

Thiagarajar College of Engineering, Madurai-625015
Department of Physics



Name of the Supervisor	Name of the scholar	Research Area	Title of research	Status (Completed/ Ongoing)
Dr.V.Gayathri	A.Sivakami	Quantum dots	Investigation on Electronic properties of semiconducting Nanosystems for Optoelectronics applications	Completed
Dr.V.Gayathri	N.R.Devi	Adsorption studies	Studies on unique properties of novel Carbon and other Nano structures	Submitted
Dr.V.Gayathri	B.Shenbagabalakrishnan	Energy storage	Investigation on the Electrical and Electrochemical behaviour of Nano structures for enhanced Energy storage applications	Ongoing
Dr.V.Gayathri	B.Karuppasamy	Thin film	Electrical and optical studies on emerging Nano structures for high efficiency Photovoltaic device applications	Ongoing
Dr. M. Mahendran	K. Pushpanathan	Smart Materials	Martensitic and Magnetic transformations in polycrystalline Ni-Mn-Ga alloy	Completed
	R. Chokkalingam	Smart Materials	Mechanical behavior of Ferromagnetic shape memory alloys and Magnetorheological Elastomers	Completed
	R. Senthur Pandi	Smart Materials	Stress wave propagation in Ni-Mn-Ga / PU composites	Completed
	R. Geetha	Smart Materials	Investigation on low dimensional semiconductor systems – Carbon nanostructures and nano materials	Completed
	S. Elizabeth Premalatha	Smart Materials	Design and development of Magnetorheological Fluid smart materials for Acoustic Device Applications	Completed
	R. Shanmuga Sundari	Smart Materials	Electronic and structural properties of Ferromagnetic shape memory alloys	Completed
	K. Vallal Peruman	Smart Materials	Structural and martensite phase transformations in Nanostructured Ni ₂ MnGa Ferromagnetic shape	Completed

			memory alloys	
	R.Kodi Pandyan	Nano Materials	Carbon Nanotubes based nanocomposites for storage applications	Completed
	R.Racil Jeya Geetha	Smart Materials	Magneto mechanical properties of polymer composites	Completed
	S. Seenithurai	Nano Materials	Functionalized carbon based nano materials for hydrogen storage applications	Completed
	C. Mahalakshmi	Smart Materials	Magnetic properties of Ni-Mn-Ga	Ongoing
	R.Jesintha Rani	Smart Materials	Phase transformations in shape memory alloys	Ongoing
	A. Ramlinga Chandrasekar	Smart Composites	Design Development and studies of polymer blend smart composites	Ongoing
	T.V.Banumathy	Smart Materials	Mechanical vibration damping with magnetostrictive nano composite materials	Ongoing
	S. Nirmala	Smart Materials	Structural and magnetic properties of FSMA	Ongoing
	S.Vinodh Kumar	Smart Materials	Ferromagnetic shape memory alloy thin films	Ongoing
	B.Rekha	Nano Materials	Density functional theoretical studies of electronic structure of CNT	Ongoing
	A.Shajitha Banu	Smart Materials	Structural and damping properties of ferromagnetic shape memory alloys	Ongoing
	C. Saranya	Smart Materials	Damping effect in ferromagnetic shape memory alloy and composites	Ongoing