



SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY

RESEARCH FACILITIES

LIST OF APPROVED PhD RESEARCH GUIDES OF THE INSTITUTE AND AREA OF SPECIALTY

HOSPITAL WING

Sl. No.	Name and Designation	Department/ Division/ Lab	Area of Specialty	Email Id	Contact Number
1	Dr. Appukuttan. P.S Professor & HOD	Biochemistry	Glycoimmunobiology (immunology of carbohydrate-binding antibodies and proteins), immune complexes in vascular and CNS diseases, Lectins, Lipid immunology	psappu@sctimst.ac.in	2524496
2	Prof. Gupta. A.K Prof & Head	Radiology	Imaging Sciences and Interventional Radiology	gupta@sctimst.ac.in	2524117
3	Dr. Harikrishnan. S Additional Professor	Cardiology	Atherosclerotic coronary artery disease in the young, Epidemiology-Coronary artery disease, Rheumatic valvular heart disease, Pulmonary hypertension	drhari@sctimst.ac.in	2524458
4	Dr. Jayakumari. N Professor	Biochemistry	Lipids and lipoprotein metabolism related with atherosclerotic vascular diseases, molecular basis of Lp(a) entry in atherogenesis, Free radicals, oxidate stress and antioxidants in ischemia-reperfusion injury, coronary heart disease, stroke and epilepsy, Dietary fatty acids and lipid metabolism, Physico-chemical and functional characterization of high-density lipoprotein in health and disease state	jaya@sctimst.ac.in	2524178
5	Dr. Jayasree. R.S Scientist-C	Radiology	Diagnostic and therapeutic application of lasers in medicine, Development of MR and optical nanoprobe (SPIO,USPIO,Gold Nanoprobe, carbon nanotubes and quantum dots) for molecular imaging and image processing	jayasree@sctimst.ac.in	2524124
6	Dr. Kishore, Asha Professor	Neurology	Genetics, motor physiology including transcranial magnetic stimulation, electrical stimulation, drug delivery systems, technology development for diagnosis and evaluation of movement disorders	asha@sctimst.ac.in	2524268
7	Dr. Kesavadas. C Additional Professor	Radiology	Functional neuroimaging, magnetic resonance imaging, Medical image processing	kesav@sctimst.ac.in	2524215
8	Dr. Mathuranath. P.S Associate Professor	Neurology	Neuroimaging(structural and functional), Neuropsychological, Molecular Cellular & Neurogenetics aspects of Cognition & Behavioural Neuroscience, Dementias and Neurodegenerative diseases	mathu@sctimst.ac.in	2524584

9	Dr. Radhakrishnan. K Sr. Prof & Director	Neurology	Molecular Genetics in Epilepsy/ Neurology	krk@ sctimst.ac.in	2524282/ 2524400
10	Dr. Radhakrishnan. V.V Professor & Head	Pathology	Infectious disease, Immunology, Brain tumours	vvr@ sctimst.ac.in	2524508
11	Dr. Renuka Nair. R Scientist G & Head	Cellular & Molecular Cardiology	Cardiac stem cell biology, metabolic modulation in cardiac hypertrophy	renuka@ sctimst.ac.in	2524505
12	Dr. Sandhyamani. S Professor	Pathology	Pathobiology and genetics of Cardiac & Cerebro-Vascular diseases, Diabetes Mellitus and Metabolic Syndrome, Rheumatic Heart Disease and Lung Cancers; Fluorescence & Raman spectroscopy techniques for in-vitro & invivo molecular characterization and diagnosis of Vascular, Cardiac, Pulmonary and Thoracic lesions; Toxico-nutritional diseases, with special reference to tobacco and drug-induced blood and muscle disorders	ssm@ sctimst.ac.in	2524605
13	Dr. Shivakumar. K Scientist F	Cellular & Molecular Cardiology	Unlike cardiac myocytes, cardiac fibroblasts retain their replicative capacity throughout adult life and are relatively resistant to several pro-apoptotic stimuli that prevail in pathophysiologic states of the myocardium, which underlie their critical role in myocardial remodeling following injury. This laboratory focuses on the regulation of the cardiac fibroblast cell cycle and the relative resistance of these cells to apoptosis under hypoxia, a major constituent of myocardial ischemia and infarction.	shivak@ sctimst.ac.in	2524593
14	Dr.Sivasankaran. S Additional Professor	Cardiology	Pediatric and preventive cardiology and cardiovascular epidemiology	siva@ sctimst.ac.in	2524458
15	Dr. Srinivas. G Scientist C	Biochemistry	Signalling events in Gliomas, Pathobiology of neurodegenerative disorders, Regulation of autophagy in diseases	srinivasg@ sctimst.ac.in	2524689
16	Dr. Thomas, Sanjeev .V. Professor	Neurology	Clinical epileptology, Electrophysiology, Pharmacogenomics, Molecular genetics of epilepsy, Neuropsychology, Language dysfunction	sanjeev@ sctimst.ac. in	2524468

ACHUTHA MENON CENTRE FOR HEALTH SCIENCE STUDIES (AMCHSS)

