



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)

DEPT.OF ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PUBLICATIONS

2022-23

Dr. N. Subash

International Journals:

1. Dr.N.Subash, Yeldi Agasthya , “IMPLEMENTATION OF LOW-POWER APPROXIMATE UNSIGNED MULTIPLIERS WITH CONFIGURABLE ERROR RECOVERY”, Journal of Applied Science and Computations, ISSN: 1076-5131, Volume IX, Issue XI, pp: 1-7, Nov-22.

Dr. Anup Dey

1. Mandira Biswas, Anup Dey and Subir Kumar Sarkar, “Polyaniline Based Field Effect Transistor for Humidity Sensor”, Silicon, Springer Nature, ISSN/ISBN :1876990X, 18769918, Vol.14, pp. 8919–8925 (2022),SCI,<https://doi.org/10.1007/s12633-021-01594-3>.

Dr. Arun kumar Madupu

International Journals:

1. R. Chinna Rao, Padala Vanitha, Arunkumar Madupu, Pala Mahesh Kumar, “Speech Steganography Using DWT with IPDP-MLE Approach for Defence Applications, Journal Of Algebraic Statistics, Volume 13, No. 3, 2022, p. 4805-4817. , ISSN: 1309-3452.

Dr. R Chinna Rao

International Journals:

1. R. Chinna Rao, Padala Vanitha, Arunkumar Madupu, Pala Mahesh Kumar, “Speech Steganography Using DWT with IPDP-MLE Approach for Defence Applications, Journal Of Algebraic Statistics, Volume 13, No. 3, 2022, p. 4805-4817. , ISSN: 1309-3452.

Dr. Padala Vanitha

International Journals:

1. R. Chinna Rao, Padala Vanitha, Arunkumar Madupu, Pala Mahesh Kumar, “Speech Steganography Using DWT with IPDP-MLE Approach for Defence Applications, Journal Of Algebraic Statistics, Volume 13, No. 3, 2022, p. 4805-4817. , ISSN: 1309-3452.

Kiran Kumar Vemula

International Journals:

1. Kiran Kumar Vemula · S. Neeraja, "A fast partial distortion-based motion estimation algorithm in Walsh–Hadamard domain", *Signal, Image and Video Processing*, 05-Jul-22, ISSN/ISBN:18631711, 18631703, VOLUME 16, SCI, <https://doi.org/10.1007/s11760-022-02272-6>.

Hindol Bhattacharjee

International Journals:

1. Mr. Hindol Bhattacharjee, Mr. Arindam Chakraborty, Dr. Rajiv Ganguly, Dr. Monojit Mitra, "Junction temperature management of white pLED at high temperature industrial ambient under tropical conditions: A simulation based study", *International Journal of Nano particles*, ISSN:1753-2507, Volume 14, issue 2-4, page no 147-158, Scopus; 06-Oct-22.

Thaticharla Manasaveena

International Journals:

1. Thaticharla Manasaveena, "Empirical laser measured with optical coherent quadrature amplitude modulation receiver for upgrading fiber optic systems", *Journal of Optical Communications*, Scopus, Nov-2022.
2. Thaticharla Manasaveena, "Different mode operations based all optical fiber amplifiers with optical differential polarization quadrature phase shift keying transmitter", *Journal of Optical Communications*, Scopus, Nov-2022.
3. Thaticharla Manasaveena, "Grating index difference (GID) and order based distributed feedback laser effects on coarse wavelength division multiplexing optical fiber systems", *Journal of Optical Communications*, Scopus, Nov-2022.
4. Thaticharla Manasaveena, "Single fiber grating profile multi scan parameters for the optimization of grating parameters by using OptiGrating simulation", *Journal of Optical Communications*, Scopus, Nov-2022.
5. Thaticharla Manasaveena, "High-speed passive optical networks performance signature in downstream direction based on the engagement of both nonlinear cross-phase modulation (XPM) and cross-gain modulation (XGM) techniques", *Journal of Optical Communications*, Scopus, Nov-2022.
6. Thaticharla Manasaveena, "Electro-optic power/signal quality optimization based on the interaction between electro-optic modulators and electrical filters", *Journal of Optical Communications*, Scopus, Nov-2022.
7. Thaticharla Manasaveena, "Multi-mode step graded index fibers performance parameters (attenuation/dispersion/mode field) measurements by using OptiFiber simulation", *Journal of Optical Communications*, Scopus, Nov-2022.
8. Thaticharla Manasaveena, "Ideal single mode laser operation with single drive conventional/phase shift Mach–Zehnder modulators measured in optical access networks", *Journal of Optical Communications*, Scopus, Nov-2022.

9. Thaticharla Manasaveena, "Optical fiber communication system links performance enhancement for high-speed data transmission through short-reach applications", Journal of Optical Communications, Scopus, Nov-2022.
10. Thaticharla Manasaveena, "Simulation of ultra long reach and high speed data rate optical wireless multiplexing communication systems based on various modulation codes", Journal of Optical Communications, Scopus, Nov-2022.

Dr. Sadanand Yadav

International Journals:

1. Vinay Kumar, Sadanand Yadav, Anand Sharma, Arun Prakash, Rajeev Tripathi, Dushantha Nalin K. Jayakody, "3D-multilayer magneto-inductive transceiver coil structure and optimal placement of relays for non-conventional media", Wireless Networks, Springer,2022, ISSN/ISBN:1572-8196, Volume No-22, Page No-2115–2129,SCI,<https://doi.org/10.1007/s11276-022-02949-3>.