

SSN COLLEGE OF ENGINEERING

DEPARTMENT OF ECE

LIST OF FACULTY PUBLICATIONS

ACADEMIC YEAR: 2020 - 2021

International Journals (Academic year July – 2020 – June 2021)

1. M.Dhanalakshmi (Research Scholar), S.Sakthivel Murugan (Faculty - ECE), ‘Keypoint - based Mapping analysis on transformed side scan sonar images’ Multimedia tools and Applications, Springer, July 17,2020 (online),pp.1-31, Thomson Reuters indexed (IF: 2.60), Unpaid Abroad, <https://doi.org/10.1007/s11042-020-09247-0>
2. Mr. K. A. Karthigeyan, RS/ECE, Dr. S. Radha, Prof & Head/ECE published a paper titled “Single event transient study on PMOS-NMOS cross-coupled LC-VCO using PLL” in International Journal of Electronics, pp. 1-17, July 2020 (Published Online). DOI: <https://doi.org/10.1080/00207217.2020.1793419>
3. Ms. R. Indhu, RS/ECE, Dr. S. Radha, Prof & Head/ECE, Dr. E. Manikandan, AP/VIT, Dr. B. S. Sreeja, ASP/ECE published a paper titled “A retrospect on laser micromachining for the fabrication of microfluidic components” in the Journal of Optoelectronics and Advanced Materials, vol. 22, no. 7-8, pp. 400 - 410, July-August 2020. (Thomson Reuters, IF: 0.631) <https://joam.inoe.ro/articles/a-retrospect-on-laser-micromachining-for-the-fabrication-of-microfluidic-components/>
4. Ms. R. Indhu, RS/ECE, Dr. S. Radha, Prof & Head/ECE, Dr. E. Manikandan, AP/VIT, Dr. B. S. Sreeja, ASP/ECE, Ravi Nathuram Bathe, ARCI/Hyderabad published a paper titled “Development and Characterization of Laser Ablated Polymeric Microchannels” Vol.47, Issue 1-3, August 2020, pp. 125-132. (Thomson Reuters, IF: 0.340) <https://www.oldcitypublishing.com/journals/lie-home/lie-issue-contents/lie-volume-47-number-1-3-2020/lie-47-1-3-p-125-132/>
5. Mohan Chinnasamy(Research Scholar/ECE), Esther Sundarsingh(ASP/ECE), Priyadarshini Sankaran (PG/CS/2019), “Design of a novel compact modified-circular printed antenna for high data rate wireless sensor networks”, Int J RF Microw Comput Aided Eng. vol:30, no. 10, September 03, 2020. IF: 1.472, ISSN: 1099-047X, <https://doi.org/10.1002/mmce.22375>, Thomson Reuters, Unpaid, Abroad.
6. Mr. A. S. Shashank Karrthikeyaa (UG-ECE 2015-2019 batch), Ms. R. Priyadarshini (UG-ECE 2015-2019 batch), Ms. G. Revathi(UG-ECE 2015-2019 batch), Dr. S. Sakthivel Murugan, ASP/ECE published a paper titled “Design and Implementation of Secured Cloud-Based Remote Home Access Through an Application for Smart Infrastructure” in Advances

