



SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY

LIST OF APPROVED PhD GUIDES AND THEIR AREAS OF RESEARCH

(AT DIFFERENT WINGS OF SCTIMST & CENTRES CONDUCTING AFFILIATED PROGRAMS)

HOSPITAL WING, SCTIMST

Sl. No.	Name, Designation Department/ Division/ Lab	Areas of Research	Contact details
1	Dr. Asha Kishore Director, SCTIMST & Professor (Senior Grade) Dept. of Neurology	"Genetics and molecular pathology of movement disorders, Non-invasive brain stimulation-based neuro-science research (transcranial magnetic stimulation and fMRI based research)" in movement disorders, medical devices technology development for movement disorders	Email: asha@sctimst.ac.in Tel.: 0471-2524601
2	Dr. Ashalatha Radhakrishnan Professor Dept. of Neurology	Epilepsy, Sleep Medicine, Electrophysiology, Imaging and Epilepsy	Email: drashalatha@sctimst.ac.in Tel.: 0471-2524282 Mob.: 9847416321
3	Dr. S. Harikrishnan Professor Dept. of Cardiology	Atherosclerotic coronary artery disease in the young, Epidemiology-Coronary artery disease, Rheumatic valvular heart disease, Pulmonary hypertension	Email: drhari@sctimst.ac.in Tel.: 0471-2524458
4	Dr. C. Kesavadas Professor Dept. of Imaging Sciences and Interventional Radiology	Functional neuroimaging, magnetic resonance imaging, Medical image processing	Email: kesav@sctimst.ac.in Tel.: 0471-2524215 Mob.: 9447047002
5	Dr. Neethu Mohan Scientist D Cellular and Molecular Cardiology	Fibroblasts, cardiac stem cells, exosomes and micro RNA in cardiac disease and remodelling. Role of connexins in cardiac fibroblast phenotypic transformation and extra cellular matrix synthesis in cardiac diseases.	Email: neethum@sctimst.ac.in Telephone: 0471-2524505
6	Dr. Ramshekhar N. Menon Additional Professor Dept. of Neurology	Pediatric epilepsy cognitive neurosciences	Email: rsnmenon@sctimst.ac.in Mob.: 9946916769; 9495691626
7	Dr. Sanjeev Thomas Professor (Sr. Grade) Dept. of Neurology	<i>Clinical epileptology, Electrophysiology, Pharmacogenomics, Molecular genetics of epilepsy, Neuropsychology, Language dysfunction.</i>	Email: sanjeev@sctimst.ac.in Tel.: 0471-2524468
8	Dr. G. Srinivas Scientist F Dept. of Biochemistry	Mitochondrial metabolism and function in diabetic heart, myocardial autophagy in diabetes, protein modifications in type 2 diabetes, role of macrophages in amyloid beta clearance in Alzheimer's disease.	Email: srinivasg@sctimst.ac.in Tel.: 0471-2524689 Mob.: 8547547918
9	Dr. P. N. Sylaja Professor Dept. of Neurology	Neuroimaging in stroke, stroke rehabilitation and stroke genetics, Biomarkers in stroke, community stroke care.	Email: sylajapn@sctimst.ac.in ; sylajapn@hotmail.com Tel.: 0471-2524482 Mob.: 9446566287

