

**INTERNATIONAL CONFERENCE ON MULTIFUNCTIONAL OXIDE MATERIALS  
ICMOM 2009  
APRIL 16 – 18, 2009**

*Organized by: Department of Physics Himachal Pradesh University Shimla*

**TENTATIVE PROGRAMME**

**16 April 2009**

Registration:	8:30 – 9:30 hrs.
Inaugural Session:	9:30 – 11:00hrs
Welcome:	Dr. Mahavir Singh
Inaugural address:	Prof. Sunil Kumar Gupta <i>(Vice – chancellor HPU)</i>
Address Chief Guest:	Prof. R K Chauhan Secretary UGC
Vote of Thanks:	Dr. Nagesh Thakur
Keynote Address:	Prof. S. B. Krupanidhi

Hi - Tea: 11:05 – 11:30hrs

<i>Session:1</i>	<i>Speaker</i>	<i>Lecture</i>	<i>Title of Talk</i>
Time: 11:30 – 13:30 Chairpersons:	Prof. G.. H. Aydogdu	IT 11:30 – 12:00	Phase separation in La <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> Epitaxial Films
	Prof. I. Dass	IT 12:00 - 12:30	Charge ordering in manganites nanoparticles
	Dr. S. M. Yusuf	IT 12:30 – 13:00	Functional Oxide Nanomaterials: Magnetic Properties and Possible Applications
	Ms. Arpita Nath	OP 13:00 – 13:10	Optical response of metal oxide nanoparticles synthesized via pulsed laser ablation in water
	M.P. Chowdhury	OP 13:10 – 13:20	Field emission properties of vertically grown carbon nanowalls
	Ms. Kamalpreet Khun Khun	OP 13:20 – 13:30	Chemical synthesis, characterization and gas sensing properties of nanosized SnO <sub>2</sub> powder

Lunch: 13:30 – 14:30hrs

<i>Session:2</i>			
Time: 16:00 – 18:00 Chairpersons: Dr. S. M. Yusuf	Prof. K. K. Raina	IT 14:30 – 15:00	Morphological Investigation and Supra-molecular behaviour in some novel functional materials for nanodevices
	Prof. R. P. Tandon	IT 15:00 – 15:30	Oxides for Technological Applications
	Prof. H. S. Bhatti	IT 15:30 – 16:00	Nanomaterials for Phosphor and Photocatalytic Applications
	Ms. Dolly Singh	OP 16:00 – 16:10	Effect of SHI on the optical and electrical properties of HDPE /carbon black composites
	Mr. Amar Srivastava	OP 16:10 – 16:20	Temperature Dependent Impedance Spectroscopy Studies of BiFe <sub>1-x</sub> Zr <sub>x</sub> O <sub>3</sub> (x=0.0, 0.05) Thin Films
	Mr. Ajay Kaushal	OP 16:20 – 16:30	Effect of ZnO thickness in stable ZnO/MgO Multilayer thin films using pulsed laser deposition technique

	Dr. Anjana Dogra	OP 16:30-16:40	Irradiation effect on GMR Properties of CoCu/Cu Multilayers
	Dr. Atul Thakur	OP 16:40-16:50	Study of Ni-Zn-Co nanoferrites in UHF range
	Ms. Shailja Tiwari	OP 16:50-17:00	Growth and characterization of Fe <sub>3</sub> O <sub>4</sub> nano-structures on GaAs
Tea: 17:00-17:15			
Poster Session {PS – I, All odd Poster Nos.} 17:15-18:45, Poster Nos.			
Poster Size: 1× 1 meter			
Dinner: 20:00 – 21:30hrs			