- in Intelligent Systems and Computing, vol. 1163, pp. 533-546, August 2020. (Scopus Indexed: 0.429) https://doi.org/10.1007/978-981-15-5029-4_44
7. Ms. S. Nikitha (UG-ECE 2015-2019 batch), Ms. Zohra Noori Mohsina (UG-ECE 2015-2019 batch), Ms. V. Sneha (UG-ECE 2015-2019 batch), Dr. S. Sakthivel Murugan, ASP/ECE published a paper titled “Development of Smart Electricity Energy Management System Using IoT” in Advances in Intelligent Systems and Computing, vol. 1163, pp. 547-566, August 2020. (Scopus Indexed: 0.429) [10.1007/978-981-15-5029-4_45](https://doi.org/10.1007/978-981-15-5029-4_45)
 8. Mr. S. Vinoth Kumar, PT-RS/ECE, Dr. R. Jayaparvathy, Prof/ECE, Ms. B. N. Priyanka, RS/ECE published a paper titled “Efficient path planning of AUVs for container ship oil spill detection in coastal areas” in the Journal of Ocean Engineering, Elsevier, September 2020 (Published Online) DOI: <https://doi.org/10.1016/j.oceaneng.2020.107932>(Clarivate Analytics, IF: 3.062)
 9. Ms. V. Aruna, RS/ECE, Dr. M. Gulam Nabi Alsath, ASP/ECE, Dr. S. Kirubaveni, ASP/ECE, Ms. M. Maheswari, (PG- 2017-2019 Batch), Dr. B. Bhuvaneshwari, Faculty/Panimalar published a paper “Polarization Diversity Enabled Flexible Directional UWB Monopole Antenna for WBAN Communications” in the International Journal of RF and Microwave Computer-Aided Engineering, vol. 30, no. 9, September 2020. (Clarivate Analytics, IF: 1.528) <https://doi.org/10.1002/mmce.22311>
 10. Ms. N. Kavitha, RS/ECE, Dr. M. Gulam Nabi Alsath, ASP/ECE, Dr. S. Kirubaveni, ASP/ECE, Dr. S. Ramprabhu, ASP/ECE, Dr. K. Malathi, Faculty/CEG published a paper “A Comprehensive Analysis on the State-of-the-Art Developments in Reflectarray, Transmitarray and Transmit-Reflectarray Antennas” in the International Journal of RF and Microwave Computer-Aided Engineering, vol. 30, no. 9, September 2020. (Clarivate Analytics, IF: 1.528) <https://doi.org/10.1002/mmce.22272>
 11. Ms. R. Archana, Dr. B. S. Sreeja, ASP/ECE, Dr. K. K. Nagarajan, ASP/ECE, Dr. S. Radha, Prof & Head/ECE, Dr. P. Balaji Bhargav, SSN RC Dr. C. Balaji, SSN RC, Ms. G. Padmalaya, RS/ECE published a paper titled “Development of highly sensitive Ag NPs decorated Graphene FET sensor for detection of Glucose concentration” in the Journal of Inorganic and Organometallic Polymers and Materials, vol. 30, pp. 3818-3825, September 2020. (Clarivate Analytics, IF: 1.941) <https://doi.org/10.1007/s10904-020-01541-6>
 12. Ms. L. Sumana, RS/ECE, Dr. S. Esther Florence, ASP/ECE published a paper titled “Pattern Reconfigurable Microstrip Patch Antenna Based on Shape Memory Alloys for Automobile Applications” in the Journal of Electronic Materials, September 2020 (Published Online). DOI: <https://doi.org/10.1007/s11664-020-08424-z> (Clarivate Analytics, IF: 1.774)
 13. Rajendiran P (PDF-IT), K.K.Nagarajan (Faculty-ECE), R.Srinivasan (Prof-IT), “Investigation of heavy-ion strikes on a fin field-effect transistor-based low-noise amplifier”, Semiconductor Science and Technology, Vol.35, No.12, November 2020, 125028, <https://doi.org/10.1088/1361-6641/abc1fe>, Thomson Reuters, Unpaid, Abroad (IF-2.361). ECE/2020-21/IJP/13.

