

Documents

- 1) Borah, J.^a, Baruah, S.^a, Sheikh, T.A.^b, Roy, S.^c

Miniaturization and Optimization of FR4 Based CPW-fed Antenna for Multiband Applications
(2021) *Radioelectronics and Communications Systems*, 64 (12), pp. 660-668.

^a Madanapalle Institute of Technology and Science, Madanapalle, India

^b Residential Girls' Polytechnic, Golaghat, India

^c National Institute of Technology, Arunachal Pradesh, India

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Publication Stage: Final

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- 2) Karunanidhy, D.^a, Ramalingam, R.^a, Dumka, A.^b, Singh, R.^c, Alsukayti, I.^d, Anand, D.^e, Hamam, H.^{f g}, Ibrahim, M.^h

An intelligent optimized route-discovery model for iot-based vanets
(2021) *Processes*, 9 (12), art. no. 2171, .

^a Department of Computer Science & Technology, Madanapalle Institute of Technology and Science, Madanapalle, 522403, India

^b Department of Computer Science and Engineering, Women's Institute of Technology, Dehradun, 248001, India

^c Department of Electronics & Electrical Engineering, Lovely Professional University, Phagwara, 144411, India

^d Department of Computer Science, College of Computer, Qassim University, Buraydah, 51452, Saudi Arabia

^e Department of Computer Science and Engineering, Lovely Professional University, Phagwara, 144411, India

^f Faculty of Engineering, Université de Moncton, Moncton, NB E1A3E9, Canada

^g School of Electric Engineering and Electronic Engineering, University of Johannesburg, P.O. Box 524, Auckland Park2006, South Africa

^h Department of Information Technology, University of Haripur, Haripur, 22620, Pakistan

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- 3) Phadatare, H.P.^{a b}, Pratiher, B.^a

Nonlinear dynamics and chaos of a multi-disk rotating shaft undergoing large deflection mounted on a moving support
(2021) *International Journal of Non-Linear Mechanics*, 137, art. no. 103819, .

^a Department of Mechanical Engineering, Indian Institute of Technology, Jodhpur, 342037, India

^b Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh 517325, India

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- 4) Babukarthik, R.G.^a, Dhasarathan, C.^b, Kumar, M.^c, Shankar, A.^d, Thakur, S.^d, Cheng, X.^e

A novel approach for multi-constraints knapsack problem using cluster particle swarm optimization
(2021) *Computers and Electrical Engineering*, 96, art. no. 107399, .

^a Dayananda Sagar Deemed University, Bangalore, Karnataka, India

^b Department of Computer Science and Engineering, Madanapalle Institute of Technology and Science, Madanapalle, India

^c School of Computer Science and Engineering, VIT, Chennai, TN, India

^d Department of Computer Science and Engineering, ASET, Amity University, Noida, Uttar Pradesh, India

^e Department of Computer Science, Middlesex University, London, UK, United Kingdom

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- 5) Sharanya, V.^a, Padmavati, B.S.^b, Raja Sekhar, G.P.^c

Transient Stokes flow past a spherical droplet with a stagnant cap due to contaminated surfactant layer
(2021) *Theoretical and Computational Fluid Dynamics*, 35 (6), pp. 783-806.

^a Department of Mathematics, Madanapalle Institute of Technology and Science, Angallu, Andhra Pradesh 517325, India

^b School of Mathematics and Statistics, University of Hyderabad, P.O. Central University, Hyderabad, Telangana 500046, India

^c Department of Mathematics, Indian Institute of Technology Kharagpur, Kharagpur, 721302, India

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- 6) Abdul Ghaffar, A.R.^a, Nadeem, M.R.^b, Hasan, M.G.^c

Cost-benefit analysis of shale development in India: A best-worst method based MCDM approach
(2021) *Journal of King Saud University - Science*, 33 (8), art. no. 101591, .

^a Department of Statistics & Operations Research, College of Science, King Saud University, Riyadh, 11451, Saudi Arabia

^b Department of West Asian and North African studies, Aligarh Muslim University, Aligarh, India

^c Department of Mathematics, Madanapalle Institute of Technology & Science, Madanapalle, India

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- 7) Muhiuddin, G.^a, Al-Kadi, D.^b, Mahboob, A.^c, Aljohani, A.^a

Generalized Fuzzy Ideals of BCI-Algebras Based on Interval Valued m-Polar Fuzzy Structures
(2021) *International Journal of Computational Intelligence Systems*, 14 (1), art. no. 169, .

^a Department of Mathematics, University of Tabuk, Tabuk, 71491, Saudi Arabia

^b Department of Mathematics and Statistics, College of Science, Taif University, P.O. Box 11099, Taif, 21944, Saudi Arabia

^c Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India

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- 8) Mehar, K.^a, Mishra, P.K.^b, Panda, S.K.^c

Thermal Post-Buckling Strength Prediction and Improvement of Shape Memory Alloy Bonded Carbon Nanotube-Reinforced Shallow Shell Panel: A Nonlinear Finite Element Micromechanical Approach
(2021) *Journal of Pressure Vessel Technology, Transactions of the ASME*, 143 (6), art. no. 061301, .

