

| Title of paper | Name of the author/s | Name of journal | Year of publication | Link to article/paper /abstract of the article | Is it listed in UGC Care list |
|--|--|---|---------------------|---|-------------------------------|
| ON NUMERICAL BUCKLING ANALYSIS OF TWO-DIRECTIONAL POROUS FUNCTIONALLY GRADED BEAM USING HIGHER ORDER SHEAR DEFORMATION THEORY | Bridjesh P., Chandra Mohana Reddy G., Geetha N.K., Ravikiran Ch., Nagaraju S. | Academic Journal of Manufacturing Engineering | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159871970&partnerID=40&md5=0c78b6b9a5bc0becd0402b29f4f58258 | Yes |
| Antiproliferative Activity of New Pyrazole-4-sulfonamide Derivatives: Synthesis and Biological Evaluation | Mahesh P., Akshinthala P., Katari N.K., Gupta L.K., Panwar D., Sharma M.K., Jonnalagadda S.B., Gundla R. | ACS Omega | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165932060&doi=10.1021%2Facsomega.2c07539&partnerID=40&md5=d4b29eb9843604b45eeef3fa2f66dcd7 | Yes |
| Wear and corrosion behaviour of multiple pass friction stir processing on aluminium alloy 6061 embedding with B4C particles | Yelamasetti B., Kumar P.N., Ramana G V., Kumar Saxena K., Singh D., Kang A.S., Mohammed K.A. | Advances in Materials and Processing Technologies | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147456016&doi=10.1080%2F2374068X.2023.2171667&partnerID=40&md5=cbbe2bcacee03005df027d15fb2911e3 | Yes |
| Irreversibility analysis of cross fluid past a stretchable vertical sheet with mixture of Carboxymethyl cellulose water based hybrid nanofluid | Ali F., Arun Kumar T., Loganathan K., Reddy C.S., Ali Pasha A., Rahman M.M., Al-Farhany K. | Alexandria Engineering Journal | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137684410&doi=10.1016%2Fj.aej.2022.08.037&partnerID=40&md5=ca9e961c68c7c548b6a620eb3a60db53 | Yes |
| Differential response for multiple ions: a smart probe to construct optically tunable molecular logic systems | Karar M., Fernandes R.S., Dey N. | Analyst | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150793101&doi=10.1039%2Fd2an01945k&partnerID=40&md5=45cb2498e2fda2aebfd6a7f36174bfff8 | Yes |
| Continual Learning Approach for Continuous Data Stream Analysis in Dynamic Environments | Prasanna K., Khan M., Alshahrani S.M., Kiran A., Phanindra Kumar Reddy P., Alymani M., Chinna Babu J. | Applied Sciences (Switzerland) | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166275290&doi=10.3390%2Fapp13148004&partnerID=40&md5=71d706a3584265542e37ef596de8b60c | Yes |
| Smart Contract-Enabled Secure Sharing of Health Data for a Mobile Cloud-Based E-Health System | Chinnasamy P., Albakri A., Khan M., Raja A.A., Kiran A., Babu J.C. | Applied Sciences (Switzerland) | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151531632&doi=10.3390%2Fapp13063970&partnerID=40&md5=64bf4d246043138c36f6fd6280e8db22 | Yes |
| Evaluation of the Quality of Practical Teaching of Agricultural Higher Vocational Courses Based on BP Neural Network | Kumar M.G.V., Veena N., ?epova L., Raja M.A.M., Balaram A., Elangovan M. | Applied Sciences (Switzerland) | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146759995&doi=10.3390%2Fapp13021180&partnerID=40&md5=d23722c9ca7f39ec87d03592193dccc | Yes |

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| A context-aware improved POR protocol for Delay Tolerant networks | Balaram A., Sakthivel T., Chandan R.R. | Automatika | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133508818&doi=10.1080%2f00051144.2022.2095830&partnerID=40&md5=c0f3b1725e1d0eb20273646469e514ba | Yes |
| Mechanical and thermomechanical behaviour of agro-waste almond shell biochar filler interlaced chemically treated flax fibre vinyl ester composites | Ramraji K., Arunkumar K., Senthilkumar R., Rajesh M., Kumar A.J.P. | Biomass Conversion and Biorefinery | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170055350&doi=10.1007%2fs13399-023-04840-3&partnerID=40&md5=c4f1fd91a0b23bb1e9a09b0135bf9b73 | Yes |
| Estimation of purity of antimicrobial lead compound sulfonamide-anthranilate derivative methyl-ester-toluene-sulfonamide using LC to develop a new drug application | Deshpande G.K., Akshinthala P., Katari N.K., Deshmukh B., Kowtharapu L.P., Battula S.R., Gundla R. | Biomedical Chromatography | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158030354&doi=10.1002%2fbmc.5646&partnerID=40&md5=8c4cb5df64cbd3d2fa0178aacf8eda86 | Yes |
| Impact of titanium dioxide (TiO ₂) nanoparticles addition in Eichhornia Crassipes biodiesel used to fuel compression ignition engine at variable injection pressure | Jain A., Jyoti Bora B., Kumar R., Sharma P., Jyoti Medhi B., Ahsan Farooque A., Tirth V., Senthilkumar N., Kumar Peyyala P. | Case Studies in Thermal Engineering | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166009569&doi=10.1016%2fj.csite.2023.103295&partnerID=40&md5=45414d96a0f3ea0258c8f2bad4681167 | Yes |
| Liquid phase sintering of Nb doped SrTiO _{3-?} ceramics with enhanced thermoelectric figure of merit | S C.P., Vijay A., Jose R., Venkata Saravanan K. | Ceramics International | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150834632&doi=10.1016%2fj.ceramint.2023.03.031&partnerID=40&md5=d907d96320d61365f364dcff9e212c | Yes |
| Reactivity of Silylene with Gallium- and Boron Trihalide at Reductive Conditions Resulting in Unforeseen Products | Nazish M., Harinath A., Lüert D., Köhler C., Herbst-Irmer R., Stalke D., Roesky H.W. | Chemistry - A European Journal | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151714291&doi=10.1002%2fchem.202300310&partnerID=40&md5=33f493cab52cb1b207a9f0e6818aceed | Yes |
| Preconcentrations of Pb(II), Ni(II) and Zn(II) by solid phase bio-extractor using thermophilic Bacillus subtilis loaded multiwalled carbon nanotube biosorbent | Ozdemir S., Düandar A., Dizge N., K?l?nç E., Balakrishnan D., Prasad K.S., Senthilkumar N. | Chemosphere | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146711919&doi=10.1016%2fj.chemosphere.2023.137840&partnerID=40&md5=2b9c7d14d0e256ba068f7a6413b2d8e0 | Yes |
| Promising strategies of circular bioeconomy using heavy metal phytoremediated plants – A critical review | Iyyappan J., Baskar G., Deepanraj B., Anand A.V., Saravanan R., Awasthi M.K. | Chemosphere | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142753576&doi=10.1016%2fj.chemosphere.2022.137097&partnerID=40&md5=0a49ee99bad1969785a9a6fa0c324be | Yes |
| A review on the sustainable procurement of microalgal biomass from wastewaters for the production of biofuels | Ghaffar I., Deepanraj B., Sundar L.S., Vo D.-V.N., Saikumar A., Hussain A. | Chemosphere | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141777471&doi=10.1016%2fj.chemosphere.2022.137094&partnerID=40&md5=6710ed67dbd8734e34be4c3553cc42c8 | Yes |