### 17 April 2009

<b>Session:3</b> Time: 9:00 – 11:20	<b>Speaker</b>	<b>Lecture</b>	<b>Title of the talk</b>
	Prof. L. Alff	IT 9:00 – 9:30	Ferrimagnetic double perovskite materials for spintronics
	Prof. S. I. Patil	IT 9:30 – 10:00	Role of synthesis route on the physical properties of Mn doped ZnO
	Dr. Ravi Kumar	IT 10:00 – 10:30	A review of spintronics materials and their applications
	Dr. S. J. Patwe	OP 10:30 – 10:40	Structure and Magnetic property of multifunctional Bi <sub>7</sub> Fe <sub>3</sub> Ti <sub>3</sub> O <sub>21</sub>
	Ms. Amandeep Kaur Bal	OP 10:40 – 10:50	Properties and sensor performance of thermally oxidized Zn films
	Dr. O.P. Thakur	OP 10:50 – 11:00	Improvement in Electro-strain behavior by La <sup>3+</sup> substitution in lead free Ba Zr <sub>0.05</sub> Ti <sub>0.95</sub> O <sub>3</sub> Ceramics
	Dr. S.Gautam	OP 11:00 – 11:10	Electronic structure studies of Fe Doped ZnO
	Dr. S.K. Tripathi	OP 11:10 – 11:20	Swift heavy ion induced changes on a –GeSeAg Thin films
Tea: 11:20 – 11:30hrs			
<b>Session:4</b> Time: 11:30 – 13:30 Chairpersons:	Prof. S. Patnaik	IT 11:30 – 12:00	Multiferroicity in spin frustrated Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> and Ni <sub>3</sub> V <sub>2</sub> O <sub>8</sub>
	Dr. V. R. Reddy	IT 12:00 – 12:30	Study of weak ferromagnetism in multiferroic BiFeO <sub>3</sub> with chemical substitution
	Dr. Ram Janay Choudhary	IT 12:30 – 13:00	Exploring room temperature ferromagnetism in pulsed laser deposited thin films of undoped and Fe doped MoO <sub>2+d</sub> .
	Dr. S. Mollah	OP 13:00 – 13:10	Effect of SHI irradiation on multiferroic BiMn <sub>2</sub> O <sub>5</sub>
	Dr. Abhinav Pratap Singh	OP 13:10 – 13:20	Synthesization and characterization of single phase Ni doped ZnO thin films using the technique of ion implantation and swift heavy ion irradiation
	Dr. Sushil Kumar Singh	OP 13:20 – 13:30	Multiferroic BiFeO <sub>3</sub> Thin Films for Next Generation Ferroelectric RAM Memory

Lunch: 13:30 – 14:30hrs
Site Scene: 14:30 – 18:30
Cultural Programme: 19:00-20:30
Dinner: 20:30 – 22:00hrs

**18 April 2009**

<i>Session:5</i>	<i>Speaker</i>	<i>lecture</i>	<i>Title of the Talk</i>
Time: 9:00 – 11:00 Chairpersons:	Dr. P. Thakur	IT 9:00 – 9:30	X-ray absorption and magnetic circular dichroism study of the magnetic interaction in spinel $\text{Bi}_x\text{Co}_{2-x}\text{MnO}_4$ thin films
	Dr. Mahavir Singh	IT 9:30 – 10:00	Interesting magnetic properties of nickel-zinc ferrite at nano level
	Dr. N. S. Negi/ Prof. P. K. Ahluwalia	IT 10:00 – 10:30	Multiferroic properties in iron doped $\text{PbTiO}_3$ thin films
	Dr. B.N. Wani	OP 10:30 – 10:40	Effect of Mn substitution on Crystal Structure, Electrical conductivity and Thermal expansion of $\text{LaFeO}_3$
	Mr. Nital R. Panchal	OP 10:40 – 10:50	Structural and thermal properties of Strontium hexaferrite particles prepared by different routes
	Ms. Alka Deshmukh	OP 10:50 – 11:00	Effect of Iron doping on the valence band, resistivity and magnetization of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$
Tea: 11:00 – 11:15hrs			
<i>Session:6</i> Time: 11:15 – 13:15 Chairpersons:	Dr.A.K.Sharma	IT 11:15 – 11:45	Shock Wave Working of Materials: Test Methodologies
	Dr. S. Bandyopadhyay	OP 11:45 – 11:55	Synthesis and characterization of single phase Mn doped ZnO
	Dr. Sudhindra Rayaprol	OP 11:55-12:05	Dielectric Response of Manganocuprates, $\text{Ln}_3\text{Ba}_2\text{Mn}_2\text{Cu}_2\text{O}_{12}$ ( $\text{Ln} = \text{Eu, Gd}$ )
		OP 12:05 – 12:15	
Poster Session {PS – II, All even Poster Nos.}: 12:15 – 14:00hrs			
Poster Size: 1× 1 meter			
Lunch: 14:00-15:00hrs			
Valediction Function: 15:00 – 16:00			