14. M.P. Actlin Jeeva (KL university), T. Nagarajan (Prof & Head, IT) and P. Vijayalakshmi (Prof /ECE), "Adaptive multi-band filter structure-based far-end speech enhancement", IET Signal Processing, Vol. 14, No. 5, July 2020, pp. 288 - 299. Thomson Reuters, (IF: 1.754), unpaid. [10.1049/iet-spr.2019.0226](https://doi.org/10.1049/iet-spr.2019.0226)
15. Anushiya Rachel. G.,(Karunya University) P. Vijayalakshmi (Prof/ECE) and T. Nagarajan,(Prof & Head, IT) "Analysis of Algorithms to Estimate Glottal Closure Instants from Speech Signals", International Journal of speech technology, Sep. 2020. <https://doi.org/10.1007/s10772-020-09752-5>
16. Chandrasekaran Ashok and Narasimhan Venkateswaran, "A Computationally Efficient Modified MUSIC Spectrum for Resolving DOAs of Multiple Closely Spaced Non-Gaussian Sources", Progress In Electromagnetics Research C, Vol. 102, PP 241–251, 2020. indexed in Clarivate Analytics [10.2528/PIERC20020603](https://doi.org/10.2528/PIERC20020603)
17. Dr. S. Radha, Prof & Head/ECE, Dr. S. Kirubaveni, ASP/ECE, Ms. M. Sudha, Ms. R. Kiruthika, RS/ECE, Dr. R. Govindaraj, SSNRC, Mr. Santhosh Narendhiran, RS/SSNRC published a paper titled "Experimental Analysis of UV Activated Ethanol Sensor Based on the Formation of Organic/Inorganic Heterojunction" in Circuit world, vol. 47, pp. 1-5, June 2021. DOI: <https://doi.org/10.1108/CW-05-2020-0082> (Clarivate Analytics, IF: 1.395). ECE/2020-21/IJP/106.
18. Mr. K. A. Karthigeyan, RS/ECE, Dr. S. Radha, Prof & Head/ECE published a paper titled "Single event transient study on PMOS- NMOS cross-coupled LC-VCO using PLL" in International Journal of Electronics, pp. 1-17, July 2020 (Published Online). DOI: <https://doi.org/10.1080/00207217.2020.1793419> (IF: 1.004). ECE/2020-21/IJP/107.
19. Mr. K. A. Karthigeyan, RS/ECE, Dr. S. Radha, Prof & Head/ECE, Dr. E. Manikandan, AP/Crescent published a paper titled "Performance analysis of Terahertz planar antenna on Low-K polymer substrates" in the Journal of Optoelectronics and Advanced Materials, vol. 22, no. 5-6, p. 244 - 250, May- June 2020. (Clarivate Analytics, IF: 0.631). <https://joam.inoe.ro/articles/performance-analysis-of-terahertz-planar-antenna-on-low-k-polymer-substrates/>
20. Ms. R. Jansi, RS/ECE, Dr. R. Amutha, Prof/ECE published a paper titled "Hierarchical evolutionary classification framework for human action recognition using sparse dictionary optimization" in Swarm and Evolutionary Computation, vol. 63, pp. 1-11, March 2021 (Published Online). DOI: <https://doi.org/10.1016/j.swevo.2021.100873> (Clarivate Analytics, IF: 6.912).

21. Ms. L. Sathiyapriya, RS/ECE, Dr. A. Jawahar, Prof/ECE published a paper titled “A data fault detection algorithm for wireless sensor networks” in the journal Tierärztliche Praxis, vol. 40, pp. 1901-1915, November 2020. (Scopus Indexed, 0.415).
22. Devi Sowjanya, P(RS/SSN); Pranamika, B (UG-2019 batch); M. Gulam Nabi Alsath (Faculty/SSN); Kirubaveni, S (Faculty/SSN); Nilavathani, V (UG-2019 batch); Udaya Ezhil S (UG-2019 batch); “Reconfigurable Bow-Tie Based Filtering Antenna for Cognitive Radio Applications,” International Journal of RF and Microwave Computer-Aided Engineering, vol. 30, no. 7, July 2020, IF: 1.528, ISSN: 1099-047X, DOI: 10.1002/mmce.22208, Thomson Reuters, Unpaid, Abroad. <https://doi.org/10.1002/mmce.22208>
23. Padmathilagam, S (RS/CEG); Malathi, K (Faculty/CEG); Rajesh, N. (Faculty/VIT), M. Gulam Nabi Alsath (Faculty/SSN) & Sandeep Kumar, P. (Faculty/SRM); "Miniaturized Button like WBAN Antenna for Off body Communication," in IEEE Transactions on Antennas and Propagation, vol. 68, no. 7, pp. 5228-5235, July 2020, IF: 4.435, ISSN: 0018-926X, doi: <https://doi.org/10.1109/TAP.2020.2980367>, Thomson Reuters, Unpaid, Abroad.
24. Devi Sowjanya, P(RS/SSN); M. Gulam Nabi Alsath (Faculty/SSN); Kirubaveni, S (Faculty/SSN); Govindarajan, R (Research Scientist/SSNRC); Santhosh, N (RS/SSNRC), “An Ultra-wideband Rectenna using Optically Transparent Vivaldi Antenna for Radio Frequency Energy Harvesting,” International Journal of RF and Microwave Computer-Aided Engineering, Jul. 2020, IF: 1.528, ISSN: 1099-047X, DOI: <https://doi.org/10.1002/mmce.22362>, Thomson Reuters, Unpaid, Abroad.
25. S. Kingsly (Faculty/Symbiosis), K. Malathi (Faculty/CEG); M. Gulam Nabi Alsath (Faculty/SSN); P. Sandeep Kumar (Faculty/SRM); T. Rama Rao (Faculty/SRM); K. Indumathi (Faculty/SEC); S. Sangeetha (Faculty/VIT); P. Yogeshwari (Faculty/Sastra); “Compact Frequency and Bandwidth Reconfigurable Microwave Filter,” Wireless Personal Communications, Aug. 2020, IF: 1.061, ISSN: 1572-834X, DOI: <https://doi.org/10.1007/s11277-020-07652-0>, Thomson Reuters, Unpaid, Abroad.
26. S. Kingsly (Faculty/Symbiosis), K. Malathi (Faculty/CEG); M. Gulam Nabi Alsath (Faculty/SSN); T. Manimegalai, (Faculty/CEG), S. Sangeetha (Faculty/VIT), P. Sandeep Kumar (Faculty/SRM); K. Indumathi (Faculty/SEC); “Bandwidth Reconfigurable Microwave Filter Using Stepped Impedance C-Shaped Resonator,” Microwave and Optical Technology Letters, Wiley, Aug. 2020, IF: 0.957, ISSN: 0895-2477, DOI: <https://doi.org/10.1002/mop.32616>, Thomson Reuters, Unpaid, Abroad.
27. Padmathilagam, S (RS/CEG); Malathi, K (Faculty/CEG); M. Gulam Nabi Alsath (Faculty/SSN); T. Manimegalai, (Faculty/CEG), Shanmathi, S (PG Scholar/CEG); Shini, S (PG Scholar/CEG); Sandeep, KP (Faculty/SRM); “Low Profile Pattern Switchable Multi-