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| 2,4-Dichlorophenoxyacetic acid (2,4-D) adsorptive removal by algal magnetic activated carbon nanocomposite | Vinayagam R., Ganga S., Murugesan G., Rangasamy G., Bhole R., Goveas L.C., Varadavenkatesan T., Dave N., Samanth A., Radhika Devi V., Selvaraj R. | Chemosphere | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140091220&doi=10.1016%2fj.chemosphere.2022.136883&partnerID=40&md5=595349025bdaaf575ed607b2a168fa14 | Yes |
| Valbenazine isomers and enantiomer determination by chiral normal phase liquid chromatography | Deshmukh B.R., Akshinthala P., Katari N.K., Kowtharapu L.P., Deshpande G.K., Battula S.R., Gundla R. | Chirality | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162632077&doi=10.1002%2fchir.23600&partnerID=40&md5=d00ce679ffa83068434a8a99edf62a19a | Yes |
| Real-Time Multi-Feature Approximation Model-Based Efficient Brain Tumor Classification Using Deep Learning Convolution Neural Network Model | Panyala A.R., Baskar M. | Computer Systems Science and Engineering | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172068582&doi=10.32604%2fcsse.2023.037050&partnerID=40&md5=bd64575d991142c5e1e92ce3002acce0 | Yes |
| Enhanced conditional random field-long short-term memory for name entity recognition in English texts | Bhumireddy palli V.S.R., Koppula S.R., Koppula N. | Concurrency and Computation: Practice and Experience | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147449780&doi=10.1002%2fcpce.7640&partnerID=40&md5=bcb293eedbeb3e397fb7feeff496b6 | Yes |
| Cyber security in drone technology | Kumaran T., Jaganraj R., Arunkumar K., Kirubadurai B., Backiyaraj A. | Cyber-Physical Systems and Supporting Technologies for Industrial Automation | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171497412&doi=10.4018%2f978-1-6684-9267-3.ch008&partnerID=40&md5=2e0108bad9d8ec87a895994409d0b22c | Yes |
| A Performance Analysis of an Enhanced Graded Precision Localization Algorithm for Wireless Sensor Networks | Yuvarasu M., Balaran A., Chandramohan S., Sharma D.K. | Cybernetics and Systems | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147010803&doi=10.1080%2f01969722.2023.2166709&partnerID=40&md5=7301c7f5a58f2fd43e9c895fa8b69b97 | Yes |
| Nugget zone characterization of friction stir welded hypereutectic Al-Si alloy | Prasad R., Kumar H., Kumar P., Gupta A. | Engineering Research Express | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148956300&doi=10.1088%2f2631-8695%2f2faca67&partnerID=40&md5=c34660e504a106603f96d0f2291d55c6 | Yes |
| Optimization of the anaerobic fermentation process for phosphate release using food waste | Belibagli P., Isik Z., Dizge N., Mazmanci M.A., Balakrishnan D., Shaik F., Mishra N.K. | Environmental Research | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149357565&doi=10.1016%2fj.envres.2023.115498&partnerID=40&md5=aa70191d352e1b35ea12e5f2a0f4463c | Yes |
| Green synthesis of iron oxide nanoparticles derived from water and methanol extract of Centaurea solstitialis leaves and tested for antimicrobial activity and dye decolorization capability | Isik Z., Bouchareb R., Arslan H., Özdemir S., Gonca S., Dizge N., Balakrishnan D., Prasad S.V.S. | Environmental Research | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144942661&doi=10.1016%2fj.envres.2022.115072&partnerID=40&md5=78f6d7b8044cd341f50d95a9b4c6470b | Yes |

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| Heavy metal ions and dyes removal from aqueous solution using aloevera-based biosorbent: A systematic review | Sahoo J.K., Somu P., Narayanasamy S., Sahoo S.K., Lee Y.R., Baalakrishnan D.R., RajaSekhar Reddy N.V., Rajendiran S. | Environmental Research | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141971294&doi=10.1016%2fj.envres.2022.114669&partnerID=40&md5=ecca8d8ba84daf32778ad4b33779633d | Yes |
| Preparation of hydrochar bio-based catalyst for fenton process in dye-containing wastewater treatment | Eskikaya O., Isik Z., Arslantas C., Yabalak E., Balakrishnan D., Dizge N., Rao K.S. | Environmental Research | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140099704&doi=10.1016%2fj.envres.2022.114357&partnerID=40&md5=cd5bc08ef7ab6bb52eb44515d99a876d | Yes |
| Energy, exergy and emission [3E] analysis of Mesua Ferrea seed oil biodiesel fueled diesel engine at variable injection timings | Jain A., Jyoti Bora B., Kumar R., Sharma P., Jyoti Medhi B., Venkata Rambabu G., Deepanraj B. | Fuel | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165097895&doi=10.1016%2fj.fuel.2023.129115&partnerID=40&md5=91a642cb10c47a77ede6528e62df572 | Yes |
| Application of hybrid Taguchi L16 and desirability for model prediction and optimization in assessment of the performance of a novel Water Hyacinth biodiesel run diesel engine | Jain A., Bora B.J., Kumar R., Sharma P., Deepanraj B., Irshad K., Ravikiran C. | Fuel | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147097818&doi=10.1016%2fj.fuel.2022.127377&partnerID=40&md5=257ed173fd435a8c8be52f6574ccee38 | Yes |
| Lipid bioproduction through optimization of thermal diluted acid pretreatment on native grass using Yarrowia lipolytica | Satya Sagar P., Kommoji S., Jayaraj I., Balakrishnan D., Shaik F., Vucha M., Gnanasekaran L. | Fuel | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140881819&doi=10.1016%2fj.fuel.2022.126475&partnerID=40&md5=0aadbfab28e88ae91be9d9820fcdac6 | Yes |
| Enhancement of combustion characteristics of waste cooking oil biodiesel using TiO2 nanofluid blends through RSM | Singh Pali H., Sharma A., Kumar M., Anand Annakodi V., Nhanh Nguyen V., Kumar Singh N., Singh Y., Balasubramanian D., Deepanraj B., Hai Truong T., Quy Phong Nguyen P. | Fuel | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137302662&doi=10.1016%2fj.fuel.2022.125681&partnerID=40&md5=6c2aa206ed7196269b4c5c36fe0187af | Yes |
| Design, synthesis, anticancer evaluation and molecular docking studies of 1,2,3-triazole incorporated 1,3,4-oxadiazole-Triazine derivatives | Oggu S., Akshinthala P., Katari N.K., Nagarapu L.K., Malempati S., Gundla R., Jonnalagadda S.B. | Heliyon | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156220527&doi=10.1016%2fj.heliyon.2023.e15935&partnerID=40&md5=328e5538c298c97464f856604a04e68c | Yes |
| Convenient synthesis, characterization and biological evaluation of novel 1-phenylcyclopropane carboxamide derivatives | Mahesh P., Akshinthala P., Ankireddy A.R., Katari N.K., Gupta L.K., Srivastava D., Jonnalagadda S.B., Gundla R. | Heliyon | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149769556&doi=10.1016%2fj.heliyon.2023.e13111&partnerID=40&md5=8c1a81328a3e0adc4139a0ed65ea8d29 | Yes |
| Experimental Investigation and DFT Study of Tin-Oxide for Its Application as Light Absorber Layer in Optoelectronic Devices | Kumar M., Askari S.S.A., Pandey P.S., Singh Y., Singh R., Raghuwanshi S.K., Singh G.K., Kumar S. | IEEE Access | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149818455&doi=10.1109%2fACCESS.2023.3252890&partnerID=40&md5=c58f4024fb9d73f1773eb6f6c680418 | Yes |

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| Enhanced Speckle Noise Reduction in Breast Cancer Ultrasound Imagery Using a Hybrid Deep Learning Model | Sekhar Reddy N.V.R., Chitteti C., Yesupadam S., Desanamukula V.S., Vellela S.S., Bommagani N.J. | Ingenierie des Systemes d'Information | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171851761&doi=10.18280%2Fisi.280426&partnerID=40&md5=1f1fcd5cf294cf750d6c6009ab165ee9 | Yes |
| Selection of Features Using Adaptive Tunicate Swarm Algorithm with Optimized Deep Learning Model for Thyroid Disease Classification | Kumar J.P., Muppagowni G.K., Kumar J.P., Malla S.J., Chandanapalli S.B., Sandhya E. | Ingenierie des Systemes d'Information | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162172007&doi=10.18280%2Fisi.280205&partnerID=40&md5=8f2f0ec4945bdc81b41d2c3dd518507a | Yes |
| Deep Learning Framework-Based Chaotic Hunger Games Search Optimization Algorithm for Prediction of Air Quality Index | Macherla H., Kotapati G., Sunitha M.T., Chittipireddy K.R., Attuluri B., Vatambeti R. | Ingenierie des Systemes d'Information | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162108532&doi=10.18280%2Fisi.280219&partnerID=40&md5=79cd46e7ab6c3c2b7c9c90f4d6e5550e | Yes |
| Energy Spectrum and Optical Absorption of Mn100-?Al? (x = 20, 30) Compounds with the ?-Mn Structure | Knyazev Y.V., Lukoyanov A.V., Kuz'min Y.I., Dash S., Patra A.K., Vasundhara M. | Inorganic Materials | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171440468&doi=10.1134%2FS0020168523010090&partnerID=40&md5=90407a9f1b9d06923fc63a21aff63e4 | Yes |
| High-throughput and area-efficient architectures for image encryption using PRINCE cipher | Kumar A., Singh P., Patro K.A.K., Acharya B. | Integration | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148700430&doi=10.1016%2Fj.vlsi.2023.01.011&partnerID=40&md5=3442a4bcdfb2cb99a33baa6417b39e11 | Yes |
| Efficient hardware implementations of lightweight Simeck Cipher for resource-constrained applications | Raja K.P., Mishra Z., Singh P., Acharya B. | Integration | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141315713&doi=10.1016%2Fj.vlsi.2022.10.009&partnerID=40&md5=29ddb48be62978cea763c43d22d370 | Yes |
| Efficient area and throughput implementations of lightweight Simeck cipher for resource-constrained applications | Raja K.P., Singh P., Mishra Z., Acharya B. | International Journal of Ad Hoc and Ubiquitous Computing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167872545&doi=10.1504%2FIJAHUC.2023.131776&partnerID=40&md5=5f73898ced41035f2b3e0ad7429154a6 | Yes |
| A Novel Dual Confusion and Diffusion Approach for Grey Image Encryption using Multiple Chaotic Maps | Praveen S.P., Suntharam V.S., Ravi S., Harita U., Thatha V.N., Swapna D. | International Journal of Advanced Computer Science and Applications | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171621261&doi=10.14569%2FIJACSA.2023.01408106&partnerID=40&md5=3e98018122a08caf420740d762177f5c | Yes |
| A Novel Classification Approach for Grape Leaf Disease Detection Based on Different Attention Deep Learning Techniques | Praveen S.P., Nakka R., Chokka A., Thatha V.N., Vellela S.S., Sirisha U. | International Journal of Advanced Computer Science and Applications | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168807361&doi=10.14569%2FIJACSA.2023.01406128&partnerID=40&md5=c87e1dd3d838dc0151fce13f738b93a8 | Yes |