KN – Keynote address (30-35min)

OP – Oral Presentation (10 min)

IT – Invited Talk (30 min)

## *List of Poster Presentations ICMM-2009*

Poster No.	Name	Institute/e-mail/Ph. No.	Title of the Poster
PS - 1	Prof. J.A.E. Desa Mr. Wilson vaz	Goa University, Taleigao Plateau, Goa <a href="mailto:edesea@unigoa.ac.in">edesea@unigoa.ac.in</a>	Optical absorpton, luminescence and Raman spectroscopic studies of rare-earth doped phosphate glasses
PS - 2	Mr. A. Gupta	R. B. S. College, Agra <a href="mailto:abhiphys@gmail.com">abhiphys@gmail.com</a>	Modifications in metal/metal-oxide thin films by swift heavy ion irradiation
PS - 3	Mr. A.T. Pathan	Department of Electronics, The New College, Kolhapur-416014 <a href="mailto:amshaikh7@hotmail.com">amshaikh7@hotmail.com</a> <a href="mailto:asrar.pathan@rediffmail.com">asrar.pathan@rediffmail.com</a>	Influence of Co <sup>2+</sup> ions on Structural and Magnetic properties of Li-Ni-Zn Nanostructured Ferrites prepared through chemical route
PS - 4	Dr. A.P. Gnana Prakash Mr. K. C. Praveen	University of Mysore, Manasagangotri, Mysore, Karnataka <a href="mailto:gnanaprakash@physics.uni-mysore.ac.in">gnanaprakash@physics.uni-mysore.ac.in</a> , <a href="mailto:gnanap@hotmail.com">gnanap@hotmail.com</a>	The Effects of High Energy Hydrogen Ion Irradiation on Emitter-Base Spacer Oxide and Shallow Trench Isolation Oxide of Advanced SiGe HBTs
PS - 5	Ms. Abida	Institute of Technology, Shrinagar, J & K <a href="mailto:abida.nit@gmail.com">abida.nit@gmail.com</a>	X Ray Absorption studies of Ni doped NdFe <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> (x ≤ 0.5)
PS - 6	Ms. Ambika	Department of Physics, Jaypee University of Information Technology, Wahnaghat, Solan, H.P. <a href="mailto:ambikasharma2004@yahoo.co.in">ambikasharma2004@yahoo.co.in</a>	Determination of optical band gap of amorphous Ge <sub>20</sub> Te <sub>80-x</sub> Bi <sub>x</sub> thin films using their transmission and reflection spectra
PS - 7	Mr. Muhamed Shareeq Mr. Arham S. Ahmed	Department of physics , AMU Aligarh <a href="mailto:azam222@rediffmail.com">azam222@rediffmail.com</a>	The Kinetics of langmuir – Blodgett ZnO Nano- Film Deposition for sensing Electrodes
PS - 8	Mr. Amit Khare	Department of Physics, Barkatullah Univ,Bhopal	Study of Structural and Transport Properties of Ce doped La <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub>