1	Dr. Kutty, V.Raman Professor	Epidemiology, Health System Research	Public health, Epidemiology of diabetes, Health policy	rkutty@ sctimst.ac.in	2524240
2	Dr. Ramanathan, Mala Additional Professor	Medical Anthropology	Gender in public health, Population Sciences	mala@ sctimst.ac.in	2524234
3	Dr. Ravindran, Sundari T.K Honorary Professor	Gender Issues in Health Systems	Social determinants of health, sexual and reproductive health and health systems/health sector reform	ravindrans @usa.net	
4	Dr. Thankappan. K.R Professor & HOD	Epidemiology, Health System Research	Chronic disease epidemiology and health system research	thank@ sctimst.ac.in	2524231

BIOMEDICAL TECHNOLOGY WING

1	Dr. AnilKumar. T.V Scientist E	Pathology	Experimental Pathology, Mammalian derived extracellular matrix for tissue engineering applications	tvanilkumar@sctimst.ac.in	2520305
2	Dr. Bhuvaneshwar. G.S Head Biomedical Technology Wing	Biomedical Technology	Biomedical Technology – medical device design and development; cardiovascular devices and blood compatible materials	bhuvnesh@sctimst.ac.in	2520201
3	Dr. Jayabalan. M Scientist F	Polymer Division	Biomedical materials and polymers for medical applications, Implant and medical devices, Tissue engineering	jaybalan@sctimst.ac.in	2520212 2520252
4	Dr. John, Annie Scientist E	Transmission Electron Microscope	Bone substitutes for orthopaedic applications and adult stem cell research	ajkari@sctimst.ac.in	2520215
5	Dr. Joseph, Roy Scientist E	Polymer Processing	Processing and testing of polymers for biomedical application, Mechanical and dynamic testing of polymeric materials, Polymer-ceramic/bioglass composites, Sustained drug delivery systems, Radiopaque polymers for medical application, Surface coating on devices, Hydrogel systems, Curcumin solubilization for medical applications	rjoseph@sctimst.ac.in	2520225, 2520275
6	Dr. Kalliyana Krishnan. V Scientist G	Dental Products	Novel scaffolds for tissue engineering, Controlled drug delivery systems, Nanoparticle studies for cardiovascular applications, Tomographic studies of dental microstructure, Raman spectroscopic studies of biomaterials, Development of novel dental biomaterials	kalyankv@sctimst.ac.in	2520221
7	Dr. Kumary. T.V Scientist G	Tissue Culture	Cell - Material interaction, Biocompatibility, stem cells and tissue engineering	tvkumari@sctimst.ac.in	2520261
8	Dr. Lissy. K. Krishnan Scientist F	[Thrombosis Research Unit	Stem cell biology and Tissue regeneration with specific emphasis to matrix biology	lissykk@sctimst.ac.in	2520219
9	Dr. Lizymol. P.P Scientist C	Dental Products	Polymer composites, synthesis of polymers for medical and dental applications, Inorganic hybrid materials (Ormocers), Nano composites, smart composites and dental tissue remineralization	lizymol@sctimst.ac.in	2520311

10	Dr. Mohanan. P.V Scientist F	Toxicology	Toxicological/biocompatibility studies of materials, Molecular and Immunotoxicology, Nanomaterial toxicology, Toxicology of degradable materials, Development of In vitro alternative methods in toxicology, Hypersensitivity (allergy) studies of biomaterials	mohanpv@sctimst.ac.in	2520266
11	Dr. Mohanty, Mira Scientist G	Histopathology Laboratory	Tissue response to materials for medical devices	mira@sctimst.ac.in	2520251
12	Dr. Prabha Nair. D Scientist G	Polymer Analysis	Tissue engineering and stem cell research, Polymer biomaterials	prabha@sctimst.ac.in	2520242
13	Dr. Ramesh. P Scientist E	Polymer Processing	Polymeric biomaterials for medical devices and implants, processing of biomedical polymers, nanocomposites, biodegradable and bioactive composites, electrospinning of polymers and composites, polymeric bioelectrodes and conductive hydrogels	rameshp@sctimst.ac.in	2520225 2520275
14	Dr. Sharma, Chandra P Scientist G (Senior Grade)	Bio Surface Technology	Polymeric and metallic micro/nano particles based drug/protein/gene delivery systems, surface modification and tissue/blood compatibility	sharmacp@sctimst.ac.in	2520214
15	Dr. Sreenivasan. K Scientist G	Polymer Analysis	Design, synthesis and evaluation of smart polymers, functionalized metallic nano particles and nano/micro capsules in sensing and drug delivery applications	sreeni@sctimst.ac.in	2520248
16	Dr. Thekkuveetil, Anoop Kumar Scientist F	Molecular Medicine	Molecular Neurobiology	anoop@sctimst.ac.in	2520257, 2520256
17	Dr. Varma, Harikrishna. P.R Scientist E	Bioceramics & SEM	Synthesis and characterisation bioactive ceramics and their composites, nano ceramic and inorganic materials for biomedical applications, Chemical methods of synthesis of bioceramic materials, biomimetic preparation and processing of advanced inorganic-organic materials, biosensors and their fabrication using advanced ceramic processing methods, ceramic coatings by pulsed laser ablation and other techniques	varma@sctimst.ac.in	2520220 2520240