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| Combination of Adaptive Neuro Fuzzy Inference System and Machine Learning Algorithm for Recognition of Human Facial Expressions | Dhanalaxmi B., Madhuravani B., Raju Y., Balaswamy C., Athiraja A., Babu G.C., Lawrence T.S. | International Journal of Advanced Computer Science and Applications | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165094722&doi=10.14569%2FIJACSA.2023.0140683&partnerID=40&md5=3e56b13957ee06d6368ef2d144714b2 | Yes |
| Deep Learning CNN Model-based Anomaly Detection in 3D Brain MRI Images using Feature Distribution Similarity | Panyala A.R., Baskar M. | International Journal of Advanced Computer Science and Applications | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151571389&doi=10.14569%2FIJACSA.2023.0140330&partnerID=40&md5=f843a7c173e9fb0c75e1850d33943e80 | Yes |
| Transmission line fault analysis using actuating relays and Atmega 328P controller | Sudhakar A., Nagasai G., Sagar M.P., Vamshi M., Nikhil V., Rajanna B.V. | International Journal of Applied Power Engineering | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162023854&doi=10.11591%2Fijape.v12.i2.pp190-195&partnerID=40&md5=eeff0aa6dfb8553fd743b6b95cdca87 | Yes |
| Deep learning based semantic segmentation approach for automatic detection of brain tumor | Markkandeyan S., Gupta S., Narayanan G.V., Reddy M.J., Al-Khasawneh M.A., Ishrat M., Kiran A. | International Journal of Computers, Communications and Control | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163844599&doi=10.15837%2Fijecce.2023.4.5186&partnerID=40&md5=5c05d4d00cb649b4af4ecef65606fb90 | Yes |
| Security and risk analysis in the cloud with software defined networking architecture | Thatha V.N., Donepudi S., Safali M.A., Praveen S.P., Tung N.T., Cuong N.H.H. | International Journal of Electrical and Computer Engineering | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164346781&doi=10.11591%2Fijecce.v13i5.pp5550-5559&partnerID=40&md5=b99856c4e6d3ced0ce2f2cb4bbcd4186e | Yes |
| Optimizing K-Means Clustering using the Artificial Firefly Algorithm | Lnc. Prakash K., Suryanarayana G., Swapna N., Bhaskar T., Kiran A. | International Journal of Intelligent Systems and Applications in Engineering | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171378882&partnerID=40&md5=0f86b5f84b05016cf86f1d1a8ae4e4fa | Yes |
| Optimized CNN Model for Diabetic Retinopathy Detection and Classification | Maithili K., Madhavi Latha Y., Gangopadhyay A., Varghese I.K., Sundaram A., Pandey C., Kiran A. | International Journal of Intelligent Systems and Applications in Engineering | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164014970&partnerID=40&md5=91228a61e1986ba4b8f778ccca07cd84 | Yes |
| A Medical Diagnosis System Based on Explainable Artificial Intelligence: Autism Spectrum Disorder Diagnosis | Adilakshmi J., Reddy G.V., Nidumolu K.D., Pecho R.D.C., Pasha M.J. | International Journal of Intelligent Systems and Applications in Engineering | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168564279&partnerID=40&md5=d013db9edc924b28c7f38f793e4ce3f6 | Yes |
| Enhancing Cloud Security with AuthPrivacyChain: A Blockchain-based Approach for Access Control and Privacy Protection | Mahalakshmi J., Reddy A.M., Sowmya T., Chowdary B.V., Raju P.R. | International Journal of Intelligent Systems and Applications in Engineering | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167918058&partnerID=40&md5=a90b9f9498547c509299b70c4c334491 | Yes |
| A Performance Analysis of Rate Adaptation Algorithms in Wireless LANs Based on Mobility Models and Propagation Losses | Patil S., Raghava M., Nitya E., Rajavikram G., Radhika Raju P. | International Journal of Intelligent Systems and Applications in Engineering | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167908586&partnerID=40&md5=a9b318418f09d8e3530596f70f6e8715 | Yes |

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| An Approach for Coordinating Lane Changes between Autonomous Vehicles in Congested Areas | Sandeep D., Mohan C.R., Kumar B.H., Pecho R.D.C., Pasha M.J. | International Journal of Intelligent Systems and Applications in Engineering | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167919271&partnerID=40&md5=ee45440e20e95970709b3b50b47b2081 | Yes |
| Stochastic modeling and performance analysis in balancing load and traffic for vehicular ad hoc networks: A review | Ravi B., Kumar M., Hu Y.-C., Hassan S., Kumar B. | International Journal of Network Management | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150839074&doi=10.1002%2fmem.2224&partnerID=40&md5=ab101552b5fbc513bcc7f325877ed273 | Yes |
| Analytical modeling of dielectric modulated negative capacitance MoS2 field effect transistor for next-generation label-free biosensor | Panda D.K., Lenka T.R., Singh R., Goyal V., Boukourt N.E.I., Nguyen H.P.T. | International Journal of Numerical Modelling: Electronic Networks, Devices and Fields | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137094716&doi=10.1002%2fimm.3060&partnerID=40&md5=42223cf05619611e5d92ee87e0387cd6 | Yes |
| Design and simulation of T-gate AlN/?-Ga2O3 HEMT for DC, RF and high-power nanoelectronics switching applications | Singh R., Rao G.P., Lenka T.R., Prasad S.V.S., Boukourt N.E.I., Crupi G., Nguyen H.P.T. | International Journal of Numerical Modelling: Electronic Networks, Devices and Fields | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164151154&doi=10.1002%2fimm.3146&partnerID=40&md5=50132768027abc0a88e2ede8e5544473 | Yes |
| Minimizing distortion in multi-pass GTAW welding of SS316L structures: a Taguchi approach | Reddy K.S., Vemanaboina H., Naidu B.V.V., Yelamasetti B., Bridjesh P., Shelare S.D. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170838092&doi=10.1007%2fsl12008-023-01512-4&partnerID=40&md5=2b01771b7dc6f8916b376894f54f6aab | Yes |
| Numerical and experimental thermal stress analyses of dissimilar GTA welded joints | Saxena A., Saxena K.K., Singh B., Rajput S.K., Yelamasetti B. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169341372&doi=10.1007%2fsl12008-023-01479-2&partnerID=40&md5=5b3364bc7f62d7a6363ed1e110f6de21 | Yes |
| Parametric optimization of friction stir welding of ZE42 using NSGA-II | Darwins A.K., Lewise K.A.S., Fahad M., Satheesh M., Dhas J.E.R., Anand A.V. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168516427&doi=10.1007%2fsl12008-023-01480-9&partnerID=40&md5=4aa60e9e146eb13f3243abf4686399d1 | Yes |
| Influence of FDM process parameters on tensile strength of parts printed by PLA material | Ambade V., Rajurkar S., Awari G., Yelamasetti B., Shelare S. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166957178&doi=10.1007%2fsl12008-023-01490-7&partnerID=40&md5=e37f67344d4aac87a0504cf9662e1bc | Yes |
| Modelling and numerical analysis of attitude control flaps of a UAV | Gowtham G., Jaganraj R., Nithya S., Arunkumar K. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165573779&doi=10.1007%2fsl12008-023-01432-3&partnerID=40&md5=8aec64c59292b4295ad89a202c2520d6 | Yes |