		<a href="mailto:khareamit21@gmail.com">khareamit21@gmail.com</a>	
PS - 9	Ms. Charu Dwivedi	B.A.R.C., Trombay, Mumbai <a href="mailto:cdwivedi@barc.gov.in">cdwivedi@barc.gov.in</a>	Organic Acids-induced Synthesis of PVA-stabilized Selenium Nanoparticles
PS - 10	Ms. Archana Maurya	University of Allahabad <a href="mailto:archanamaurya9@gmail.com">archanamaurya9@gmail.com</a> <a href="mailto:nanomateriallab@gmail.com">nanomateriallab@gmail.com</a>	CdS/TiO <sub>2</sub> Nanocomposites for Solar Cell Application
PS - 11	Mr. Aritra Banerjee	University of Calcutta 92, Acharya Prafulla Chandra Road, Kolkata <a href="mailto:arbphy@caluniv.ac.in">arbphy@caluniv.ac.in</a>	Effect of ion irradiation on resistive nature and positron lifetime of Mn doped ZnO
PS - 12	Mr. B. P. Mandal	Bhabha Atomic Research Centre Mumbai <a href="mailto:bpmandal@barc.gov.in">bpmandal@barc.gov.in</a>	Nano crystalline Nd <sub>2.3</sub> Gd <sub>7</sub> Zr <sub>2</sub> O <sub>7</sub> pyrochlore : A simple approach to synthesis and its electrical characterization
PS - 13	Mr. B.L.Choudhary	University of Rajasthan, Jaipur Email: <a href="mailto:blcphysics@gmail.com">blcphysics@gmail.com</a>	Size Dependence of Magnetoresistive Behaviour of Nano-Particle Magnetite
PS - 14	Ms. Deepshikha Bhargava	Department of Physics, Barkatullah Univ,Bhopal <a href="mailto:khareamit21@gmail.com">khareamit21@gmail.com</a>	Structural and Transport Properties of Sn doped LaMnO <sub>3</sub>
PS - 15	Mr. Chaturbhuj Ojha	Jiwaji University, Gwalior <a href="mailto:cbophy@yahoo.co.in">cbophy@yahoo.co.in</a> <a href="mailto:ashwaniaks@rediffmail.com">ashwaniaks@rediffmail.com</a>	Synthesis and Characterization of NiFe <sub>2</sub> O <sub>4</sub> Nanoparticles at Room Temperature
PS - 16	Mr. D. Mandal	Jadavpur University, 188 Raja S. C. Mallik Road, Kolkata	Phase change by X-ray irradiation on P(VDF-TrFE) Copolymer film

PS - 17	Mr. Deepak	Indian Institute of Technology Roorkee, Roorkee <a href="mailto:dkaurfph@iitr.ernet.in">dkaurfph@iitr.ernet.in</a>	Pulsed Laser Deposition of $\text{Sr}_2\text{FeMo}_x\text{W}_{1-x}\text{O}_6$ double perovskite thin films
PS - 18	Mr. Debangsu Koy	Indian Institute of Science Bangalore <a href="mailto:debangsu@physicsiisc.ernet.in">debangsu@physicsiisc.ernet.in</a>	Observation of the exchange spring behavior in hard-soft- ferrite nanocomposite
PS - 19	Ms. Devki Chauhan	Aligarh Muslim University, Aligarh <a href="mailto:devki.chauhan@gmail.com">devki.chauhan@gmail.com</a>	100 MeV $\text{Ni}^{57}$ ion irradiation of $\text{MoO}_x$ thin films grown by pulsed laser deposition
PS - 20	Ms G. Anjum	Department of Physics, Aligarh Muslim University, Aligarh-202002, India.  Inter University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi, India. <a href="mailto:ghazal_khan@rediffmail.com">ghazal_khan@rediffmail.com</a>	Magnetoelectric multiferroic $\text{La}_{0.8}\text{Bi}_{0.2}\text{Fe}_{0.7}\text{Mn}_{0.3}\text{O}_3$ ceramic
PS - 21	Ms. Gagan Dixit	G. B. Pant Univ. of Ag. & Tech., Pantnagar <a href="mailto:gagandikshit@yahoo.in">gagandikshit@yahoo.in</a>	Annealing Effect on the Structural and Magnetic Properties of Nickel Ferrite Thin Films
PS - 22	Dr. H S Tewari	Guru Ghasidas University, Bilaspur <a href="mailto:tewari.hs@gmail.com">tewari.hs@gmail.com</a>	Microstructural studies on (Ba, La) (Sn Co)O <sub>3</sub> ceramics using complex impedance spectroscopy
PS - 23	Mr. Iqbal Singh	Guru Nanak Dev University, Amritsar <a href="mailto:iqbalsgh@yahoo.com">iqbalsgh@yahoo.com</a>	CuO Thick Film Sensor to Detect Ammonia at Room Temperature
PS - 24	J. P. Singh	G. B. Pant Univ. of Agriculture and Technology, Pantnagar  Uttarakhand <a href="mailto:email_jps@yahoo.co.in">email_jps@yahoo.co.in</a>	Magnetic and Optical Studies of SHI Irradiated Nanostructured Zinc Ferrite