^a Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, 517325, India

^b Department of Mechanical Engineering, CAPGS, BPUT Rourkela, Rourkela, Odisha, 769015, India

^c Department of Mechanical Engineering, National Institute of Technology Rourkela, Rourkela, Odisha, 769008, India

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- 9) Narasimha Murthy, K.V.^a, Saravana, R.^a, Kishore Kumar, G.^b, Vijaya Kumar, K.^c

Modelling and forecasting for monthly surface air temperature patterns in India, 1951–2016: Structural time series approach
(2021) *Journal of Earth System Science*, 130 (1), art. no. 21, .

^a Department of Mathematics, Madanapalle Institute of Technology & Science, Madanapalle, 517 325, India

^b Department of Atmospheric and Space Sciences, Savitribai Phule Pune University, Pune, 411 007, India

^c Department of Statistics, S.G.S. Arts & Science College, Tirupati, 517 501, India

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Rajput, S.S.^a, Gangopadhyay, S.^a, Cavaleiro, A.^b, AL-Rjoub, A.^b, Kumar, C.S.^c, Fernandes, F.^b
Influence of Ag additions on the structure, mechanical properties and oxidation behaviour of CrAINAg coatings deposited by sputtering
(2021) *Surface and Coatings Technology*, 426, art. no. 127767, .

^a Department of Mechanical Engineering, Indian Institute of Technology Bhilai, Raipur, Chhattisgarh 492015, India

^b University of Coimbra, CEMMPRE - Centre for Mechanical Engineering Materials and Processes, Department of Mechanical Engineering, Rua Luís Reis Santos, Coimbra, 3030-788, Portugal

^c Madanapalle Institute of Technology and Science, Department of Mechanical Engineering, Angallu, Andhra Pradesh 517325, India

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11) Zade, N.P.^a, Bhosale, A.^b, Dhir, P.K.^c, Sarkar, P.^a, Davis, R.^d
Variability of Mechanical Properties of Cellular Lightweight Concrete Infill and Its Effect on Seismic Safety
(2021) *Natural Hazards Review*, 22 (4), art. no. 04021039, .

^a Dept. of Civil Engineering, National Institute of Technology Rourkela, Odisha, 769008, India

^b Dept. of Civil Engineering, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, 517325, India

^c Dept. of Civil and Environmental Engineering, Univ. of Strathclyde, Glasgow, G11XQ, United Kingdom

^d Dept. of Civil Engineering, National Institute of Technology Calicut, Kerala, Kozhikode, 673601, India

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12) Ahmad, N.^a, Hasan, M.G.^b, Barbhuiya, R.K.^c
Identification and prioritization of strategies to tackle COVID-19 outbreak: A group-BWM based MCDM approach
(2021) *Applied Soft Computing*, 111, art. no. 107642, .

^a Department of Computer Applications, Madanapalle Institute of Technology and Science, Madanapalle, India

^b Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, India

^c Central Institute of Educational Technology, NCERT, New Delhi, India

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13) Ustun, T.S.^a, Farooq, S.M.^b, Hussain, S.M.S.^{a c}
Initialization Vector for application of IEC 61850-90-5 security features on R-GOOSE and R-SV messages
(2021) *International Journal of Electrical Power and Energy Systems*, 132, art. no. 107189, .

^a Fukushima Renewable Energy Institute, AIST (FREA), National Institute of Advanced Industrial Science and Technology (AIST), Koriyama, 963-0215, Japan

^b Department of Computer Science and Engineering, Madanapalle Institute of Technology & Science, Madanapalle, India

^c Department of Computer Science, National University of Singapore (NUS), Singapore

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14) Dash, L.^a, Padhan, S.^a, Das, A.^b, Das, S.R.^a
Machinability investigation and sustainability assessment in hard turning of AISI D3 steel with coated carbide tool under nanofluid minimum quantity lubrication-cooling condition
(2021) *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, 235 (22), pp. 6496-6528.

^a Department of Production Engineering, Veer Surendra Sai University of Technology, Burla, India

^b Department of Mechanical Engineering, Madanapalle Institute of Technology Science, Madanapalle, India

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15) Mahboob, A.^a, Muhiuddin, G.^b

A new type of fuzzy prime subset in ordered semigroups

(2021) *New Mathematics and Natural Computation*, 17 (3), pp. 739-752.

^a Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India

^b Department of Mathematics, University of Tabuk, Tabuk, 71491, Saudi Arabia

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16) Mahboob, A.^a, Khan, N.M.^b

Pure Γ -ideals in Γ -semigroups

(2021) *Afrika Matematika*, 32 (7-8), pp. 1201-1210.

^a Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India

^b Department of Mathematics, Aligarh Muslim University, Aligarh, 202002, India

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17) Chakraborty, D.^a, Bej, S.^{b c}, Sahoo, S.^d, Chongdar, S.^a, Ghosh, A.^a, Banerjee, P.^{b c}, Bhaumik, A.^a

Novel Nanoporous Ti-Phosphonate Metal-Organic Framework for Selective Sensing of 2,4,6-Trinitrophenol and a Promising Electrode in an Energy Storage Device

(2021) *ACS Sustainable Chemistry and Engineering*, 9 (42), pp. 14224-14237.

