

Day-wise Poster Schedule

Poster Session – I (04 December 2023)	
Poster ID	Title of abstract
Category C: Magnetic Thin Films	
D1-001	Linear Non-Hysteretic Bipolar Response of Spin Valve Structure through Soft Biased Free Layer <i>Tejaswini C. Gawade ; P. Chowdhury.</i>
D1-002	Study of Gd/Co multilayers with different cobalt layer thickness values. <i>Smritiparna Ghosh; Rakhul Raj; ManikKuila; Dileep Kumar; M. Gupta; V. Raghavendra Reddy.</i>
D1-003	Exchange bias in Fe ₃ O ₄ films: Correlation with film thickness and cooling field <i>Aritra Ray, Perumal Alagarsamy</i>
D1-004	Thickness dependent surface morphology, electrical and magnetic properties of single layer amorphous HITPERM based thin films <i>Didwmscha Goyari, Perumal Alagarsamy</i>
D1-005	Effect of thickness on magnetic and transport properties in off-stoichiometric Co ₂ Fe _{0.5} Ti _{0.5} Si quaternary Heusler alloy thin films <i>MainurRahaman; Lanuakum A. Longchar; Rajeev Joshi; R. Rawat; M. Manivel Raja; S. N. Kaul and S. Srinath</i>
D1-006	Magnetic Proximity Effect in Oxide Heterostructures <i>Suryakanta Mondal, Naveen Negi, Sourabh Bhadra, Pratap Kumar Sahoo, Bhagwati Prasad</i>
D1-007	Magnetocaloric effect in Gd ₂ NiMnO ₆ double perovskite thin films <i>Amitava Ghosh, R C Sahoo, Sachindra Nath Sarangi, Mithun Ghosh, DebakantaSamal, P. S. Anil Kumar, Zakir Hossain and Chanchal Sow</i>
D1-008	Electrical and Magneto-transport properties of RF sputtered Fe ₃ O ₄ thin films <i>Jyotirmoy Roy; Pajjuru Ravi Teja; Ramesh Babu Gangineni</i>
D1-009	Probing defect-induced room temperature ferromagnetism by ion irradiation in CVD-grown nanostructured MoS ₂ thin films <i>Sharmistha Dey, Santanu Ghosh, Pankaj Srivastava Sharmistha Dey, Santanu Ghosh, Pankaj Srivastava</i>
D1-010	The effect of top layer thickness variation of BLFO/BTO bilayer hetero-structures on structural and magnetic properties <i>Shashi Priya Balmuchu, and PamuDobbidi</i>
D1-011	Structural and Magnetization studies of Cu buffered FeGa films grown on Si and Si/SiO ₂ substrates <i>K. Sai Maneesh; Himalaya Basumatary; C. Vishnu Mohan Rao; M.Manivel Raja</i>
D1-012	Modification of structural and magnetic properties of magnetostrictive FeGa thin films with silver doping <i>Ateed Ahmad; Othman Ali Hussain; K. C. James Raju</i>
D1-013	Magnetization Dynamics of Half metallic Heusler Alloys thin films <i>Asghar Husain; A. K. Jana; Pardeep; G. A. Basheed; S. Narayana Jammalamadaka</i>
D1-014	Magnetic anisotropy of obliquely deposited Heusler alloy (Co ₂ FeAl) thin films on C ₆₀ layer <i>Sonia Kaushik; Rakhul Raj; Manisha Priyadarsini; V. Raghavendra Reddy; Dileep Kumar</i>
D1-015	Magnetization Dynamics in Electrodeposited Fe-Ni Alloy Thin Films <i>Kapil Dev; AnkitKadian; V. R. Reddy; Rohit Medwal; S. Annapoorni</i>