ACHUTHA MENON CENTRE FOR HEALTH SCIENCE STUDIES, SCTIMST

Sl. No.	Name, Designation Department/ Division/ Lab	Areas of Research	Contact details
1.	Dr. Biju Soman Professor	Public Health, Public health technologies (Informatics, GIS-Public Health, Telemedicine & HTA). Epidemiology, disease surveillance & precision public Health; Data science & public health analytics.	Email: bijusoman@sctimst.ac.in Tel.: 0471-2524230 Mob.: 9447862736
2.	Dr. P. Jeemon Assistant Professor	Chronic diseases, Complex public health interventions, disease registry	Email: jeemon@sctimst.ac.in Tel.: 0471-2524250
3.	Dr. Mala Ramanathan Professor	Public Health, Medical Anthropology, Gender in public health, Population Sciences	Email: mala@sctimst.ac.in Tel.: 0471-2524234
4.	Dr. Rakhal Gaitonde Professor	Health Policy, Implementation Research, Health Systems Research, Accountability, Governance and Corruption, Health Inequity	Email: rakhal.gaitonde@sctimst.ac.in Mob.: 9940246089
5.	Dr. P. Sankara Sarma Professor and Head	Applications of Biostatistics and Demography in Health and Medical Sciences	Email: sarma@sctimst.ac.in Tel.: 0471-2524232
6.	Dr. A. Srikant Assistant Professor	Molecular epidemiology of chronic diseases, genetic and epigenetic biomarker discovery, public health biology	Email: asrikant@sctimst.ac.in Tel.: 0471-2524233, Mob.: 8921499987
7.	Dr. K. Srinivasan Professor	Public Health, Health Management, Health System Research	Email: ksriini@sctimst.ac.in Tel.: 0471-2524243

BIOMEDICAL TECHNOLOGY WING, SCTIMST

Sl. No.	Name, Designation Department/ Division/ Lab	Areas of Research	Contact details
1	Dr. P.R. Anil Kumar Scientist F Division of Tissue Culture	3D Bioprinting, Hepatotoxicity Test Systems, Biofabrication of Liver Constructs, Tissue Specific Bioinks, Stem Cells, Tissue Engineering and Regenerative Medicine, Regenerative Dentistry, Cell Sheet Technology, Ocular surface regeneration, Microfluidic on-chip devices for drug testing, In vitro organotypic systems, 3D culture systems, Bioreactors, Cytocompatibility evaluation	Email: anilkumarpr@sctimst.ac.in Tel.: 0471-2520261 Mob.: 94473 40754
2	Dr. T.V. Anilkumar Scientist G Division of Experimental Pathology	Experimental Pathology, Mammalian derived extracellular matrix for tissue engineering applications	Email: tvanilkumar@sctimst.ac.in Tel.: 0471-2520305
3	Dr. T. Anoop Kumar Scientist G Division of Molecular Medicine	Molecular Neurobiology	Email: anoop@sctimst.ac.in Tel.: 0471-2520257; 2520256 Mob.: 9495200824
4	Dr. P.R. Harikrishna Varma Head, BMT Wing	Synthesis and characterization bioactive ceramics and their composites, nano ceramic and inorganic materials for biomedical applications, Chemical methods of synthesis of bioceramic materials, biomimetic preparation	Email: varma@sctimst.ac.in Tel.: 0471-2520201 Mob.: 9446454427

		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	
5	Dr. R.S. Jayasree Scientist F Division of Biophotonics and Imaging	Development of biomaterials, with focus on nanomaterials for bio-sensing, photodynamic therapy, photothermal therapy, hyperthermia, and imaging applications are the main focus of the group. Nanomaterials of interest include gold quantum clusters, gold nanorods, quantum dots, carbon nanotubes, carbon dots, iron oxide nanoparticles, vanadium nanoparticles and hybrid materials. The group also works on different optical spectroscopic techniques including fluorescence, infrared, Raman and diffuse reflectance spectroscopy, and chemometric and artificial intelligence based classification of spectral data including spectral maps. In vivo and ex vivo optical imaging, MR imaging, contrast agents for imaging applications and image processing, AI and machine learning are other major areas of works, being carried out by this group.	Email: jayasree@sctimst.ac.in jayashreemenon@gmail.com Tel.: 0471-2520273 Mob:9495948221
6	Dr. Kamalesh K. Gulia Scientist F Division of Sleep Research	Neurophysiology of sleep and Cognition; Role of sleep in developmental programming; Neural dynamics after sleep deprivation using animal models, and simulation protocols in human; Mechanism for interaction of sleep and thermoregulation; Identification of non-pharmacological interventions for treating insomnia ; Evaluation of ayurvedic principles for regulation of sleep.	Email: kkgulia@sctimst.ac.in Tel.: 0471-2520398 Mob.: 9048344712
7	Dr. P.P. Lizymol Scientist F Division of Dental Products	Bioactive nanocomposites for dental and orthopaedic applications; Synthesis & characterization of radiopaque, cyto-compatible and bioactive polymers for biomedical applications; Tissue adhesives for dental and orthopaedic applications; Bioactive bone cement for load carrying applications, cemented arthroplasty, to reconstruct the diseased bone and deliver bioactive agents to the body and for the treatment of osteoporotic vertebral compression fractures; Periodontal Guided tissue regeneration; Dental caries preventing materials; Novel photopolymerizable polymeric scaffolds for tissue engineering and regeneration; Controlled drug delivery systems; Tomographic studies of dental microstructure and polymerization shrinkage; FT Raman spectroscopic studies of biomaterials; Plasticizers free flexible PVC for medical applications; Synthesis of advanced inorganic-organic polymeric materials using green chemistry and environmentally friendly chemical processes.	Email: lizymol@sctimst.ac.in Tel.: 0471- 2520221
8	Dr. Manoj Komath Scientist G Division of Bioceramics	Materials Physics, Design and development of synthetic bone substitute materials, Design of injectable bioactive bone cements,	Email: manoj@sctimst.ac.in Tel.: 0471-2520240 Mob.: 9387414142