^a School of Materials Sciences, Indian Association for the Cultivation of Science, 2A and 2B Raja S. C. Mullick Road, Jadavpur, Kolkata, 700032, India

^b Surface Engineering and Tribology Group, CSIR-Central Mechanical Engineering Research Institute, Mahatma Gandhi Avenue, Durgapur, 713209, India

^c Academy of Scientific and Innovative Research (AcSIR), AcSIR Headquarters CSIR-HRDC Campus, Postal Staff College Area, Sector 19, Kamla Nehru Nagar, Uttar Pradesh, Ghaziabad, 201002, India

^d Department of Chemistry, Madanapalle Institute of Technology and Science, Andhra Pradesh 517325, India

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18) Shaikh, B.^a, Gowd, G.H.^b, Prasad, B.D.^c, Ali, P.S.^a

Parametric optimization by using friction stir processing

(2021) *AIP Conference Proceedings*, 2395, art. no. 030010, .

^a Ramachandra College of Engineering, Andhra Pradesh Eluru, Valium, 534007, India

^b Madanapalle Institute of Technology and Sciences, India

^c Jawaharlal Nehru Technological University, Anantapuramu, India

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19) De, S.^a, Acharya, S.^a, Sahoo, S.^b, Nayak, G.C.^a

Current trends in MXene research: Properties and applications

(2021) *Materials Chemistry Frontiers*, 5 (19), pp. 7134-7169.

^a Department of Chemistry, Indian Institute of Technology (ISM), Jharkhand, Dhanbad, 826004, India

^b Department of Chemistry, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, 517325, India

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20) Singh, J.^a, Dhasarathan, C.^b

A QoS Metric Approach for Web Service Pertinence for the Cloud

(2021) *Recent Advances in Computer Science and Communications*, 14 (7), pp. 2130-2142.

^a Department of Computer Science & Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad, India

^b Department of Computer Science & Engineering, Madanapalle Institute of Technology & Science, AP, Madanapalle, India

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- 21) Mahboob, A.^a, Davvaz, B.^b, Khan, N.M.^c
Ordered Γ -semigroups and fuzzy Γ -ideals
(2021) *Iranian Journal of Mathematical Sciences and Informatics*, 16 (2), pp. 129-146.

^a Department of Mathematics, Madanapalle Institute of Technology & Science, Madanapalle-, 517325, India

^b Department of Mathematics, Yazd University, Yazd, Iran

^c Department of Mathematics, Aligarh Muslim University, Aligarh-, 202002, India

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- 22) Goli, M.^a, Vemuri, V.V.^b
Users' in-game purchase intention: The effects of flow experience and satisfaction
(2021) *Journal of Electronic Commerce in Organizations*, 19 (4), pp. 1-19.

^a Madanapalle Institute of Technology and Science, India

^b Anurag University, India

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- 23) Mishra, B.P.^{a b}, Barik, M.^a
Free flexural vibration of thin stiffened plates using NURBS-Augmented finite element method
(2021) *Structures*, 33, pp. 1620-1632.

^a Department of Civil Engineering, National Institute of Technology, Rourkela, Odisha 769008, India

^b Department of Civil Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh 517326, India

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- 24) Deshamukhya, T.^a, Bhanja, D.^b, Nath, S.^b
A metaheuristic analysis of heat transfer rates through porous fins of tapered and step profiles: a comparative study
(2021) *Neural Computing and Applications*, 33 (19), pp. 12605-12619.

^a Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh 517325, India

^b Department of Mechanical Engineering, National Institute of Technology Silchar, Assam, 788 010, India

Document Type: Article
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- 25) Dhasarathan, C.^a, Kumar, M.^b, Srivastava, A.K.^c, Al-Turjman, F.^d, Shankar, A.^e, Kumar, M.^f
A bio-inspired privacy-preserving framework for healthcare systems
(2021) *Journal of Supercomputing*, 77 (10), pp. 11099-11134.

^a Department of Computer Science & Engineering, Madanapalle Institute of Technology & Science, Madanapalle, India

^b School of Computer Science and Engineering, Vellore Institute of Technology, Chennai, India

^c Department of IT and Engineering, Amity University, Tashkent, India

^d Department of Artificial Intelligence Engineering, Research Center for AI and IoT, Near East University, Nicosia, Mersin 10, Turkey

^e Department of Computer Science and Engineering, Amity University, Uttar Pradesh, Noida, India

^f Department of Computer Science and Engineering, UPES, Dehradun, India

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- 26) Madhavi, K.^a, Prasad, V.R.^b, Gaffar, S.A.^c
Darcy flow of polymer from an inclined plane with convective heat transfer analysis: a numerical study
(2021) *Journal of Thermal Analysis and Calorimetry*, 146 (1), pp. 117-129.

^a Department of Mathematics, MITS, Madanapalle, 517325, India

^b Department of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Vellore, 632014, India

^c Department of Information Technology, Mathematics Section, Salalah College of Technology, Salalah, Oman

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- 27) Denslin Brabin, D.R.^a, Bojjagani, S.^b, Braja, D.R.D.^c
A Visible Watermarking Scheme for JPEG Images Based on Modification of Frequency Coefficients
(2021) *Automatic Control and Computer Sciences*, 55 (5), pp. 444-453.

^a Department of Computer Science and Engineering, Madanapalle Institute of Technology and Science, Andhra Pradesh, India

^b Department of Computer Science and Engineering, SRM University, Amaravati, Andhra Pradesh, India

^c Department of Information Technology, Noorul Islam Centre For Higher Education, Tamil Nadu, India

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- 28) Dawn, R.^a, Zzaman, M.^{a b}, Bharadwaj, R.R.^a, Kiran, C.^c, Shahid, R.^b, Verma, V.K.^d, Sahoo, S.K.^e, Amemiya, K.^f, Singh, V.R.^a
Direct evidence to control the magnetization in Fe₃O₄ thin films by N₂ ion implantation: a soft X-ray magnetic circular dichroism study
(2021) *Journal of Sol-Gel Science and Technology*, 99 (3), pp. 461-468.