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D1-016	Magnetization reversal and Gilbert damping of in-plane uniaxial $\text{Co}_2\text{FeAl}_{0.5}\text{Si}_{0.5}$ (CFAS) Heusler alloy thin films <i>Lanuakum A Longchar; MainurRahaman; M. Manivel Raja; V. Raghavendra Reddy; Lalita; G. A. Basheed; S. N. Kaul and S. Srinath</i>
D1-017	Sequential Oblique Angle Deposited Cobalt Zig-Zag columnar structure: An Approach for Improving the Thermal Stability. <i>Sharanjeet Singh; Arun Singh Dev; Anup Kumar Bera; Matthias Schwartzkopf; Stephan V. Roth; Velaga Srihari; Pooja Gupta; Dileep Kumar.</i>
D1-018	Observation of bulk Dzyaloshinskii–Moriya interaction in GdFe thin films <i>Saroj Kumar Mishra; Hari Prasanth P; Jyoti Ranjan Mohanty</i>
D1-019	Ferromagnetic resonance studies of $\text{Gd}_3\text{Fe}_5\text{O}_{12}$ epitaxial thin film on $\text{Gd}_3\text{Sc}_2\text{Ga}_3\text{O}_{12}(111)$ substrate <i>Kishori Lal, BiswanathSamantaray, and Zakir Hossain</i>
D1-020	Magnetic and structural asymmetry at the interfaces of $\text{Ag}^{\beta'}/\text{Fe}/\text{Ag}$ trilayer; studies under X-Ray Standing Waves condition <i>Manisha Priyadarsini I; Sonia Kaushik; Sharanjeet Singh; Md. Shahid Jamal; Dileep Kumar</i>
D1-021	Evidence of enhanced interdiffusion in Fe/Ni Multilayer by Cu addition <i>Ashish Gupta; Shailesh Kalal ; Akshya A; Jochen Stahn; and Mukul Gupta.</i>
D1-022	Domain State Configuration Of Magnetic Topological Films Fe_2CoAl <i>Santosh Kumar Sahoo and SurayanarayanaJammalamadaka</i>
D1-023	Interface roughness induced evolution of magnetization reversal process in magnetron sputtered W interfaced HITPERM alloy thin films <i>Neha Gupta;Mukul Gupta; V. Srihari; P. N. Rao; D.Kumar;S. K. Rai; G. Pooja</i>
D1-024	Frequency domain ferromagnetic measurements in FeGaB thin films <i>B. Arun; Andrews Joseph; K. C. James Raju</i>
D1-025	Swift heavy ion irradiation to tailor exchange bias in FeCo/NiO bilayer <i>SangeethK ; V Srihari ; K.K. Pandey ; V.R. Reddy; F. Singh; Ratnesh Gupta;</i>
D1-026	Investigations on the structural and magnetic properties of Ni / Fe-Ga Multilayers for magnetostrictive applications <i>Nalin Prashant Poddar; J. AroutChelvane; M. Manivel Raja</i>
D1-027	Intrinsic damping in ultra-thin topological kagome ferromagnet Fe_3Sn_2 <i>Nidhi Kandwal; KachoImtiyaz Ali Khan; Akash Kumar; Pankhuri Gupta; Ram Singh Yadav; Pranaba Kishor Muduli</i>
D1-028	Effect of Pd doping on structural and magnetic properties of Co_4N thin films <i>Akshaya A; Shailesh Kalal; Jochen Stahn; Mukul Gupta</i>
D1-029	Effect of MgO thickness in Magnetic tunnel junction <i>Apoorva Kaul; Sandip Bayshak; and P. Chowdhury</i>
D1-030	Emergent Properties of Oxide Thin Films and Heterostructures <i>Ankur Rastogi</i>
D1-031	Tuning of Magnetic Properties of EuCrO_3 via applying strain <i>Shivam Choudhary; Mohit Tanwani; Priyanka Yadav ;R.J.Choudhary; RajamaniRahunathan;</i>
D1-032	Synthesis and Characterization of ZnO-CuO nanostructured composite thin films for gas sensor applications <i>S.Sarika Yadav ;P.Nagaraju ; Sameena Begum; M.Swathi</i>
D1-033	Interfacial Strain-Induced MagnetisationSwitchings in LSMO/BTO (001) Heterostructure <i>Mrinalini; Tomoyasu Taniyama; Venkataiah Gorige</i>

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D1-034	Engineering of uniaxial magnetic anisotropy in obliquely deposited Co ₂ FeAl thin film on stressed nano-rippled substrate <i>Anup Kumar Bera, Sharanjeet Singh, Bhagwati Prasad, Dileep Kumar</i>
D1-035	CVD Growth of 2D Chromium Telluride on Crystalline Substrates <i>Subhransu Kumar Negi; Abhijith M BI; Vidya Kochat; Chandra Sekhar Tiwary</i>
D1-036	Fabrication of Rare Earth (Gd) doping of Barium Titanate nanostructured Thin Films for Electronic Devices Applications <i>S. Sreedhar; G. Kusuma Priya; R. Padma Suvarna</i>
D1-037	Investigations on the Electrical and Magnetic properties of Sputtered Ni thin films <i>J. AroutChelvane; Nalin Prashant Poddar; M. Manivel Raja</i>
D1-038	Analysis of Functional Magnetic Thin Film Samples using Glow Discharge Optical Emission Spectroscopy <i>N.D.VaraPrasad; NalinPrashant Poddar; J. AroutChelvane; M. Manivel Raja</i>
D1-039	Study of Intrinsic Exchange Bias in Sm _{1.5} Ca _{0.5} CoMnO ₆ Epitaxial Thin Films <i>K. Prabahar; DibyaPhuya; Alexei Kalaboukhov; M. Manivel Raja; Tapati Sarkar</i>
Category D: Functional Magnetic Materials	
D1-040	Magnetic and magnetocaloric properties of nanocrystalline sample of a glassy ferromagnetic bulk compound: Modification of short-range ordering <i>Soma Chatterjee; Dipak Mazumdar; Kalipada Das; Indranil das</i>
D1-041	Unusual magnetic ordering in the newly synthesized perovskite variant Ba ₃ CoSn ₂ O ₉ <i>Santanu De; Rahul Singh; Suman Karmakar; Shipra Das; R. Rawat; P.N. Santhosh</i>
D1-042	The emergence of magnetic and ferroelectric characteristics of 0.2Ni _{0.5} Co _{0.2} Zn _{0.3} Fe ₂ O ₄ -0.8BaZr _{0.1} Ti _{0.9} O ₃ dual phase ceramics for energy storage application <i>Somnath Sahu; Shashi Priya Balmuchu; PamuDobbidi</i>
D1-043	Study on magnetization reversal with inverse exchange bias effect and ab-initio investigation on ferrimagnetic Gd ₂ NiIrO ₆ double perovskite <i>DebasmitaBala; VenimadhavAdyam; J Krishnamurthy</i>
D1-044	Studies on the effect of cold working and annealing on the magnetic and electrical properties of V-Ti-Ce Alloy Superconductors <i>Asi Khandelwal; Nida Mirza; L.S. Sharath Chandra; ArchnaSagdeo; M.K. Chattopadhyay</i>
D1-045	Effect of ball milling on the realization of forming single phase low entropy oxides of (NiMn) ₃ O ₄ at reduced processing temperatures <i>Tandrima Mitra; A.K. Sahu; Perumal Alagarsamy</i>
D1-046	Temperature- and low-magnetic field–induced magnetization reversal in double perovskite La ₂ FeCrO ₆ polycrystalline samples by Bi Doping <i>Athira P; VenimadhavAdyam; Jyothinagaram Krishnamurthy</i>
D1-047	Magnetization Reversal of Square Shaped Magnonic Fractals <i>Riya Mehta; SusmitaSaha</i>
D1-048	Magnetic and thermoelectric properties of Mn ₂ CoGe and Mn ₂ CoSb <i>Sushree Sarita Sahoo; Arul Raj Natarajan; V. Kanchana</i>
D1-049	Magnetocaloric effect in cerium doped zinc-cobalt spinel ferrite nanoparticles <i>SibasishMandal ; Samrat Mukherjee</i>
D1-050	Magnetic Ni@C Nanoparticles for Efficient Methyl Orange Removal from Water <i>Sanjulapradha;, N.K. prasad</i>