		Development of bioactive coatings on implants, Development of protective and functional carbon coatings on medical devices.	
9	Dr. A. Maya Nandkumar Scientist G Division of Microbial Technology	Developing Tissue Engineered models for study of cell – material – bacterial interactions. Gene expression profiling in microbial biofilm.	Email: anmaya@sctimst.ac.in; amayanandkumar@gmail.com Tel.: 0471-2520260 Mob.: 9446559543
10	Dr. P.V. Mohanan Scientist G Division of Toxicology	Toxicological/biocompatibility studies of materials, Nanomaterial toxicology, Molecular and Immunotoxicology, Toxicology of degradable materials, Development of In vitro alternative methods in toxicology, Hypersensitivity (allergy) studies of biomaterials.	Email: mohanpv@sctimst.ac.in Tel.: 0471-2520266 Mob.: 9446542702
11	Dr. Prabha D. Nair Scientist G (Sr. Grade) Division of Tissue Engineering and Regeneration Technologies	<i>Tissue engineering and stem cell research. Novel biomaterials and scaffolds- Synthesis & characterization, Controlled drug delivery.</i>	<i>Email: prabha@sctimst.ac.in Tel.: 0471-2520242 Mob.: 9895574350</i>
12	Dr. P. Ramesh Scientist G Division of Polymeric Medical Devices	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	Email: rameshp@sctimst.ac.in Tel.: 0471-2520225 Mob.: 9446489752
13	Dr. M.R. Rekha Scientist F Division of Biosurface Technology	Polymeric biomaterials for therapeutic molecule delivery applications; focusing on oral peptide delivery systems, advanced wound care materials for chronic wounds and non-viral gene delivery systems.	Email: rekhamr@sctimst.ac.in Tel.: 0471-2520284 Mob.: 9847955634
14	Dr. Roy Joseph Scientist G Division of Polymeric Medical Devices	Radiopaque polymers for embolization–liquid and microspheres, Polymer-ceramic/bioglass composites, bioink for 3D bioprinting, cell-nanomaterial interactions, metal–curcumin complexes for medical applications, surface modification of medical devices, hydrogel systems, translational research	Email: rjoseph@sctimst.ac.in Tel.: 0471-2520275 Mob.: 9447000987
15	Dr. P.R. Umashankar Scientist G Division of In vivo Models and Testing	Regenerative medicine, Guided tissue regeneration, Scaffold induced regeneration, Pharmacological modulation of tissue response, Animal models, Medical device safety/efficacy.	Email: umashnkr@sctimst.ac.in Tel.: 0471-2520226 Mob.: 9495984231

**PhD GUIDES OF AFFILIATED PROGRAMS AT
CHRISTIAN MEDICAL COLLEGE, VELLORE**

Sl. No.	Name and Designation	Areas of Research	Contact details
1.	Dr. Alok Srivatsava	Stem Cell Biology, molecular haematology and gene therapy	Email: aloks@cmcvellore.ac.in
2.	Dr. E. Eunice Sindhuvi	Characterization of genes involved in iron metabolism. Regulation of globin synthesis in Haemoglobin E syndromes	Email: Eunice@cmcvellore.ac.in Tel.: 0416-2283569

