



# St. Joseph's Institute of Technology

St. Joseph's Group of Institutions

OMR, Chennai - 119

Department of Electronics and Communication Engineering

(Accredited by NBA)

## FACULTY DETAILS

Staff Name	Dr. Thennarasi G
Designation	Assistant Professor
Date of Birth	19.06.1996
Educational Qualification	M.Tech, Ph.D
Area of Interest	Antennas and Microwave Design
Years of Experience	4 Months
Area of Research	RF and Microwave antennas, WBAN and biomedical antennas
Publication Details	<p><b>International Journals:</b></p> <ol style="list-style-type: none"> <li>1. Thennarasi Govindan, Sandeep Kumar Palaniswamy, Malathi Kanagasabai, Sachin Kumar, Thipparaju Rama Rao, Mohammed Gulam Nabi Alsath, "On the design and performance analysis of wristband MIMO/diversity antenna for smart wearable communication applications", Scientific Reports, 11, 21917 (2021).</li> <li>2. Thennarasi Govindan, Sandeep Kumar Palaniswamy, Malathi Kanagasabai, Sachin Kumar, Thipparaju Rama Rao, Mohammed Gulam Nabi Alsath, "Conformal Quad-Port UWB MIMO Antenna for Body-Worn Applications", International Journal of Antennas and Propagation, vol. 2021, Article ID 9409785, 13 pages, 2021.</li> <li>3. Thennarasi Govindan, Sandeep Kumar Palaniswamy, Malathi Kanagasabai, Sachin Kumar, Mohammed Marey, Hala Mostafa, "Design and Analysis of a Flexible Smart Apparel MIMO Antenna for Bio-Healthcare Applications". <i>Micromachines</i>, 13, 1919, 2022.</li> <li>4. Thennarasi Govindan, Sandeep Kumar Palaniswamy, Malathi Kanagasabai, Sangeetha Velan, Sachin Kumar and Thipparaju Rama Rao, "Quad-Port Electromagnetic Band Gap (EBG) - Backed Non-Isomorphic Multiple-Input-Multiple-Output (MIMO) Antenna for Wearable Applications" <i>Flexible and Printed Electronics journal</i>, 7, 035030, 2022. (SCI IF: 3.768)</li> </ol>

5. Thennarasi Govindan, Sandeep Kumar Palaniswamy, Malathi Kanagasabai, Sachin Kumar, "Design and Analysis of UWB MIMO Antenna for Smart Fabric Communications", *International Journal of Antennas and Propagation*, vol. 2022, Article ID 5307430, 14 pages, 2022.
6. Thennarasi Govindan, Sandeep Kumar Palaniswamy, Malathi Kanagasabai, Sachin Kumar, Mohammed Gulam Nabi Alsath, "Low Specific Absorption Rate Quad-Port Multiple-Input-Multiple-Output Limber Antenna Integrated with Flexible Frequency Selective Surface for WBAN Applications" *Flexible and Printed Electronics journal*, doi: 10.1088/2058-8585/acc25c (SCI IF:3.768).
7. Thennarasi Govindan, Sandeep Kumar Palaniswamy, Malathi Kanagasabai, Sachin Kumar, Rajesh Agarwal and Damodhar Panigraphy "Design and Analysis of a Conformal MIMO Ingestible Bolus Antenna for Wireless Capsule Endoscopy in Animal Husbandry" *IEEE Sensors Journal*. doi: 10.1109/JSEN.2023.3323658.
8. Sugumar Durai, Thennarasi Govindan, Anita Jones T, Vanathi P T, Jency N, & Jenifer Bosco. "Circularly Polarized Rectangular Microstrip Patch Antenna with Diagonal Asymmetric Slits." *International Journal of Engineering & Technology* [S.l.], vol.7, no.4.6, p. 444-448, sep. 2018. ISSN 2227-524X.

#### **Book Chapter:**

1. Sugumar Durai, Anita Jones, T., Senthilkumar, K. S., Jeba Kumar, R. J. S., & Thennarasi Govindan. (2020). Smart vehicle monitoring and tracking system powered by active radio frequency identification and internet of things. In *The cognitive approach in cloud computing and internet of things technologies for surveillance tracking systems* (pp. 51–64). Amsterdam: Elsevier.

