

**Dr.Mahalingam College of Engineering and Technology**  
**Pollachi-642003**  
**Department of Electronics and Communication Engineering**  
**Publication in National/International Journals&Book Publications**  
**AY: 2022-2023: June 2022 to May 2023**

S.No	Name of the Authors	Title of the paper	Journal /Conference Name	Volume Issue Page No	Month & Year	Indexing	Impact Factor	DOI
1.	<b>R.Sudhakar,</b> C. Thirumarai Selvi, Jayasheela, J. Amudha,	An EEG based thought recognition using Pseudo-Wigner-Kullback-Leibler Deep neural classification	Circuits, Systems and Signal Processing, Springer,	E first September 2022, ISSN: 1531-5878	Sep-22	<b>SCI Scopus</b>	2.311	<a href="https://doi.org/10.1007/s00034-022-02164-7">https://doi.org/10.1007/s00034-022-02164-7</a>
2.	Kumar D, <b>Sudha V K</b> Ranjithkumar R	A one-round medical image encryption algorithm based on a combined chaotic key generator	Medical & Biological Engineering & Computing	61, Pages 205–227	Nov 2022	<b>SCI Scopus</b>	3.079	<a href="https://doi.org/10.1007/s11517-022-02703-z">https://doi.org/10.1007/s11517-022-02703-z</a>
3.	Kalimuthukumar.S* Rajesh.K <b>Kannapiran.B</b> Vijayakumar.B Manikandan.G	Averaged state space modeling and the applicability of the series Compensated Buck-Boost converter for harvesting solar Photo Voltaic energy	Sustainable Energy Technologies and Assessments, Elsevier	Volume 53, Part C, 102611	October 2022	<b>Q1 SCI Scopus</b>	7.632	<a href="https://doi.org/10.1016/j.seta.2022.102611">https://doi.org/10.1016/j.seta.2022.102611</a>
4.	Kalimuthukumar.S* Rajesh.K <b>Kannapiran.B</b> Vijayakumar.B Manikandan.G	A revolutionary Partial Resonant Inverter and doubler rectifier with MPPT based on Sliding Mode Controller for harvesting Solar photovoltaic sources	Sustainable Computing: Informatics and Systems, Elsevier	Volume 36 :100811 P-ISSN:2210-5379 E-ISSN:2210-5387	December 2022	<b>Q1 SCI Scopus</b>	4.923	<a href="https://doi.org/10.1016/j.suscom.2022.100811">https://doi.org/10.1016/j.suscom.2022.100811</a>

5.	<b>C.Kalamani</b> V.S.Nishok A.Asha S.Saravanakumar	Design of Adiabatic circuits with Reversible logic based full adder and multiplier in current-mode logic circuits for efficient power dissipation	Optik	170438, E-first	Decem ber 2022	<b>SCI Scopus</b>	2.84	<a href="https://doi.org/10.1016/j.ijleo.2022.170438">https://doi.org/10.1016/j.ijleo.2022.170438</a>
6.	<b>Mohaideen Abdul Kadhar.K</b> Natarajan.N* Vasudevan.M Saravanakuma.G	Parameter evaluation of a nonlinear Muskingum model using a constrained self-adaptive differential evolution algorithm	Water Practice and Technology, IWA Publishing	Vol. 17 No.11, pp.2396–2407. E-ISSN: 1751-231X"	Nov 2022	WoS- Emerging Source Citation Index	-	10.2166/wpt.2022.137
7.	<b>R Sherine Jenny, N Sugirtham</b>	SDN-Based Security for Smart Devices Against Denial of Service Attacks	Indian Journal of Science and Technology	Volume:16, Issue:3, Pages:181-189 P-ISSN: 0974-6846	Jan 2023	WoS	-	<a href="https://indjst.org/articles/sdn-based-security-for-smart-devices-against-denial-of-service-attacks">https://indjst.org/articles/sdn-based-security-for-smart-devices-against-denial-of-service-attacks</a>
8.	R. Pavithra <b>S.Thilagavathi</b> <b>T.Sathiyapriya</b> <b>R. Sudhakar</b>	Design of Compact 2*2 MIMO Antenna for 5G wireless Application	Journal of Physics: Conference Series	2466 No:012011	Mar 2023	Scopus	-	10.1088/1742-6596/2466/1/012011
9.	<b>V.K. Sudha</b> D.Kumar	Hybrid CNN and LSTM Network For Heart Disease Prediction	SN Computer Science	4, 172	Jan 2023	-	-	<a href="https://doi.org/10.1007/s42979-022-01598-9">https://doi.org/10.1007/s42979-022-01598-9</a>
10.	<b>Dr. Sudhakar Thilagavathi S</b> Abirami Vigneshwaran Kavin Sundari	Finger vein recognition based on deep Neural Networks	International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST)	Vol.8, Issue.7  E-ISSN :2456-5717	July 2022	-	-	-

