> Na <sub>0.88</sub> NbO <sub>3</sub> )-	Mitra S., Karthik T., Kolte J., Ade R., Venkataramani N., Kulkarni A.R.	SPMS	Scripta Materialia	2018	1359-6462
Role of oxygen vacancies in Ag/Au doped CeO <sub>2</sub> nanoparticles for fast	Mittal M., Gupta A., Pandey O.P.	SPMS	Solar Energy	2018	0038-092X
Visible irradiation induced photodegradation by NbC/C nanocomposite derived from smoked cigarette litter (filters)	Gupta A., Pandey O.P.	SPMS	Solar Energy	2018	0038-092X
Effect of dual particle size (DPS) on dry sliding wear behaviour of LM30/sillimanite composites	Sharma S., Nanda T., Pandey O.P.	SPMS	Tribology International	2018	0301-679X
Hydrothermal synthesis of Eu <sup>3+</sup> -doped Gd <sub>2</sub> O <sub>3</sub> nanophosphors and its Judd-Ofelt analysis	Priya R., Pandey O.P.	SPMS	Vacuum	2018	0042-207X
Influence of carbon content of nano-TaC powders on the electrocatalytic and	Loveleen K. Brar, Aayush Gupta, O. P. Pandey	SPMS	Catalysis Today	2018	0920-5861