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D1-051	Competing magnetic interactions in the antiferromagnetic Kagome semimetal $\text{Fe}_{1-y}\text{Co}_y\text{Sn}$ <i>Kritika Vijay; Kranti Kumar; Rajeev Rawat; Soma Banik</i>
D1-052	Effects of Magnetic and Non-magnetic Element Substitutions in Ni-Mn-Ga Alloy <i>Dheke Shubham Shatrughna; Subhadeep Datta; Manoranjan Kar</i>
D1-053	Enhancement of room-temperature multiferroic properties of $(1-x) \text{GaFeO}_3 - x \text{Co}_{0.4}\text{Zn}_{0.6}\text{Fe}_2\text{O}_4$ composites <i>SaarthakDulgaj; Anshu Gaur, Suman Karmakar; S. N. Kaul and S. Srinath</i>
D1-054	Magnetic Bacterial Cellulose: Nano-engineered Hybrid Magnetic Structure with Tailored Magnetic Anisotropy and Self-Heating Efficiency <i>AszadAlam; Aimin Yu; Mudrika Khandelwal.</i>
D1-055	High entropy alloy/oxide nanocomposites as highly efficient Fenton and photo-Fenton catalysts for p-nitrophenol degradation <i>Deepak Kumar, N.Sai Anuraag, C. Mohapatra, Uttam Kumar, Debashish Sarkar, Vasundhra Mutta, Indrajeet Sinha, Nand Kishore Prasad</i>
D1-056	Synthesis and characterization of CoRuFeSi quaternary Heusler alloys <i>Jyotiranjana Rout; M. Manivel Raja; J. AroutChelvane; S. N. Kaul; S. Srinath</i>
D1-057	Enhanced critical temperature and magnetocaloric effect in quenched $\text{Co}_{0.3}\text{Zn}_{0.7}\text{Fe}_2\text{O}_4$ <i>Prabhu Rajagiri; S. ShanmukharaoSamatham; T. Venkatappa Rao</i>
D1-058	Insights into Gd substitution in Ga on Fe-Ga Magnetostrictive Alloys <i>V. Vijayanarayanan, HimalayBasumatary, M. Manivel Raja, V. Aravindan, B. Karuppasamy, P.Sundararajaperumal, and M. Mahendran</i>
D1-059	Evidence of room temperature multiferroicity in a composite of Barium titanate and lanthanum manganite <i>LozilDenzilMendonca;M.S.Murari; Mamatha D Daivajna</i>
D1-060	Electronic structure and topological aspects of G-type antiferromagnetic metal SrCr_2As_2 <i>Mainak Dey Sarkar; Aiswarya T; Supratik Mukherjee; G Vaitheeswaran</i>
D1-061	Analysis of vibrational and topological properties of Perovskites SrRuO_3 <i>Aiswarya T; Supratik Mukherjee; G Vaitheeswaran</i>
D1-063	Cobalt substitution induced magnetoelectric coupling in KBiFe_2O_5 <i>K. Chandrakanta; RasmitaJena; Durga Prasad Sahu; Anil K. Singh</i>
D1-064	Magnetic and Electrical Properties of $\text{Eu}_2\text{CoMnO}_6$ <i>MohdAlam and Sandip Chatterjee</i>
D1-065	Glassy magnetic phase, reversible magnetocaloric effect and investigation of electrical properties in Cd substituted Nickel chromite compounds. <i>Ritupan Borah and S Ravi</i>
D1-066	Enhancement in Giant Magneto-impedance (GMI) Properties of Rapidly Quenched Amorphous Wires through Arrayed Configuration <i>Somnath Das; Dev Kumar Mahato; Ashis Kumar Panda</i>
D1-067	Physical Properties of NiCoMnGe Quaternary Heusler Alloy <i>Chinmoy Biswas; AvijitTudu; K Suresh; NV Rama Rao; B Srinivas Rao; A. Rajanikanth</i>
D1-068	Novel magnetic properties of EuTbCoMnO_6 double perovskite <i>Madhusmita Jena, M. Alam, Srishti Dixit and S. Chatterjee</i>