^a Department of Physics, Central University of South Bihar, Gaya, India

^b Department of Physics, Jamia Millia Islamia (Central University), New Delhi, India

^c Department of Animal Sciences, Central University of Kashmir, Ganderbal, India

^d Department of Physics, Madanapalle Institute of Technology & Science, Madanapalle, India

^e Department of Metallurgical and Materials Engineering, National Institute of Technology, Rourkela, India

^f Photon Factory, IMSS, High Energy Accelerator Research Organization, Tsukuba, Ibaraki, Japan

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- 29) Ramkumar, K.^a, Ananthi, N.^b, Brabin, D.R.D.^c, Goswami, P.^d, Baskar, M.^e, Bhatia, K.K.^f, Kumar, H.^g
Efficient routing mechanism for neighbour selection using fuzzy logic in wireless sensor network
(2021) *Computers and Electrical Engineering*, 94, art. no. 107365, .

^a Professor, Department of Computer Science and Engineering, SRM University, Sonepat, Haryana, India

^b Department of Information Technology, Easwari Engineering College, Chennai, India

^c Associate Professor, Department of Computer Science and Engineering, Madanapalle Institute of Technology & Science Andhra Pradesh, India

^d Professor, SRM University, Sonepat, Haryana, India

^e Department of Computer Science and Engineering, School of Computing, College of Engineering and Technology, SRM Institute of Science and Technology, Kattankulathur, Kanchipuram, Tamilnadu 603 203, India

^f Professor, Department of Computer Engineering, J.C Bose University of Science & Technology, YMCA, Faridabad, Haryana, India

^g Assistant Professor, Department of Computer Engineering, J.C Bose University of Science & Technology, YMCA, Faridabad, Haryana, India

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Kumar, M.^a, Verma, V.K.^b, Singh, V.R.^a

Magnetic anisotropic of thermally evaporated FeNi thin film: A soft X-ray magnetic circular dichroism study
(2021) *Surface and Interface Analysis*, 53 (9), pp. 808-813.

^a Department of Physics, Central University of South Bihar, Gaya, Bihar, India

^b Department of Physics, Madanapalle Institute of Technology & Science, Madanapalle, Chittoor, India

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31) Singh, M.M.^a, Kumar, H.^b, Sivaiah, P.^a

Evaluation of Mechanical Properties of Glass Fiber-BMPM/DABA-PMC Composite

(2021) *Transactions of the Indian Institute of Metals*, 74 (9), pp. 2185-2192.

^a Madanapalle Institute of Technology & Science, Madanapalle, India

^b Department of Petroleum and Earth Sciences, University of Petroleum and Energy Studies, Bidholi, Via Prem Nagar, Dehradun, Uttarakhand 248007, India

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32) Sheikh, T.A.^a, Bora, J.^b, Hussain, M.A.^b

Sum-Rate Improvement in Massive MIMO System with User Grouping and Selection, and Antenna Scheduling Scheme

(2021) *Wireless Personal Communications*, 120 (2), pp. 1043-1056.

^a Department of Electronics and Communication Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India

^b Department of Electronics and Communication Engineering, North Eastern Regional Institute of Science and Technology, Arunachal Pradesh, Nirjuli, 791109, India

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33) Tharehalli mata, G.^a, Mokenapalli, V.^b, Krishna, H.^c

Performance analysis of MR damper based semi-active suspension system using optimally tuned controllers

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^a Department of Mechanical Engineering, Presidency University, Rajanukunte, Yalahanka, Bengaluru, India

^b Department of Electrical and Electronics Engineering, Madanapalle Institute of Technology and Science, Andhra Pradesh, India

^c School of Mechanical Engineering, REVA University, Yelahanka, Bengaluru, India

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34) Nasar, S.^a, Baruch, L.J.^b, Vijay, S.J.^c, Srinivas, C.K.^a, Jose, J.^c, Popov, V.V.^d

Erratum to: Comparative Study on H2O Steel Billets: Additive Manufacturing vs. Powder Metallurgy (Physics of Metals and Metallography, (2021), 122, 5, (515-526), 10.1134/S0031918X21050100)

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^a Madanapalle Institute of Technology and Science, Andhra Pradesh, India

^b MVJ College of Engineering, Bengaluru, Karnataka, India

^c Karunya Institute of Technology and Sciences, Coimbatore, Tamil Nadu, India

^d Israel Institute of Metals, Technion's R&D Foundation, Haifa, 3200003, Israel

Document Type: Erratum

Publication Stage: Final

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A Study on Annealing Process Influenced Electrical Properties of Ni/CeO₂/p-Si/Al Schottky Barrier Diodes
(2021) *Macromolecular Symposia*, 398 (1), art. no. 2000228, .

^a Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India

^b Department of Physics, Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal, Andhra Pradesh 518501, India

^c Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh 517325, India

^d Department of Chemistry, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India

^e Department of Physics, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati, Andhra Pradesh 517502, India

^f Department of Electronics and communication Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India

^g Department of Civil Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India

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- 36) Rajakumar, R.^a, Sekaran, K.^b, Hsu, C.-H.^{c d e}, Kadry, S.^f
Accelerated grey wolf optimization for global optimization problems
(2021) *Technological Forecasting and Social Change*, 169, art. no. 120824, .