- Band Antenna for On/Off Body Communication,” International Journal of RF and Microwave Computer-Aided Engineering, IF: 1.528, ISSN: 1099-047X, DOI: <https://doi.org/10.1002/mmce.22448>, Thomson Reuters, Unpaid, Abroad.
28. Malathi K (Faculty/CEG); Padmathilagam S (RS/CEG); M. Gulam Nabi Alsath (Faculty/SSN); Dinesh N. M (UG scholar/CEG); Michael Shaun Morais (UG scholar/CEG); Akshara Viswanathan (UG scholar/CEG); Sandeep Kumar P (Faculty/SRM); Arunkumar Shrivastav (Faculty/SEC); “On the design of frequency reconfigurable tri-band miniaturized antenna for WBAN applications” AEU-International Journal of Electronics and Communications, Sep. 2020, IF: 2.924, ISSN: 1434-8411, DOI: <https://doi.org/10.1016/j.aeue.2020.153450>, Thomson Reuters, Unpaid, Abroad.
 29. Sakthi. A. B (Research Scholar/ECE), Esther F. Sundarsingh(ASP/ECE) and V. S. Ramalingam(ASP/Mech), "Mechanically Reconfigurable Frequency Selective Surface for RF Shielding in Indoor Wireless Environment," in IEEE Transactions on Electromagnetic Compatibility, doi: <https://doi.org/10.1109/TEM.2020.2983899>.
 30. J., Abanah S(Research Scholar/ECE), Sundarsingh, Esther.F.(ASP/ECE) V., Saraswathi, S (UG/ECE-2018), Sankareshwari, (UG/ECE-2018) and S., Sona (UG/ECE-2018), (2020), "Fall detection smart-shoe enabled with wireless IoT device", Circuit World, Aug 5, 2020. <https://doi.org/10.1108/CW-08-2018-0067>
 31. LogeswaranRajasekaran (Research Scholar – PT), S.SakthivelMurugan (Faculty – ECE), “ Optimum frequency Selection for localization of underwater AUV using dynamic positioning parameters” in “Journal of Microsystem Technologies”, CA (TR) indexed, IF: 1.737, pp.1-13, Vol: 5, April 2021, Unpaid, Abroad (online). DOI: <https://doi.org/10.1007/s00542-021-05222-3>
 32. M.Saravanan (Research Scholar), R.Kalidoss (Faculty-ECE), B.Partibane (Faculty-ECE), K.S.Vishvakshnan (Faculty-ECE), “Design of an interlocked four-port MIMO antenna for UWB automotive communications”, International Journal of Microwave and Wireless technologies, pp.1-8, 2021. Doi: <https://doi.org/10.1017/S1759078721000374>, IF: 0.9, Thomson Reuters, Unpaid, Abroad.
 33. A Elakkiya, S Radha, B S Sreeja , E Manikandan, “Tera Hertz Broadband Metamaterial Absorber Enabled By Sio2 Polymide And Pet Substartes”, Pramana – J. Phys. (Aug 2020) 94:130, 6 Pages. <https://doi.org/10.1007/s12043-020-01999-6>
 34. S Deepa Nivethika, B S Sreeja, E Manikandan, S Radha , M Senthilpandian, “Dynamic Frequency Analysis Of Stress Strain Dependant Reversibly Deformable Broadband Rf Antenna Over Unevenly Made Elastometric Substrate”, Pramana – J. Phys. (Aug. 2020) 94:122, 4 pages. [10.1007/s12043-020-01992-z](https://doi.org/10.1007/s12043-020-01992-z)