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D1-069	Temperature and magnetic field dependence of Fe magnetic ordering in multiferroic $\text{Ho}_{0.5}\text{Nd}_{0.5}\text{Fe}_3(\text{BO}_3)_4$ <i>Abinash Tripathy; NajninBano; SikharaniSahu; Varimalla Raghavendra Reddy; Ilya Sergeev; Olaf Leupold; Irina Gudim; Dinesh Kumar Shukla</i>
D1-070	Magnetocaloric Properties of Fe_3Al Alloys for Magnetic Refrigeration <i>Naveen Kumar Ravisankar; Uma Mahendra Kumar Koppolu; M Manivel Raja; and SenthurPandiRajasabai</i>
D1-071	Synthesis and microwave absorption property of nitrogen-doped reduced graphene oxide/ nickel-cobalt ferrite hybrid nanocomposite <i>Madhusmita Swain; Durgamadhab Mishra; Lokesh Saini; Raj Kumar Jani; Sampat Raj Vadera</i>
D1-072	Effect of Si concentration in melt spun $\text{LaFe}_{13-x}\text{Si}_x$ alloys for magnetocaloric applications <i>Anjana Vinod; D Arvindha Babu; M. Manivel Raja; W. Madhuri</i>
D1-073	An insight into the structural, magnetic and dielectric properties of modified $\text{SrFe}_{12}\text{O}_{19}$ <i>Anupama Pati; Payala Sahoo; Sujata Kumari Ray; Alok Kumar Sahoo; Suryanarayan Dash</i>
D1-074	Effect of Non-magnetic ions on Magnetic, Optical and Electronic Properties of KBiFe_2O_5 <i>Payala Sahoo, Sujata Kumari Ray, Anupama Pati, Alok Kumar Sahoo, Suryanarayan Dash</i>
D1-075	Influence of trivalent non-magnetic ion on structure, optical, magnetic and dielectric properties of YCrO_3 perovskite <i>Sujata Kumari Ray; Payala Sahoo; Anupama Pati; Alok kumar Sahoo and Suryanarayan Dash</i>
D1-076	Development of eco-friendly magnetoelectric composites for energy harvesting applications <i>K Damodar Reddy; N Pavan Kumar; R Maheswaran; C Siva</i>
D1-077	Tunable half-metallicity and ferromagnetism in Graphene+hBN heterojunctions <i>Sujith N S, Joydeep Bhattacharjee</i>
D1-078	Preparation and Characterization of Ni_3Al alloy at different annealing temperatures using powder metallurgical technique <i>Mr.A. Kiran Kumar Yadav; Dr.B. Rajini Kanth;</i>
D1-079	Unraveling magnetocaloric effect in Ru-deficient SrRuO_3 epitaxial thin films <i>Murtaza Bohra; M.Rzavi; M. A. Khan</i>
D1-080	Experimental and theoretical studies of a promising topological material CoFeVAI <i>Barnabha Bandyopadhyay, Jadupati Nag, Sabyasachi Paul, Aftab Alam, K.G. Suresh</i>
D1-081	Spin reorientation in La doped DyFeO_3 :A Low temperature magnetic study <i>S. Shravan Kumar Reddy;Ch. Gopal Reddy;P. YadagiriReddy;V. Raghavendra Reddy</i>
D1-082	Effect of holmium doping on structural, magnetic properties of multiferroic GdMn_2O_5 <i>D. Swathi; N. Kumar Swamy; and N. Pavan Kumar</i>
D1-083	Ferromagnetic properties of few layered 2D MoS_2 nanosheets upon controlled oxidation <i>VikasmitaSamanta; Sayan Ghosh; C. Sudakar</i>

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D1-084	Effect of Ni- substitution on the structural magnetic and transport properties of the Weyl semimetal $ZrCo_2Sn$ <i>Nikhil Sachan ; Prof. N. Harish Kumar</i>
D1-085	Magnetic and Magnetocaloric effect of solution combustion assisted $LaMnO_3$ <i>Sathishkumar.P ;Vinoth.V; Murali R.; Madeswaran S.I</i>
D1-086	Structural, Magnetic and Dielectric Properties of $SrFe_{12}O_{19}$ -BCTZ Composites <i>Anshu Gaur; BiswaranjanSahu; S. Srinath</i>
D1-087	Magneto-transport studies of two-dimensional van der Waals magnetic materials <i>Sandeep;NeeshaYadav; Pintu Das</i>
D1-088	Evidence of interfacial converse magnetoelectric coupling in $Ni/BaTiO_3$ heterostructure <i>Anita Bagri, SubhoSaha, Shivam Choudhary, Ram Janay Choudhary</i>
D1-089	Critical exponent analysis in near-room temperature magnetocaloric compound: $Mn_{4.8}Cu_{0.2}Ge_3$ <i>Swathi Sakthivel; Arun Kumar; RemyaUralathDhanavardhanan; Athul Sunitha Raveendran; AndreaDzubinska; Marian Reiffers; NagalakshmiRamamoorthi</i>
D1-090	Multiphase Magnetic Transitions in Ho_2Co_2In : Exploring Magnetocaloric Characteristics and Potential for Advanced Refrigeration Applications <i>Athul Sunitha Raveendran; Arun Kumar; Swathi Sakthivel; Remya Uralath Dhanavardhanan; Andrea Dzubinska; Marian Reiffers; Nagalakshmi Ramamoorthi</i>
Category I: Interdisciplinary Topics in Magnetism	
D1-091	Magnetic field induced Fréedericksz transition in a 7CB media. <i>Shilpi Bose;Aloka Sinha; Sandeep Munjal; Yogesh Kumar;Santanu Ghosh</i>
D1-092	Observation of Enigmatic Magnetic Spin Reorientation in La_2FeCrO_6 Perovskite <i>Y. Naveen Kumar; A. Paul Blessington Selvadurai; N. Aparnadevi; M. Manikandan; G. Ilamathi I; C. Venkateswaran</i>
D1-093	Superconducting and Magnetic Properties of Sputter Deposited V_3Si Thin Films <i>Shekhar Chandra Pandey; Shilpam Sharma; Ashish Khandelwal; M. K. Chattopadhyay</i>
D1-094	Exploring Oxygen Vacancy and B-site Disorder for Enhanced Exchange Bias in Magnetically Frustrated Poly-crystalline Compounds <i>Koustav Pal; I.Das</i>
D1-095	Transport and magneto-transport properties of polycrystalline $NbNiTe_5$ <i>Haribrahma Singh, Prabuddha Kant Mishra, and Ashok K. Ganguli</i>
D1-096	Transport and magneto-transport properties of rare-earth Pt(Ni)-Bi half-Heusler alloys series: thermoelectric to non-triviality <i>Vikas chahar; Devendra Pandey; Prof. Kaustuv Manna; Prof. RatnamalaChatterjees</i>
D1-097	Investigation of complex magnetism in Th_3P_4 -type rare-earth chalcogenides <i>Prabuddha Kant Mishra; MoumitaNaskar; Ashok K. Ganguli</i>
D1-098	Effect of annealing on structural and optical properties of Nickel Ferrite $NiFe_2O_4$ <i>P. Sundararajaperumal; V. Vijayanarayanan; V. Aravindan; P. Velusamy; B. Karuppasamy; M. Mahendran</i>

