**PhD Theses**

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| **Acc. No.** | **Title** | **Scholar** | **Guide** | **Year** |
| T-1 | Development of Free Space Method for Material Characterization and GPR Study and a Case Study on Biological Samples | Biju Kumar S | Dr. K T Mathew | 2002 |
| T-2 | Investigations on Slot – Loaded Square Microstrip Patch Antennas for Compact Dual Frequency Dual Polarised Operations | Binoy G S | Dr. K Vasudevan | 2002 |
| T-3 | Development and Analysis of Dual Frequency Microstrip Antennas | Manju Paulson | Dr. C K Aanandan | 2002 |
| T-4 | Development and Analysis of Compact Microstrip Antennas | Sona O KunduKulam | Dr. C K Aanandan | 2002 |
| T-5 | PSWT Based Linear Predictive Coding and Development of a Parallel Multiple Subsequence Structure for DWT Computation | V P Devassia | Dr. Tessamma Thomas | 2003 |
| T-6 | Classification of Mammograms and DWT Based Detection of Microcalcification | Mini M G | Dr. Tessamma Thomas | 2004 |
| T-7 | Novel Low Loss A(A1/4 B2/4 C1/4) O3 Dielectrics and Their Applications in Broadband Antennas | P V Bijumon | Dr. M T Sebastian & Prof. P Mohanan | 2005 |
| T-8 | Investigations on a Microstrip Excited Rectangular Dielectric Resonator Antenna | Mridula S | Prof. P Mohanan | 2005 |
| T-9 | Development of a Technique for Estimating Rain Parameters From Rain Noise Measurements | T K Mani | Prof. Dr. P R S Pillai | 2006 |
| T-10 | Enhancement of Microwave Properties of Planar Filters and Antennas Using Photonic Bandgap ( PBG ) Structures  | Sreedevi K Menon | Prof. P Mohanan | 2006 |
| T-11 | Hexagonal Dielectric Resonator Antenna – a Novel DR Antenna for Wireless Communication  | V Hamsakutty | Dr. K T Mathew | 2007 |
| T-12 | Realization of a Target Classifier for Noise Sources in the Ocean | Supriya M H | Prof. Dr. P R S Pillai | 2007 |
| T-13 | Development of a Novel Wideband Cylindrical Dielectric Resonator Antenna  | A V Praveen Kumar | Dr. K T Mathew | 2008 |
| T-14 | Development of Shape Descriptors Based on Legendre Polynomials and Content-Based Retrieval of Scoliosis Images  | Dinesh Kumar V P | Dr. Tessamma Thomas | 2008 |
| T-15 | A Beacon Based Localization System for Autonomous Mobile Robots and its Application in Traffic and Transport Control | James Kurian | Dr. P R Saseendran Pillai | 2008 |
| T-16 | Printed Monopole Antenna for Ultra Wide Band (UWB) Applications  | K Francis Jacob | Prof. P Mohanan | 2008 |
| T-17 | Investigations on Broadband Planar Monopole Antennas With Truncated Ground Plane | Suma M N | Prof. P Mohanan | 2008 |
| T-18 | Strategies for Inverse Profiling of Two Dimensional Dielectric Scatterers Using Electro Magnetic Illumination  | Vinu Thomas | Dr. K T Mathew | 2008 |
| T-19 | Design and Development of Compact Asymmetric Coplanar Strip Fed Antennas | Deepu V | Prof. P Mohanan | 2009 |
| T-20 | Development and Analysis of a Compact Coplanar Antenna With Flared Monopole for Dual band applications | Gijo Augustine | Prof. K Vasudevan | 2009 |
| T-21 | Fractal based techniques for classification of mammograms and identification of microcalcifications | Deepa Sankar | Dr. Tessamma Thomas | 2011 |
| T-22 | Design and development of reconfigurable compact cross patch antenna for switchable polarization | Nishamol M S | Prof.K.Vasudevan | 2012 |
| T-23 | Development of Techniques for the automatic Extraction and Grade Detection of Glioma Tumors From Conventional Brain Magnetic Resonant Images  | Ananda Resmi S | Dr. Tessamma Thomas | 2013 |
| T-24 | Development of a Fully Automated Image Analysis Method for High Density cDNA and Array CGH Microarray Based Genomic Studies | Deepa J | Dr. Tessamma Thomas | 2013 |
| T-25 | Underwater Target Localization, Tracking and Classification | Prabha C | Prof. Dr. P R S Pillai | 2013 |
| T-26 | Development of a Biometric Personal Authentification System Based on Fingerprint and Speech | Praveen N | Dr. Tessamma Thomas | 2013 |
| T-27 | Realization of an Underwater Target Classifier With Improved Performance  | Binesh T | Prof. Dr. P R Saseendran Pillai | 2014 |
| T-28 | Investigation on radiation characteristics and Pattern Reconfigurability of Asymmetric Coplanar Strip Antenna | Ashkarali P | Prof. C K Aanandan | 2015 |
