Documents

1) Zzaman, M.^{a b}, Franklin, J.B.^c, Kumar, A.^a, Dawn, R.^a, Verma, V.K.^{d e}, Shahid, R.^b, Gupta, M.K.^f, Amemiya, K.^g, Miura, Y.^{h i}, Meena, R.^j, Kandasami, A.^{j k}, Singh, V.R.^a

Effect of Cr-substitution on vanadium dioxide thin films studied by soft X-ray magnetic circular dichroism (2022) *Journal of Alloys and Compounds*, 918, art. no. 165515, .

Document Type: Article **Publication Stage:** Final

Source: Scopus

2) Verma, V.K.^{a b c}, Sakamoto, S.^{a d}, Ishikawa, K.^e, Singh, V.R.^{a f}, Ishigami, K.^{a g}, Shibata, G.^{a h}, Kadono, T.^a, Koide, T.ⁱ, Kuroda, S.^e, Fujimori, A.^{a j}

Cr doping-induced ferromagnetism in the spin-glass Cd1-xMnxTe studied by x-ray magnetic circular dichroism (2022) *Physica B: Condensed Matter*, 642, art. no. 414129,

Document Type: Article **Publication Stage:** Final

Source: Scopus

- 3) Saha, D.^a, Gurung, J.^b, Roy, B.^a, Pulikkal, A.K.^b, Bhowmik, A.^c, Pattanayak, S.^{a d}
 Optimizing pyrolysis process parameters of plastic grocery bag, with mass–energy assessment and characterization of oil at optimal condition
 (2022) Clean Technologies and Environmental Policy, 24 (6), pp. 1927-1944.
 - ^a Department of Mechanical Engineering, National Institute of Technology Mizoram, Aizawl, 796012, India

Document Type: Article

^a Department of Physics, Central University of South Bihar, Gaya, 824236, India

^b Department of Physics, Jamia Millia Islamia (Central University), New Delhi110025, India

^c Department of Energy Storage and Distribution Resources, Lawrence Berkeley National Laboratory, Berkeley, CA 94720, United States

^d Department of Physics, Madanapalle Institute of Technology & Science, Angallu, Madanapalle, 517325, India

^e Department of Physics, VIT-AP University, Andhra Pradesh, Amaravati, 522237, India

f UGC-DAE Consortium for Scientific Research - Indore, University Campus, Khandwa Road, Indore, 452017, India

^g Photon Factory, IMSS, High Energy Accelerator Research Organization, Ibaraki, Tsukuba, 305–0801, Japan

^h Research Center for Magnetic and Spintronic Materials, National Institute for Materials Science (NIMS), 1–2-1, Sengen, Tsukuba, 305–0047, Japan

ⁱ Center for Spintronics Research Network, Osaka University, Toyonaka, 560–8531, Japan

^j Materials Science Division, Inter-University Accelerator Centre, Aruna Asaf Ali MargNew Delhi 110067, India

k Department of Physics & Centre for Interdisciplinary Research, University of Petroleum and Energy Studies (UPES) Dehradun, Uttarakhand248007, India

^a Department of Physics, University of Tokyo, Bunkyo-ku, Tokyo, 113-0033, Japan

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

^c Department of Physics, VIT-AP University, Beside AP Secretariat, Near Vijayawada, Amaravati, A.P. 522237, India

^d Institute for Solid State Physics, University of Tokyo, Kashiwa, Chiba, 277-8581, Japan

^e Institute of Materials Science, University of Tsukuba, Tsukuba, Ibaraki, 305-8573, Japan

f Department of Physics, Central University of South Bihar, Bihar, Gaya, 824236, India

^g Japan Synchrotron Radiation Research Institute, Sayo679-5198, Japan

^h Materials Sciences Research Center, Japan Atomic Energy Agency, Sayo, 679-5148, Japan

ⁱ Photon Factory, IMSS, High Energy Accelerator Research Organization, Tsukuba, Ibaraki, 305-0801, Japan

^j Department of Physics, National Tsing Hua University, Hsinchu, 30013, Taiwan

^b Department of Chemistry, National Institute of Technology Mizoram, Aizawl, 796012, India

^c Department of Mechanical Engineering, National Institute of Technology Agartala, Agartala, 799046, India

^d Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India

Publication Stage: Final

Source: Scopus

4) Anandkumar, R.a, Kalpana, R.b

A Fibonacci p-code traversing and unified chaotic map-based image encryption algorithm (2022) *Journal of Ambient Intelligence and Humanized Computing*, 13 (8), pp. 3713-3727.

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

^b Department of Computer Science & Engineering, Pudhucherry Technological University, Puducherry, India

Document Type: Article **Publication Stage:** Final

Source: Scopus

5) Arun, I.^a , Yuvaraj, C.^a , Sivakumar, A.^b , Thamizhmanii, S.^a

Micro-structure and self-lubricant properties of powder mixed electrical discharge metal matrix composite coating (2022) *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, 236 (4), pp. 1369-1376.

Document Type: Article **Publication Stage:** Final

Source: Scopus

- 6) Sudhakar, T.^a, Sambath Kumar, S.^a, Ravi, V.^b, Ramalingam, R.^c, Dua, S.^d

 Neighborhood rough set-based route selection for mobile ad hoc networks

 (2022) International Journal of Communication Systems, 35 (11), art. no. e5178, .
 - ^a School of Computer Applications, Lovely Professional University, Phagwara, India
 - ^b Center for Artificial Intelligence, Prince Mohammad Bin Fahd University, Khobar, Saudi Arabia
 - ^c Department of Computer Science and Technology, Madanapalle Institute of Technology & Science, Madanapalle, India
 - ^d Lyallpur Khalsa College Technical Campus, Jalandhar, India

Document Type: Article **Publication Stage:** Final

Source: Scopus

7) Dhiman, P.^a , Henge, S.K.^a , Ramalingam, R.^b , Dumka, A.^{c d} , Singh, R.^e , Gehlot, A.^e , Rashid, M.^f , Alshamrani, S.S.^g , Alghamdi, A.S.^h , Alshehri, A.ⁱ

Secure Token–Key Implications in an Enterprise Multi-Tenancy Environment Using BGV–EHC Hybrid Homomorphic Encryption

(2022) Electronics (Switzerland), 11 (13), art. no. 1942, .

Document Type: Article **Publication Stage:** Final

Source: Scopus

8) Mahesh, M.^a , Harigovindan, V.P.^b

Hidden terminal aware grouping scheme for IEEE 802.11ah based dense IoT networks

^a Center for Advanced Material Processing, Madanapalle Institute of Technology Science, Andhra Pradesh, Madanapalle, India

^b Department of Mechanical Engineering, Kongu Engineering College, Tamil Nadu, Erode, India

^a School of Computer Applications, Lovely Professional University, Punjab 144402, India

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

^c Department of Computer Science and Engineering, Women Institute of Technology, Uttarakhand, Dehradun, 248007, India

^d Department of Computer Science and Engineering, Graphic Era Deemed to be University, Uttarakhand, Dehradun, 248001, India

e Uttaranchal Institute of Technology, Uttaranchal University, Uttarakhand, Dehradun, 248007, India

f Department of Computer Engineering, Faculty of Science and Technology, Vishwakarma University, Pune, 411048, India

^g Department of Information Technology, College of Computer and Information Technology, Taif University, P.O. Box 11099, Taif, 21944, Saudi Arabia

^h Department of Computer Engineering, College of Computer and Information Technology, Taif University, P.O. Box 11099, Taif, 21994, Saudi Arabia

ⁱ Department of Information Technology, Al Baha University, P.O. Box 1988, Al Baha, 65731, Saudi Arabia

(2022) Computer Communications, 191, pp. 161-172.

Document Type: Article Publication Stage: Final

Source: Scopus

9) Bhardwaj, L.^{a c}, Mishra, R.K.^a, Shankar, R.^b Investigation of low-density parity check codes concatenated multi-user massive multiple-input multiple-output systems with imperfect channel state information

(2022) Journal of Defense Modeling and Simulation, 19 (3), pp. 539-550. Cited 2 times.

Document Type: Article Publication Stage: Final

Source: Scopus

10) Shankar, R.

Examination of a non-orthogonal multiple access scheme for next generation wireless networks (2022) Journal of Defense Modeling and Simulation, 19 (3), pp. 453-465. Cited 13 times.

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

Document Type: Article **Publication Stage: Final**

Source: Scopus

11) De, S.^a, Acharya, S.^a, Maity, C.K.^a, Sahoo, S.^b, Nayak, G.C.^a

MXene (Ti3C2Tx)-/Amine-Functionalized Graphene-Supported Self-Assembled Co9S8Nanoflower for Ultrastable **Hybrid Supercapacitor**

(2022) Industrial and Engineering Chemistry Research, 61 (23), pp. 7727-7738.

Document Type: Article Publication Stage: Final

Source: Scopus

12) Rajkumar, S.a, Sathesh, K.b, Mulatu, B.T.a

Chip Layout for Adaptive Line Enhancer Design using Adaptive Filtering Algorithms and Metrics Computation for **Auscultation Signal Separation**

(2022) Journal of Beijing Institute of Technology (English Edition), 31 (3), pp. 317-326.

Document Type: Article Publication Stage: Final

Source: Scopus

13) Muhiuddin, G.^a , Al-Tahan, M.^b , Mahboob, A.^c , Hoskova-Mayerova, S.^d , Al-Kaseasbeh, S.^e Linear Diophantine Fuzzy Set Theory Applied to BCK/BCI-Algebras (2022) Mathematics, 10 (12), art. no. 2138, .

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

^b Department of Electronics and Communication Engineering, National Institute of Technology Puducherry, India

^a Department of Electronics and Communication Engineering, NIT Patna, India

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

^c Department of Electronics and Communication Engineering, Manav Rachna University, India

^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

^a Department of Electronics and Communication Engineering, School of Electrical Engineering and Computing, Adama Science and Technology University (ASTU), Adama, Ethiopia

^b Department of ECE, Madanapalle Institute of Technology & Science, Andhra Pradesh, India

^a Department of Mathematics, Faculty of Science, University of Tabuk, P.O. Box 741, Tabuk, 71491, Saudi Arabia

^b Department of Mathematics and Statistics, Abu Dhabi University, P.O. Box 15551, Abu Dhabi, United Arab Emirates

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

^d Department of Mathematics and Physics, University of Defence in Brno, Kounicova 65, Brno, 662 10, Czech Republic

^e Department of Mathematics, Tafila Technical University, Tafila, 66110, Jordan

Document Type: Article **Publication Stage:** Final

Source: Scopus

14) Dua, S.^a , Kumar, S.S.^a , Albagory, Y.^b , Ramalingam, R.^c , Dumka, A.^d , Singh, R.^e , Rashid, M.^f , Gehlot, A.^e , Alshamrani, S.S.^g , Alghamdi, A.S.^b

Developing a Speech Recognition System for Recognizing Tonal Speech Signals Using a Convolutional Neural Network

(2022) Applied Sciences (Switzerland), 12 (12), art. no. 6223, .