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D1-099	Magnetic and Transport properties of antiferromagnetic semimetal: GdSbSe <i>Aarti Gautam; Prabuddhakant Mishra; Souvik Banerjee; A. Sundaresan; Ashok Kumar Ganguli</i>
D1-100	Magnetic field modulation of Ho ₂ O ₃ based synaptic RRAM device for Neuromorphic Applications <i>Prabana Jetty; S. Narayana Jammalamadaka</i>
D1-101	Enhanced Multiferroic property in Rare Earth-Substituted Aurivillius Ceramics (Bi _{3.0} RE _{1.0} Ti ₂ (Fe _{0.5} Co _{0.5})O ₁₂ (RE=La, Nd, Sm, Dy, Gd, and Ho) with Optoelectronic Property Correlation <i>Tirupathi Patri; S. Rayaprol; P.D. Babu; MLV Mahesh</i>
D1-102	Design, development and magnetic qualification of Electromagnetic Quadrupole focusing magnet for Electromagnetic Isotope Separator <i>Elina Mishra; Vikas Teotia; Rajesh Chimurkar; Sanjay Malhotra</i>
D1-103	AI and Nanotechnology: Recent Trends, Challenges and Future Perspectives <i>Neha Soni; Chhavi Pahwa; Amita Kapoor</i>
D1-104	Surface treatment of conducting Chaff fibers for enhancement of radar cross section of chaff cloud <i>Kavitha Chouhan; Nishant Kumar; Rakesh Dhakar; Brijesh; Madhuri Prajapat; Verendra Kumar; Alok Basita; Prasant Vasistha</i>

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Poster Session – II(05 December 2023)	
Poster ID	Title of abstract
Category B: Magnetic Recording, Memories and Spintronics	
D2-001	Charge-Ordering Characteristics of Calcium Manganite: (CaSr)MnO ₃ <i>P. Tiwari; V. P. Khadse; A. Bhardwaj; S. A. Atkar; S. Thota</i>
D2-002	Field free spin hall nano oscillator using the exchange bias of ferro/antiferromagnet structure <i>Meenakshi Sravani; Pinkesh Kumar Mishra; Swapnil Bhuktare</i>
D2-003	Thickness dependent structural and magnetic properties of Fe ₂ CoSi alloy films <i>Subrata Biswas; A. Srinivasan; A. Perumal</i>
D2-004	Odd symmetry planar Hall effect: A method of detecting current-induced in-plane magnetization switching <i>RaghvendraPosti; Abhishek Kumar; Mayank Baghoria; Bhanu Prakash; Dhananjay Tiwari; Debangsu Roy</i>
D2-005	Tunable Magnetic Phase Diagram through Understanding of Vortex State Stability in Circular Permalloy Nanodots with Applied Anisotropy <i>PalabindelaPraveen, Bhaskar Chandra Behera</i>
D2-006	Stability and Phase evolution of antiskyrmion in Mn-Ni-Ga micron size single crystalline device <i>Sk Jamaluddin; Ajaya K. Nayak</i>
D2-007	Room temperature skyrmion lattice in a hexagonal centrosymmetric kagome magnet <i>Dola Chakrabartty; Sk Jamaluddin; Suvendu Kumar Manna; Ajaya K. Nayak</i>
D2-008	Influence of OAM light on the magnetic textures of Synthetic antiferromagnets <i>S. Mallick; P. Ye; Y. Sassi; K. Bouzeshouane; S. Babenkov; D. Gauthier; W. Boutu; M. Froidevaux; H. Merdji; J.-Y. Chauleau; M. Bibes; N. Reyren; M. Viret; V. Cros</i>
D2-009	Effect on structural, microstructural, and magnetic properties of (1-x)BiFeO ₃ - xSrTiO ₃ ceramic system prepared by the molten salt flux method <i>N. Jahangeer; Priyanka Mitra; B. Harihara Venkataraman</i>
D2-010	Investigation of FMR of ZnFe ₂ O ₄ thin films grown in different gas ambient <i>Nitesh Singh; Murtaza Bohra</i>
D2-011	Tunable Magnetization Dynamics in width-modulated Py/Pd/Py Nanowires <i>Mahathi Kuchibhotla; ArabindaHaldar; Adekunle Olusola Adeyeye</i>
D2-012	Enhancement of half-metallicity in polycrystalline Co _{44.3} Fe _{30.7} Ga _{13.9} Ge _{11.1} film deposited on Si substrate by systematic heat treatment <i>Madhav; M. Bhat; H. Suto; Y. Sakuraba; A. Perumal; A. Srinivasan</i>
D2-013	Evidences on the Structural and Magnetic characteristics of Anatase, Rutile and Mixed Phasic TiO ₂ Nanocrystals Studied using Advanced Synchrotron-Based X-ray Techniques <i>Aradhana Kumari ;Vijay Raj Singh</i>