PS - 25	Mr. Yogesh Kumar	IUAC, New Delhi <a href="mailto:lucky1708@gmail.com">lucky1708@gmail.com</a>	Synthesis and Characterization of single phase multiferroics $\text{Bi}_{1-x}\text{Ca}_x\text{FeO}_3$ ( $0.1 \leq x \leq 0.5$ )
PS - 26	Mr. Arvind Nautiyal,	Indian Institute of Technology Roorkee, <a href="mailto:nautydph@iitr.ernet.in">nautydph@iitr.ernet.in</a>	Polarization switching in cesium nitrate; poly (vinyl alcohol) composite films
PS - 27	Ms. Kamalpreet Khun Khun	Guru Nanak Dev University, Amritsar 143005, Punjab, India <a href="mailto:kamal_minty@rediffmail.com">kamal_minty@rediffmail.com</a>	Chemical synthesis, characterization and gas sensing properties of nanosized $\text{SnO}_2$ powder
PS - 28	Mr. Manish Taunk	National Institute of Technology Hamirpur-177005 (HP) India. Email: <a href="mailto:mtaunk@nitham.ac.in">mtaunk@nitham.ac.in</a>	Synthesis and temperature dependant electrical Conductivity of Polypyrrole-Poly(vinylidene fluoride) composite films
PS - 29	Ms. Suman Verma	Guru Jameashwar University Hisar	Optical studies of nanocrystalline ZnO thin films
PS - 30	Mr. Muneer Ahmad	Department of Applied Physics, Guru Nanak Dev University, Amritsar-Punjab, India E-mail: <a href="mailto:muneer.gndu@gmail.com">muneer.gndu@gmail.com</a>	Effect of Bi substitution on the structural and optical properties of quaternary Sn-Sb-Bi-Se chalcogenide glasses
PS - 31	Ms N. Pushpa	University of Mysore, Manasagangotri, Mysore, Karnataka <a href="mailto:pushpa_gnp@hotmail.com">pushpa_gnp@hotmail.com</a>	The Effects of 50 MeV $\text{Li}^{2+}$ Ion Irradiation on Emitter-Base Spacer Oxide of Silicon RF Power Transistors
PS - 32	Mr. N.E. Rajeevan	University of Calicut, Kerala <a href="mailto:rajeevneclt@gmail.com">rajeevneclt@gmail.com</a>	Effect of Bi-substitution on the magnetic properties of PLD grown $\text{Co}_2\text{MnO}_4$ thin films on LAO
PS - 33	Mr. Naresh Kumar	Department of Physics, Barkatullah University, Bhopal <a href="mailto:nareshphy@gmail.com">nareshphy@gmail.com</a>	Double Peak Behavior of Resistivity-Temperature Curves in $(\text{Nd/Pr})_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ Manganites
PS - 34	Mr. Navneet Singh Mr. Parmjeet	Department of Applied Physics, Guru Jambheshwar University of Science & Technology, Hisar <a href="mailto:ndhanda16@gmail.com">ndhanda16@gmail.com</a>	Effect of sintering temperature on Structure of nanocrystalline $\text{Ni}_{0.5}\text{Cu}_{0.1}\text{Li}_{0.8}\text{Fe}_2\text{O}_4$ spinel ferrite