- ^a School of Computer Applications, Lovely Professional University, Jalandhar, 144402, India
- ^b Department of Computer Engineering, College of Computers and Information Technology, Taif University, P.O. Box 11099, Taif, 21944, Saudi Arabia
- ^c Department of Computer Science & Technology, MITS, Madanapalle, 517325, India
- ^d Department of Computer Science & Engineering, Women Institute of Technology, Dehradun, 248007, India
- ^e Department of Research and Development, Uttaranchal Institute of Technology, Uttaranchal University, Dehradun, 248007, India
- ^f Department of Computer Engineering, Faculty of Science and Technology, Vishwakarma University, Pune, 411048, India
- g Department of Information Technology, College of Computer and Information Technology, Taif University, P.O. Box 11099, Taif, 21944, Saudi Arabia

Document Type: Article **Publication Stage:** Final

Source: Scopus

- 15) Banerjee, P.^a, Roy, A.B.^b, Nandi, A.^a, Das, S.^c, Kundu, A.^c, Mukherjee, S.^a, Saha, H.^a, Hossain, S.M.^d **Light-trapping scheme using silica spheres on ultrathin c-silicon absorber: transition from antireflection coating to whispering gallery resonator** (2022) *Applied Physics A: Materials Science and Processing*, 128 (6), art. no. 481, .
 - ^a School of Advanced Materials, Green Energy and Sensor Systems, Indian Institute of Engineering Science and Technology, Shibpur, Botanic Garden, West Bengal, Howrah, 711103, India
 - ^b Department of Electrical and Electronics Engineering, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, 517325, India
 - ^c NanoScience Technology Center (NSTC), University of Central Florida, Orlando, FL 32826, United States
 - ^d Department of Physics, Indian Institute of Engineering Science and Technology, Shibpur, Botanic Garden, West Bengal, Howrah, 711103, India

Document Type: Article **Publication Stage:** Final

Source: Scopus

16) Dawn, R. a , Zzaman, M. a b , Faizal, F. c d , Kiran, C. e , Kumari, A. a , Shahid, R. b , Panatarani, C. c d , Joni, I.M. c d , Verma, V.K. f , Sahoo, S.K. g , Amemiya, K. h , Singh, V.R. a

Origin of Magnetization in Silica-coated Fe3O4 Nanoparticles Revealed by Soft X-ray Magnetic Circular Dichroism (2022) *Brazilian Journal of Physics*, 52 (3), art. no. 99,

- ^a Department of Physics, Central University of South Bihar, Gaya, 824236, India
- ^b Department of Physics, Jamia Millia Islamia (Central University), New Delhi, 110025, India
- ^c Department of Physics, Universitas Padjadjaran, Jl. Raya Bandung-Sumedang Km 21, West Java, Bandung, 45363, Indonesia
- ^d Functional Nano Powder University Centre of Excellence (FiNder U CoE), Universitas Padjadjaran, Jl. Raya Bandung-Sumedang, Km 21, West Java, Bandung, 45363, Indonesia
- ^e Department of Animal Sciences, Central University of Kashmir, Ganderbal, 191201, India
- f Department of Physics, Madanapalle Institute of Technology & Science, Madanapalle, 517325, India
- ^g Department of Metallurgical and Materials Engineering, National Institute of Technology, Rourkela, 769008, India
- h Photon Factory, IMSS, High Energy Accelerator Research Organization, Ibaraki, Tsukuba, 305-0801, Japan

Document Type: Article Publication Stage: Final

Source: Scopus

17) Saha, S.^a , Biswas, P.^b , Das, A.N.^c

Numerical Study of Turbulent Airflow Structure and Transfer of Heat Having Trapezoidal Baffles Attached on the Walls and Centerline of the Rectangular Channel

(2022) International Journal of Applied and Computational Mathematics, 8 (3), art. no. 104, .

- ^a Department of Mathematics, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, 517325, India
- ^b Department of Mathematics, National Institute of Technology Silchar, Assam, Silchar, 788010, India
- ^c Department of Mathematics, Alipurduar University, West Bengal, Alipurduar, 736121, India

Document Type: Article **Publication Stage:** Final **Source:** Scopus

18) Hussain. S.

Resolution-Selective and Resolution-Adaptive 2 to 8-Bit Flash ADC for High-Speed Application-Independent IC (HS-AIIC)

(2022) Journal of Circuits, Systems and Computers, 31 (9), art. no. 2250169, .

Ece Department, Mits, Andhra Pradesh, Madanapalle, 517325, India

Document Type: Article
Publication Stage: Final

Source: Scopus

19) Nallabala, N.K.R.^a , Reddy, V.R.M.^b , Singh, V.R.^c , Rahim Bakash, K.^d , Kumar, S.^e , Saha, D.^a , Mahendran, V.^f , Kummara, V.K.^g , Guntupalli, G.K.^h , Vattikuti, S.V.P.ⁱ

Enhanced photoresponse performance in GaN based symmetric type MSM ultraviolet-A and MIS ultraviolet-A to C photodetectors

(2022) Sensors and Actuators A: Physical, 339, art. no. 113502, . Cited 1 time.

- ^a Department of Physics, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, 517 325, India
- ^b School of Chemical Engineering, Yeungnam University, Gyeongsan, 38541, South Korea
- ^c Department of Physics, Central University of South Bihar, Gaya, 824236, India
- ^d Department of Electronic Engineering and Organic Electronics Research Center, Ming Chi University of Technology, New Taipei City, 24301, Taiwan
- ^e Department of Electronic Science, Kurukshetra University, Kurukshetra, 136119, India
- f Department of Condensed Matter Physics, Jozef Stefan Institute, Jamova 39, Ljubljana, SI-1000, Slovenia
- ^g Photonics Research Center, Department of Electrical Engineering, The Hong Kong Polytechnic University, Hong Kong SAR, China
- ^h IISER Berhampur, Odisha, Berhampur, 760 010, India
- ⁱ School of Mechanical Engineering, Yeungnam University, Gyeongsan, 38541, South Korea

Document Type: Article Publication Stage: Final

Source: Scopus

20) Kumar, S.^a, Kurmi, Y.^b

CNN-based denoising system for the image quality enhancement (2022) *Multimedia Tools and Applications*, 81 (14), pp. 20147-20174.

- ^a Department of ECE, Madanapalle Institute of Technology & Science, Madanapalle, India
- ^b Department of ECE, Madhyanchal Professional University Bhopal, Ratibad, India

Document Type: Article **Publication Stage:** Final

Source: Scopus

- 21) Saravana, R.a , Hemadri Reddy, R.b , Narasimha Murthy, K.V.a , Makinde, O.D.c
 - Thermal radiation and diffusion effects in MHD Williamson and Casson fluid flows past a slendering stretching surface

(2022) Heat Transfer, 51 (4), pp. 3187-3200.

- ^a Department of Mathematics, Madanapalle Institute of Technology & Science, Andhra Pradesh, Madanapalle, India
- ^b Department of Mathematics, School of Advanced Sciences, VIT University, Tamil Nadu, Vellore, India
- ^c Faculty of Military Science, Stellenbosch University, Saldanha, South Africa

Document Type: Article Publication Stage: Final

22) Knowles, S.P.a , Pabi, D.J.A.b , Kumar, S.M.a , Babu, G.R.c $\,$

A study on the impact of emotional intelligence factors for the enhancement of workplace happiness with reference to the teaching faculty in Bangalore

(2022) AIP Conference Proceedings, 2393, art. no. 020025, .

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

- ²³⁾ R, A.^a, K, D.^a, Obaid, A.J.^b, Malik, P.^c, Sharma, R.^d, Dumka, A.^e, Singh, R.^c, Khatak, S.^f

 Securing e-Health application of cloud computing using hyperchaotic image encryption framework (2022) *Computers and Electrical Engineering*, 100, art. no. 107860, .
 - ^a Madanapalle Institute of Technology & Science, Andhra Pradesh, India
 - ^b Faculty of Computer Science and Mathematics, University of Kufa, Iraq
 - ^c School of Electronics and Electrical Engineering, Lovely Professional University, Punjab, India
 - ^d Department of Electronics & Communication Engineering, Faculty of Engineering and Technology, SRM Institute of Science and Technology, NCR Campus, Delhi-NCR Campus, Delhi-Meerut Road, Modinagar, Uttar Pradesh, Ghaziabad, India
 - ^e Computer Science & Engineering, Women Institute of Technology (Govt.), Dehradun, India

Document Type: Article Publication Stage: Final

Source: Scopus

²⁴⁾ Hussain, I.^a, Sahoo, S.^{b c}, Sayed, M.S.^{c d}, Ahmad, M.^a, Sufyan Javed, M.^e, Lamiel, C.^f, Li, Y.^a, Shim, J.-J.^c, Ma, X.^a, Zhang, K.^a

Hollow nano- and microstructures: Mechanism, composition, applications, and factors affecting morphology and performance

(2022) Coordination Chemistry Reviews, 458, art. no. 214429, . Cited 8 times.

- ^a Department of Mechanical Engineering, City University of Hong Kong, 83 Tat Chee Avenue, Kowloon, Hong Kong
- ^b Department of Chemistry, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, 517325, India
- ^c School of Chemical Engineering, Yeungnam University, Gyeongsan, Gyeongbuk 38541, South Korea
- ^d Analysis and Evaluation Department, Egyptian Petroleum Research Institute, Nasr City, Cairo, 11727, Egypt
- ^e School of Physical Science and Technology, Lanzhou University, Lanzhou, 730000, China
- f Department of Chemical Engineering, University of Wyoming, Laramie, WY 82071, United States

Document Type: Review **Publication Stage:** Final

Source: Scopus

25) Natesamurthi, C. a , Kumaresan, V. b , Christopher, S. b , Raghavan, K.S. b , Senthilkumaar, J.S. c

Thermal performance enhancement of compound parabolic concentrator solar collector using latent heat thermal energy storage

(2022) Environmental Progress and Sustainable Energy, 41 (3), art. no. e13765, .

Document Type: Article **Publication Stage:** Final

Source: Scopus

²⁶⁾ Netalkar, P.P.^a, Maithreye, S.R.^a, Karuna, Y.M.^a, Natarajan, S.^b, Gadipelly, T.^c, Bhat P, D.^d, Dasgupta, A.^e, Lewis, A.^b Effect of nano-hydroxyapatite incorporation on fluoride-releasing ability, penetration, and adaptation of a pit and fissure sealant

(2022) International Journal of Paediatric Dentistry, 32 (3), pp. 344-351.

^a Annamalai University, Chidambaram, India

^b MITS, Madanapalle, India

^c NACCAS, Kaliyakkavilai, India

f Department of ECE, The Technological Institute of Textile & Sciences, Haryana, Bhiwani, 127021, India

^a Bharathidasan Engineering College, Tirupattur, India

^b CEG Campus, Anna University, Chennai, India

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

^a Department of Pediatric and Preventive Dentistry, Manipal College of Dental Sciences, Mangalore, Affiliated to Manipal Academy of Higher Education, Manipal, India

- ^b Department of Oral Pathology, Manipal College of Dental Sciences, Mangalore, Affiliated to Manipal Academy of Higher Education, Manipal, India
- ^c Physics department, Basic sciences and humanities, Madanapalle institute of technology & science, Andhra Pradesh, Madanapally, India
- ^d Department of Metallurgical and Materials Engineering, National Institute of Technology, Surathkal, India
- ^e Structural and Analytical Microscopy Section, Physical Metallurgy Division, Metallurgy and Materials Group, Indira Gandhi Center for Atomic Research, Kalpakkam, India

Document Type: Article **Publication Stage:** Final

Source: Scopus

27) Adigopula, V.K.

A Simplified Empirical Approach for Prediction of Pavement Layer Moduli Values Using Lightweight Deflectometer Data

(2022) International Journal of Pavement Research and Technology, 15 (3), pp. 751-763.

Madanapale Institute of Technology and Science, Madanapalle, India

Document Type: Article Publication Stage: Final

Source: Scopus

28) Tiwari, R.a b , Deshmukh, S.a

Handover Count Based MAP Estimation of Velocity With Prior Distribution Approximated via NGSIM Data-Set (2022) IEEE Transactions on Intelligent Transportation Systems, 23 (5), pp. 4352-4361. Cited 2 times.