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D2-014	A study on the structural, microstructural, and multiferroic properties of (1-x) Bi ₄ Ti ₃ O ₁₂ - xBiFeO ₃ ceramic-composites for MRAM devices <i>Priyanka Mitra; N. Jahangeer; Harihara Venkataraman</i>
D2-015	Enhanced Metal-to-insulator Transitions via Cr-substitution in Vanadium-dioxide Thin-films and Magnetic Origin studied by soft X-ray Magnetic Circular Dichroism <i>Vijay Raj Singh</i>
D2-016	Origin of enhanced orbital magnetic moment in SiO ₂ -coated Fe ₃ O ₄ Nanocomposites Studied by X-Ray Magnetic Circular Dichroism <i>Riya Dawn; Vijay Raj Singh</i>
D2-017	Magnetostructural Studies of Mn Doped Rare Earth Orthoferrites <i>Shipra Das; Pabitra K. Sahoo; Leelasree S; P. Murugavel; Somnath Chanda Roy; P.N. Santhosh</i>
D2-018	Effect of perpendicularly applied magnetic field on spontaneously created magnetic skyrmions <i>Tamali Mukherjee ; V Satya Narayana Murthy</i>
D2-019	Room Temperature Magnetoresistance studies across Polar PVDF thin films in Ta/Co/PVDF/NiFe pseudo Spin Valve devices <i>Pajjuru Raviteja, Jyotirmoy Roy, Savita Sahu, G A Basheed and R. B. Gangineni</i>
D2-020	Enhancement of transverse transport properties through Fermi level tuning in epitaxially grown (Co _{1-x} Ni _x) ₂ FeGe Heusler alloy films <i>Rajesh Kumar Roul; Varun Kumar Kushwaha; Ryo Toyama, S. Narayana Jammalamadaka; Tomoya Nakatani; Yuya Sakuraba</i>
D2-021	Enhancement of spin Hall angle in non-collinear L1 ₂ - ordered Mn ₃ PtN antiferromagnet <i>Nitipriya Tripathi; Shrawan K. Mishra; Shinji Isogami; Yukiko Takahashi</i>
D2-022	Investigation of structural, optical, electrical and magnetic properties of brownmillerite KBiFe ₂ O ₅ and Ca ₂ Fe ₂ O ₅ <i>Swapna Rout; K Mohan Kant</i>
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D2-025	Carrier transport properties in disordered Kane-Mele model <i>Aruna Gupta</i>
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D2-027	Investigations of ferromagnetic resonance and inverse spin Hall effect in NiFe/FeMn/NiFe multilayers with varying antiferromagnetic layer thickness <i>Brahmaranjan P; Manivel Raja M; Chandrasekhar M; Arabinda Haldar</i>
D2-028	Tuning the structural and magnetic properties of CFA (Co, Fe, Al) thin films by tailoring the composition via growth rate. <i>Rohiteswar Mondal; Devapriya M S; Jhantu Pradhan; Arabinda Haldar; Chandrasekhar Murapaka</i>

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D2-038	Observation of Crypto-Ferromagnetic State in superconducting spin valve <i>Biswajit Dutta, Sonam Bhakat, A. Pal</i>
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D2-050	Structural and magnetic properties of chicken egg-albumin mediated CaFe ₂ O ₄ rod-shaped nanoparticles <i>Annrose Sunny and M Vasundhara</i>
D2-051	Inverse Magnetocaloric Effect and Magneto Electric Coupling Near Room Temperature in Nanoparticles of Y ₂ FeCrO ₆ Double Perovskite <i>K Pushpanjali Patra and S. Ravi</i>
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D2-076	Effect of hydrogenation on the structural and magnetic properties of rare earth intermetallic compound $Dy_{0.33}Ho_{0.33}Er_{0.33}Ni$ <i>Abhaya Prasada Mohapatra; Dhanya A. R.; J. AroutChelvane; A. V. Morozkin; S. Ramaprabhu; R. Nirmala</i>

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D2-078	Study of Magneto-Electric (ME)Coupling Effect in Spin Triangle BasedMetal (III) Carboxylate $[M_3O(O_2CPh)_6(py)_3] ClO_4 \cdot py$ (M= Fe, Ga) Molecular Nanomagnet. <i>Balwant Singh Chauhan; Athanassios K Boudalis; PhilippeTurek; Ratnamala Chatterjee;</i>
D2-079	Magnetic Properties of $Ho(Cr_{1-x}Co_x)O_3$ Compounds <i>DebabrataMaji ; S Ravi</i>
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D2-087	Tuning the magnetic and electrical properties of $LaYFe_2O_6$ by Mn substitution <i>R. Ghosh; A. Barik; M. R. Sahoo; S. Mishra; P. N. Vishwakarma</i>
D2-088	Investigation of the magnetic ordering in a valence electron count 18 half-Heusler $RuMnGa$ <i>Sudip Chakrabarty; Chandan Mazumdar</i>
D2-089	Possible Quantum Spin Liquid State in Two-Dimensional Magnetic Kite-Lattice <i>Rahul Kumar; Shrikant Bhat; and A. Sundaresan</i>
D2-090	Griffiths phase like behaviour in $CoCrVZ$ (Z = Al, Ga) Heusler alloys <i>Sabyasachi Paul; Barnabha Bandopadhyay; M. K. Chattopadhyay; K. G. Suresh</i>
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D2-092	Structural and Magnetic Properties of Al, Cr and Co substituted Ga_2MnNi Heusler Alloy <i>Anlin Kurian; T. Samanta; P. A. Bhobe</i>
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D2-098	Perpendicular Magnetic Anisotropy in 2D vander-Waals Magnet Induced by Topological Insulator Substrate <i>SubhamNaskar; Shreyashi Sinha; Indraneel Sinha; Sujit Manna</i>
D2-099	Metallic-multilayer-based, bulk spin orbit torque (SOT) driven domain-wall synapse for neuromorphic crossbar arrays <i>Ram S. Yadav; Pankhuri Gupta; Aniket Sadashiva; Pranaba K. Muduli; Debanjan Bhowmik</i>