PS - 35	Ms. Neeti Tripathi	Department of Physics and Astrophysics, University of Delhi, Delhi-110007, India	SHI irradiation induced defect emission in Indium oxide thin films
PS - 36	Ms. Kamla Pandey	G. B. Pant University of Agriculture, Pantnagar <a href="mailto:pandy9k@gmail.com">pandy9k@gmail.com</a>	Structural and Magnetic Properties of Nanostructured $Ni_{1-x}Zn_xFe_2O_4$
PS - 37	Dr. R. Dhar	University of Allahabad, Allahabad <a href="mailto:dr_ravindra_dhar@hotmail.com">dr_ravindra_dhar@hotmail.com</a>	Electrical and electro-optical properties of (S)-(+)-4-(1-methylheptyloxycarbonyl)phenyl 4'-(6-octanoyloxyhex-1-oxy)biphenyl-4-carboxylate in its ferro- and anti ferro-electric phases
PS - 38	Mr. R. H. Kadam	Department of Physics, Shrikrishna College, Gunjoti, Tq. Omerga, Dist. Osmanabad, (M.S.) India <a href="mailto:ram111612@yahoo.co.in">ram111612@yahoo.co.in</a>	Measurement of atomic number and mass attenuation coefficient in magnesium ferrite
PS - 39	Mr. C. C. Chauhan	Gujarat University, Ahmedabad, Gujarat, India. <a href="mailto:rbjotania@gmail.com">rbjotania@gmail.com</a>	Microstructural, Thermal and Dielectric properties of cobalt doped Ba-Ca hexaferrite prepared by a Stearic acid gel route
PS - 40	Mr. Atul Kumar Gupta	University of Allahabad, <a href="mailto:ram_kripal2001@rediffmail.com">ram_kripal2001@rediffmail.com</a>	Synthesis of Mn doped ZnO quantum dots and their applications as light emitting diodes
PS - 41	Mr. Manoj Kumar Sharma	Institute of Technology Delhi, New Delhi <a href="mailto:manojphy@rediffmail.com">manojphy@rediffmail.com</a>	Nickel Doped High-k Dielectric $HfO_2$ : Room Temperature Ferromagnetism
PS - 42	Ms. Renu Choithrani	Barkatullah University, Bhopal <a href="mailto:renuchoithrani@gmail.com">renuchoithrani@gmail.com</a>	Lattice dynamical study of multiferroic $HoMnO_3$

PS - 43	Dr. S. B. Sheike Dr. Mane Dhanraj Raghwan Dr. Kadam Ankush Baburao	Madhavrao Patil College, Murum, Tq. Omerga, Dist. Osmanabad, (M.S.) <a href="mailto:ram111612@yahoo.co.in">ram111612@yahoo.co.in</a>	Effect of nonmagnetic trivalent Al <sup>3+</sup> substitution on the structural and magnetic properties of copper ferrite
PS - 44	Ms. S. Rani	Apeejay College of Engineering, Sohna (Gurgaon), Haryana <a href="mailto:sonam_aish@yahoo.co.in">sonam_aish@yahoo.co.in</a>	Effect of Bi <sub>2</sub> O <sub>3</sub> on the dynamics of lithium ions in phosphate glasses
PS - 45	Ms. Charita Mehta	Panjab University, Chandigarh <a href="mailto:surya@pu.ac.in">surya@pu.ac.in</a>	Chemical deposition of nanocrystalline ZnSe thin films at different temperatures
PS - 46	Mr. S.R. Suthar	Physics Department, Muni.Arts & U. B. Science college, Mehsana, Gujarat <a href="mailto:Shaileshsuthar2001@yahoo.co.in">Shaileshsuthar2001@yahoo.co.in</a>	Etching study of Mn <sup>2+</sup> doped calcium tartrate tetrahydrate crystals
PS - 47	Mr. Pushpendra Kumar	Dayalbagh Educational Institute, Agra <a href="mailto:sahabdass@yahoo.com">sahabdass@yahoo.com</a>	Ultrasonic assisted synthesis of nanostructured SrTiO <sub>3</sub> for photoelectrochemical splitting of water
PS - 48	Mr. Falah I. Mustafa	Panjab University, Chandigarh <a href="mailto:surya@pu.ac.in">surya@pu.ac.in</a>	Phase transition studies in In <sub>x</sub> Se <sub>1-x</sub> thin films
PS - 49	Mr. Jasim M. Abbas	Panjab University, Chandigarh <a href="mailto:surya@pu.ac.in">surya@pu.ac.in</a>	Preparation and characterization of Cd <sub>1-x</sub> Zn <sub>x</sub> S quantum dots
PS - 50	Mr. Sanjeev K. Gupta	Central Electronics Engineering Research Institute, Pilani <a href="mailto:sanjeevgkp@gmail.com">sanjeevgkp@gmail.com</a>	Schottky emission across thermally grown oxide on epitaxial 4H-SiC substrate
PS - 51	Mr. Santosh S. Jadhav Mr. Kawala Ravi Sopanrao	D. S. M. College, Jintur, Parbhani, (M.S.) <a href="mailto:santosh.jadhav28@yahoo.com">santosh.jadhav28@yahoo.com</a>	Dielectric behaviour study of nanocrystalline Ni <sub>0.6</sub> Zn <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub>