35. A.Elakkiya, S.Radha, B.S.Sreeja, E.Manikandan,” Terahertz dual-band/broadband metamaterial absorber enabled by SiO₂: polyimide and PET dielectric substrates with absorption characteristics”, Bull Mater Sci (Aug. 2020) 43:201 <https://doi.org/10.1007/s12034-020-02183-7>
36. A. Murugesan (RS), D. Natarajan (UG student) and K. T. Selvan, "Low-Cost, Wideband Checkerboard Metasurfaces for Monostatic RCS Reduction," in IEEE Antennas and Wireless Propagation Letters, vol. 20, no. 4, pp. 493-497, April 2021, doi: <https://doi.org/10.1109/LAWP.2021.3054863>. IF: 3.726
37. D. Kanchana, S. Radha, B.S. Sreeja,E. Manikandan, “A Single Layer Uwb Frequency Selective Surface for Shielding Application”, Journal of Electronic Materials, Vol. 49, No. 8, Aug. 2020, 4794-4800. <https://doi.org/10.1007/s11664-020-08210-x>
38. G. Anushiya Rachel, S. Sreenidhi, P. Vijayalakshmi, T. Nagarajan, “Incorporation of Happiness in Neutral Speech by Modifying Time-Domain Parameters of Emotive-Keywords”, Circuits, Systems, and Signal Processing (Accepted for publication). Thomson Reuters, IF: 1.67. DOI:[10.1109/TENCON.2014.7022458](https://doi.org/10.1109/TENCON.2014.7022458)
39. A. Elakkiya, S. Radha, B. S. Sreeja, E. Manikandan, “Terahertz metamaterial absorber with sensing Capabilities”, Journal Of Optoelectronics And Advanced Materials, Vol. 22, No. 7-8, July – August 2020, p. 360 – 364. <https://joam.inoe.ro/articles/terahertz-metamaterial-absorber-with-sensing-capabilities/>
40. J. Saranya, B. S. Sreeja,G. Padmalaya, S. Radha,T. Manikandan, “Ultrasonic Assisted Cerium Oxide/Graphene Oxide Hybrid: Preparation, Anti-proliferative, Apoptotic Induction and G2/M Cell Cycle Arrest in HeLa Cell Lines”, Journal of Inorganic and Organometallic Polymers and Materials (2020) 30:2666–2676. <https://doi.org/10.1007/s10904-019-01403-w>
41. R Pavithra Guru (Research Scholar/ECE) and V Vaithianathan (Faculty/SSN), "An efficient VLSI circuit partitioning algorithm based on satin bowerbird optimization (SBO)", Journal of Computational Electronics, Volume-19, Issue-3, pp: 1232-1248, 2020. (Thomson Reuters Indexed). <https://doi.org/10.1007/s10825-020-01491-9>
42. Radha Shankararajan (Faculty/SSN), Kirubaveni Savarimuthu (Faculty/SSN), Sudha Murugesan, Kiruthika Ramany(Research Scholar/ECE), Govindaraj Rajamanickam, and Santhosh Narendhiran. "Experimental analysis of UV-activated ethanol sensor based on the formation of organic/inorganic heterojunction”, Circuit World ,2020.(IF: 1.395, Thomson Reuters Indexed). <https://doi.org/10.1108/CW-05-2020-0082>