#### **Conferences:**

1. Thennarasi Govindan, Sandeep Kumar Palaniswamy, Malathi Kanagasabai, Sachin Kumar, Thipparaju Rama Rao and Lekha Kannappan "RFID-Band Integrated UWB MIMO Antenna for Wearable Applications," *In 2021 IEEE International Conference on RFID Technology and Applications (RFID-TA)* (pp. 199-202). IEEE, October, 2021.
2. Thennarasi Govindan, Sandeep Kumar Palaniswamy, Malathi Kanagasabai, Sachin Kumar, Thipparaju Rama Rao and Lekha Kannappan "Hexagon Shaped UWB Monopole MIMO Antenna for WBAN Applications," *In 2022 International Conference on Wireless Communications Signal Processing and Networking (WiSPNET)* (pp. 302-305). IEEE, March, 2022.

	<ol style="list-style-type: none"> <li>3. Lekha Kannappan, Sandeep Kumar Palaniswamy, Malathi Kanagasabai, Sachin Kumar, Thipparaju Rama Rao and Thennarasi Govindan, "Sub-6 GHz Eight-Port 3-D Vehicular Antenna," 2022 International Conference on Wireless Communications Signal Processing and Networking (WiSPNET), Chennai, India, 2022, pp. 293-296.</li> <li>4. Lekha Kannappan, Sandeep Kumar Palaniswamy, Malathi Kanagasabai, Sachin Kumar, Thipparaju Rama Rao and Thennarasi Govindan, "CPW-Fed Quad-Band Dual Port Meandered Monopole Automotive Antenna," 2022 International Conference on Communication, Computing and Internet of Things (IC3IoT), Chennai, India, 2022, pp. 01-04.</li> <li>5. Sugumar Durai and Thennarasi Govindan, "RFID and GPS antennas design of Heterogeneous tracking system for school children safety," 2019 2nd International Conference on Signal Processing and Communication (ICSPC), 2019, pp. 361-365.</li> <li>6. A. B. Paul, A. U. Keerthana, Sugumar Durai, Thennarasi Govindan and Prakash, "Design of Rectangular Array Microstrip Patch Antenna for Improved Return Loss," 2019 2nd International Conference on Signal Processing and Communication (ICSPC), 2019, pp. 236-238.</li> </ol>
<b>FDP &amp; Workshop Attended Details</b>	<ol style="list-style-type: none"> <li>1. 13 days training on "Employability Skill Building Programme (E-SBP)" at UCEV conducted by (CUIC) Anna University and Titan Company Limited.</li> <li>2. One workshop on "Hands on Training in Arduino and Raspberry Pi" at University College of Engineering, Villupuram by Dreamer India Innovations.</li> <li>3. One day workshop on "Hands on Training in Arduino and Raspberry Pi" at University College of Engineering, Villupuram by Dreamer India Innovations.</li> <li>4. One day workshop on "CAD on MIC" at NIT Trichy.</li> <li>5. Five days Faculty Development Program on "Flexible and RF Printed Electronics" organized by SRMIST, Kattankulathur, Chennai.</li> <li>6. One day workshop on "Teaching Development Programme on Inspired Teaching of Electromagnetics" in SSN College of Engineering, Kalavakkam, Chennai.</li> <li>7. Five days online FDP on "Advanced Electromagnetics and Modern Antenna Design Principles" organized by SSN College of Engineering, Kalavakkam, Chennai.</li> <li>8. Three days online International Webinar on "International Workshop on Advanced Design Principles" organized by SSN College of Engineering, Kalavakkam, Chennai.</li> <li>9. Five days online FDP on "Advanced Electromagnetics and Applications" organized by SSN College of Engineering, Kalavakkam, Chennai.</li> </ol>

	<b>10.</b> Ten days online FDP on “EICT-LTAA2020” organized by SRMIST, Kattankulathur, Chennai.
<b>Professional Membership</b>	<b>IEEE</b>