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| Numerical and empirical simulation of fluid flow in a spiral plate heat exchanger with Nusselt number correlation development | Dasore A., Konjeti R., Prakash B.O., Yelamasetti B. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165451174&doi=10.1007%2fs12008-023-01454-x&partnerID=40&md5=4c18145778e149086891e8ea2118e137 | Yes |
| Application of a hybrid Taguchi grey approach for determining the optimal parameters on wire electrical discharge machining of Ti6Al4V | Khan M.A., Thejasree P., Natarajan M., Narasimhamu K.L. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165341335&doi=10.1007%2fs12008-023-01440-3&partnerID=40&md5=ec8a28d4f96044a9ad786d423f6b4f41 | Yes |
| A hybrid learning approach for modelling the fabrication of super duplex stainless steel thin joints using GTAW process | Kumar S., Vimal K.E.K., Khan M.A., Kumar Y. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165283585&doi=10.1007%2fs12008-023-01413-6&partnerID=40&md5=9526ce72fe995617664d73c67879169c | Yes |
| Effect of process parameter on wire cut EDM using RSM method | Selvam R., Vignesh M., Pugazhenti R., Anbuhezhiyan G., Satyanarayana Gupta M. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162677320&doi=10.1007%2fs12008-023-01391-9&partnerID=40&md5=ce44d9358e687bee40e15f46bd3d66d3 | Yes |
| Analysis of residual stress in SS321 laser butt-welded plates using finite element analysis | Arroju P., Panchagnula K.K., Saritha P., Nune M.M.R., Madhura K., Kumar J.S., Vemanaboina H., Naidu G.G. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160436083&doi=10.1007%2fs12008-023-01362-0&partnerID=40&md5=923245844692d40c4defab19b1de05b7 | Yes |
| An energy-aware optimisation model to minimise energy consumption and carbon footprint in a flexible manufacturing system | Sagar K.V., Jerald J., Khan M.A. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160218611&doi=10.1007%2fs12008-023-01352-2&partnerID=40&md5=03c9b8cf5080746c8eadf85f6f41f23e | Yes |
| Enhancement of heat dissipation capacity with the application of nano fluids in an internal cooling system | Puvvada N.L.P., Ronanki P., Gupta M.S. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159654189&doi=10.1007%2fs12008-023-01321-9&partnerID=40&md5=72ef8c4bf8b53aad4579bb3a1a51338c | Yes |
| Parametric optimization of friction stir welded ZE42 rare earth alloys using grasshopper modelling technique | Darwins A.K., Satheesh M., Dhas J.E.R., Lewis K.A.S., Raj R.A., Manideep B. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159445034&doi=10.1007%2fs12008-023-01347-z&partnerID=40&md5=db1ed27ad858367c93e1af46a2a4a3f | Yes |
| Numerical investigation on buckling of two-directional porous functionally graded beam using higher order shear deformation theory | Bridjesh P., Geetha N.K., Yelamasetti B. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158138349&doi=10.1007%2fs12008-023-01332-6&partnerID=40&md5=d58e58835f8dd6c7d4bdb90a5a662069 | Yes |

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| A multi-objective scheduling model for a flexible manufacturing system to reduce peak load using an energy storage system | Sagar K.V., Jerald J., Khan M.A. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158109522&doi=10.1007%2fs12008-023-01334-4&partnerID=40&md5=11aea0108f13cda0290c6fc03c22be16 | Yes |
| Prediction of contact response using boundary element method (BEM) for different surface topography | Prajapati D.K., Prakash C., Saxena K., Gupta M.S., Mehta J.S. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152013000&doi=10.1007%2fs12008-023-01290-z&partnerID=40&md5=022d0e0d445a57a13a845bf4c0a52ffe | Yes |
| Thermal mapping of SS316L experimental and simulation for GTA welding process with moving heat source model using FEA | Reddy K.S., Purushotham A., kala K.L., Gupta M.S., Kumar P.K., Vemanaboina H. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151707883&doi=10.1007%2fs12008-023-01310-y&partnerID=40&md5=5444b03ef9cd93de6ba017cb58fae1f3 | Yes |
| Thermal simulation on friction stir welding of AA6061 aluminum alloy by computational fluid dynamics | Kumar R.R., Kumar A., Kumar A., Ansu A.K., Goyal A., Saxena K.K., Prakash C., Prasad J.L. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151408957&doi=10.1007%2fs12008-023-01311-x&partnerID=40&md5=a1d0faa71cb35123ba1679fd64978cc | Yes |
| Multi parameter optimization in end milling of S-glass fiber reinforced polymer composite using Taguchi technique coupled with Grey Relational Analysis | Kumar G.V., Gopalakrishnaiah P., Devi M.R., Vardhan T.V., Yelamasetti B. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150885877&doi=10.1007%2fs12008-023-01274-z&partnerID=40&md5=b23480f5227137a00f44f9e8213d1e1f | Yes |
| Computational fluid dynamic studies on configured propeller blades integrated with E62 airfoil | Lakshmanan D., Prasath M.S., Mathan A., Soundarya B., Murthy B.D., Annand A.V., Mishra N.K. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150517293&doi=10.1007%2fs12008-023-01273-0&partnerID=40&md5=0f20a7ab116898460e1a6716a3e1c72b | Yes |
| A payload based detail study on design and simulation of hexacopter drone | Shelare S., Belkhode P., Nikam K.C., Yelamasetti B., Gajbhiye T. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149949317&doi=10.1007%2fs12008-023-01269-w&partnerID=40&md5=39362cb0bdfc69077490581e737b5f1 | Yes |
| Analysis of hollow aluminum square tube of refitted mattresses using mathematical calculation & computerized 3-dimensional development | Wadgure A.T., Mishra P., Babu P.S., Reddy M.V. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149233881&doi=10.1007%2fs12008-023-01250-7&partnerID=40&md5=779502c23026c289e7553cfb6ffe9449 | Yes |
| A study and experimental analysis of coconut husk extracting tool using generative design and topology optimization technique | Sakhare V.P., Mishra P., Babu P.S., Reddy M.V. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148947366&doi=10.1007%2fs12008-023-01240-9&partnerID=40&md5=f0a16a618982f02c63cb710b9d00d3be | Yes |

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| Effect of GTAW process parameters on weld characteristics and microstructural studies of dissimilar welded joints of AA5083 and AA6082: optimization technique | Yadav A.K., Agrawal M.K., Saxena K.K., Yelamasetti B. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148465836&doi=10.1007%2fs12008-023-01230-x&partnerID=40&md5=f32fea55cd23e99a18b8fc2adb14da2 | Yes |
| Numerical simulation and experimental residual stress analyses of dissimilar GTA weldments of AA 5083 and AA 6082 | Yadav A.K., Agrawal M.K., Saxena K.K., Yelamasetti B. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147931190&doi=10.1007%2fs12008-023-01216-9&partnerID=40&md5=15f7ba7ba699509e010c6b5e2780e967 | Yes |
| Prediction of thermal and residual stress distributions in SS304 materials for nuclear application using finite element analysis | Vemanaboina H., Akella S., Buddu R.K., Yelamasetti B., Matam M.B., Salem K.H., Saxena K.K., Prakash C., Buddhi D. | International Journal on Interactive Design and Manufacturing | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145382318&doi=10.1007%2fs12008-022-01153-z&partnerID=40&md5=6678e7d9589e1e9cfd2ca4ea0de53dff | Yes |
| Heat and Mass Transfer on Unsteady MHD Kuvshinski Fluid Flow Past an Inclined Porous Plate with Multiple Slip Effect | Janga A.K., Gajjala R. | Journal of Advanced Research in Fluid Mechanics and Thermal Sciences | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166225470&doi=10.37934%2farfms.106.2.103115&partnerID=40&md5=14a97d511e088d296a1489795ab41702 | Yes |
| Effect of Chemically Reactive Nanofluid Flowing Across Horizontal Cylinder: Numerical Solution | Ramanuja M., Kavitha J., Sudhakar A., Babu A.A., Kamala Sree H., Ramesh Babu K. | Journal of Advanced Research in Numerical Heat Transfer | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167725624&partnerID=40&md5=00c6cbad1df8743cfae0dda03227ebc | Yes |
| ZnO nanoparticles dispersed cholesteric liquid crystal based smart window for energy saving application | Pathinti R.S., Tatipamula A.K., Vallamkondu J. | Journal of Alloys and Compounds | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166586657&doi=10.1016%2fj.jallcom.2023.171198&partnerID=40&md5=60bdc47d4ad9f514dea03aaaad3e7d93 | Yes |
| On Numerical Bending Analysis of Functionally Graded Porous Beam - Effect of Porosity Adapting Higher Order Shear Deformation Theory | Bridjesh P., Reddy G.C.M., Geetha N.K., Ravikiran Ch., Nagaraju S. | Journal of Computational Applied Mechanics | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158019841&doi=10.22059%2fj.camech.2023.353341.788&partnerID=40&md5=0381c2710225174d9dfdbd9f17ec15bf | Yes |
| Comparative Study of III-Nitride Nano-HEMTs on Different Substrates for Emerging High-Power Nanoelectronics and Millimetre Wave Applications | Purnachandra Rao G., Lenka T.R., Singh R., Boukortt N.E.I., Sadaf S.M., Nguyen H.P.T. | Journal of Electronic Materials | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144705856&doi=10.1007%2fs11664-022-10145-4&partnerID=40&md5=d15902bd06db694a3aba820d23e61205 | Yes |
| IoT-based data quality and data preprocessing of multinational corporations | Sirisha N., Gopikrishna M., Ramadevi P., Bokka R., Ganesh K.V.B., Chakravarthi M.K. | Journal of High Technology Management Research | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168119945&doi=10.1016%2fj.hitech.2023.100477&partnerID=40&md5=55f3721ed6596d40dc606581add0280 | Yes |