^a Department of CST, Madanapalle Institute of Technology and Science, India

^b School of Computer Science & Engineering, Jain University, Bengaluru, India

^c School of Mathematics and Big Data, Foshan University, Foshan, 528000, China

^d Department of Computer Science and Information Engineering, Asia University, Taichung, Taiwan

^e Department of Medical Research, China Medical University Hospital, China Medical University, Taichung, Taiwan

^f Noroff University College, Kristiansand, Norway

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- 37) Kumar, R.^a, Sahoo, S.^b, Tan, W.K.^c, Kawamura, G.^d, Matsuda, A.^d, Kar, K.K.^{a e}
Microwave-assisted thin reduced graphene oxide-cobalt oxide nanoparticles as hybrids for electrode materials in supercapacitor
(2021) *Journal of Energy Storage*, 40, art. no. 102724, .

^a Advanced Nanoengineering Materials Laboratory, Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur, 208016, India

^b Department of Chemistry, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India

^c Institute of Liberal Arts and Sciences, Toyohashi University of Technology, 1-1 Hibarigaoka, Tempaku-cho, Toyohashi, Aichi 441-8580, Japan

^d Department of Electrical and Electronic Information Engineering, Toyohashi University of Technology, 1-1 Hibarigaoka, Tempaku-cho, Toyohashi, Aichi 441-8580, Japan

^e Advanced Nanoengineering Materials Laboratory, Materials Science Programme, Indian Institute of Technology Kanpur, Kanpur, 208016, India

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Influence of Optimization Techniques on Wire Electrical Discharge Machining of Ti-6Al-2Sn-4Zr-2Mo Alloy using Modeling Approach
(2021) *Journal of Inorganic and Organometallic Polymers and Materials*, 31 (8), pp. 3272-3289.

^a Department of Mechanical Engineering, Faculty in Sethu Institute of Technology, Kariyapatti, Tamilnadu 626115, India

^b Department of Mechanical Engineering, Faculty in MepcoSchlenk Engineering College, Sivakasi, Tamilnadu 626005, India

^c Department of Mechanical Engineering, Faculty in Kalasalingam Academy of Research and Education, KrishnanKoil, Tamilnadu, India

^d Department of Mechanical Engineering, Faculty in Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India

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- 39) Al Kaisy, G.M.J.^a, Mutalib, M.I.A.^a, Rao, T.V.V.L.N.^b, Senatore, A.^c
Tribological performance of low viscosity halogen-free ammonium based protic ionic liquids with carboxylate anions as neat lubricants
(2021) *Tribology International*, 160, art. no. 107058, .

^a Department of Chemical Engineering, Universiti Teknologi PETRONAS, Seri Iskandar, 32160, Malaysia

^b Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, 517325, India

^c Department of Industrial Engineering, University of Salerno, Fisciano – Salerno, 84084, Italy

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^b School of Physics and Materials Science, Shoolini University, Himachal Pradesh, Solan, 173229, India

^c Department of Chemistry, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, 517325, India

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^b Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, Angallu, 517325, India

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^b School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore

^c Solar Energy Research Cell, Department of Energy and Power Electronics, School of Electrical Engineering, Vellore Institute of Technology, Vellore, India

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^b Department of Computer Science and Technology, School of Computers, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India

^c School of Computing, SASTRA Deemed University, Thanjavur, Tamilnadu, India

^d Department of CSE, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada, India

^e Department of Computer Science Engineering, VIT Bhopal University, Kothri Kalan, Sehore, Madhya Pradesh, India

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^b Department of Mechanical Engineering, Faculty of Engineering and Technology, Jain University, Bengaluru, 562112, India

^c Department of Mechanical and Aerospace Engineering, Institute of Infrastructure, Technology, Research and Management (IITRAM), Ahmedabad, Gujarat 380026, India

^d Department of Mechanical Engineering, C.K. College of Engineering and Technology, Cuddalore, Tamilnadu 607003, India

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- ^b CONACYT–Universidad Juárez Autónoma de Tabasco, Centro de Investigación de Ciencia y Tecnología Aplicada de Tabasco (CICAT), Cunduacán, C.P. 86690, Mexico
- ^c Department of Physics, Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal, Andhra Pradesh 518 501, India
- ^d Instituto de Ciencias Físicas, Universidad Nacional Autónoma de Mexico, Cuernavaca, Morelos, C.P 62210, Mexico
- ^e Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Chittoor, 517325, India
- ^f Department of Electronic Science, Kurukshetra University, Kurukshetra, 136119, India
- ^g IISER Berhampur, Berhampur, Odisha 760 010, India
- ^h Department of Electronics and Communication Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517 325, India
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- ^b Department of Electrical and Electronic Information Engineering, Toyohashi University of Technology, 1-1 Hibarigaoka, Tempaku-cho, Toyohashi, Aichi 441-8580, Japan
- ^c Department of Chemistry, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India
- ^d Centre for Information Technology Renato Archer (CTI), Campinas, 13069-901, Brazil
- ^e School of Physical and Material Sciences, Central University of Himachal Pradesh (CUHP), Kangra, Dharamshala, HP 176215, India
- ^f Institute of Liberal Arts and Sciences, Toyohashi University of Technology, 1-1 Hibarigaoka, Tempaku-cho, Toyohashi, Aichi 441-8580, Japan
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- ^b School of Computers, Madanapalle Institute of Technology and Science, Madanapalle, India
- ^c School of Computing, SASTRA Deemed University, Thanjavur, India
- ^d Department of Computer Science and Engineering, Dr N. G. P. Institute of Technology, Coimbatore, India
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^b Department of Physics, Central University of Kashmir, Ganderbal, Jammu and Kashmir 191201, India