- ^a Department of Electronics and Communication Engineering, National Institute of Technology at Rourkela, Rourkela, 769008, India
- ^b Department of Electronics and Communication Engineering, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India

Document Type: Article
Publication Stage: Final
Source: Scopus

Source: Scopus

- 29) Bommireddy, P.R.^a, Chandra Sekhar, M.^b, Lee, Y.-W.^a, Kumar, M.^a, Suh, Y.^a, Park, S.-H.^a

 Binder-free Co–Ni hexacyanoferrate as a battery-type electrode material for hybrid supercapacitors
 (2022) *Ceramics International*, 48 (8), pp. 11849-11857. Cited 3 times.
 - ^a Department of Electronic Engineering, Yeungnam University, 280 Daehak-ro, Gyeongsan-si, Gyeongsanbuk-do, South Korea
 - ^b Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India

Document Type: Article **Publication Stage:** Final

Source: Scopus

30) Pantula, M.^a , Kuppusamy, K.S.^b

A Machine Learning-Based Model to Evaluate Readability and Assess Grade Level for the Web Pages (2022) Computer Journal, 65 (4), pp. 831-842.

- ^a Department of Computer Science Technology, School of Computers, Madanapalle Institute of Technology and Sciences, Andhra Pradesh, Madanapalle, 517325, India
- ^b Department of Computer Science, School of Engineering and Technology Pondicherry University, Pondicherry, 605014, India

Document Type: Article **Publication Stage:** Final

Source: Scopus

31) Abughazalah, N.^a, Muhiuddin, G.^b, Elnair, M.E.A.^b ^c, Mahboob, A.^d **Bipolar Fuzzy Set Theory Applied to the Certain Ideals in BCI-Algebras**(2022) *Symmetry*, 14 (4), art. no. 815, .

^a Department of Mathematical Sciences, College of Science, Princess Nourah bint Abdulrahman University, P.O. Box 84428, Riyadh, 11671, Saudi Arabia

^b Department of Mathematics, Faculty of Science, University of Tabuk, P.O. Box 741, Tabuk, 71491, Saudi Arabia

^c Department of Mathematics and Physics, Gezira University, P.O. Box 20, Wad Medani, 2667, Sudan

Document Type: Article Publication Stage: Final

Source: Scopus

32) Thurai Raaj, V.B.^a, Gorantla, S.R.^b, Karunanidy, D.^c, Dumka, A.^d, Singh, R.^e, Rashid, M.^f, Albagory, Y.^g, Alshamrani,

Dual Battery Storage Technique for Remote, Location-Based Solar PV System and Standalone Applications (2022) Energies, 15 (8), art. no. 2748, .

Document Type: Article Publication Stage: Final

Source: Scopus

33) Maji, A.a, Deshamukhya, T.b, Choubey, G.c, Choubey, A.d

Correction to: Performance evaluation of perforated pin fin heat sink using particle swarm optimization and MCDM techniques (Journal of Thermal Analysis and Calorimetry, (2022), 147, 8, (5133-5150), 10.1007/s10973-021-10872-6) (2022) Journal of Thermal Analysis and Calorimetry, 147 (8), p. 5151.

- ^a Department of Mechanical Engineering, GMR Institute of Technology, GMR Nagar, Andhra Pradesh, Rajam, 532127, India ^b Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Andhra Pradesh, Madanapalle, 517325, India
- ^c Department of Mechanical & Aerospace Engineering, Institute of Infrastructure Technology Research and Management (IITRAM), Gujarat, 380026, India

Document Type: Erratum Publication Stage: Final

Source: Scopus

34) Maji, A.a, Deshamukhya, T.b, Choubey, G.c, Choubey, A.d

Performance evaluation of perforated pin fin heat sink using particle swarm optimization and MCDM techniques (2022) Journal of Thermal Analysis and Calorimetry, 147 (8), pp. 5133-5150. Cited 2 times.

Document Type: Article **Publication Stage: Final**

Source: Scopus

35) Kumar, R.a, Patbhaje, U.b, Kumar, A.b

An efficient technique for image compression and quality retrieval using matrix completion (2022) Journal of King Saud University - Computer and Information Sciences, 34 (4), pp. 1231-1239. Cited 4 times.

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

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

^b Department of Electrical and Electronics Engineering, VFSTR, Guntur, 522213, India

^c Department of Computer Science and Technology, Madanapalle Institute of Technology & Science, Madanapalle, 517325,

^d Department of Computer Science and Engineering, Women's Institute of Technology, Dehradun, 248007, India

^e Division of Research & Innovation, Uttaranchal University, Dehradun, 248007, India

f Department of Computer Engineering, Faculty of Science and Technology, Vishwakarma University, Pune, 411048, India

⁹ Department of Computer Engineering, College of Computers and Information Technology, Taif University, P.O. Box 11099, Taif, 21944, Saudi Arabia

^h Department of Information Technology, College of Computer and Information Technology, Taif University, P.O. Box 11099, Taif, 21944, Saudi Arabia

^d Department of Mechanical Engineering, Indian Institute of Technology Delhi, New Delhi, 110016, India

^a Department of Mechanical Engineering, GMR Institute of Technology, GMR Nagar, Andhra Pradesh, Rajam, 532127, India

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

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

^d Department of Mechanical Engineering, Indian Institute of Technology Delhi, New Delhi, 110016, India

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

^b PDPM-Indian Institute of Information Technology Design and Manufacturing Jabalpur, MP, Jabalpur, 482005, India

Document Type: Article **Publication Stage:** Final

Source: Scopus

36) Agrawal, A.K.a, Narayanan, R.G.b

Prediction of load requirement and instabilities during end forming of friction stir processed AA 6063-T6 thinwalled tubes

(2022) Multidiscipline Modeling in Materials and Structures, 18 (1), pp. 70-86.

Document Type: Article
Publication Stage: Final
Source: Scopus

Source: Scopus

37) Gupta, S.K.a, Goel, A.b

Design and analysis of three-dimensional m-sequence bipolar OCDMA spectral amplitude code (2022) Optical and Quantum Electronics, 54 (3), art. no. 186, .

Document Type: Article **Publication Stage:** Final

Source: Scopus

38) Karunanidy, D.^a , Ramalingam, S.^b , Dumka, A.^c , Singh, R.^d , Rashid, M.^e , Gehlot, A.^d , Alshamrani, S.S.^f , Alghamdi, A.S.^g

JMA: Nature-Inspired Java Macaque Algorithm for Optimization Problem (2022) *Mathematics*, 10 (5), art. no. 688, .

- ^a Department of Computer Science & Technology, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India
- ^b Department of Computer Science & Engineering, Pondicherry University, Puducherry, 605014, India
- ^c Department of Computer Science and Engineering, Women's Institute of Technology, Dehradun, 248007, India
- ^d Department of Research and Development, Uttaranchal Institute of Technology, Uttaranchal University, Dehradun, 248007, India
- ^e Department of Computer Engineering, Faculty of Science and Technology, Vishwakarma University, Pune, 411048, India ^f Department of Information Technology, College of Computer and Information Technology, Taif University, P.O. Box 11099,

Taif, 21944, Saudi Arabia

^g Department of Computer Engineering, College of Computer and Information Technology, Taif University, P.O. Box 11099, Taif, 21994, Saudi Arabia

Document Type: Article **Publication Stage:** Final

Source: Scopus

39) Bojjagani, S.^a, Rao, P.V.V.^b, Vemula, D.R.^a, Reddy, B.R.^a, Lakshmi, T.J.^a A secure loT-based micro-payment protocol for wearable devices (2022) Peer-to-Peer Networking and Applications, 15 (2), pp. 1163-1188.

Document Type: Article **Publication Stage:** Final

Source: Scopus

40) Ramesh Reddy, P.^a, Abdul Gaffar, S.^b, Anwar Beg, O.^c, Md. Hidayathulla Khan, B.^d
Hall and ion-slip effects on nanofluid transport from a vertical surface: Buongiorno's model
(2022) ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik, 102 (3), art. no. e202000174, .

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

^b Department of Mechanical Engineering, Indian Institute of Technology Guwahati, Guwahati, India

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

^b MANIT, Bhopal, India

^a Department of Computer Science & Engineering, School of Engineering and Applied Sciences, SRM University-AP, Andhra Pradesh, 522502, India

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

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

- ^b Department of Information Technology, Mathematics Section, University of Technology and Applied Sciences, Salalah,
- ^c Multi-Physical Simulation, Aeronautical/Mechanical Engineering Division, University of Salford, Salford, United Kingdom
- ^d Department of Mathematics, Aditya College of Engineering, Madanapalle, India

Document Type: Article Publication Stage: Final

Source: Scopus

41) Wang, L.a, Kumar, P.b, Makhatha, M.E.b, Jagota, V.c

Numerical simulation of air distribution for monitoring the central air conditioning in large atrium (2022) International Journal of System Assurance Engineering and Management, 13, pp. 340-352. Cited 18 times.

- ^a School of Architecture and Mapping Engineering, Shanxi Datong University, Shanxi, Datong, 037000, China
- ^b Department of Engineering Metallurgy, University of Johannesburg, Johannesburg, South Africa
- ^c Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, AP, Madanapalle, India

Document Type: Article Publication Stage: Final

Source: Scopus

- 42) Tripathi, D.^a , Shukla, A.K.^b , Reddy, B.R.^c , Bopche, G.S.^d , Chandramohan, D.^e

 Credit Scoring Models Using Ensemble Learning and Classification Approaches: A Comprehensive Survey (2022) Wireless Personal Communications, 123 (1), pp. 785-812.
 - ^a Thapar Institute of Engineering and Technology, Punjab, Patiala, 147004, India
 - ^b VIT University AP-Andhra Pradesh, Andhra Pradesh, Amaravati, 522237, India
 - ^c SRM University AP Andhra Pradesh, Andhra Pradesh, Amaravati, 522502, India
 - ^d National Institute of Technology Tiruchirappalli, Tamilnadu, Tiruchirappalli, 620015, India
 - e Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, 517325, India

Document Type: Review Publication Stage: Final

Source: Scopus

- 43) Huang, X.a, Jagota, V.b, Espinoza-Muñoz, E.c, Flores-Albornoz, J.c Tourist hot spots prediction model based on optimized neural network algorithm (2022) International Journal of System Assurance Engineering and Management, 13, pp. 63-71. Cited 18 times.
 - ^a Chengdu Polytechnic, Sichuan, Chengdu, 610000, China
 - ^b Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, AP, Madanapalle, India
 - ^c Environmental Sciences Faculty, Universidad Nacional Santiago Antúnez de Mayolo, Huaraz, Peru

Document Type: Article Publication Stage: Final

Source: Scopus

44) Mahapatro, S.R.^a, Subudhi, B.^b

A Robust Stability Region-Based Decentralized PI Controller for a Multivariable Liquid Level System (2022) IEEE Systems Journal, 16 (1), pp. 124-131.

Document Type: Article Publication Stage: Final

Source: Scopus

45) Raghavendra, H.^{a b}, Suryanarayana Raju, P.^a, Hemachandra Reddy, K.^b Effect of Geometric and Operational Parameters on the Performance of a Beta-Type Stirling Engine: A Numerical

(2022) Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 46 (1), .