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| Artificial intelligence in steering the digital transformation of collaborative technical education | Lakshmi A.J., Kumar A., Kumar M.S., Patel S.I., Naik S.K.L., Ramesh J.V.N. | Journal of High Technology Management Research | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-851642267608&doi=10.1016%2fj.hitech.2023.100467&partnerID=40&md5=dae11e749ea9a43f4bbbd3d4991382 | Yes |
| Blockchain integration with the internet of things for the employee performance management | Godavarthi B., Dhar M., Devi S.A., Raju S.S., Balaram A., Srilakshmi G. | Journal of High Technology Management Research | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162910637&doi=10.1016%2fj.hitech.2023.100468&partnerID=40&md5=5130ccef0d3b4ed64e6aa2bdcd953 | Yes |
| Automatic Prediction and Identification of Smart Women Safety Wearable Device Using Dc-RF- IoT | Rao K.S., Divakara Rao D.V., Patel I., Saikumar K., Vijendra Babu D. | Journal of Information Technology Management | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148519016&doi=10.22059%2fIJTM.2022.89410&partnerID=40&md5=c23a70855340d298cde016704cb20ad2 | Yes |
| Dye-surfactant co-assembly as the chromogenic indicator for nanomolar level detection of Cu(i) ions via a color-changing response | Mondal S., Karar M., Dey N. | Journal of Materials Chemistry B | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153938688&doi=10.1039%2f3b00115f&partnerID=40&md5=c01e422cc6cb6a9a5a1ed7647f704d4 | Yes |
| Flow Stress Modeling of Tube and Slab Route Sheets of Zircaloy-4 Using Machine Learning Techniques and Arrhenius Type Constitutive Equations | Kanathi L., Wankhede P., Kurra S., Singh S.K., Geetha Rajashekharan S. | Journal of Materials Engineering and Performance | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135829650&doi=10.1007%2fs11665-022-07102-x&partnerID=40&md5=1a679db3961384ccc23b42d03214d128 | Yes |
| Metallurgical, mechanical and corrosion behaviour of pulsed and constant current TIG dissimilar welds of AISI 430 and Inconel 718 | Yelamasetti B., Adithya G.S., Ramadevi R.S., Sonia P., Saxena K.K., Kumar P.N., Eldin S.M., Al-kafaji F.H.K. | Journal of Materials Research and Technology | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158820722&doi=10.1016%2fj.jmrt.2023.04.231&partnerID=40&md5=f20c3bbccf67c8890529a6b2c5569558 | Yes |
| Identification of novel C-15 fluoro isosteviol derivatives for GABA-AT inhibition by in silico investigations | Salara P., Akshinthala P., Kapavarapu R., Amarendar Reddy M. | Journal of Molecular Modeling | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148963869&doi=10.1007%2fs00894-023-05479-7&partnerID=40&md5=9844d14921e69ffef6c2c82ddd4941ff | Yes |
| A rapid synthesis of 5-substituted 7-amino-6-cyano-1,5-dihydro-1H-pyranol[2,3-d]pyrimidine-2,4(3H)-diones and their in silico / in vitro evaluation against SIRT1 | Kondabanthini S., Akshinthala P., Katari N.K., Srimannarayana M., Gundla R., Kapavarapu R., Pal M. | Journal of Molecular Structure | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143696891&doi=10.1016%2fj.molstruc.2022.134753&partnerID=40&md5=47e5c64e2f2eb86b988be516de07b87b | Yes |
| Synthesis and Antimicrobial Activity Assay of Nanometal Oxide-Doped Liquid Crystal | Deepthi S., Srikiran S., Satyanarayana Gupta M., Mulatu Kumara A. | Journal of Nanomaterials | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153190393&doi=10.1155%2f2023%2f5668025&partnerID=40&md5=87b9b49b31a6f502e64e4cf91684933d | Yes |

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| A Study of Lithium Ferrite and Vanadium-Doped Lithium Ferrite Nanoparticles Based on the Structural, Optical, and Magnetic Properties | Malathi S., Sridhar B., Wayessa S.G. | Journal of Nanomaterials | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149144081&doi=10.1155%2F2023%2F6752950&partnerID=40&md5=d7e345633a44ce81e260276b0b332376 | Yes |
| Nanoclay-Incorporated Polycaprolactone Matrix via Electrospinning Techniques-Enriched Spectroscopic Responses | Devina Merin D., Anith Jose R., Arulananth T.S., Allwyn Sundarraj A., Inbamalar T.M., Getnet Meharie M. | Journal of Nanomaterials | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149136417&doi=10.1155%2F2023%2F1194158&partnerID=40&md5=fa45a45e9377167a73edf2e3110d5171 | Yes |
| Annealing and intensity dependent femtosecond nonlinear optical studies of sodium zinc borate oxide glasses incorporated with gold nanoparticles | Gurushantha K., Patnala H., Kolavekar S.B., Tangod V.B., Aloraini D.A., Almuqrin A.H., Sayyed M.I., Rao S.V., Pramod A.G., Jagannath G., Patwari D.R., Keshavamurthy K. | Journal of Non-Crystalline Solids | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164287215&doi=10.1016%2Fj.jnoncrysol.2023.122484&partnerID=40&md5=cd98e1e3d7bb285dc38f7eb1e98f8147 | Yes |
| FTOR-Mod PSO: A fault tolerance and an optimal relay node selection algorithm for wireless sensor networks using modified PSO | Rani K.P., Sreedevi P., Poornima E., Sri T.S. | Knowledge-Based Systems | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156142872&doi=10.1016%2Fj.knosys.2023.110583&partnerID=40&md5=5bcd3e34100503a0f815b5f0c5e6a25 | Yes |
| Trivalent rare earth elements substitution in 58S bioactive glass matrix for bone repair applications - An in vitro and in vivo study | Chandran L., Marimuthu A., Abimanyu R., Padmanabhan P., Thirumavalavan M., Ballamurugan A.M. | Materials Chemistry and Physics | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150029078&doi=10.1016%2Fj.matchemphys.2023.127533&partnerID=40&md5=3785b40483f075d8d24e2e430f4747e4 | Yes |
| Evaluation of residual stresses in CO2 laser beam welding of SS316L weldments using FEA | Vemanaboina H., Babu M.M., Prerana I.C., Gundabattini E., Yelamasetti B., Saxena K.K., Salem K.H., Khan M.I., Eldin S.M., Agrawal M.K. | Materials Research Express | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146494049&doi=10.1088%2F2053-1591%2F230605&partnerID=40&md5=319cd35148ef43ca097851bfcc4d379 | Yes |
| Microstructure and mechanical properties of AZ91D/Si3N4 composites using squeeze casting method | Rajesh G., Thiyagaraj J., Jagath Narayana K., Anbuhezhiyan G., Saravanan R., Pugazhenthir R., Satyanarayana Gupta M. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156264598&doi=10.1016%2Fj.matpr.2023.04.470&partnerID=40&md5=1187a2fd6e60129b454b681739ebc896 | Yes |
| Evaluation of quasi static strength of Kevlar/Basalt-Epoxy and Kevlar/Glass-Epoxy Intra-woven composite laminate | Jensin Joshua J., Lohchab D.S., Nikhil Aanandhan A.R.S., Ashwin M., Keerthana S., Sateesh R., Seralathan S. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156169512&doi=10.1016%2Fj.matpr.2023.04.249&partnerID=40&md5=b2570213ad314b0a7ebc5146c1bf6b88 | Yes |
| Experimental investigations on impact of exhaust gas recirculation in CI engine using jute biodiesel | Bridjesh P., Chandra Mohana Reddy G., Nagaraju S., Sundeep M., Prabhu Kishore N. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153614696&doi=10.1016%2Fj.matpr.2023.04.260&partnerID=40&md5=0168608611087110faceb7f97ad230e9 | Yes |