PS - 52	Mr. Shashank IN	Kuvempu University, Shankaraghatta <a href="mailto:ku_shashank@rediffmail.com">ku_shashank@rediffmail.com</a>	Characterization of Si-SiO <sub>2</sub> interface traps in <sup>60</sup> Co-gamma irradiated p-Channel MOSFETs by I-V and C-V techniques
PS - 53	Ms. Shikha Gupta	Panjab University, Chandigarh <a href="mailto:surya@pu.ac.in">surya@pu.ac.in</a>	Laser, plasma and annealing effects on the optical constants and surface morphology of III-VI layered thin films
PS - 54	Mr. Sudesh Sharma	Department of physics IIT Dehli, <a href="mailto:Sudesh00781@yahoo.com">Sudesh00781@yahoo.com</a>	Co-incorporated TiO <sub>2</sub> thin films exhibiting room temperature ferromagnetism
PS - 55	Mr. Sumanta Kumar Meher	Indian Institute of Technology Madras, Chennai <a href="mailto:skmiitm@gmail.com">skmiitm@gmail.com</a>	Synthesis, morphology and electrochemical studies of mesoporous nickel oxide
PS - 56	Mr. Sunil Kumar	Guru Nanak Dev University, Amritsar, Punjab <a href="mailto:sunil_phy6@yahoo.co.in">sunil_phy6@yahoo.co.in</a>	Swift heavy ion induced modification in the band-gap of Zn <sub>1-x</sub> Co <sub>x</sub> O thin films prepared by Sol-gel method
PS - 57	Mr. C. H. Srinivasu Mr. R. Vijaykumar	Osmania University, Hyderabad, INDIA <a href="mailto:kumar_nizamian@yahoo.co.in">kumar_nizamian@yahoo.co.in</a>	FT-infrared and Raman spectroscopic studies of LiF-Li <sub>2</sub> O-SrO-Bi <sub>2</sub> O <sub>3</sub> glasses
PS - 58	Mr. T. C. Jagadale1,	National Chemical Laboratory, Dr. Homi Bhabha Road, Pune <a href="mailto:sb.ogale@ncl.res.in">sb.ogale@ncl.res.in</a>	Anatase Fe-doped TiO <sub>2</sub> : Diluted Magnetic Semiconductor Nanoparticles by Sol-Gel Method
PS - 59	Ms. Urvasni Verma	Jiwaji University, Gwalior <a href="mailto:ashwaniaks@rediffmail.com">ashwaniaks@rediffmail.com</a> <a href="mailto:u_verma83@rediffmail.com">u_verma83@rediffmail.com</a>	SEM Studies of Cd <sub>1-x</sub> Pb <sub>x</sub> S Thin Films
PS - 60	Prof. V. Chandra Mouli	Department of Physics, Osmania University, Hyderabad, 500 007, India <a href="mailto:vorucm90@yahoo.com">vorucm90@yahoo.com</a>	Glass transition temperature-structural studies of tungstate tellurite glasses

