



SWARNANDHRA

COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

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Permanenet Affiliation to J N T U K, Kakinada

Seetharampuram, **NARSAPUR** - 534 280, W.G.Dist., Andhra Pradesh

LIST OF RESEARCH PUBLICATIONS

- 1 Ramalakshmi, ^a Dash, Sasmita^a Siragam, Srilali^b
Next-generation sensors enabled by sol-gel derived ZnO–ZnAl₂O₄–TiO₂ nanoparticles
2025, Materials Letters, 400

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Publisher: Elsevier B.V.

Document Type: Article

Source: Journal

- 2 Lakshminarasimha, Kasetty^a Saraswathi, ^b Subbaraju, Mummidi^c Rao, M. Koteswara^d Kalyani, Kapula^e
Optimization of Deep Learning Technique for OFDM Receivers in 6G Wireless Communications
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Publisher: European Alliance for Innovation

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- 3 Gogulamanda, Veerendra Kumar^a Lakavarapu, Ravi Kishore^a Nakka, Bulli Raju^a Vanamali, Rambabu^a Selvaraj, Surendar^a
[Design and development of a dual-mode floor cleaning four wheel robots with manual and automated functionality](#)
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DOI: 10.1063/5.0296421

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Document Type: Conference paper

Source: Conference proceeding

- 4 Saravanan, ^a Raju, P. Satyanarayana^b Dubey, ^c Someswararao, ^d
[RCWA-based Investigation of Incident Wavelength Effects on Amorphous Silicon Thin-film Solar Cell](#)
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- 7 Lokesh, ^a Sathyasri, ^b Christina, ^c Kumar, T. R. Dinesh^d
Metamaterial cavity based EBG loaded THz breast and skin cancer biosensor with high Q-factor
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- 8 Nataraj, Dasari^a Rao, Karedla Chitambara^b Chakradhar, ^c Sudhir, ^d Ujwala, G. Vinutna^e
A High-Gain Array Antenna Design for 6G Terahertz Wireless Systems
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9 Siragam, Srilali^a
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- 12 Rao, Karedla Chitambar^a Nataraj, Dasari^b Chakradhar, ^c Ujwala, G. Vinutna^d Sudhir, ^e
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- 13 Luther King, M. Francis^a Singh, G. Robert^a Yepuri, Venkatesh^a
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- 16 Bhavani, Nallam Vani Annapurna^a Ramana Kumar,^b Sahoo, Chandan Kumar^c Krishna, Gopal^d Kumar, Nellore Manoj^e
Building sustainable internet of things ecosystem connectivity: An integration of deep learning with cloud and edge computing
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- 17 Siragam, Srilali^a
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- 18 Chitambara Rao, Karedla^a Nataraj, Dasari^b Chakradhar, ^c Vinutna Ujwala, ^d Lakshmunaidu, ^e
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- 22 Yepuri, Venkatesh^a Sigamani, Saravanan^b Swaminadham, Veluri^b
Sol-gel spin coating of ZnO thin films for hydrophobic and radiation resistant applications
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- 23 Mohan, ^a Ramesh, ^a Seshu, Moturu^a Kumar, P. Muthu^b Valavala, Madhu^c
DESIGN AND IMPLEMENTATION OF ELECTRIC VEHICLE CHARGING STATION INTEGRATED WITH DIFFERENT ENERGY SOURCES USING ANFIS CONTROLLER
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- 25 Saravanan, ^a Swaminadham, ^a Kumar, R. Sanjeev^b Rao, Ch. Venkateswara^a
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- 27 Chintala, Jagannadha Naga Pavan Kumar^a Arumugam, Sundhar^b Dubey, Raghvendra S.^c Saravanan, Sigamani^d Srinivasarao, Kotari^e
Empowerment of Photonics in Thin Film Amorphous Silicon Solar Cells
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- 29 Rao, Thota Kesava^a Raju, K V Peddi^a Krishna, V S Rama^a Chanti, Sabbithi^a Kavuri, Karunakar^a
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- 31 **Light matters: fabrication and investigation of optical and wetting properties of TiO₂/SiO₂ multilayer structure**
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Yepuri, Venkatesh^a Rajayya, Matte^a

- 32 **Advancements in Visible Reflection Coatings: Thin Films for Photonic and Optoelectronic Applications**
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- 42 Suryanarayana, S. Venkata^a Lakshmi, ^b Chiranjeevi Swamy, Posimsetti T^c Mahesh, D. Bhanu^d
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- 44 **Dynamic Graph Representation for WSI Classification: A Knowledge-Aware Attention Mechanism for Enhanced Computational Pathology**
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- 48 Lenka, Komali^a Jyothi, Pulaparthi Lakshmi Asha^b Brahma Ramesh, Kallakuri N.V.P.S.^c Lanka, Dasaradha Ramayya^d Srikanth, ^e
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- 49 Ashok kumar, ^a Priyatharsini, G.Soniya^b Bhimaavarapu, Krishna^c Charaan, R.M.Dilip^a Konakalla, Jai Prakash^d
Design and Analysis of Smart Health Care Predictions Using Machine Learning
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- 51 Sarma, ^a Sreenivasa Rao, ^b Dubey, ^c Saravanan, ^d Anandakumar, ^e
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Transition Metal Doping for Sustainable Catalysis: Enhancing the Structural and Catalytic Properties of Graphene Oxide Integrated BSA-stabilized CdSe Nanoparticles
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- 59 Chamundeswari, ^a Potluri, Pandarinath^b Kandewar, Priti^c Palthiya, Lalitha^d Goriparthi, Radhika^e
CognitivePathway: A Framework for Early Alzheimer's Disease Detection Using Pattern Recognition and Neural Insights
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Adaptive Quantum Computing Algorithms for Real-Time Data Processing in High-Dimensional Systems
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