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| Static structural and aerodynamics analysis of 3D printed flapping wing mechanism of butterfly inspired ornithopter | Saravanan P., Madhanraj V., Shankaralingam L., Dhanush R., Vargheese V., Satyanarayana Gupta M., Seralathan S. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153600743&doi=10.1016%2fj.matpr.2023.04.253&partnerID=40&md5=436d6c6bb05f3a598f28ec93b099f00c | Yes |
| A study on single plate clutch disc using finite element method | Mohammed Mohaideen M., Mani Maran P., Rajesh Kumar G., Uday Ranjan Goud N., Jagannath V. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153593624&doi=10.1016%2fj.matpr.2023.04.264&partnerID=40&md5=9e11472a83499395818e5be6f10eca03 | Yes |
| Study on aerodynamics characteristics of the effect of leading-edge radius of FDM printed (ABS material) supersonic aerofoil | Madhanraj V., Saravanan P., Shankaralingam L., Balaji G., Sai Babu A., Sateesh R., Seralathan S. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153593387&doi=10.1016%2fj.matpr.2023.04.251&partnerID=40&md5=c757872e510ea5ce27806ba8dfe4773c | Yes |
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| Synthesis and characterization of binding interaction of ZnO nanoparticles with organic compounds | Mohan S., Sudarsan S., Parthiban E., Guhanathan S., Prasad S.V.S. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153376626&doi=10.1016%2fj.matpr.2023.03.791&partnerID=40&md5=ce1df5e2fd20c44c6bcae65da34b359 | Yes |
| Impact analysis on an integrated carbon composite wing spar of fixed wing aircraft | Elumalai E.S., Asokan R., Pragadheswaran S., Sivagangai T., Sateesh R., Seralathan S. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153369279&doi=10.1016%2fj.matpr.2023.04.250&partnerID=40&md5=7c23571a4ee09d84743543062549d104 | Yes |
| Experimental and numerical studies on kevlar composites | Mohammed Mohaideen M., Krishna Anand V.G., Dhara A., Uday Ranjan Goud N., James Anto Godwin J. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153340754&doi=10.1016%2fj.matpr.2023.04.270&partnerID=40&md5=67e0a787cdd1592cfe70208654f975e | Yes |
| Investigations on tribological behavior of natural fiber hybrid composites for brake friction | Senthil Kumar P., Jegadheesan C., Narasimabharathi S., Nithiyarasan R., Manideep B., Pal Singh A. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153183093&doi=10.1016%2fj.matpr.2023.04.261&partnerID=40&md5=8ca8a53b55bdb19e9b212f2b93ce8e4b | Yes |
| Effect of Al2O3 water nanofluid quenching on the mechanical behaviour of the mild steel | Baskaran M., Senthilraja S., Sathish S., Khan M.A. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152952113&doi=10.1016%2fj.matpr.2023.03.797&partnerID=40&md5=a8a08a740ea37b82bf5f69139a75960e | Yes |

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| Cutting zone temperature reduction in by using novel nanofluid in SAE1144 machining | Amuthan T., Saravanan R., Gnanavel C., Manikandan R., Jagadeeswaran P., Anbuhezhiyan G., Ganesh M. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152940241&doi=10.1016%2fj.matpr.2023.03.614&partnerID=40&md5=3fe301d808d2c5c270dd6dd1a3282a0b | Yes |
| Analysis of mechanical properties enhancement on composites of AA7175 by multi walled carbon nanotube (MWCNT) | Saravanan R., Gnanavel C., Ajith Arul Daniel S., Rajesh S., Kamatchi T., Anbuhezhiyan G., Sreekanth S. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152559006&doi=10.1016%2fj.matpr.2023.03.788&partnerID=40&md5=5f586f18ad4040364f45a9a495622d96 | Yes |
| Challenges on friction stir welding of magnesium alloys in automobiles | Unnikrishnan M.A., Edwin Raja Dhas J., Anton Savio Lewise K., Varghese J.C., Ganesh M. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152550265&doi=10.1016%2fj.matpr.2023.03.789&partnerID=40&md5=58ac65fe2c72f9b1f61bce23e8c1c67 | Yes |
| Exploration of mechanical properties of hemp fiber/flax fiber reinforced composites based on biopolymer and epoxy resin | Shebaz Ahmed J.P., Sudarsan S., Parthiban E., Trofimov E., Sridhar B. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152427291&doi=10.1016%2fj.matpr.2023.03.790&partnerID=40&md5=747a1a13ff80c7a66aafa604ef6a7ea8 | Yes |
| Numerical and analytical analysis of wing spar made with different composite material | Navya Manjari A., Ajith Raj R., Rajasekhar Rayudu N., Vyshnavi V., Sravanthi | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152278941&doi=10.1016%2fj.matpr.2023.03.793&partnerID=40&md5=8ce468c38a8c98c958ae8d6088d49397 | Yes |
| A Comparative study on Annealing and phase transition effect in SS 304 and SSLNA from low Nickel Austenite to Martensite | Vivek R., Rameshbabu R., Tamilarasan V.D., Arunachalam P., Vivek Anand A. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152257317&doi=10.1016%2fj.matpr.2023.03.750&partnerID=40&md5=2b761b383b83f4dd98d7a46f7af5d5a7 | Yes |
| Role of areca fibres on the mechanical behavior of natural fibre reinforced polymer composite | Sathish S., Aneesh S., Naveen Vigneshwaran S., Nithish Kumar E.K., Ravichandran M., Anaz Khan M. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152199781&doi=10.1016%2fj.matpr.2023.03.606&partnerID=40&md5=9f7d1bd182c4e366d69131a9706fbc5 | Yes |
| Flow and acoustic characteristics of convergent-divergent nozzle with and without wedges | Subramani N., Sangeetha M., Gowtham G., Sai Kumar A. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151651975&doi=10.1016%2fj.matpr.2023.03.608&partnerID=40&md5=6d75686f0739686e8cec2bd248c1b9aa | Yes |
| Investigating the mechanical properties of tungsten carbide metal matrix composites with Al 6061 | Prajul Raj P., Sridhar R., Pugazhenthir R., Anbuhezhiyan G., Ganesh M. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151561378&doi=10.1016%2fj.matpr.2023.03.605&partnerID=40&md5=d17e8958392d15c4df5c7bcf58e6938f | Yes |