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^b Department of Mechanical Engineering, CAPGS, BPUT Rourkela, Odisha, India

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^b Department of Mathematics, University of Central Florida, Orlando, FL 32816, United States

^c Department of Mathematics, VSK University, Vinayaka Nagar, Karnataka, Ballari, 583 105, India

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^b Condensed Matter Physics Division, Indira Gandhi Center for Atomic Research, HBNI, Kalpakkam, 603102, India

^c Surface and Nanoscience Division, Indira Gandhi Center for Atomic Research, HBNI, Kalpakkam, 603102, India

^d Department of Physics, Basic Science and Humanities, Madanapalle Institute of Technology & Science, Madanapalli, Chittoor, Andhra Pradesh 517325, India

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^b Department of Information Technology, Mathematics Section, University of Technology & Applied Sciences, Salalah, Oman

^c Department of Mathematics, Aditya College of Engineering, Madanapalle, India

^d Department of Mathematics, Sreenivasa Institute of Technology and Management Studies, Chittoor, Andhra Pradesh, India

^e Magnetohydrodynamics, Biological Propulsion and Energy Research, Aeronautical and Mechanical Engineering Division, University of Salford, Salford, United Kingdom

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^b Department of Mining Engineering, NIT Rourkela, Rourkela, Odisha 769008, India

^c Department of Chemical Engineering, NIT Rourkela, Rourkela, Odisha 769008, India

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^b Department of Physics, Jamia Millia Islamia (Central University), New Delhi, 110025, India

^c Department of Physics, Madanapalle Institute of Technology & Science, Madanapalle, Chittoor, AP 517325, India

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^b Department of Chemistry, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India

^c BIN Convergence Technology, Chonbuk National University, Jeonju, South Korea

^d Department of Mechatronics Engineering, Kongu Polytechnic College, Erode, Tamilnadu, India

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^b National Institute of Technology Rourkela, Rourkela, India

^c Madanapalle Institute of Technology and Science, Madanapalle, India

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^b Department of Mechanical Engineering, Faculty of Engineering and Technology, Jain (Deemed-to-be University), Ramanagara district, Bengaluru, 562112, India

^c Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai, India

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^b Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, 517325, India

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^b Department of Management Studies, Madanapalle Institute of Technology & Science, India
^c Urban Institute & Department of Civil Engineering, Kyushu University, Japan
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^b Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, 517325, India
^c Department of Mechanical Engineering, Er. Perumal Manimekalai College of Engineering, Hosur, India
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^c Vel Tech Rangarajan Dr Sagunthala RD Institute of Science and Technology, Chennai, India
^d Department of Computer Science and Engineering, Women Institute of Technology, Dehradun, India
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^b Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, 517 325, India

^c Future Materials & Devices Lab., Institute of Fundamental and Applied Sciences, Duy Tan University, Ho Chi Minh City, 700000, Viet Nam

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^b Interdisciplinary Nanotechnology Centre, Aligarh Muslim University, Aligarh, 202002, India

^c Madanapalle Institute of Technology & Science, Madanapalle, 517325, India

^d TERI-Deakin Nanobiotechnology Centre, TERI Gram, The Energy and Resources Institute, Gurgaon, Haryana, India

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^b Department of Computer Science and Engineering, Dr.N.G.P. Institute of Technology, Coimbatore, Tamil Nadu, India

^c Department of Computer Science and Engineering, Koneru Lakshmaiah Education Foundation, Greenfields, Vaddeswaram, Guntur, Andhra Pradesh, India

^d Department of Electronics and Communication Engineering, M.E.A Engineering College, Vengoor, Pattikkad PO, Kerala, Malappuram, India

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^b Department for Management of Science and Technology Development, Ton Duc Thang University, Ho Chi Minh City, Viet Nam

^c Faculty of Applied Sciences, Ton Duc Thang University, Ho Chi Minh City, Viet Nam

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^b Department of Computer Applications, Madanapalle Institute of Technology and Science, Madanapalle, India

^c Department of Computer Science, Aligarh Muslim University, Aligarh, India

^d Research Chair of Artificial Intelligence (RCAI), Department of Information Systems, College of Computer and Information Sciences, King Saud University, Riyadh, Saudi Arabia

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^b Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, 517325, India

^c Department of Mechanical Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, 600042, India

^d Department of Mechanical Engineering, Er. Perumal Manimekalai College of Engineering, Hosur, 635117, India

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^b Department of Computer Science and Engineering, Vignans Foundation for Science, Technology and Research, Guntur, AP, India

^c ASET-CSE, Amity University, Noida, India

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^b Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Andhra Pradesh, 517325, India