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D3-002	Unleashing the Synergistic Potential of Gadolinium-Doped Manganese Ferrite A Paradigm for Humidity Sensing and Magnetic Performance <i>Aryan Boora; Surender Duhan; Vinod Kumar</i>
D3-003	Structural properties of Y ³⁺ substituted CoFe ₂ O ₄ <i>Tulshidas C. Darvade;Tejas K. Jadhav; Nikita J. Kapadi; Pravin S. Kadhane; Rahul C. Kambale</i>
D3-004	Processing condition dependent structural and magnetic properties of electrospun Co-Fe-Al nanowires <i>Dinesh Subba;Ananthkrishnan Srinivasan</i>
D3-005	Structural and magnetic properties of Fe _{100-x} Ti _x alloys prepared by planetary ball milling <i>Harekrushna Behera; Sourav Mandal; Perumal Alagarsamy</i>
D3-006	Optimizing the magnetic field sensitivity of ribbons for magnetoimpedance sensor <i>Inchara M; D.Aravindha Babu; J.Arout Chelvane; V.Srinivas; Ganesh Kotagiri</i>
D3-007	Exploring M-type hexaferrite for permanent magnet motor technology <i>Deepika Sharma; Anjana Dogra; Mahavir Singh</i>
D3-008	Effect of multi doping on structural, spectral and magnetic properties of cobalt ferrite <i>P.Sowjanya; Arout Chelvane; N.Pavan Kumar</i>
D3-009	Synthesis and characterization of intermetallic FeCo@C nanoparticles <i>Chinmaya Mohapatra; Deepak Kumar; Dr N K Prasad</i>
D3-010	Magnetic, Structural and Transport Study of Heusler Alloy Cr ₂ FeSn <i>G. Karthik; M. Manivel Raja; K. G. Pradeep; PN. Santhosh; K. Ravichandran</i>
D3-011	Effect of niobium doping on magnetic and elastic properties of FINEMET melt-spun ribbons <i>Md. Sarowar Hossain; Dr.B. Rajini Kanth; Dr. P. K. Mukhopadhyay</i>
D3-012	Enhancing the magnetic anisotropy in strontium hexaferrite by multiple lattice site modifications <i>Sushree Nibedita Rout; Manoranjan Kar</i>
D3-013	Thermal degradation induced magnetic changes in Sm ₂ (Co, Fe, Cu, Zr) ₁₇ magnetic alloys <i>Ravi Teja Mittireddi; Ranjan Kumar Singh; Emila Panda</i>
D3-014	Ni ₂ FeSi Full Heuser Alloy studies for Spintronic applications <i>Stella Deiva Malar T; Chellakumar R; Ravichandran K</i>

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D3-015	Enhancement of Hard Magnetic Properties in Mn ₅₄ Al ₄₆ Alloy Via High Energy Ball Milling in Air <i>Saraswathi Palani; SaminathanMadeswaran; SivamuruganSubhavenkadesh; R. EzhilVizhi; D. Rajan Babu</i>
D3-016	Structural and Magnetic properties of Sr _{3-x} La _x Co ₂ Fe ₂₄ O ₄₁ hexaferrite <i>Anupriya Choudhary; Bhupendra Chudasama; Puneet Sharma</i>
D3-017	Effect of Dy substitution at Nd sites in Melt-spun Nd-Fe-B permanent magnet ribbons <i>S. K. Dey; G. Sinha; S. Aich</i>
D3-018	Cryo-milled Mn ₅₅ Bi ₄₅ /FeNi composites with enhanced energy product <i>N.S. Anuraag; A. Pavan babu; N.K. Prasad</i>
D3-019	Investigation on Microwave absorption properties of bismuth ions doped Barium Hexaferrites. <i>Rohit; Ankush Chauhan; Mahavir Singh.</i>
D3-020	Tailoring the Morphology of Strontium Hexaferrite (SFO) Nanofibers for Rare Earth Free Permanent Magnet Applications <i>Nishtha Vats; ShrutidharaSarma; Saket Phadkule; Durgamadhab Mishra; Sampat Raj Vadera</i>
D3-021	Microstructural and magnetic properties of nanocrystalline Nd-Fe-B rare earth magnet prepared by spark plasma sintering technique <i>Sudeep Singh; D Arvindha Babu; D M Rajkumar; Rajdeep Sarkar; Ajaya Kumar Nayak; ArabindaHaldar; M Manivel Raja</i>
D3-022	Structural and Magnetic Properties of Ba-hexaferrite/Zinc Ferrite Nanocomposites. <i>Shalini Govindaraj M; Subha A; Subasa C. Saho</i>
D3-023	Investigation of Magnetic transition for Fe substituted CuCr ₂ O ₄ <i>K. Yadagiri; Y. Anvay ; D. Dinakar;N. Narasaiah;D. Haranath</i>
D3-024	Approaching Ferrite based Exchange spring Nanocomposite of Sr _{0.8} Co _{0.2} Fe _{11.8} Ga _{0.2} O ₁₉ /ZnFe ₂ O ₄ for permanent magnet applications <i>Abarna S T; , R EzhilVizhi</i>
D3-025	The GSAS refinement and the magnetic properties of off-stoichiometric TM-rich YGdFe ₁₇ M(Al-Ga/Si) <i>Srilatha.Y; Markandeyulu. G</i>
D3-026	Synthesis and Characterization of La-Co Co-doped Strontium Hexaferrites for Permanent Magnet Applications <i>Enja Uma Mahesh; SubhadeepSaha; Dibakar Das</i>
D3-027	Coercivity enhancement by the Grain boundary diffusion in sintered Nd-Fe-B magnet using Dy-Cu <i>P. Vivekanandhan; S. Paulraj; G. Vijayaragavan; M. Sadhashivam; K. G. Pradeep; D. Prabhu; R. Gopalan</i>
D3-028	Microstrain mediated magnetic anisotropy in Al modified Barium Hexaferrite <i>Amar Dev, Piyali Biswas, P. Kour, S. K. Pradhan, Manoranjan Kar</i>
D3-029	Soft and Hard ferrite nanocomposites {(Ni _{0.6} Zn _{0.4} Fe ₂ O ₄) X+(BaFe ₁₂ O ₁₉)1-X}: Synthesis, Magnetic and dielectric properties <i>T.Ramesh; K.Praveena; K.Sadhana</i>
D3-030	Effect of Temperature on Cohesive field, Magnetization, and Anisotropy in MFe ₂ O ₄ (M = Ni & Co) <i>Shanigaram Malleesh; Kodam Ugendar; Young-Woo Nam</i>