PS - 61	Mr. M. Mubarak Ali	Department of Chemistry, Periyar University, Salem-636011, Tamil Nadu, India <a href="mailto:alaguraj2@rediffmail.com">alaguraj2@rediffmail.com</a>	Corrosion Resistance of Ultra hard Ceramic Nanocomposite Coatings by Anodic oxidation on aluminium
PS - 61	Ms. Vandana Ranga	Government College, Ajmer <a href="mailto:a.vandana20@gmail.com">a.vandana20@gmail.com</a> , <a href="mailto:vandana.ranga@gmail.com">vandana.ranga@gmail.com</a>	Raman spectroscopy of aged rare earth doped glasses
PS - 62	Mr. Vikas Thakur	Jiwaji University, Gwalior <a href="mailto:vikas_thakur89@yahoo.com">vikas_thakur89@yahoo.com</a>	Growth of ZnO nanocrystals by Chemical Route
PS - 63	Mr. Vivek Sheel	Guru Nanak Dev University, Amritsar <a href="mailto:chemsheel@yahoo.co.in">chemsheel@yahoo.co.in</a>	Aqueous Phase Bovine Serum Albumin Controlled Synthesis and Characterization of BSA-Chalcogenide Bio-conjugate Nano- and Micro-crystals
PS - 64	Ms. Priya Tripathi	Agra college, B. R. Ambedkar University Agra	Effect of particle size on structural transitions in zinc sulfide - AB initio method
PS - 65	Mr. B.K. Sharma	Dr. B. R. Ambedkar Univ. Agra <a href="mailto:Bks_phys@rediffmail.com">Bks_phys@rediffmail.com</a>	Self-consistent pseudo potential formalism for electronic properties of GaN
PS - 66	Dr. G. K. Naik Mr. P. P. Naik Ms. Mrunal A. Patil	Goa University <a href="mailto:Pranavnaik2007@rediffmail.com">Pranavnaik2007@rediffmail.com</a>	Microwave assisted and normal auto combustion synthesis of nanoparticle Ni <sub>0.6</sub> Co <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> ferrite characterization Magnetic....
PS - 67	Ms. Pallavi Pandit	UGC-DAE Indore <a href="mailto:pallavi.pndt@gmail.com">pallavi.pndt@gmail.com</a>	Preparation and characterization of ultra-thin films of PMMA using Langmuir-Blodgett technique
PS - 68	Ms. Ranjeeta Gupta	UGC-DAE Indore <a href="mailto:ranjeetagupta@csr.ernet.in">ranjeetagupta@csr.ernet.in</a>	Effect of internal stresses on the properties of $\alpha$ - iron nitride
PS - 69	Mr. Rajesh Kumar	Jaypee University solan <a href="mailto:Rajeshkumar11@gmail.com">Rajeshkumar11@gmail.com</a>	MnO controlled growth of SiO <sub>2</sub> Nano - wires
PS - 70	Dr. Aparna Banerjee	PDD RC&I Group, BARC Mumbai, India <a href="mailto:aparnab@barc.gov.in">aparnab@barc.gov.in</a>	Thermodynamic studies on Ho <sub>2</sub> Ru <sub>2</sub> O <sub>7</sub> (s) in the Ho-Ru-O system

PS - 71	Ms. Bhagwati S. Bishnoi	M. S. University Baroda, Gujrat <a href="mailto:Bishnoi29charm@gmail.com">Bishnoi29charm@gmail.com</a>	Structural and dielectric relaxation study of Sr(Co <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> [SCN]
PS - 72	Mr. MK Sharma	TBRL, Sector – 30, Chandigarh <a href="mailto:madan_tbrl@rediffmail.com">madan_tbrl@rediffmail.com</a>	Computer simulation on shock consolidation of metal powder
PS - 73	MR. R. S. BISHT	TBRL, Sector – 30, Chandigarh <a href="mailto:madan_tbrl@rediffmail.com">madan_tbrl@rediffmail.com</a>	INSTRUMENTED DETONICS FOR SHOCK COMPACTION OF POWDER MATERIALS
PS - 74	Mr. Y. K. Joshi	Terminal Ballistics Research Laboratory, Sector – 30, Chandigarh <a href="mailto:yugalkjoshi@gmail.com">yugalkjoshi@gmail.com</a>	Performance of Energetic Materials and their Detonation effects for Powder Compaction