^c School of Mechanical Engineering, KIIT, Bhubaneswar, Odisha, 751024, India

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^b Department of Mathematics, Alipurduar University, West Bengal, Alipurduar, 736121, India
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^b Department of Mechanical Engg, MITS, Andhra Pradesh, Madanapalle, 517325, India
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^b Advanced Materials Group, Department of Control Engineering, Czech Technical University in Prague, Technická 2, Prague 6, 16000, Czech Republic
^c Department of Mechanical Engineering, G. H. Rasoni College of Engineering of Management, Maharashtra, Pune, 412207, India
^d Department of Mechanical Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kurnool, 518007, India
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^b Veltech Rangarajan Dr Sagunthala RandD Institute of Science and Technology, Department of Computer Science and Engineering, Chennai, India
^c Sri Krishna College of Engineering and Technology, Department of Electrical and Electronics, Coimbatore, India

^d Karpagam Academy of Higher Education, Department of Electrical and Electronics, Coimbatore, India

^e Velammal College of Engineering and Technology, Department of Electrical and Electronics Engineering, Madurai, India

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^b Department of Mechanical Engineering, National Institute of Technology, Rourkela, 769008, India

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^b University of Nizwa, College of Economics Management and Information Systems, Birkat Al Mouz, Oman

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^b Department of Mathematics, Madanapalle Institute of Technology Science, Madanapalle, India

^c Department of Mathematics, Aligarh Muslim University, Aligarh, India

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^b Centre for Applied Mathematics and Computing, ITER, Bhubaneswar, India

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^b School of Advanced Materials, Green Energy and Sensor Systems, Indian Institute of Engineering Science and Technology, Shibpur, India

^c Department of Mechanical Engineering, Madanapalle Institute of Technology Science, Madanapalle, India

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^b Madanapalle Institute of Technology & Science, A.P., Madanapalle, India

^c Maulana Azad National Institute of Technology, M.P., Bhopal, India

^d Government Engineering College Bikaner, Rajasthan, Bikaner, 334004, India

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^c Center for Information Technology Renato Archer (CTI), Campinas, 13069-901, Brazil

^d School of Physical and Material Sciences, Central University of Himachal Pradesh (CUHP), Kangra, Himachal Pradesh, Dharamshala, 176215, India

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^b Department of Computer Science, College of Computers and Information Technology, Taif University, Taif, 21944, Saudi Arabia

^c Department of Computer Applications, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, 517325, India

^d College of Information Technology, United Arab Emirates University, Al Ain, United Arab Emirates

^e LRBTM Research Laboratory of Biophysics and Medical Technology, High Institute of Medical Technology in Tunisia (ISTMT), Université Tunis El Manar, Tunis, 1006, Tunisia

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^c School of Mechanical Engineering, KIIT (Deemed to be University), Bhubaneswar, Odisha 751024, India

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^b Department of Hydraulic Engineering, Arba Minch Water Technology Institute, Arba Minch, Ethiopia

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^b Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, P.O. Box 14, Kadiri Road Angallu (V), Chittoor District, Andhra Pradesh, Madanapalle, 517325, India

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^b Department of Mathematics and Statistic, College of Science, Taif University, P.O. Box 11099, Taif, 21944, Saudi Arabia

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^b Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, 517 325, India

^c Ho Chi Minh City University of Technology and Education, 01 Vo Van Ngan, Thu Duc District, Ho Chi Minh City, 700000, Viet Nam

^d Future Materials and Devices Lab., Institute of Fundamental and Applied Sciences, Duy Tan University, Ho Chi Minh City, 700000, Viet Nam

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^b Department of Computer Science & Engineering, Maharashtra Institute of Technology, Aurangabad, India
^c Department of Mechanical Engineering, Madanapalle Institute of Technology & ScienceAP, India
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^b Department of Mathematics and Statistic, College of Science, Taif University, P. O. Box 11099, Taif, 21944, Saudi Arabia
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^b Department of Applied Science, ACET, Amritsar, Punjab, India

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^b Department of Computer Science & Technology, School of Computers, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India

^c Department of Computer Science and Engineering, Dr. N. G. P. Institute of Technology, Coimbatore, Tamil Nadu, India

^d Department of Computer Science & Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Andhra Pradesh, India

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^b Department of CSE, VEMU Institute of Technology, Pakala, Chittoor, Andhra Pradesh, 517112, India

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^b Department of Mechanical Engineering, Adithya College of Engineering, E.G. Dist., Surampalem, A.P 533437, India

^c Department of Mechanical Engineering, Sri Sithiswarar Engineering College, Vellore, Tamil Nadu, India

^d Department of Mechanical Engineering, Madanapalle Institute of Science & Technology, Chittoor, Andhra Pradesh, India

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^a Department of Automobile Engineering, SRM Institute of Science and Technology, Kattankulathur, Chennai, 603203, India
^b Department of Mechanical Engineering, PACE Institute of Technology and Sciences, Ongole, 523272, India
^c Department of Mechanical Engineering, Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, India
^d Department of Mechanical Engineering, Rajalakshmi Institute of Technology, Kuthambakkam, Chennai, 600124, India
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^b Dalian University of Science and Technology, Dalian, China
^c Department of Applied Technology, Shenzhen Yuejiang Technology Co., Ltd., Shenzhen, China
^d Department of Physical Education, Tianjin Polytechnic University, Tianjin, China
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^b Department of Computer Science and Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Chittoor District, Andhra Pradesh, India

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^b Assistant Professor, Department of Civil Engineering, Vardhaman College of Engineering, Shamshabad, Hyderabad, Telangana, 501218, India