^a Department Of Electronics And Communication Engineering, Madanapalle Institute Of Technology And Science, Madanapalle, 517325, India

^b School Of Electrical Sciences, Indian Institute Of Technology, Goa, 403401, India

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

517325, India

^b Department of Mechanical Engineering, JNTUA College of Engineering, Andhra Pradesh, Anantapuramu, 515002, India

Document Type: Review **Publication Stage:** Final

Source: Scopus

46) Kumari, A.^a , Kumar, A.^a , Dawn, R.^a , Franklin, J.B.^b , Vinjamuri, R.^c , Sahoo, S.K.^c , Goutam, U.K.^d , Verma, V.K.^e , Meena, R.^f , Kandasami, A.^{f g} , Mahapatra, S.^h , Kumar, K.ⁱ , Kumar, A.^a , Singh, V.R.^a

Valence band structure of Cr doped VO2 thin films: A resonant photoelectron spectroscopy study (2022) *Journal of Alloys and Compounds*, 895, art. no. 162620, . Cited 1 time.

Document Type: Article Publication Stage: Final

Source: Scopus

47) Jena, S.^a , Zzaman, M.^a ^b , Verma, V.K.^c ^d , Ishigami, K.^e , Shibata, G.^f , Ishikawa, T.^g , Li, G.F.^g , Yamamoto, M.^g , Shahid, R.^b , Koide, T.^h , Fujimori, A.^c , Singh, V.R.^a ^c

Thickness-dependent electronic and magnetic states of Mn and Co atoms at Mn-rich Co2Mn1.20Ge0.38/MgO interfaces via soft x-ray magnetic circular dichroism

(2022) Physica B: Condensed Matter, 627, art. no. 413619, . Cited 1 time.

Document Type: Article **Publication Stage:** Final

Source: Scopus

48) Reddy Nallabala, N.K.^a , Vattikuti, S.V.P.^b , Verma, V.K.^a , Singh, V.R.^c , Alhammadi, S.^d , Kummara, V.K.^{e f} , Manjunath, V.^g , Dhanalakshmi, M.^a , Minnam Reddy, V.R.^d

Highly sensitive and cost-effective metal-semiconductor-metal asymmetric type Schottky metallization based ultraviolet photodetecting sensors fabricated on n-type GaN

(2022) Materials Science in Semiconductor Processing, 138, art. no. 106297, . Cited 1 time.

Document Type: Article Publication Stage: Final

^a SpinTec Laboratory, Department of Physics, Central University of South Bihar, Gaya, Bihar 824236, India

^b Department of Energy Storage and Distribution Resources, Lawrence Berkeley National Laboratory, Berkeley, CA 94720, United States

^c Department of Metallurgical and Materials Engineering, National Institute of Technology, Rourkela, 769008, India

^d Technical Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India

^e Department of Physics, Madanapalle Institute of Technology & Science, Angallu, Madanapalle, 517325, India

f Materials Science Division, Inter-University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi, 110067, India

^g Department of Physics & Centre for Interdisciplinary Research, University of Petroleum and Energy Studies (UPES), Dehradun, Uttarakhand 248007, India

^h Department of Physics and Astronomy, National Institute of Technology, Rourkela, 769008, India

ⁱ Department of Physics, Ranchi University, Ranchi, 834008, India

^a Department of Physics, Central University of South Bihar, Gaya, Bihar 824236, India

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

^c Department of Physics, University of Tokyo, Bunkyo-ku, Tokyo, 113-0033, Japan

^d Department of Physics, Madanapalle Institute of Technology & Science, Madanapalle, Chittoor, A.P 517325, India

^e Research Project Division, JASRI, Sayo-cho, Sayo-gun, Hyogo679-5148, Japan

[†] Department of Applied Physics, Tokyo University of Science, Shinjuku, Tokyo, 162-8601, Japan

⁹ Division of Electronics for Informatics, Hokkaido University, Sapporo, 060-0814, Japan

^h Photon Factory, IMSS, High Energy Accelerator Research Organization, Ibaraki, Tsukuba, 305-0801, Japan

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

^b School of Mechanical Engineering, Yeungnam University, Gyeongsan, 38541, South Korea

^c Department of Physics, Central University of South Bihar, Gaya, 824236, India

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

^e Laser Applications Research Group, Ton Duc Thang University, Ho Chi Minh City, Viet Nam

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

^g Department of Physics, Sri Padmavati Mahila Visvavidyalayam, Tirupati, Andhra Pradesh 517502, India

49) Adigopula, V.K.

Possibilities and proposals of intelligent transportation system in the Indian context: a synthesis of the literature (2022) Innovative Infrastructure Solutions, 7 (1), art. no. 23, .

Madanapalle Institute of Technology & Science, Angallu, Madanapalle, Andhra Pradesh 517325, India

Document Type: Article **Publication Stage: Final**

Source: Scopus

50) Hasan, M.G.^a, Ashraf, Z.^b, Khan, M.F.^c

Multi-choice best-worst multi-criteria decision-making method and its applications (2022) International Journal of Intelligent Systems, 37 (2), pp. 1129-1156. Cited 2 times.

- ^a Department of Mathematics, Madanapalle Institute of Technology & Science, Madanapalle, India
- ^b Department of Computer Science, Aligarh Muslim University, Aligarh, India
- ^c Department of Basic Science, College of Science & Theoretical Studies, Saudi Electronic University, Riyadh, Saudi Arabia

Document Type: Article Publication Stage: Final

Source: Scopus

51) Kale, S.a, Chandu, M.S.b

Dual Metal Gate Dielectric Engineered Dopant Segregated Schottky Barrier MOSFET With Reduction in Ambipolar

(2022) Silicon, 14 (3), pp. 935-941. Cited 6 times.

- ^a Department of Electronics and Communication Engineering, Delhi Technological University, Delhi, 110042, India
- ^b Department of Electronics and Communication Engineering, Madanapalle Institute of Technology & Science, AP, Madanapalle, 517325, India

Document Type: Article Publication Stage: Final

Source: Scopus

52) Al-Amin, M.^a, Abdul-Rani, A.M.^a, Rao, T.V.V.L.N.^b, Danish, M.^c, Rubaiee, S.^{c d}, Mahfouz, A.B.^e, Parameswari, R.P.^f, Wani, M.F.^g

Investigation of machining and modified surface features of 316L steel through novel hybrid of HA/CNT added-EDM process

(2022) Materials Chemistry and Physics, 276, art. no. 125320, . Cited 1 time.

- ^a Department of Mechanical Engineering, Universiti Teknologi Petronas, Seri Iskandar, Perak, Malaysia
- ^b Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Madanapalle, India
- ^c Department of Mechanical and Materials Engineering, University of Jeddah, Jeddah, Saudi Arabia
- ^d Department of Industrial and System Engineering, University of Jeddah, Jeddah, Saudi Arabia
- ^e Department of Chemical Engineering, University of Jeddah, Jeddah, Saudi Arabia
- ^f Department of Pharmacology, Saveetha Dental College and Hospital, SIMATS, Chennai, 600077, India
- ^g Department of Mechanical Engineering, National Institute of Technology, Srinagar, Kashmir, India

Document Type: Article **Publication Stage: Final**

Source: Scopus

53) Paul, A.a, Deshamukhya, T.b, Pal, J.c

Investigation and utilization of Indian peat in the energy industry with optimal site-selection using Analytic Hierarchy Process: A case study in North-Eastern India (2022) Energy, 239, art. no. 122169, . Cited 3 times.

- ^a Department of Civil Engineering, Golaghat Engineering College, Bogorijeng, Golaghat, Assam 785621, India
- ^b Department of Mechanical Engineering, Madanapalle Institute of Technology & ScienceAndhra Pradesh 517325, India
- ^c Department of Civil Engineering, National Institute of Technology SilcharAssam 788010, India

Document Type: Article Publication Stage: Final Source: Scopus

54)

Anguraj, D.K.a, Bashar, A.b, Nidhya, R.c, Shimna, P.K.d, Ravi, R.V.e Minimizing path loss and improving security in wireless body area networks (2022) International Journal of Intelligent Unmanned Systems, 10 (1), pp. 117-128.

- ^a Koneru Lakshmaiah Education Foundation, Guntur, India
- ^b Prince Mohammad Bin Fahd University, Al Khobar, Saudi Arabia
- ^c Madanapalle Institute of Technology and Science, Madanapalle, India
- ^d Vimal Jyothi Engineering College, Kannur, India
- e Department of Electronics and Communication Engineering, M.E.A. Engineering College, Malappuram, India

Document Type: Article Publication Stage: Final

Source: Scopus

- 55) Muhiuddin, G.^a, Mahboob, A.^b, Abughazalah, N.^c Generalized fuzzy ideals in ordered semirings (2022) Complex and Intelligent Systems, .
 - ^a Department of Mathematics, Faculty of Science University of Tabuk, Tabuk, 71491, Saudi Arabia
 - ^b Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India
 - ^c Department of Mathematical Sciences, College of Science, Princess Nourah bint Abdulrahman University, P.O.Box 84428, Riyadh, 11671, Saudi Arabia

Document Type: Article

Publication Stage: Article in Press

Source: Scopus

56) Adigopula, V.K.^a , Bogi Reddy, C.^b , Garg, A.^c , Kumar, R.^d , Ramana, G.V.^e Laboratory investigation of modified subgrade clay soil mix with steel slag and lime using static and dynamic test

(2022) International Journal of Geotechnical Engineering, .

- ^a Department of Civil Engineering, Madanapalle Institute of Technology Science, Madanapalle, India
- ^b Department of Civil Engineering, Vardhaman College of Engineering, Hyderabad, India
- ^c Department of Civil and Environmental Engineering, Shantou University, Guangdong, Shantou, China
- ^d Department of Civil Engineering, National Institute of Technology, Surat, India
- ^e Department of Civil Engineering, National Institute of Technology, Warangal, India

Document Type: Article

Publication Stage: Article in Press

Source: Scopus

57) Jeyapragash, R.^a , Sathiyamurthy, S.^b , Srinivasan, V.^c , Prithivirajan, R.^d , Swaminathan, G.^e PROPERTIES AND CHARACTERISTICS OF ALKALI TREATED CALOTROPIS GIGANTEA FIBER-REINFORCED PARTICLE-FILLED EPOXY COMPOSITES

(2022) Composites Theory and Practice, 2022 (2), pp. 99-105.

- ^a Department of Mechanical Engineering, Bharath Institute of Higher Education, Research, Tamilnadu, Chennai, India
- ^b Department of Automobile Engineering, Easwari Engineering College, Tamilnadu, Chennai, India
- ^c Department of Mechanical Engineering, Bharath Institute of Higher Education and Research, Tamilnadu, Chennai, India
- ^d Department of Mechanical Engineering, MITS, Andhra Pradesh, Madanapalle, India
- ^e Department of Mechanical Engineering, SRM Institute of Science and Technology, Ramapuram campus, Chennai, 89, India

Document Type: Article Publication Stage: Final

Source: Scopus

58) Ramirez-Asis, E.^a, Bhanot, A.^b, Jagota, V.^c, Chandra, B.^d, Hossain, M.S.^e, Pant, K.^f, Almashaqbeh, H.A.^g Smart Logistic System for Enhancing the Farmer-Customer Corridor in Smart Agriculture Sector Using Artificial Intelligence

(2022) Journal of Food Quality, 2022, art. no. 7486974, .