43. Sakthi Abirami B (Research Scholar), Esther Florence S (ASP/ECE) & Vimal Samsingh R (ASP/Mech), “ On-body RF Sensor towards Tremor Detection in Parkinson’s Disease” IEEE/ASME Transactions on Mechatronics, 2020. [10.1109/TMECH.2020.3045139](https://doi.org/10.1109/TMECH.2020.3045139)
44. Ms. M. Kavitha, RS/ECE, Dr. N.Venkateswaran, Prof/ECE published a paper titled “Multiband Terahertz Metamaterial Absorber Based on Multipolar Plasmonic Resonances” in Plasmonics, pp. 1-9, January 2021 (Published online), (Clarivate Analytics, IF: 2.335) DOI: <https://doi.org/10.1007/s11468-020-01322-4>.
45. Ms. V. Angeline Beulah, RS/ECE, Dr. N. Venkateswaran, Prof/ECE published a paper titled “Subspace Leakage Reduced Non- Uniform Sparse Fibonacci-like Planar Array to estimate azimuth and elevation angles of both AoA and AoD” in Transactions on Emerging Telecommunications Technologies, Wiley, vol. 32 (2), pp. 1-24, February 2021.(Clarivate Analytics, IF: 1.594) <https://doi.org/10.1002/ett.4162>
46. D. Kanchana, S. Radha, B. S. Sreeja, E. Manikandan, “A Miniaturized Flexible FSS for Dual Band Response”, International Journal of Microwave and wireless technologies, Volume 12, PP 1-7, Nov 2020, doi: <https://doi.org/10.1017/S1759078720001506>.
47. Elakkiya A., Radha Sankararajan and Sreeja B.S., Seven-band ultra-thin terahertz metamaterial absorber at 0.3-0.5 THz frequency, Circuit World, Published online. <https://doi.org/10.1108/CW-03-2020-0051>
48. D. Kanchana, S. Radha, B. S. Sreeja, E. Manikandan, “Polarization dependent FSS for X and Ku-band frequency response”, Journal of Optoelectronics and Advanced Materials Vol. 22, No. 7-8, July – August 2020, p. 365 – 370. <https://joam.inoe.ro/articles/polarization-dependent-fss-for-x-and-ku-band-frequency-response/>
49. R Nithya, N Venkateswaran, Janani Aiyer, Swetha K.V , ‘Deep CNN framework for retinal disease diagnosis using optical coherence tomography images’, Journal of Journal of Ambient Intelligence and Humanized Computing. 2020. <https://doi.org/10.1007/s12652-020-02460-7>, 1868-5137.
50. K. Muthukrishnan and N Venkateswaran, “Wide Band Low RCS Metasurface and its Application on Patch Antenna” Progress In Electromagnetics Research M, Vol. 98, 77-87, Nov. 2020. DoI: <https://doi.org/10.2528/PIERM20091001>