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| Effect of chemical treatment on mechanical properties of prosopis juliflora fibre and glass fiber with nano fillers | Rakeshkumar C., Surenderpaul A., Naveen R., Sai Kumar A. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151464290&doi=10.1016%2Fj.matpr.2023.03.398&partnerID=40&md5=836d413ba4c3427447b45ca119e82655 | Yes |
| Modelling and additive manufacturing of a four stroke petrol engine using PLA material | Krishnaraj J., Harshavardhan Reddy K. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151448984&doi=10.1016%2Fj.matpr.2023.03.396&partnerID=40&md5=da273bebaa322f9c848f0d009a4bc30a | Yes |
| Graphene/ZnO nanocomposite based optical biosensors | Prasad S.V.S., Kumar M., Arulananth T.S., Ravi B., Kumar B., Kiran Kumar B. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151448650&doi=10.1016%2Fj.matpr.2023.03.273&partnerID=40&md5=0d03e15c9c75967512efdd723fd13ea6 | Yes |
| Experimental investigation on performance and emission characteristics of algae oil biodiesel with methanol additive in CI engine | Boopathi M., Sathiskumar S., Manideep B., Jayakrishnan S., Praveen S.B., Gokul V., Sakthi Ganesh P., Gokulraj V. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151446008&doi=10.1016%2Fj.matpr.2023.03.405&partnerID=40&md5=40d1f2bd2686daa11ef125803634d465 | Yes |
| Investigating concentration of nano-particles influence in Molybdenum disulfide waste cooking oil nanofluid for machining of SAE 1144 in surface finish enhancement | Saravanan R., Malladi A., Gopalakrishnan T., Manikandan R., Jagadeeswaran P., Anbuhezhiyan G., Veeranjanyulu K. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151437338&doi=10.1016%2Fj.matpr.2023.03.441&partnerID=40&md5=23b0ed4a4a3c91f3f3fd94c66babc6 | Yes |
| Investigation on turning process performance during machining of 15-5PH stainless steel material with eco-friendly machining technique | Sivaiah P., Sudheera M., Muralidhar Singh M., Yuvaraj C., Chengal Reddy V., Lakshmi Narasimhamu K., Dilip Kumar M. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151433315&doi=10.1016%2Fj.matpr.2023.03.303&partnerID=40&md5=58501a0f9e7a7a2b1597d158b278f5c6 | Yes |
| Investigation of mechanical properties of glass fiber-ZrO2-epoxy functionally graded composite | Panchal M., Dasore A., Rahul T.K., Yalamasetti B., Raghavendra G., Ojha S. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151431177&doi=10.1016%2Fj.matpr.2023.03.270&partnerID=40&md5=7b1c6204c9fe3600bb99476540fe2673 | Yes |
| Machine learning based metal surface roughness estimation in infrared images | Vasanth K., Elanangai V., Arulananth T.S., Thyagarajan K. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151426207&doi=10.1016%2Fj.matpr.2023.03.394&partnerID=40&md5=74cdf533bf14334c8770b51ce417a8 | Yes |
| Prediction of thermal fields and stresses developed in GTAW dissimilar weldments of AA 5083 and AA 6082 | Kumar Yadav A., Agrawal M.K., Saxena K.K., Yelamasetti B. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151403205&doi=10.1016%2Fj.matpr.2023.03.174&partnerID=40&md5=8001153fda82864fdeb15fa435ccb83 | Yes |

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| Mechanical characterization of friction stir welded dissimilar aluminium alloy using Taguchi approach | Saravanan R., Malladi A., Amuthan T., Aneesh V.N., Jerin A., Anbuhezhiyan G., Saikumar A. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151398383&doi=10.1016%2fj.matpr.2023.03.278&partnerID=40&md5=13dc27d9a9491265c81ba8a0c15b1a29 | Yes |
| Tool wear effects on green and WCO/MoS2 nanofluid clean machining | Gnanavel C., Saravanan R., Baskaran P., Vignesh M., Aneesh V.N., Anbuhezhiyan G., Ganesh M. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151327037&doi=10.1016%2fj.matpr.2023.03.279&partnerID=40&md5=36b33c578f11649b7f37175831f8d39d | Yes |
| Effects of Molybdenum disulfide nano-particles' concentration on waste cooking oil nanofluid in reduction feed force in CNC wet machining of SAE 1144 steel | Gopalakrishnan T., Saravanan R., Malladi A., Manikandan R., Jagadeeswaran P., Anbuhezhiyan G., Ganesh M. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151279674&doi=10.1016%2fj.matpr.2023.03.442&partnerID=40&md5=ca2e976f21152a8465fe14c11c52de | Yes |
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| Flexural behavior of natural fiber epoxy composites | Chandra Sekhar V., Dasore A., Yalamasetti B., Sudha Madhuri K., G. N. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151245978&doi=10.1016%2fj.matpr.2023.03.429&partnerID=40&md5=98dd46a8ddf0b1d8d63467a0ecc07e27 | Yes |
| Improvement of load bearing capacity by changing design parameters and material properties of journal bearings utilized in marine applications | Reddy Gopa D., Prasad L.S.V., Kumar Mishra N. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150856847&doi=10.1016%2fj.matpr.2023.03.208&partnerID=40&md5=4adb1fec4a4ba44e515a96b01d37f463 | Yes |
| Study on flexural behaviour of polypropylene fiber reinforced fly ash concrete beam | Kistan A., Kanchana V., Parthiban E., Vadivel S., Sridhar B. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150855151&doi=10.1016%2fj.matpr.2023.03.172&partnerID=40&md5=1ddef216dc42a8c2959de54a41a95756 | Yes |
| Dynamic characteristic studies of novel flexible flip-type Savonius hydrokinetic turbine | Thiyagaraj J., Anbuhezhiyan G., Mamidi V.K., Barathiraja R., Sura S. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150789691&doi=10.1016%2fj.matpr.2023.03.170&partnerID=40&md5=1ea29b5a78e37287e2fbcd1d01ad6c7 | Yes |
| Investigation of ceramic coating on operating characteristic of DI CI diesel engine fuelled with safflower methyl ester | Periyannan L., Saravanan P., Lavanya P., Sivakumar E., Silambarasan R., Sura S. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149734661&doi=10.1016%2fj.matpr.2023.02.154&partnerID=40&md5=56c3343e9d84e8048d30c66fc663a7fc | Yes |

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| Experimental investigation on the impact of NOx emission in CI engine fueled with rapeseed biodiesel with antioxidant additives | Senthil M., Govindaraj M., Boopathi J., Elamvazuthi A., Silambarasan R., Manideep B. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149676616&doi=10.1016%2fj.matpr.2023.02.156&partnerID=40&md5=46736a1c09c6f660f76b571e261408ec | Yes |
| Influence of exhaust gas recirculation on working characteristics of biodiesel operated in LHR diesel engine | Senthil M., Kannan S., Sakthivel P., Ranjithkumar M., Silambarasan R., Sura S. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149660887&doi=10.1016%2fj.matpr.2023.02.155&partnerID=40&md5=0db541657fa3f43da26c649851c1632c | Yes |
| Optimization of laser machining parameters of SS 314 using response surface methodology | Vishnu Vardhan T., Mahender T., Vempati S., Balram Y. | Materials Today: Proceedings | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149652221&doi=10.1016%2fj.matpr.2023.02.189&partnerID=40&md5=a98d06c813625b29c5765f2574fe3036 | Yes |
| Mathematical Modeling of MHD Flow of CNTs/Ag Nanoparticles Past a Heated Stretchy Surface with Nonuniform Heat Sink/Source and Thermal Radiation Impacts | Gandhimathi T., Eswaramoorthi S., Loganathan K., Mishra N.K. | Mathematical Problems in Engineering | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168931403&doi=10.1155%2f2023%2f7308650&partnerID=40&md5=125cdd41191297e705106eb5fc445ddb | Yes |
| Enhanced Effectiveness in Various Ladder Graphs Based on the F-Centroidal Meanness Criterion | Rajesh Kannan A., Murali Krishnan S., Loganathan K., Alessa N., Hymavathi M. | Mathematics | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166255668&doi=10.3390%2fmath11143205&partnerID=40&md5=2a9c3302aecfe261a2ddc621e3bb8291 | Yes |
| Hybrid Fuzzy Rule Algorithm and Trust Planning Mechanism for Robust Trust Management in IoT-Embedded Systems Integration | Reddy N.V.R., Padmaja P., Mahdal M., Seerangan S., Vimal V., Talasila V., Cepova L. | Mathematics | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161369568&doi=10.3390%2fmath11112546&partnerID=40&md5=ca1cd25b5f63f9130b4529fc0dcb1a6d | Yes |
| (Formula presented.)-Uni-Intuitionistic Fuzzy Soft Ideals in Subtraction BG-Algebras | Balamurugan M., Alessa N., Loganathan K., Amar Nath N. | Mathematics | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164674448&doi=10.3390%2fmath11102296&partnerID=40&md5=e37496adf220a1803e0424820b604ade | Yes |
| Enhancing Data Security in IoT Networks with Blockchain-Based Management and Adaptive Clustering Techniques | Kiran A., Mathivanan P., Mahdal M., Sairam K., Chauhan D., Talasila V. | Mathematics | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159169674&doi=10.3390%2fmath11092073&partnerID=40&md5=d74dc4ff541ed4e0c3d04f8701597d8 | Yes |
| On Numerical Investigation of Buckling in Two-Directional Porous Functionally Graded Beam Using Higher Order Shear Deformation Theory | Bridjesh P., Geetha N.K., Reddy G.C.M. | Mechanics of Advanced Composite Structures | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163686843&doi=10.22075%2fmacs.2023.29340.1462&partnerID=40&md5=83fcaaf713f5699a328d2db5b8bc2bce | Yes |