| T-29 | Design and development of spectral signature based chipless RFID tags | Dinesh R | Prof.P.Mohanan | 2015 |
| T-30 | Implementation of an Underwater Target Classifier Using Higher Order Spectral Features | Mohankumar K | Prof. Dr. P R S Pillai | 2015 |
| T-31 | Design and Analysis of Printed UWB Antenna With Dual Band – Notched Characteristics | Sarah Jacob | Prof. P Mohanan | 2015 |
| T-32 | Development of Algorithms for Detecting Architectural Distortion and Enhancing Microcalcification Features From pectoral Muscle Delileated Mammograms | Rekha Lakshmanan | Dr. Vinu Thomas | 2016 |
| T-33 | Investigation on Compact Uni-Planar Antennas for Wireless Communications  | Sreenath S | Prof. C K Aanandan | 2016 |
| T-34 | Investigation on the Radiation Characteristics of Compact Multiple Antenna System for MIMO Applications  | Anitha R | Prof. K Vasudevan | 2017 |
| T-35 | Genomic signal processing methods for detection of copy number variation from array CGH data and phylogenetic classification using protein sequences | Anu Sabarish R | Dr.Tessamma Thomas | 2017 |
| T-36 | Blind Estimation of Sonar Images From Diverse Speckle-Scene Models | Rithu James | Prof. (Dr.) Supriya M H | 2017 |
| T-37 | Reconfigurable Platform Based Design in FPGA for Underwater Image Enhancement, Object Detection and Pipeline Tracking  | S M Alex Raj | Prof. (Dr.) Supriya M H | 2017 |
| T-38 | Sparse Signal Processing for Undersea Acoustic Links | Sabna N | Prof. Dr. P R S Pillai | 2017 |
| T-39 | Design and Development of Planar Chipless RFID Tags | Sajitha V R | Prof. P Mohanan | 2017 |
| T-40 | Underwater Target Classifier with Improved Success Rate Using Meta- Optimal Support Vector Machines | Sherin B M | Prof. (Dr.) Supriya M H | 2017 |
| T-41 | Genomic Sequence Analysis of Noncoding RNA  | Tina P G | Dr. Tessamma Thomas | 2017  |
| T-42 | Design, Development and Analysis of Small Antennas | Deepak U  | Prof. P Mohanan | 2018 |
| T-43 | Coplanar Waveguide to Double – Sided Parallel - Strip Line Transitions and Their Applications | Nelson K J | Prof. K Vasudevan | 2019 |
| T-44 | Synthesis and Characterization of Novel Doped Conducting Polymer Composites for Microwave Application | Sreekala P S | Prof. C K Aanandan | 2020 |
| T-45 | Statistical characterization and interpretation of peptide from tandem mass spectra | Sangeetha R | Dr. Tessamma Thomas | 2021 |
| T-46 | Investigations on the Radiation Characteristics of Coplanar Waveguide fed Compact Antennas With Shorted Signal Strip and Ground Plane | Vivek R | Prof. K Vasudevan | 2021 |
| T-47 | Passive Acoustic Classification of Underwater Target Using Unsupervised Representation Learning Schemes | Satheesh Chandran C | Prof. (Dr.) Supriya M H & Prof. (Dr.) A Mujeeb | 2021 |
| T-48 | Design, Development and Analysis of Harmonic Suppressed Stepped Impedance Dipole Antennas | Manoj M | Prof. P Mohanan | 2021 |
| T-49 | Performance Analysis and Optimizations for Virtualized Mobile Computing | Deepa Mathew | Dr. Bijoy Antony Jose | 2021 |
| T-50 | Design and Development of Highly Directive Antenna Array for Beam Switching Applications | Sruthi Dinesh | Prof. C K Aanandan | 2021 |
| T-51 | Development of unimodal and multimodal ASR systems based on speech and EEG signals for BCI and application. | Mini P. P. | Dr. R. Gopika Kumari and Dr. Tessamma Thomas | 2021 |
| T-52 | Development crystallizer- image analyzer syatem and its application in optical bandgap modification of triglycine sulphate. | Vijeesh P. | Prof. (Dr.) Supriya M H | 2021 |
| T-53 | Analysis of breast cancer specific miRNA- mRNA- TF relationship using genomic signal processing techniques. | Binthiya Suny Gabriel | Dr. Tessamma Thomas | 2022 |
| T-54 | Design, development and analysis of stepped impedance resonator embedded electrically small Microstrip patch antenna | Vinisha C. V. | Prof. P. Mohanan | 2022 |
| T-55 | Investigations on planar microwave sensors for material characterization. | Remsha M. | Prof. P. Mohanan | 2022 |
| T-56 | Optimization of electromagnetic attributes of conducting polymers for microwave applications. | Neeraj K. Pushkaran | Dr. Tessamma Thomas | 2022 |