51. Annapoorani S and Jayaparvathy R, "Grasshopper optimization algorithm tuned maximum power point tracking for solar photovoltaic systems" Journal of Ambient Intelligence and Humanized Computing <https://doi.org/10.1007/s12652-020-02593-9> © Springer-Verlag GmbH Germany, part of Springer Nature October 2020(Thomson Reuters IF 1.91, Unpaid, <https://doi.org/10.1007/s12652-020-02593-9>)
52. Renita J, Edna Elizabeth N, Shantha A, Varsha S, "A Comparative Study and Performance Analysis of Elliptic Curve Cryptography", Solid State Technology, Volume: 63 Issue: 6, November 2020, pp.6430-6440, ISSN: 0038111X (Scopus indexed journal), Impact factor: 0.11, <https://solidstatetechnology.us/index.php/JSST/article/view/4381>
53. Shoba Sivapatham (SRF, IIITDM), Asutosh Kar (IIITDM), Rajavel Ramadoss (Faculty, SSNCE), "Performance analysis of various training targets for improving speech quality and intelligibility", Applied Acoustics, (Elsevier), Volume 175, Nov 2020, Impact Factor 2.44, Unpaid, Abroad. <https://doi.org/10.1016/j.apacoust.2020.107817>
54. Devi Sowjanya, P(RS/SSN); Tusharika, Y (UG 2020); M. Gulam Nabi Alsath (Faculty/SSN); Kirubaveni, S (Faculty/SSN); Malathi K (Faculty/CEG), Radha S (Faculty/SSN), Santhosh, N (RS/SSNRC); Balaji Bhargav (Research Scientist, SSNRC), "A Novel Optically Transparent UWB Antenna for Automotive MIMO Communications," IEEE Transactions on Antennas and propagation, Dec. 2020, IF: 4.371, ISSN: 0018-926X, doi: <https://doi.org/10.1109/TAP.2020.2980367>, Thomson Reuters, Unpaid, Abroad. ECE/2020-21/IJP/54.
55. Shanthapriya, R (Research Scholar) and V. Vaithianathan (Faculty ECE), "Block-Healthnet: Security based healthcare system using block-chain technology", Security Journal (2020) (ISSN 0955-1662), <https://doi.org/10.1057/s41284-020-00265-z> - Clarivate Analytics (Impact Factor 2019 - 0.838), unpaid, Abroad. ECE/2020-21/IJP/55.
56. Ms. M. J. Anitha, PT-RS/ECE, Dr. R. Hemalatha, ASP/ECE, Dr. S. Radha, Prof & Head/ECE, "A Survey on Crack Detection Algorithms for Concrete Structures" in P. Suresh, U. Saravanakumar, Hussein Al Salameh M. (eds) Advances in Smart System Technologies. Advances in Intelligent Systems and Computing, Springer, vol .1163, 2021, pp.639-654. (Scopus indexed, SJR: 0.184) https://doi.org/10.1007/978-981-15-5029-4_53
57. Nirmala Krishnamoorthi and Vinoth Kumar Chinnababu, "WBCT Features Based Detection of Glaucoma in a Secured E-Health Environment", Solid state Technology, Volume 63, no.6, 2020. (Scopus, Unpaid, Abroad) <https://solidstatetechnology.us/index.php/JSST/article/view/3106>

58. Nirmala Krishnamoorthi and Vinoth Kumar Chinnababu, "Pavlin's Parameter Estimation for Detection of Glaucoma from Ultrasound Bio-microscopy Images", Solid state Technology, Volume 63, no.3, 2020. (Scopus, Unpaid, Abroad) <https://solidstatetechnology.us/index.php/JSST/article/view/6565>
59. Ramany, Kiruthika, Radha Shankararajan, Kirubaveni Savarimuthu, Iyappan Gunasekaran, R. Govindaraj, Santhosh Narendhiran, and Ramasamy Perumal "Experimental Analysis of Transition Metal (Ni-V) Codoped ZnO Nanorods for Piezoelectric Accelerometer Application," in IEEE Transactions on Nanotechnology, vol. 19, pp. 728-735, Sep 2020, doi: <https://doi.org/10.1109/TNANO.2020.3026213>. (IF – 2.196) ECE/2020-21/IJP/59.
60. S. Mary Cecilia (Research Scholar - FT) and S. Sakthivel Murugan (Faculty- ECE) "Edge Aware Turbidity Restoration of Single Shallow Coastal Water Image", Journal of Physics: Conference Series, Vol. 1911, No. 1, p. 012021, ISSN:1742-6588 (SNIP- 0.464), June 2021, doi: <https://doi.org/10.1088/1742-6596/1911/1/012021>.
61. -Blessy Annie Flora. J (PG CS-Student 2018-20), S. Radha, Prof & Head/ECE, R. Hemalatha, ASP/ECE, Aasha Nandhini. S , Research Associate/ECE, " Plant Disease Detection for Banana using Long Range Wide Area Network", International Journal of Security and Networks, Dec 2020. <https://doi.org/10.1504/IJSN.2021.116778>
62. Sukanthi (Student – PG), S.Sakthivel Murugan (Faculty –ECE), Hanis (Faculty –ECE), "Binarization of Stone Inscription Images by Modified Bi-level Entropy Thresholding", Fluctuations and Noise Letters, TR (IF: 1.53), Unpaid, Abroad, Vol: 20, Issue No:6, pp.1-16 (online), May 2021, <https://doi.org/10.1142/S0219477521500541>.
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