



MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE

Belawadi, S.R. Patna Taluk, Mandya - 571477



DEPARTMENT OF PHYSICS

Publications (August 2021-22)

Sl No	Name (Faculty Highlighted) Google Scholar ID	Title	Total
1.	Vijaylakshmi Dayal https://scholar.google.co.in/citations?user=tuF6_AUAAAAJ&hl=en	<p>1. Sushmitha P Rao, Pritam Sarkar, Ajay Singh, R N Bhowmik, VijaylakshmiDayal Study of high-temperature electrical conductivity and thermoelectric performance in $Mg_{2-\delta}Si_{0.35-x}Sn_{0.65}$ ($\delta = 0-0.04$ and $x = 0, 0.05$) intermetallic alloys, <i>J Mater Sci: Mater Electron</i> 33:17842-17854 https://doi.org/10.1007/s10854-022-08648-1, (Springer nature) 2022</p> <p>2. GaneshaChannagoudra, J. Peter Nunez, Ravi L. Hadimani and VijaylakshmiDayal Study of cation distribution in La_{3+} and Eu_{3+} substituted cobalt ferrite and its effect on magnetic properties, <i>Journal of magnetism and magnetic material, Journal of Magnetism and Magnetic Materials</i>, 559, 169550, https://doi.org/10.1016/j.jmmm.2022.169550(Elsevier), 2022</p> <p>3. SushmithaP.Rao, Ajay Kumar Saw, ChanderbhanChotia, GunadhorOkram and VijaylakshmiDayal, Structural and thermoelectric properties of $Mn_{15}Si_{26}$, Mn_4Si_7 and $MnSi_2$, synthesized using arc melting method, Applied Physics A 127:621, https://doi.org/10.1007/s00339-021-04754-9 (Springer nature),2021</p> <p>4. Ajay Kumar Saw, Shalabh Gupta, and VijaylakshmiDayal Structural and magneto transport properties of Ruddlesden-popper $La_{2-2x}Sr_{1+2x}Mn_2O_7$ ($0.42 \leq x \leq 0.52$) layered manganites, AIP Advances, 11, 025331 https://doi.org/10.1063/9.0000109. (American Institute of Physics), 2021</p> <p>5. GaneshaChannagoudra, Shalabh Gupta, and VijaylakshmiDayal Study of Structural, Transport and Magneto-Crystalline Anisotropy in La_{1-x}</p>	9



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		<p>$x\text{Sr}_x\text{MnO}_3$ (0.30 x 0.40) Perovskite Manganites, AIP Advances11, 025305 https://doi.org/10.1063/9.0000119(American Institute of Physics), 2021</p>	
		<p>6. GaneshaChannagoudra, Ajay Kumar Saw, KoushikDey, Deepa Xavier, Venkatesh R. ,V. Subramanian, D. K. Shukla and VijaylakshmiDayal Substantial magnetoelectric response in $2/3[\text{Pb}(\text{Mg}1/3\text{Nb}2/3)\text{O}_3]-1/3[\text{PbTiO}_3]-\text{CoFe}_2\text{O}_4$ Composites, Journal of Alloys and Compounds, 863, 158504 https://doi.org/10.1016/j.jallcom.2020.158504(Elsevier), 2021</p>	
		<p>7. GaneshaChannagoudra, Ajay Kumar Saw and VijaylakshmiDayalRole of structure and cation distribution on magnetic and electrical properties in inverse spinel copper ferrite, Total , Journal of Physics and chemistry of Solids, Journal of Physics and Chemistry of Solids, 154, 110086, https://doi.org/10.1016/j.jpccs.2021.110086 (Elsevier), 2021</p>	
		<p>8. Ajay Kumar Saw and VijaylakshmiDayal,Effect of film thickness on electrical and magneto transport properties in $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ thin films grown on LaAlO_3 (011), Materials Today Proceeding's, Volume 46, Part 14, Pages 6218-6222, https://doi.org/10.1016/j.matpr.2021.06.068(Elsevier) 2021</p>	
		<p>9. Ajay Kumar Saw, GaneshaChannagoudra, TejasPethker, K. V. Gangadharan, and VijaylakshmiDayal Automated low temperature resistivity measurement set-up: design and fabrication, Materials Today Proceeding's, Volume 47, Part 8, Pages 1670-1675, https://doi.org/10.1016/j.matpr.2021.05.341(Elsevier) 2021</p>	
	Total		9