**Book and Book Chapter:**

S.No	Corresponding Author	Title of the Book	Title of the Book Chapter	Indexing	DOI
1.	Kumar D* <b>Sudha V.K.</b>	Intelligent Systems Design and Applications (Lecture Notes in Networks and Systems)	A Hybrid Image Steganography Method Based on Spectral and Spatial Domain with High Hiding Ratio	Scopus	<a href="https://doi.org/10.1007/978-3-031-27440-4_61">https://doi.org/10.1007/978-3-031-27440-4_61</a>
2.	<b>Rajarajeshwari, K.C*</b> Poornima, T., <b>Gokul Anand, K.R.</b> Kumari, S.V.	Terahertz Devices, Circuits and Systems	SIMO Array Characterized THz Antenna Resonating at Multiband Ultra High Frequency Range for 6G Wireless Applications	Scopus	<a href="https://doi.org/10.1007/978-981-19-4105-4_7">https://doi.org/10.1007/978-981-19-4105-4_7</a>
3.	S. Kavitha* T. Poornima, H. Sathiya Girija <b>Gokul Anand, K.R</b>	Internet of Things and Data Mining for Modern Engineering and Healthcare Applications	IoT-Centered Household Security and Person's Healthcare System Predominantly Aimed at Epidemic Circumstances	Scopus	<a href="https://doi.org/10.1201/9781003217398">https://doi.org/10.1201/9781003217398</a>
4.	Prof.Mrunalini Buradkar Dr.S.Vadivukkarasi <b>Venkatesan.R.S</b> Dr.M.Saravanan	VLSI DESIGN	-	-	-
5.	KC Rajarajeshwari* <b>T Sathiyapriya</b> EL Dhivya Priya	Recent Advances in Graphene Nanophotonics	Surrogate Optimization-Assisted Dual-Band THz Inverted-F Coplanar Graphene Antenna	Scopus	<a href="https://doi.org/10.1007/978-3-031-28942-2_11">https://doi.org/10.1007/978-3-031-28942-2_11</a>

6.	<b>K. C. Rajarajeshwari *</b> <b>K. R. Gokul Anand,</b> E. L. Dhivya Priya, Dheeraj Kumar Joan Lu	Internet of Things Enabled Antennas for Biomedical Devices and Systems	Implantable Dual Band Low- Profile Meandered Patch Antenna for Adhesive Skin Mimicking and Skin Contact Applications	Scopus	<a href="https://doi.org/10.1007/978-981-99-0212-5_13">https://doi.org/10.1007/978-981-99-0212-5_13</a>
7.	E. L. Dhivya Priya*, A. Sharmila, <b>K. R. Gokul Anand</b> Arshi Naim	Internet of Things Enabled Antennas for Biomedical Devices and Systems	Wearable Proximity Coupled Antenna for IoT Applications	Scopus	<a href="https://doi.org/10.1007/978-981-99-0212-5_20">https://doi.org/10.1007/978-981-99-0212-5_20</a>
8.	<b>T. Sathiyapriya*</b> <b>K. C. Rajarajeshwari,</b> T. Poornima Sumit Agarwal	Internet of Things Enabled Antennas for Biomedical Devices and Systems	Design of Compact Low-Profile Antenna for Wearable Medical Applications	Scopus	<a href="https://doi.org/10.1007/978-981-99-0212-5_7">https://doi.org/10.1007/978-981-99-0212-5_7</a>
9.	<b>V.Gurunathan*</b> <b>R.Sudhakar</b> <b>T.Sathiyapriya</b> N.Sureka S.Suhita P.Aditya Sagar	Soft Computing for Security Applications	Palm Vein Biometric System using Support Vector machine Classifier	Scopus	<a href="https://doi.org/10.1007/978-981-99-3608-3_17">https://doi.org/10.1007/978-981-99-3608-3_17</a>