^a Universidad Señor de Sipán, Chiclayo, Peru

^b College of Business Adminsitration, Princess Nourah Bint Abdulrahman University, Riyadh, Saudi Arabia

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

^d Vignan's Institute of Information Technology, Andhra Pradesh, Visakhapatnam, India

^e Department of Marketing, Hajee Mohammad Danesh Science and Technology University, Dinajpur, Bangladesh

f Department of Biotechnology, Graphic Era Deemed to Be University, Uttarakhand, Dehradun, India

Document Type: Article **Publication Stage:** Final

Source: Scopus

59) Rosaline, I.^a , Kumar, A.^b , Upadhyay, P.^c , Murshed, A.H.^d

Four Element MIMO Antenna Systems with Decoupling Lines for High-Speed 5G Wireless Data Communication (2022) International Journal of Antennas and Propagation, 2022, art. no. 9078929,

- ^b Department of Electronics and Communication Engineering, Visvesvaraya National Institute of Technology, Nagpur, India
- ^c Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, India
- ^d Chittagong University of Engineering & Technology, Chittagong, Bangladesh

Document Type: Article **Publication Stage:** Final

Source: Scopus

60) Varma, N.M.K.^a, Padmanabha Reddy, Y.C.A.^b, Rajesh Kumar Reddy, C.^a **Performance Analysis of Machine Learning Algorithms for Website Anti-phishing**(2022) Lecture Notes on Data Engineering and Communications Technologies, 111, pp. 205-213.

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

Document Type: Book Chapter **Publication Stage:** Final

Source: Scopus

61) Krishna, R. a b c , Colak, I. b

Advances in Biomedical Applications of Raman Microscopy and Data Processing: A Mini Review (2022) *Analytical Letters*,

- ^a Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Andhra Pradesh, Madanapalle, India
- ^b Electrical and Electronics Engineering, Nisantasi University, Istanbul, Turkey
- ^c Ohm Janki Biotech Research Private Limited, India

Document Type: Review

Publication Stage: Article in Press

Source: Scopus

62) Wang, Y.^a, Jagota, V.^b, Makhatha, M.E.^c, Kumar, P.^c

Vibration signal acquisition and computer simulation detection of mechanical equipment failure (2022) *Nonlinear Engineering*, 11 (1), pp. 207-214.

Document Type: Article **Publication Stage:** Final

Source: Scopus

63) Hanief Kohli, A.a, Hanief, M.a, Jagota, V.b

A retrospection of the effect of nitriding processes on the AISI H13 tool steel (2022) Advances in Materials and Processing Technologies, .

Document Type: Review

^g Abu Dhabi University, Abu Dhabi, United Arab Emirates

^a Department of Ece, Ramaiah Institute of Technology, Bangalore, India

^b Department of CSE, B V Raju Institute of Technology, Telangana,, Narsapur, India

^a School of Transportation, Xinxiang Institute of Vocational Technology, Henan, Xinxiang, 453000, China

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

^c Department of Engineering Metallurgy, University of Johannesburg, Johannesburg, South Africa

^a Department of Mechanical Engineering, National Institute of Technology, Jammu and Kashmir, Srinagar, India

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

Publication Stage: Article in Press

Source: Scopus

⁶⁴⁾ Pushpalatha^a , Prathyusha^a , Sindhu^a , Khan, M.J.^b , Singh, I.^c , Tayal, S.^c

BER Performance using BPSK Modulation over Rayleigh and Rician Fading Channel

(2022) Proceedings - 2022 IEEE 11th International Conference on Communication Systems and Network Technologies, CSNT 2022, pp. 434-437.

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

^b Dr. A. P. J. Abdul Kalam Technical University, Department of Electronics and Communication Engineering, Uttar Pradesh, Lucknow, India

^c Sr University, Department of Electronics and Communication Engineering, Telangana, Warangal, India

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

- 65) Ramesh, P.^a , Balaji Damodhar, T.S.^b , Sathyasekar, K.^c , Vinoth, J.^d , Bharatiraja, C.^d

 Minimization of leakage current in a maximum boost control impedance source transformer-less inverter (2022) *Materials Today: Proceedings*, .
 - ^a Department of Electrical and Electronics Engineering, CMR institute of Technology, Karnataka, Bengaluru, 560037, India

^b Department of Electrical and Electronics Engineering, Madanapalle Institute of Technology and Science, Madanapalle, 517 325. India

^c Department of Electronics and Communication Engineering, Prathyusha Engineering College, Chennai, 603203, India

^d Department of Electrical and Electronics Engineering, SRM Institute of Science and Technology, Tamil Nadu, Kattankulathur, 603203, India

Document Type: Article

Publication Stage: Article in Press

Source: Scopus

- 66) Ding, N.^a, Prabhakar, P.^b, Khosla, A.^c, Jagota, V.^d, Ramirez-Asis, E.^e, Singh, B.K.^f Application of Fuzzy Immune Algorithm and Soft Computing in the Design of 2-DOF PID Controller (2022) Discrete Dynamics in Nature and Society, 2022, art. no. 5608054, .
 - ^a School of Artificial Intelligence, Zhengzhou Railway Vocational & Technical College, Zhengzhou, 450052, China
 - ^b Electrical Engineering Department, Guru Jambeshwar University of Science and Technology, Hisar, India
 - ^c EEE Department, Faculty of Engineering and Technology, Manav Rachna International Institute of Research and Studies, Faridabad, India
 - ^d Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, India
 - ^e Universidad Nacional Santiago Antunez de Mayolo, Huaraz, Peru
 - ^f Arba Minch Institute of Technology, Arba Minch University, Arba Minch, Ethiopia

Document Type: Article **Publication Stage:** Final

Source: Scopus

67) Dastagiri, S.^a , Lakshmaiah, M.V.^a , Manjunath, V.^b , Nallabala, N.K.R.^c , Ravi, N.^d , Dhanalakshmi, M.^c , Kukkambakam, C.^e , Krishnaiah, K.V.^d , Reddy, V.R.M.^f

INVESTIGATIONS on FUNCTIONAL PROPERTIES of AI 0. 8 Eu yla 0. 2-y TiO3(y = 0.01-0.04) NANOPARTICLES SYNTHESIZED by HYDROTHERMAL METHOD

(2022) Surface Review and Letters, art. no. 2250097, .

- ^a Department of Physics, Sri Krishnadevaraya University, AP, Anantapur, 515003, India
- ^b Department of Electronic Engineering, Yeungnam University, 280 Daehak-ro, Gyeongsan-si, Gyeongsangbuk-do, 38541, South Korea
- ^c Department of Physics, Madanapalle Institute of Technology and Science, AP, Madanapalle, 517325, India
- ^d Department of Physics, Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal, 518501, India
- ^e Department of Chemistry, Madanapalle Institute of Technology and Science, AP, Madanapalle, 517325, India

f School of Chemical Engineering, Yeungnam University, Gyeongsan, 38541, South Korea

Document Type: Article

Publication Stage: Article in Press

68) Singh, A.^a, Vaidya, G.^b, Jagota, V.^c, Darko, D.A.^d, Agarwal, R.K.^e, Debnath, S.^f, Potrich, E.^g Recent Advancement in Postharvest Loss Mitigation and Quality Management of Fruits and Vegetables Using Machine Learning Frameworks

(2022) Journal of Food Quality, 2022, art. no. 6447282, .

- ^a Department of Basic Science, College of Science and Theoretical Study, Dammam-Female Branch, Saudi Electronic University, Riyadh, Saudi Arabia
- ^b Department of Studies and Research in Food Technology, Davangere University, Karnataka, Davangere, India
- ^c Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Andhra Pradesh, Madanapalle, India
- ^d Institute for Environment and Sanitation Studies, University of Ghana, Accra, Ghana
- ^e Department of Food Technology, Centre for Health and Applied Sciences, Ganpat University, Gujarat, Mehsana, India
- f Department of Genetics and Plant Breeding, Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati University, Sriniketan, West Bengal, Birbhum, India
- ^g Department of Chemical Engineering, Amapá State University, AP, Macapá, Brazil

Document Type: Review Publication Stage: Final

Source: Scopus

69) Paul, S., Saiteja, B., Rajasekharan, S., Pravallika, K., Prudhvi Reddy, K.

Rayleigh Distribution-based Edge Detection in SAR Images

(2022) International Conference on Emerging Trends in Engineering and Technology, ICETET, 2022-April, .

Madanapalle Institute of Technology and Science (MITS), Electronics and Communication Engineering, Madanapalle, India

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

70) Paul, S.a, Udaysankar, D.b, Naidu, Y.b, Reddy, Y.b

Uniform Distribution of Multiple Features for Remote Sensing Optical Image Matching (2022) International Conference on Emerging Trends in Engineering and Technology, ICETET, 2022-April, .

- ^a School of Electronics Engineering (SENSE), Vellore Institute of Technology, Chennai, India
- ^b Madanapalle Institute of Technology and Science (MITS), Madanapalle, Electronics and Communication Engineering, Madanapalle, India

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

- 71) Satyanarayana Murthy, T.^a, Mohan Krishna Varma, N.^b, Roy, S.^c, Nazeer, S.^a Effective Classification of Tweets Using Machine Learning (2022) Lecture Notes in Networks and Systems, 425, pp. 439-446.
 - ^a Department of CSE, Bapatla Engineering College, Bapatla, India
 - ^b Department of CSE, Madanapalle Institute of Technology & Science, Madanapalle, India
 - ^c Department of CSE, Lenora College of Engineering, Rampachodavaram, India

Document Type: Conference Paper

Publication Stage: Final

- 72) Logesh Babu, R.^a, Gurumoorthy, S.^b, Parameshachari, B.D.^c, Christalin Nelson, S.^d, Hua, Q.^e

 End-to-End Deep Policy Feedback-Based Reinforcement Learning Method for Quantization in DNNs
 (2022) Journal of Circuits, Systems and Computers, art. no. 2250232, .
 - ^a Department of Computer Science and Engineering, Madanapalle Institute of Technology & Science, Andhra Pradesh, Chittoor, Madanapalle, 517325, India
 - ^b Department of Computer Science and Engineering, Jerusalem College of Engineering, Tamil Nadu, Chennai, 600100, India
 - ^c Department of Telecommunication Engineering, GSSS Institute of Engineering and Technology for Women, Karnataka, Mysuru, 570011, India
 - ^d Department of Systemics Cluster, School of Computer Science, University of Petroleum and Energy Studies (UPES),

Uttarakhand, Dehradun, 248007, India

^e School of Computer, Hubei University of Arts and Science, Hubei, Xiangyang, 441000, China

Document Type: Article

Publication Stage: Article in Press

Source: Scopus

73) Tripathi, S.K.^a, Joshi, A.M.^b

Sub-10 pA/V Transconductance Amplifier Using 0.9 V, 32 nm Carbon Nanotube Field Effect Transistor (2022) *Journal of Circuits, Systems and Computers*, art. no. 2220002,

^a Department Of Electronics & Communication Engineering, Madanapalle Institute Of Technology & Science, Chittoor, Madanapalle, India

Document Type: Article

Publication Stage: Article in Press

Source: Scopus

74) Anamalamudi, K., Maddipatla, L., Yenuganti, H.

SmarTy: An Intelligent Voice Response System Model for Indian Local Languages (2022) 2022 6th International Conference on Trends in Electronics and Informatics, ICOEI 2022 - Proceedings, pp. 362-366

Madanapalle Institute of Technology & Science, Department of CSE, Madanapalle, India

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

75) Arulkumar, K.^a, Vaigundamoorthy, M.^a, Prabaharan, N.^b, Subramaniam, U.^c
Impact of the flipped classroom approach in engineering education: A course analysis
(2022) *Journal of Engineering Education Transformations*, 35 (4), pp. 23-30.

Document Type: Article **Publication Stage:** Final

Source: Scopus

76) Baruah, S. a b c, Borah, J. Bora, J. b, Maity, S. d

Optical modelling of a GaAs/GaSb core—shell cone-topped octagonal-faced nanopillar array with periodic trapezoidal textured cut for high photon trapping efficiency (2022) Journal of Computational Electronics, .

Document Type: Article

Publication Stage: Article in Press

Source: Scopus

77) Bardhan Roy, A.