3.	Dr. Gagandeep Kang	Public Health, communicable diseases, Vaccine preventable diseases, enteric infections, molecular Epidemiology	Email: gkang@cmcvellore.ac.in Tel.: 0416-2282052
4.	Dr. Jacob John	Public Health: Infectious disease epidemiology, Vaccine preventable pediatrics infectious diseases.	Email: Jacob@cmcsph.org Tel: 0416-2284207
5.	Dr. Jasmin Helan	Public Health, Reproductive and Adolescent Health Women's Health - Reproductive Tract Infection - Sexually Transmitted Infection - HIV Prevention - Economic Evaluation Studies	Email: jasminp@cmcvellore.ac.in Tel.: 0416-2284400
6.	Dr. Mohankumar K. Murugesan	Stem Cell Biology, Gene editing for hematological disorders, Molecular hematology and Gene therapy	mohankumarm@cmcvellore.ac.in Tel.: 0416-3075140
7.	Dr. B. Poonkuzhali	Mechanisms and modulation of drug resistance in leukemias, pharmacogenetics of anticancer agents, Conditioning regimens in Allogeneic stem cell transplantation	Email: bpoonkuzhali@cmcvellore.ac.in Tel.: 0416-2283476
8.	Dr. R.V. Shaji	Stem Cell Biology, Molecular Haematology	Email: rvshaji@cmcvellore.ac.in Tel.: 0416-3075114
9.	Dr. Srinivas Babu	Neurophysiology	Email: srinivas@cmcvellore.ac.in Tel.: 0416-2282442
10.	Dr. Suresh Devasahayam	Biomedical Signal Processing, Biomedical Instrumentation, Rehabilitation Engineering, Physiological Measurement.	Email: surdev@cmcvellore.ac.in Tel.: 0416-2285097; 2285098
11.	Dr. Vikram Mathews	Leukemia biology and resistance, Evaluation of novel combination therapy for leukemia. Allogeneic stem cell transplantation, graft manipulation	Email: vikram@cmcvellore.ac.in Tel.: 0416-3072801
12.	Dr. Vrisha Madhuri	Tissue Engineering and Regenerative Medicine, Musculoskeletal Stem Cells in Orthopaedics	Email: madhuriwalter@cmcvellore.ac.in Tel.: 0416-2282171

PhD GUIDES OF AFFILIATED PROGRAM AT
INDIAN INSTITUTE OF PUBLIC HEALTH, NEW DELHI

Sl. No.	Name and Designation	Areas of Research	Contact details
1	Prof. Sanjay Zodpey Vice President – PHFI and Director – IIPH Delhi	Epidemiology and Health Systems	Email: sanjay.zodpey@phfi.org Mob.: 09871115640
2	Dr. Habib Hasan Farooqui Associate Professor	Pharmaceutical economics, Economic burden of diseases, Cost Effectiveness Analysis, Access to Medicines, Access to vaccines, medicine utilization and expenditures, Impact evaluation of policy interventions	Email: habib.hasan@iiphd.org Mob.: 09999984673
3	Dr. Suparna Ghosh-Jerath Additional Professor	Public Health Nutrition	Email: suparna.ghoshj@iiphd.org Mob.: 09711311910

PHD GUIDES OF AFFILIATED PROGRAM AT
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY & MANAGEMENT –
KERALA

<i>Sl. No.</i>	<i>Name and Designation</i>	<i>Areas of Research</i>	<i>Contact details</i>
1.	Dr. Joseph Suresh Paul Associate Professor	Medical Image Processing, Magnetic Resonance Imaging, MR Image Acquisition and Signal Processing	Email: j.paul@iiitmk.ac.in Tel.: 0471-2527567 Mob.: 9846627817

PHD GUIDES OF AFFILIATED PROGRAM AT
NATIONAL INSTITUTE OF EPIDEMIOLOGY, CHENNAI

<i>Sl. No.</i>	<i>Name and Designation</i>	<i>Areas of Research</i>	<i>Contact details</i>
1.	Dr. Manoj Murhekar Scientist G	Epidemiology	Email: mmurhekar@gmail.com Tel.: 044-26136426 Mob.: 9444414663

Updated on: August 2020