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D3-032	Structural and Magnetic properties of Mn ²⁺ substituted Copper ferrite nanoparticles <i>Subha A; Shalini M G; Padmapriya K; Subasa C Shao.</i>
D3-033	Defect studies and magnetic properties of equiatomic FeCo obtained through instant chemical reduction <i>Vismaya Rajeevan; S. Sellaiyan; Rajesh Ponraj; Akira Uedono; R. Justin Joseyphus</i>
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D3-035	Optimization of Planar Flow Melt Spinning Process to Obtain Quality Amorphous Fe-Si-B-Nb- Cu Alloy Ribbons for Ultra Soft Magnetic Applications <i>Shanthi Raju Meenuga; D. Arvindha Babu; Bhaskar Majumder; Anil Kumar Birru; M. Manivel Raja</i>
D3-036	Effect of Temperature on Cohesive field, Magnetization, Anisotropy in MFe ₂ O ₄ (M = Ni & Co) <i>Shanigaram Malleesh, Kodam Ugendar, and Young-Woo Nam</i>
D3-037	Evidence for spin-flop transitions in orthorhombic 'Bi' incorporated DyMnO ₃ <i>D. Paul Joseph; Kodam Ugendar; N. Pavan Kumar; J. W. Lin; K. Saravana Kumar; W. C. Chen; Manikandan Dhamodaran; J. G. Lin</i>
D3-038	Corrosion behavior of sintered NdFeB magnets with Ni/Cu/Ni tri-layer coatings by electroplating <i>V L Niranjani, P Saravanan, M Manivel Raja, Kallepalli Surya Phani</i>
D3-039	Investigation of exchange spring behavior in SrFe ₁₂ O ₁₉ - CoFe ₂ O ₄ composites <i>Gitesh Choudhari; K Mohan Kant</i>
D3-040	Magnetic properties of La and Ce added Nd-Fe-B sintered magnets <i>D M Raj Kumar; N V Rama Rao; D Arvindha Babu; M Manivel Raja</i>
D3-041	Coercivity enhancement of Nd _{13.6} Fe _{73.6} B _{5.6} Co _{6.6} Ga _{0.6} melt spun alloys through grain boundary diffusion of Pr ₆₈ Cu ₃₂ eutectic alloy <i>A V Phanikiran; D Arvindha Babu; B.S.Murty; M.Manivel Raja</i>
D3-042	Facile soft chemical approach for recycling of rare-earth magnets <i>Prasanta Kumar Sahoo; N. D. Vara Prasad; K. Simhachalam</i>
D3-043	Development of Resin Bonded NdFeB Magnets by Compressive moulding for low field electric motors <i>K. Sambasiva Rao; M. Manivel Raja; Adiraj Sriniva; A.Raja Shekar</i>
D3-081	Impact of Diverse Electrolytic Environments on the Corrosion Behaviour of Ni-Cu-Ni Coated NdFeB Magnets <i>V. Aurthi; R. Gokila; P. Priyambada; P. Saravanan; M. Manivel Raja; R.T. Rajendra Kumar</i>
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D3-045	Anisotropic and metamagnetism in R-Mn magnetic layered kagome single crystal ErMn ₆ Sn ₆ <i>S. Shanmukharao Samatham; Jacob Casey; Christopher Burgio; Noah Kramer;</i>

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D3-048	Design and Simulation of an Artificial Magnetic Conductor based Circular Microstrip Patch antenna with Penrose pattern for cancer detection <i>Vishnupriya ; Nikhil Kumar</i>
D3-049	Stabilization, Characterization and Magnetic Applications of High Entropy Oxides <i>Y. Ranjith Kumar; Vasundhara Mutta</i>
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D3-051	An-in vitro Anticancer and Antibacterial studies of Strontium Hexaferrite <i>Jacob Rosarian Joy S; Rajan Babu D; Vidya R</i>
D3-052	Experimental design of a Tunnel Diode Resonator based method for on field monitoring of steel quality in steel structures <i>P C Mahato ; S. S. Banerjee</i>
D3-053	Temperature Effects on the Structural, Morphological and Magnetic properties of Iron Oxide Nanoclusters using Solvothermal Method <i>Rekha K, R EzhilVizhi</i>
D3-054	Effect of Moringa oleifera with manganese nanoferrites for hyperthermia applications <i>G.Nandhini and M.K.Shobana</i>
D3-055	Evidence in presence of spin-glass-like freezing in spin-chain system $\gamma - \text{CoV}_2\text{O}_6$ <i>DebismitaNaik ; Ayan Mondal ; Venketraman Mahalingam ; Pradip Khatua</i>
D3-056	Study of Chromia as a Gate material of SpinFET <i>Ashutosh Shah, Sakshi Goel, Deep Sagar, Yogesh Khatri, Arti Kashyap</i>
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