Optical studies and validation of multidimensional hybrid metamaterial embedded light trapping structure for p-Si/n-ZnO based thin c-Si solar cell

(2022) Materials Research Innovations, .

Department of Electrical and Electronics Engineering, Madanapalle Institute of Technology Science, Madanapalle, India

^b Department Of Electronics & Communication Engineering, Malaviya National Institute Of Technology, Jaipur, India

^a Department of Electrical & Electronics Engineering, Madanapalle Institute of Technology & Science, Madanapalle, India ^b School of Electrical & Electronics Engineering, Department of EEE, SASTRA Deemed University, Tamilnadu, Thanjavur, India

^c Electrical Engineering, Prince Sultan University, Riyadh, 11586, Saudi Arabia

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

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

^c Centre of Excellence for Green Energy and Sensor Systems, Indian Institute of Engineering Science and Technology, Shibpur, Howrah, India

^d School of Advanced Materials Green Energy and Sensor Systems, Indian Institute of Engineering Science and Technology, Shibpur, Howrah, 711103, India

Document Type: Article

Publication Stage: Article in Press

Source: Scopus

78) Verma, N.^a , Jagota, V.^b , Alimuddin^c , Alguno, A.C.^d , Rakhra, M.^e , Chanthirasekaran, K.^f , Dugbakie, B.N.^g Morphological, Structural, and Optical Properties of Doped/Codoped ZnO Nanocrystals Film Prepared by Spin **Coating Technique and Their Gas Sensing Application** (2022) Journal of Nanomaterials, 2022, art. no. 6250706, .

Document Type: Article Publication Stage: Final

Source: Scopus

79) Verma, N.^a , Jagota, V.^b , Alguno, A.C.^c , Alimuddin^d , Rakhra, M.^e , Kumar, P.^f , Dugbakie, B.N.^g Characterization of Fabricated Gold-Doped ZnO Nanospheres and Their Use as a Photocatalyst in the Degradation of DR-31 Dye

(2022) Journal of Nanomaterials, 2022, art. no. 7532332, . Cited 1 time.

Document Type: Article Publication Stage: Final

Source: Scopus

80) Mageshkumar, N.a, Vijayaraj, A.b, Arunpriya, N.c, Sangeetha, A.d Efficient spam filtering through intelligent text modification detection using machine learning (2022) Materials Today: Proceedings, .

Document Type: Article

Publication Stage: Article in Press

Source: Scopus

81) Jairath, K.^a , Singh, N.^b , Shabaz, M.^c , Jagota, V.^d , Singh, B.K.^e

Performance Analysis of Metamaterial-Inspired Structure Loaded Antennas for Narrow Range Wireless Communication

(2022) Scientific Programming, 2022, art. no. 7940319, .

^a Department of Physics, Kharaiti Ram Mahindru DAV College, Punjab, Nakodar, India

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

^c Physical Sciences Section, School of Sciences, Maulana Azad National Urdu University, Telangana, Hyderabad, 500032.

^d Department of Physics, Mindanao State University-Iligan Institute of Technology, Tibanga Highway, Iligan City, 9200, **Philippines**

e Department of Computer Science and Engineering, Lovely Professional University, Punjab, Phagwara, 14411, India

f Department of ECE, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai,

⁹ Department of Chemical Engineering, Kwame Nkrumah University of Science and Technology, KNUST, Ghana

^a Department of Physics, Kharaiti Ram Mahindru DAV College, Punjab, Nakodar, India

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

^c Department of Physics, Mindanao State University-Iligan Institute of Technology, Tibanga Highway, Iligan City, 9200, **Philippines**

^d Physical Sciences Section, School of Sciences, Maulana Azad National Urdu University, Telangana, Hyderabad, 500032,

e Department of Computer Science and Engineering, Lovely Professional University, Punjab, Phagwara, 14411, India

f Department of Engineering Metallurgy, University of Johannesburg, South Africa

⁹ Department of Chemical Engineering, Kwame Nkrumah University of Science and Technology (KNUST), Ghana

^a Department of Computer Science and Technology, Madanapalle Institute of Technology and Science, Madanapalle, Chittor, 517 325, India

^b Department of Information Technology Vignan's Foundation for Science, Technology & Research (Deemed to be University) Vadlamudi, Andhra Pradesh 522213, Guntur, India

^c Department of Electronics Communication and Engineering, Panimalar Engineering College, Chennai, 600123, India

^d Department of Computer Science and Engineering, MLR Institute of Technology, Hyderabad, India

^a Department of Applied Science, Ikgptu, Punjab, Kapurthala, India

^b Department of Applied Science, Acet, Punjab, Amritsar, India

^c Model Institute of Engineering and Technology, Jammu and Kashmir, Jammu, India

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

^e Arba Minch Institute of Technology, Arba Minch University, Arba Minch, Ethiopia

Document Type: Review **Publication Stage:** Final

Source: Scopus

82) Narasimha Murthy, K.V.a, Kishore Kumar, G.b

Distribution and Prediction of Monsoon Rainfall in Homogeneous Regions of India: A Stochastic Approach (2022) *Pure and Applied Geophysics*,

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

Document Type: Article

Publication Stage: Article in Press

Source: Scopus

83) Sunitha, P.^a, Ahmad, N.^a, Barbhuiya, R.K.^b, Gunjan, V.K.^c, Ansari, M.D.^d Impact of Covid-19 on Education (2022) Lecture Notes in Electrical Engineering, 828, pp. 1191-1197.

- ^a Department of Computer Applications, Madanapalle Institute of Technology and Science, A.P., Madanapalle, India
- ^b Central Institute of Educational Technology, NCERT, New Delhi, India
- ^c CMR Institute of Technology, Telangana, Hyderabad, India
- ^d CMR College of Engineering and Technology, Telangana, Hyderabad, India

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

- 84) Chinnasamy, S.^a, Naveen, J.^b, Alphonse, P.J.A.^c, Dhasarathan, C.^d, Sambasivam, G.^e Energy-Aware Multilevel Clustering Scheme for Underwater Wireless Sensor Networks (2022) IEEE Access, 10, pp. 55868-55875.
 - ^a Madanapalle Institute Of Technology And Science, Madanapalle, 517325, India
 - ^b Christ (Deemed To Be University), Department Of Computer Science And Engineering, Bengaluru, 560060, India
 - ^c National Institute Of Technology At Tiruchirappalli, Department Of Computer Applications, Tiruchirappalli, 620015, India
 - ^d Thapar Institute Of Engineering And Technology, Department Of Computer Science And Engineering, Punjab, Patiala, 147004, India
 - ^e Isbat University, Faculty Of Information And Communication Technology, Kampala, Uganda

Document Type: Article Publication Stage: Final

Source: Scopus

85) Pai, R.Y.^a, Gopal, S.^a, Padma, S.^b, Srivastava, S.^c
Analyzing How E-Learning and Virtual Reality could be Integrated to Enhance Studies (2022) ECS Transactions, 107 (1), pp. 13163-13173.

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

86) Muhiuddin, G.^a, Al-Kadi, D.^b, Mahboob, A.^c, Assiry, A.^d, Alsubhi, A.^a **Generalizations of Fuzzy q-Ideals of BCI -Algebras** (2022) *Journal of Mathematics*, 2022, art. no. 2388199, .

^b Department of Atmospheric and Space Sciences, Savitribai Phule Pune University, Pune, 411007, India

^a Department of Commerce, Manipal Academy of Higher Education MAHE Manipal, India

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

^c School of Management, World University of Design, Haryana, Sonipat, India

^a Department of Mathematics, Faculty of Science, University of Tabuk, P.O. Box 741, Tabuk, 71491, Saudi Arabia

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

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

^d Department of Mathematical Sciences, College of Applied Science, Umm Al-Qura University, Makkah, 21955, Saudi

Document Type: Article **Publication Stage:** Final

Source: Scopus

87) Das, A.a , Barrenkala, D.b , Debnath, K.c , Kumar, P.d , Rajan, R.a , Patel, S.K.b

Comparative assessments of machining forces in 3D printed polymer composite during milling operation using two coated carbide end mills

(2022) Materials Today: Proceedings, 62 (P10), pp. 6107-6114.

- ^a Department of Mechanical Engg, DIT University, Uttarakhand, Dehradun, India
- ^b Department of Mechanical Engg, NIT Rourkela, India
- ^c Department of Mechanical Engg, NIT Meghalaya, India
- ^d Department of Mechanical Engg, MITS Madanapalle, India

Document Type: Article **Publication Stage:** Final **Source:** Scopus

88) Rajan, R.^a, Tyagi, Y.K.^a, Das, A.^a, Kumar, P.^b, Kumar Patel, S.^c

Development and analysis of friction characteristics of coir fiber added organic brake pad composite (2022) *Materials Today: Proceedings*, 62 (P10), pp. 6077-6082.

- ^a Department of Mechanical Engineering, DIT University, Uttarakhand, Dehradun, 248009, India
- ^b Department of Mechanical Engineering, MITS, Andhra Pradesh, Madanapalle, 517325, India
- ^c Department of Mechanical Engineering, NIT Rourkela, Odisha769008, India

Document Type: Article **Publication Stage:** Final

Source: Scopus

89) Shankar, R.a, Raghava Raman, V.V.b, Rane, K.P.c, Sarojini, B.K.d, Neware, R.e

An Investigation of the MIMO Space Time Block Code Based Selective Decode and Forward Relaying Network over η - μ Fading Channel Conditions

(2022) Journal of Telecommunications and Information Technology, 2022 (1), pp. 79-92.

- ^a Madanapalle Institute of Technology and Science, Andhra Pradesh517325, India
- ^b Department of Computer Science Aurora's Degree and PG College, Chikkadapally, Hyderabad, India
- ^c Department of Electronics and Communication K L University, Hyderabad, India
- ^d Department of ECE Basaveshwar Engineering College, Karnataka, Bagalkot, 587103, India
- ^e Høgskulen på Vestlandet Bergen, Norway

Document Type: Article Publication Stage: Final

Source: Scopus

90) Patra, J.P.^a, Pradhan, B.B.^a, Singh, P.^b

A DFT-based Low Complexity LMMSE Channel Estimation Technique for OFDM Systems (2022) *Journal of Telecommunications and Information Technology*, 2022 (1), pp. 72-78.

- ^a Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, India
- ^b National Institute of Technology, Odisha, Rourkela, India

Document Type: Article **Publication Stage:** Final

Source: Scopus

91) Priya, G.S. a , Sai, G. a , Gowthami b , Singh, I. c , Tayal, S. c , Khan, M.J. d

Analysis of Bit Error Rate for Multi-user TDMA-based Communication System (2022) 2022 1st International Conference on Electrical, Electronics, Information and Communication Technologies, ICEEICT

(2022) 2022 1st International Conference on Electrical, Electronics, Information and Communication Technologies, ICEEICT 2022, .

^a Madanapalle Institute of Technology and Sciences, Department of Ece, Andhra Pradesh, Madanapalle, 18691, India

^b Madanapalle Institute of Technology and Sciences, Andhra Pradesh, Madanapalle, India

^c Sr University, Department of Electronics and Communication Engineering, Telangana, Warangal, India

^d Dr. A.P.J. Abdul Kalam Technical University, Department of Electronics and Communication Engineering, Uttar Pradesh, Lucknow, India

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

92) Thangasamy, V.^a, Singh, I.^b, Karishma^a, Yaswanth^a, Sai, J.^a

Analysis of Capacity and Outage Probability for NOMA based Cellular Communication over Rician Fading Channel (2022) 2022 1st International Conference on Electrical, Electronics, Information and Communication Technologies, ICEEICT 2022, .