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^b Department of Computer Science and Engineering, SRM Institute of Science and Technology, Kattankulathur, Chengalpattu, Tamil Nadu, India

^c Department of CSE, Vemu Institute of Technology, Chittoor, Andhrapradesh, India

^d Department of Computer Applications, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh, 517 325, India

^e Department of Electronics and Communication Engineering, Indra Ganesan College of Engineering, Manikandam, Tamil Nadu, India

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^b Department of Electronics and Communication Engineering, Madanapalle Institute of Technology and Science, Madanapalle, India

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^a School of Computing, SASTRA Deemed University, Thanjavur, Tamilnadu, India

^b Department of CSE, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada, India

^c Department of Information Technology, Sri Manakula Vinayagar Engineering College, Puducherry, India

^d School of Computer Science and Engineering, Vellore Institute of Technology, Bhopal, Madhya Pradesh, India

^e Department of Computer Science and Technology, School of Computers, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India

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^b Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Madanapalle, India

^c School of Mechanical Engineering, KIIT Deemed to be University, Bhubaneswar, Odisha, India

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^b Electrical Engineering Department, College of Engineering, Jouf University (JU), Saudi Arabia

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^b Department of Electrical Engineering, Indian Institute of Technology Delhi, New Delhi, India

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^b Department of Computer Science and Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, AP, India

^c School of Computing, SASTRA Deemed University, Thanjavur, Tamilnadu, India

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^b Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India

^c Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh 517325, India

^d Department of Chemistry, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India

^e Department of Physics, Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal, Andhra Pradesh 518501, India

^f Department of Electronic Science, Kurukshetra University, Kurukshetra, 136119, India

^g Department of Physics, Sri Krishnadevaraya University, Anantapur, Andhra Pradesh, India

^h School of Chemical Engineering, Yeungnam University, Gyeongsan, 38541, South Korea

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^b Department of Physics, JNT University, Anantapuramu515002, India
^c Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, 517 325, India
^d Laser Applications Research Group, Ton Duc Thang University, Ho Chi Minh City, Viet Nam
^e Faculty of Applied Sciences, Ton Duc Thang University, Ho Chi Minh City, Viet Nam
^f Department of Physics, JNTUACE, Kalikiri517234, India
^g Department of Physics, SVCR Government Degree College, Palamaner517408, India
^h Department of Physics, Yogi Vemana University, Kadapa, 516 005, India
ⁱ Department of Physics, Krishna University Dr. MRAR PG Centre, Nuzvid, 521 201, India
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^a Department of Physics, School of Engineering, Presidency University, Yelahanka, Bangalore, Karnataka 560064, India

^b Department of Physics, School of Sciences, Jain Deemed to be University, Bangalore, Karnataka 560011, India

^c Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, AP 517325, India

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^b Mechanical Engineering Department, National Institute of Technology Rourkela, Rourkela, Odisha, India

^c Department Of Biotechnology, SOA University, Bhubaneswar, Odisha, India

^d Department of Mechanical Engineering, National Institute of Technology Srinagar, Hazratbal, Kashmir, India

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^a Department of Electronics and Communication Engineering, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India

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^b Department of Mechanical Engineering, Madanapalle Institute of Technology Science, Madanapalle, India

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^b NBKR Institute of Science & Technology (Autonomous), Vidyannagar, Nellore, 524413, India

^c Institute of Aeronautical Engineering (Autonomous), Dundigal, Hyderabad, 500043, India

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^a Department of CSE, Madanapalle Institute of Technology Science, Madanapalle, AP, India

^b Department of CSE, S V College of Engineering, Tirupati, AP, India

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^b Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh 517325, India

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^b Department of Mechanical Engineering, Centre for Advanced Postgraduate Studies, BPUT, Rourkela, Odisha, India

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^b Department of Chemistry, Madanapalle Institute of Technology and Science, Madanapalle, A.P 517325, India

^c Department of Physics, Sri Padmavati Mahila Viswavidyalayam, Tirupati, A.P 517 501, India

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^a Department of Mathematics, Madanapalle Institute of Technology & Science, Angallu, India

- ^b Mechanical Engineering Department, Faculty of Engineering, Shahid Chamran University of Ahvaz, Ahvaz, Iran
^c Department of Mechanical Engineering, Faculty of Engineering, Imam Khomeini International University, Qazvin, Iran
^d Kotelnikov Institute of Radio Engineering and Electronics of Russian Academy of Science, Moscow, Russian Federation

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- ^a Department of Biotechnology, Kamaraj College of Engineering and Technology, Madurai, India
^b Department of Mechatronics Engineering, Kamaraj College of Engineering and Technology, Madurai, India
^c Department of Botany and Microbiology, King Saud University, Riyadh, Saudi Arabia
^d Department of Mechanical Engineering, Madanapalle Institute of Technology Science, Madanapalle, India
^e Department of Mechanical Engineering, Dr. Mahalingam College of Engineering and Technology, Pollachi, India
^f Department of Chemistry, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, India
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- ^a Department of Applied Mathematics, Indian Institute of Technology (Indian School of Mines), Dhanbad, India
^b Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, India
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Idrbt, Hyderabad, Telangana, India;
University of Hyderabad, Hyderabad, Telangana, India;
University of Melbourne, Melbourne, Parkville, VIC, Australia
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