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

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

93) Bojjagani, S.^a, Denslin Brabin, D.R.^b, Saravanan, K.^b

Early DDoS Detection and Prevention with Traced-Back Blocking in SDN Environment (2022) Intelligent Automation and Soft Computing, 34 (2), pp. 805-819.

- ^a Department of Computer Science and Engineering, School of Engineering and Applied Sciences (SEAS), SRM University-AP, Andhra Pradesh, Amaravati, 522503, India
- ^b Department of Computer Science and Engineering, Madanapalle Institute of Technology & Science, Andhra Pradesh, Chittoor, 517325, India

Document Type: Article Publication Stage: Final

Source: Scopus

- 94) Muhiuddin, G.^a , Alanazi, A.M.^a , Mahboob, A.^b , Alkhaldi, A.H.^c , Alatwai, W.^a A Novel Study of Graphs Based on m-Polar Cubic Structures (2022) Journal of Function Spaces, 2022, art. no. 2643575, . Cited 1 time.
 - ^a Department of Mathematics, Faculty of Science, University of Tabuk, P.O. Box 741, Tabuk, 71491, Saudi Arabia
 - ^b Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India
 - ^c Department of Mathematics, College of Science, King Khalid University, P.O. Box 9004, Abha, Saudi Arabia

Document Type: Article Publication Stage: Final

Source: Scopus

- 95) Malik, A.a, Vaidya, G.b, Jagota, V.c, Eswaran, S.d, Sirohi, A.a, Batra, I.a, Rakhra, M.a, Asenso, E.e Design and Evaluation of a Hybrid Technique for Detecting Sunflower Leaf Disease Using Deep Learning Approach (2022) Journal of Food Quality, 2022, art. no. 9211700, . Cited 2 times.
 - ^a Department of Computer Science and Engineering, Lovely Professional University, Punjab144411, India
 - ^b Department of Studies in Food Technology, Davangere University, Karnataka, India
 - ^c Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Madanapalle, India
 - ^d Department of Agricultural Extension, Amrita School of Agricultural Sciences, Amrita Vishwa Vidyapeetham University, Coimbatore, 642109, India
 - e Department of Agricultural Engineering, School of Engineering Sciences, University of Ghana, Accra, Ghana

Document Type: Article Publication Stage: Final

Source: Scopus

96) Zhang, S.a, Srividya, K.b, Kakaravada, I.b, Karras, D.A.c, Jagota, V.d, Hasan, I.e, Rahmani, A.W.f A Global Optimization Algorithm for Intelligent Electromechanical Control System with Improved Filling Function (2022) Scientific Programming, 2022, art. no. 3361027, . Cited 5 times.

^b Sr University, Department of Electronics and Communication Engineering, Telangana, Warangal, India

^a Institute Of Applied Mathematics, Jiaozuo Normal College, Henan, Jiaozuo, 454000, China

^b Department Of Mechanical Engineering, Prasad V. Potluri Siddhartha Institute Of Technology, Andhra Pradesh,

Vijayawada, India

- ^c National And Kapodistrian University Of Athens (NKUA), School Of Science, Dept. General, Athens, Greece
- ^d Mechanical Engineering Department, Madanapalle Institute Of Technology And Science, AP, Madanapalle, India
- ^e Acs College Of Engineering, Karnataka, Bangalore, India
- f Isteqlal Institute Of Higher Education, Kabul, Afghanistan

Document Type: Article Publication Stage: Final

Source: Scopus

97) Jiang, D.Y.^a, Zhang, H.^a, Kumar, H.^b, Naveed, Q.N.^c, Takhi, C.^d, Jagota, V.^e, Jain, R.^f Automatic Control Model of Power Information System Access Based on Artificial Intelligence Technology (2022) Mathematical Problems in Engineering, 2022, art. no. 5677634, . Cited 3 times.

- ^a Yancheng Institute Of Technology, Jiangsu, Yancheng, 224007, China
- ^b Noida International University, Noida, India
- ^c College Of Computer Science King Khalid University, Abha, Saudi Arabia
- ^d Ik Gujral Punjab Technical University, Punjab, Kapurthala, India
- e Department Of Mechanical Engineering, Madanapalle Institute Of Technology And Science, Andhra Pradesh, Madanapalle, India
- ^f Department Of Electrical And Computer Engineering, Wollega University, Nekemte, Ethiopia

Document Type: Article Publication Stage: Final

Source: Scopus

98) Gopan, G.^a, Hauchhum, L.^a, Pattanayak, S.^b, Kalita, P.^c, Krishnan, R.^a

Prediction of species concentration in syngas produced through gasification of different bamboo biomasses: a numerical approach

(2022) International Journal of Energy and Environmental Engineering, .

- ^a Department of Mechanical Engineering, National Institute of Technology Mizoram, Mizoram, 796012, India
- ^b Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapally, 517325, India
- ^c Centre for Energy, Indian Institute of Technology Guwahati, Assam, 781039, India

Document Type: Article

Publication Stage: Article in Press

Source: Scopus

99) Majumder, S.^a, Deb Barma, M.K.^a, Saha, A.^a, B. Roy, A.^b

Silent Listening to Detect False Data Injection Attack and Recognize the Attacker in Smart Car Platooning (2022) Studies in Computational Intelligence, 1033, pp. 145-165.

- ^a National Institute of Technology Agartala, Agartala, India
- ^b Madanapalle Institute of Technology and Science, Madanapalle, India

Document Type: Book Chapter Publication Stage: Final

Source: Scopus

100) Alex, S.^a, Satheesh, N.^a, Vanitha, K.^b, Shenbagavalli, P.^c

Data Analytics and Visualisation Using Tableau on Prevalence of Alcoholic Drinks and Tobacco Products Among Young People in India

(2022) Lecture Notes in Networks and Systems, 385, pp. 245-261.

- ^a Department of Computer Science and Engineering (Data Science), Jain Deemed to be University, Karnataka, Bengaluru,
- ^b Department of Computer Science and Engineering, Madanapalle Institute of Technology and Science, Andhrapradesh, Madanapalle, India
- ^c Department of Computer Science and Engineering, M.P.Nachimuthu M.Jaganathan Engineering College, Tamilnadu, Erode, India

Document Type: Conference Paper

Publication Stage: Final

101) Kale, S.^a , Latha, N.K.H.^b , Bramhane, L.K.^c

Design and Proposal of Double Pocket Schottky Barrier TFET with Dielectric Modulation for Biosensors **Applications**

(2022) Silicon, .

Document Type: Article

Publication Stage: Article in Press

Source: Scopus

102) Muhiuddin, G. a , Pramanik, T. b , Alanazi, A.M. a , Mahboob, A. c , Pal, M. d Independent Fuzzy Graph: A New Approach

(2022) Proceedings of the National Academy of Sciences India Section A - Physical Sciences,

- ^a Department of Mathematics, University of Tabuk, Tabuk, 71491, Saudi Arabia
- ^b Department of Mathematics, Khanpur Gangche High School, Khanpur, Pandua, Paschim Medinipur, 721201, India
- ^c Department of Mathematics, Madanapalle Institute of Technology and Science, Angallu, Madanapalle, 517325, India
- ^d Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India

Document Type: Article

Publication Stage: Article in Press

Source: Scopus

103) Adigopula, V.K.^a , Bogireddy, C.^b , Guzzarlapudi, S.D.^c

Comparison of Overlay Design in Between Lightweight Deflectometer and Benkelman Beam Deflection Test Results: A Case Study in India

(2022) Lecture Notes in Civil Engineering, 230 LNCE, pp. 175-182.

- ^a Department of Civil Engineering, Madanapalle Institute of Technology and Science, Andhra Pradesh, Angallu, India
- ^b Department of Civil Engineering, Vardhaman College of Engineering, Telangana, Hyderabad, India
- ^c Department of Civil Engineering, National Institute of Technology, Raipur, India

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

104) Madhavi, S.^a , Prasad, V.R.^b , Gaffar, S.A.^c

Polymeric Dissipative Convection Flow from an Inclined Plane with Chemical Reaction: Numerical Study (2022) Journal of Applied and Computational Mechanics, 8 (2), pp. 416-428.

Document Type: Article Publication Stage: Final

Source: Scopus

105) Saha, S.^a, Das, A.N.^b

Non-symmetric indentation of an elastic half-plane

(2022) Mathematics and Mechanics of Solids, .

Document Type: Article

Publication Stage: Article in Press

Source: Scopus

106) Lu, W.a, Vivekananda, G.N.b, Shanthini, A.c

Supervision system of english online teaching based on machine learning

^a Department of Electronics and Communication Engineering, Delhi Technological University, Delhi, 110042, India

^b Department of Electronics and Communication Engineering, Madanapalle Institute of Technology & Science, AP, Madanapalle, 517325, India

^c Department of Electronics and Communication Engineering, National Institute of Technology, Goa, Ponda, 403401, India

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

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

^c Salalah College of Technology, Department of Information Technology, Mathematics Section, Salalah, 211, Oman

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

^b Department of Mathematics, Alipurduar University, Alipurduar, India

(2022) Progress in Artificial Intelligence, . Cited 2 times.

Document Type: Article

Publication Stage: Article in Press

Source: Scopus

107) Swaminathan, J.N.^a , Rameshkumar, R.^b , Vidyasagar, I.^c , Divya, I.^d , Navaneethakrishnan, R.^e **Analysis of ECG Signal Processing for Smart Medical Technologies** (2022) Lecture Notes in Networks and Systems, 314, pp. 505-512.

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

108) Katiyar, J.K.^a , Rao, T.V.V.L.N.^b Impact of Tribology on society

(2022) Tribology - Materials, Surfaces and Interfaces, 16 (1), p. 1. Cited 1 time.

Document Type: Editorial Publication Stage: Final

Source: Scopus

109) Shankar, R.a, Ramana, T.V.b, Singh, P.c, Gupta, S.d, Mehraj, H.e

Examination of the Non-Orthogonal Multiple Access System Using Long Short Memory Based Deep Neural Network

(2022) Journal of Mobile Multimedia, 18 (2), pp. 451-474. Cited 1 time.

Document Type: Article Publication Stage: Final

Source: Scopus

110) Shankar, A.a, Dayalan, R.b, Chakraborty, C.c, Dhasarathan, C.d, Kumar, M.e A modified social spider algorithm for an efficient data dissemination in VANET (2022) Environment, Development and Sustainability, .

Document Type: Article

Publication Stage: Article in Press

^a College of Foreign Studies, Guilin University of Electronic Technology, Guangxi, Guilin, 541004, China

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

^c Department of Information Technology, College of Engineering and Technology, SRM Institute of Science and Technology, Tamil Nadu, Chennai, 603203, India

^a QIS College of Engineering & Technology, Andhra Pradesh, Ongole, 523272, India

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

^c Rise Krishna Sai Gandhi Group of Institutions, Andhra Pradesh, Ongole, India

^d Geethanjali Institute of Science and Technology, Andhra Pradesh, Nellore, India

^e Kumaraguru College of Technology, Tamilnadu, Coimbatore, India

^a Department of Mechanical Engineering, SRM Institute of Science and Technology, Chennai, India

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

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

^b Chitkara University school of Engineering and Technology, Chitkara University, Himachal Pradesh, India

^c UIET, CSJM University, Kanpur, India

^d JECRC University, Rajasthan, Jaipur, India

^e Baba Ghulam Shah Badshah University, Rajouri J&K, India

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

^b Department of Computer Science & Engineering, Pondicherry University, Puducherry, India

^c Department of CSE, Birla Institute of Technology, Jharkhand, India

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

e Department of Computer Science and Engineering, VIT Deemed To University, Chennai, India

Shankernath, V.a, Naidu, K.L.b, Krishna, M.G.c, Padmanabhan, K.A.d

Growth and properties of nanocrystalline TiN-amorphous Si3N4 composite thin films deposited on IN718 and phynox alloy substrates

(2022) Applied Physics A: Materials Science and Processing, 128 (1), art. no. 79, .

Document Type: Article Publication Stage: Final

Source: Scopus

112) Shaik, B.^a , Gowd, G.H.^b , Prasad, B.D.^c , Ali, P.S.^a Investigations on Microstructures by Using Friction Stir Processing (2022) Smart Innovation, Systems and Technologies, 265, pp. 539-548.

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

113) Veningston, K.^a , Rao, P.V.V.^b , Selvan, C.^c , Ronalda, M.^b Investigation on Customer Churn Prediction Using Machine Learning Techniques (2022) Lecture Notes in Networks and Systems, 287, pp. 109-119. Cited 1 time.

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

114) Nidhya, R. a, Kumar, M. b, Shankar, A. c, Mala, S. d, Thakur, S. c, Cheng, X. d

Remodeled chaotic compressive sensing scheme for secure and energy-efficient data forwarding in body-to-body network

(2022) Computers and Electrical Engineering, 97, art. no. 107633, .

Document Type: Article Publication Stage: Final

Source: Scopus

115) Karthik, C.^a , Nagamani, G.^a , Subramaniyam, R.^b , Dafik^c
Robust stabilization of T-S fuzzy systems via improved integral inequality

(2022) Soft Computing, 26 (1), pp. 349-360. Cited 1 time.

Document Type: Article **Publication Stage: Final**

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

^b Department of Physics, GIS, GITAM (Deemed To Be University), Visakhapatnam, 530045, India

^c Centre for Advanced Studies in Electronics Science and Technology, School of Physics, University of Hyderabad, Hyderabad, 500046, India

^d Department of Mechanical Engineering, Materials Science and Engineering Programme, Anna University, Chennai, 600025, India

^a Department of Mechanical Engineering, Ramachandra College of Engineering, Eluru, 534007, India

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

^c Department of Mechanical Engineering, JNTUA, A.P., Ananthapuramu, 515002, India

^a Department of Computer Science and Engineering, National Institute of Technology, Jammu and Kashmir, Srinagar, 190006. India

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

^c Department of Computer Applications, National Institute of Technology, Tamil Nadu, Tiruchirappalli, 620015, India

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

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

^c Department of Computer Science, ASET, Amity University, Noida, Uttar Pradesh, India

^d Department of Computer Communications, Middlesex University, London, United Kingdom

^a Department of Mathematics, The Gandhigram Rural Institute (Deemed to be University), Tamil Nadu, Dindigul, India

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

^c Department of Mathematics Education, University of Jember, Jember, 68121, Indonesia

116) Sivaiah, P.^a , Singh, M.^a , Chengal Reddy, V.^b , Meghashyam, P.^a Processing of 17-4 PH steel in turning operation with hybrid textured tools (2022) Materials and Manufacturing Processes, 37 (3), pp. 241-250.

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

Document Type: Article Publication Stage: Final

Source: Scopus

117) Talukdar, B.a, Kumar, D.b, Hoque, S.c, Arif, W.a

Estimation based cyclostationary detection for energy harvesting cooperative cognitive radio network (2022) Telecommunication Systems, 79 (1), pp. 133-150.

- ^a Department of Electronics and Communication Engineering, National Institute of Technology Silchar, Silchar, India
- ^b Department of Electrical and Electronics Engineering, Indian Institute of Technology Indore, Indore, India
- ^c Department of Electronics and Communication Engineering, Madanapalle Institute of Technology & Science, Madanapalle, India

Document Type: Article Publication Stage: Final Source: Scopus

118) Sivaiah, P.^a , Singh, M.M.^a , Chengal Reddy, V.^b
Effect of single and hybrid pattern textured tools on turning process performance (2022) Materials and Manufacturing Processes, 37 (3), pp. 251-259.

- ^a Department of Mechanical Engineering, Madanapalle Institute of Technology Science, Madanapalle, India
- ^b Department of Mechanical Engineering, Chadalawada Ramanamma Engineering College, Tirupati, India

Document Type: Article Publication Stage: Final

Source: Scopus

119) Subramanian, K.a, Ramasubramanian, S.b, Selvam, B.c, Rajaram, P.c Investigations on effectiveness of transfer layer on specific wear rate and coefficient of friction during dry sliding of hybrid polymer matrix composites

(2022) Polymer Composites, 43 (1), pp. 250-266.

- ^a Department of Mechanical Engineering, Sudharsan Engineering College, Tamil Nadu, Pudukkottai, India
- ^b Department of Mechanical Engineering, Alagappa Chettiyar Government College of Engineering and Technology, Tamil Nadu, Karaikudi, India
- ^c Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Andhra Pradesh, Madanapalle, India

Document Type: Article Publication Stage: Final

Source: Scopus

120) Dharek, M.S.^a, Sreekeshava, K.S.^b, Vengala, J.^c, Pramod, K.^d, Sunagar, P.^e, Shivaprakash, M.V.^f Experimental Investigations on Utilization of Bagasse Ash in Adobe Bricks (2022) Lecture Notes in Civil Engineering, 162, pp. 487-496. Cited 1 time.

- ^a Department of Civil Engineering, BMS College of Engineering Bengaluru, Bengaluru, India
- ^b Department of Civil Engineering, Jyothy Institute of Technology, Bengaluru, India
- ^c Department of Civil Engineering, PVP Siddhartha Institute of Technology, Vijayawada, India
- ^d Ionidea Educational Software private limited, Bengaluru, India
- e Department of Civil Engineering, Ramaiah Institute of Technology, Bengaluru, India

f Department of Civil Engineering, MITS, Madanpalle, India

Document Type: Conference Paper

Publication Stage: Final

^b Department of Mechanical Engineering, Chadalawada Ramanamma Engineering College, Andhra Pradesh, Tirupati, India

- 121) Shwetha, G.^{a b}, Chandra, S.^b, Chandra Shekar, N.V.^c, Kalavathi, S.^c **Existence of spin-polarized Dirac cone in Sc2CrB6: A DFT study**(2022) *Physica B: Condensed Matter*, 624, art. no. 413369, . Cited 1 time.
 - ^a Madanapalle Institute of Technology and Science, Madanapalle, 517325, ChittoorAndhra Pradesh, India
 - ^b Materials Physics Division, Material Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu 603102, India
 - ^c Condensed Matter Physics Division, Material Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu 603102, India

Document Type: Article **Publication Stage:** Final

Source: Scopus

122) Kumar, R.^{a b}, Sahoo, S.^c, Joanni, E.^d, Singh, R.K.^e, Tan, W.K.^f, Moshkalev, S.A.^g, Matsuda, A.^b, Kar, K.K.^{a h} Heteroatom doping of 2D graphene materials for electromagnetic interference shielding: a review of recent progress

(2022) Critical Reviews in Solid State and Materials Sciences, 47 (4), pp. 570-619. Cited 7 times.

- ^a Advanced Nanoengineering Materials Laboratory, Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur, India
- ^b Department of Electrical and Electronic Information Engineering, Toyohashi University of Technology, Aichi, Toyohashi, Japan
- ^c Department of Chemistry, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, India
- ^d Centre for Information Technology Renato Archer (CTI), Campinas, Brazil
- ^e School of Physical and Material Sciences, Central University of Himachal Pradesh (CUHP), Himachal Pradesh, Kangra, India
- f Institute of Liberal Arts and Sciences, Toyohashi University of Technology, Aichi, Toyohashi, Japan
- ⁹ Centre for Semiconductor Components and Nanotechnology (CCS Nano), University of Campinas (UNICAMP), Campinas, Sao Paulo, Brazil
- ^h Advanced Nanoengineering Materials Laboratory, Materials Science Programme, Indian Institute of Technology Kanpur, Kanpur, India

Document Type: Review **Publication Stage:** Final

Source: Scopus

123) Sivaiah, P.^a, Venkata Ajay kumar, G.^b, Lakshmi Narasimhamu, K.^c, Siva Balaji, N.^a

Performance improvement of turning operation during processing of AISI 304 with novel textured tools under

minimum quantity lubrication using hybrid optimization technique

(2022) Materials and Manufacturing Processes, 37 (6), pp. 693-700. Cited 2 times.

- ^a Department of Mechanical Engineering, Madanapalle Institute of Technology Science, Andhra Pradesh, Madanapalle, India
- ^b Department of Mechanical Engineering, Annamacharya Institute of Technology and Sciences, Rajampet, India
- ^c Department of Mechanical Engineering, Sree Vidyanikethan Engineering College, Andhra Pradesh, Tirupathi, India

Document Type: Article **Publication Stage:** Final

Source: Scopus

124) Shanmukhasundaram, V.R.^a , Rao, Y.V.D.^b , Regalla, S.P.^b

Topological Analysis of Epicyclic Gear Trains—Symmetry and Redundancy

(2022) Lecture Notes in Mechanical Engineering, pp. 1231-1242.

- ^a Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh, India
- ^b Department of Mechanical Engineering, BITS PILANI, Hyderabad Campus, Secunderabad, Telangana, 500078, India

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

125) Mahboob, A.a, Khan, N.M.b

(m, n)-HYPERFILTERS IN ORDERED SEMIHYPERGROUPS

(2022) Kragujevac Journal of Mathematics, 46 (2), pp. 307-315. Cited 4 times.

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

Document Type: Article **Publication Stage:** Final

Source: Scopus

126) Hussain, S.M.S.^a , Farooq, S.M.^b , Ustun, T.S.^a

A Security Mechanism for IEEE C37.118.2 PMU Communication

(2022) IEEE Transactions on Industrial Electronics, 69 (1), pp. 1053-1061. Cited 1 time.

^a Fukushima Renewable Energy Institute, AIST, National Institute of Advanced Industrial Science and Technology, Koriyama, Japan

Document Type: Article **Publication Stage:** Final

Source: Scopus

127) Rathinam, S.a, Bhargava, A.b

Performance study on nanoparticle/biodiesel blends in Ci engine

(2022) International Journal of Ambient Energy, 43 (1), pp. 1373-1377. Cited 1 time.

Document Type: Article **Publication Stage:** Final

Source: Scopus

128) Bhattacharya, A.^a , Roy, B.^b , Chowdhury, S.K.^c , Bhattacharjee, A.K.^a

An Isolation Enhanced, Printed, Low-Profile UWB-MIMO Antenna with Unique Dual Band-Notching Features for WLAN and WiMAX

(2022) IETE Journal of Research, 68 (1), pp. 496-503. Cited 9 times.

Document Type: Article **Publication Stage:** Final

Source: Scopus

129) Mishra, M.a b

LDPC Codes and Digital Forensics-A Perspective Approach

(2022) IETE Journal of Research, 68 (1), pp. 291-298.

Document Type: Article **Publication Stage:** Final



^b Department of Mathematics, Aligarh Muslim University, Aligarh

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

^a Department of Mechanical Engineering, Latha Mathavan Engineering College, Madurai, India

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

^a Department of Electronics and Communication Engineering, National Institute of Technology, M. G. Road, Durgapur, Durgapur, 713 209, India

^b Department of Electronics and Communication Engineering, Madanapalle Institute of Technology & Science, Andhra Pradesh, Madanapalle, 517 325, India

^c Department of Electronics and Telecommunication Engineering, Jadavpur University, R. S. C. Mallick Road, Kolkata, 700 032, India

^a Department of Electronics & Communication Engineering, NIT Rourkela, Odisha, India

^b Department of Electronics & Communication Engineering, Madanapalle Institute of Technology & Science, Andhra Pradesh, India