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| Computational Analysis of Darcy–Forchheimer Flow of Cu/Al–Al ₂ O ₃ Hybrid Nanofluid in Water over a Heated Stretchable Plate with Nonlinear Radiation | Alessa N., Sindhu R., Divya S., Eswaramoorthi S., Loganathan K., Prasad K.S. | Micromachines | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149021611&doi=10.3390%2fmi14020338&partnerID=40&md5=42a14e76ea28909c5fd8e32dbafd1fee | Yes |
| Skin cancer segmentation with the aid of multi-class dilated D-net (MD2N) framework | Kumar M.D., Sivanarayana G.V., Indira D.N.V.S.L.S., Raj M.P. | Multimedia Tools and Applications | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149879159&doi=10.1007%2fs11042-023-14605-9&partnerID=40&md5=78499f7d895b09ea27e20c87b48aa2e0 | Yes |
| An improved GABOR wavelet transform and rough k-means clustering algorithm for MRI BRAIN tumor image segmentation | Rao B.C., Raju K., Babu G.R., Pittala C.S. | Multimedia Tools and Applications | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148213082&doi=10.1007%2fs11042-023-14485-z&partnerID=40&md5=c25af2a4812d1290c3017055e162b6ea | Yes |
| Authentication of video based on concatenated plane slicing layers approach | Sridhar B. | Multimedia Tools and Applications | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147103393&doi=10.1007%2fs11042-023-14426-w&partnerID=40&md5=24983050601e86c100dea9abe0a38ed | Yes |
| Medical image segmentation using an optimized three-tier quantum convolutional neural network trained with hybrid optimization approach | Prasad S.V.S., Rao B.C., Rao M.K., Kumar K.R., Vara Prasad S.D., Ramesh C. | Multimedia Tools and Applications | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173109532&doi=10.1007%2fs11042-023-16980-9&partnerID=40&md5=ad41b842210d5e6538c7703550a0c5f7 | Yes |
| An effective sharing approach of selective video frames for secure multimedia transmission | Sridhar B. | Multimedia Tools and Applications | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160832113&doi=10.1007%2fs11042-023-15843-7&partnerID=40&md5=228511a64a3564e20b674731056e30f | Yes |
| PCA Based Dimensional Data Reduction and Segmentation for DICOM Images | Arulananth T.S., Balaji L., Baskar M., Anbarasu V., Rao K.S. | Neural Processing Letters | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096379638&doi=10.1007%2fs11063-020-10391-9&partnerID=40&md5=782c935e301cc594f0c720702367ee7b | Yes |
| Sub-network modeling and integration for low-light enhancement of aerial images | Uganya G., Devi C.H.S., Chaturvedi A., Shankar B.B., Ramesh J.V.N., Kiran A. | Optical and Quantum Electronics | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170386720&doi=10.1007%2fs11082-023-05224-7&partnerID=40&md5=7a7aef616352c1205cc13d0c4990d6d1 | Yes |
| Integrated multifunctional molecular logic device powered by ion-specific dual mode optical responses | Karar M., Dey N. | Optical Materials | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164242381&doi=10.1016%2fjo.optmat.2023.113989&partnerID=40&md5=85ec519b543d7748caf281c3a62ab8ad | Yes |

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| The Electronic Structure and Optical Properties of Heusler Alloys $Mn_{2-x}Fe_{1+x}Al$ ($x = -0.5, 0, 0.5, 1$) | Shreder E.I., Lukoyanov A.V., Mukhachev R.D., Filanovich A.N., Dash S., Patra A.K., Vasundhara M. | Physics of Metals and Metallography | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164110636&doi=10.1134%2F50031918X2370014X&partnerID=40&md5=c66bb5c2f3dabd6334d733b7d389ee8b | Yes |
| Edge detection using fast pixel based matching and contours mapping algorithms | Arulananth T.S., Chinnasamy P., Babu J.C., Kiran A., Hemalatha J., Abbas M. | PLoS ONE | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167748064&doi=10.1371%2Fjournal.pone.0289823&partnerID=40&md5=6316b6b38048c81f127d0ae2ab82ab7c | Yes |
| Low-Power Very-Large-Scale Integration Implementation of Fault-Tolerant Parallel Real Fast Fourier Transform Architectures Using Error Correction Codes and Algorithm-Based Fault-Tolerant Techniques | Chowdary M.K., Turaka R., Alabdullah B., Khan M., Babu J.C., Kiran A. | Processes | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169081528&doi=10.3390%2Fpr11082389&partnerID=40&md5=3294869edf8ff335cbb1aa574ac0fbeb | Yes |
| Design Optimization of Counter-Flow Double-Pipe Heat Exchanger Using Hybrid Optimization Algorithm | Venkatesh B., Khan M., Alabdullah B., Kiran A., Babu J.C., Bhargavi B., Alhayan F. | Processes | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163810958&doi=10.3390%2Fpr11061674&partnerID=40&md5=24fe96d74481875a1a0e7191b19c2f0 | Yes |
| Deep Learning Based Optimization Model for Energy Consumption of New Electric Vehicles | Kotapati G., Selvamani P.K.D., Lella K.K., Shaik K.S., Katevarapu V.R., Bommagani N.J. | Revue d'Intelligence Artificielle | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173036072&doi=10.18280%2Fria.370402&partnerID=40&md5=914f1f419fd19f20ad94370ad68ce947 | Yes |
| Classification of a New-Born Infant's Jaundice Symptoms Using a Binary Spring Search Algorithm with Machine Learning | Inamanamelluri H.V.S.L., Pulipati V.R., Pradhan N.C., Chintamaneni P., Manur M., Vatambeti R. | Revue d'Intelligence Artificielle | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163445008&doi=10.18280%2Fria.370202&partnerID=40&md5=a7d3e3f3e6c36aa372875ec220a7144a | Yes |
| Smart Health Monitoring Using Deep Learning and Artificial Intelligence | Philip J., Gandhimathi S.K., Chalichalamala S., Karnam B., Chandanapalli S.B., Chennupalli S. | Revue d'Intelligence Artificielle | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161008599&doi=10.18280%2Fria.370222&partnerID=40&md5=d53fc35108924986da0459168b088b2b | Yes |
| Enhancement in the electrical transport properties of $CaMnO_3$ via La/Dy co-doping for improved thermoelectric performance | Vijay A., Charan Prasanth S., Jose R., Saravanan K.V. | RSC Advances | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164929970&doi=10.1039%2Fd3ra03053a&partnerID=40&md5=030427246bb23d980fd01aec868a9e7 | Yes |
| Evanescent wave in multiple slit diffraction and n-array antennas in metamaterial using Cesàro convergence | Nellambakam Y., Haritha K., Shiv Chaitanya K.V.S. | Scientific Reports | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162260741&doi=10.1038%2Fsr41598-023-36894-8&partnerID=40&md5=b0feb9b86f908033607464269e3cbf8 | Yes |

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| Enhanced Dual-Selection Krill Herd Strategy for Optimizing Network Lifetime and Stability in Wireless Sensor Networks | Balaram A., Babu R., Mahdal M., Fathima D., Panwar N., Ramesh J.V.N., Elangovan M. | Sensors | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170352877&doi=10.3390%2fs23177485&partnerID=40&md5=3165d0e849d80fa8e244389bed41d1e8 | Yes |
| Determination of Valbenazine related substances by liquid chromatography method complying with the current regulatory guidelines. Method robustness evaluation by Design of Experiments software | Deshmukh B.R., Akshinthala P., Katari N.K., Deshpande G.K., Kowtharapu L.P., Battula S.R., Gundla R. | Separation Science Plus | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163322989&doi=10.1002%2fssep.202300010&partnerID=40&md5=05a9fef386668412e4e3a72eef2c9e0f | Yes |
| 1-Bit FinFET Carry Cells for Low Voltage High-Speed Digital Signal Processing Applications | Pittala C.S., Vijay V., Reddy B.N.K. | Silicon | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135350810&doi=10.1007%2fs12633-022-02016-8&partnerID=40&md5=6baff098efa4f6ddf45fdd15cb7cf47f | Yes |
| Optimization of Flexible Manufacturing Production Line System Based on Digital Twin | Ramkumar G., Misra S., Babu G.R., Gottimukkala A.R., Siddi S., Kumar J.S. | SN Computer Science | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172070189&doi=10.1007%2fs42979-023-01978-9&partnerID=40&md5=4f3f6789259d0115ccf60812477de25c | Yes |
| Implementation and Manufacturing of DT Sensor Ecosystem for Real-Time Monitoring of Virtual 3D Printers | Reddy K.S.S., Rajesh R., Raj P.A.C., Arya N., Bhaskaran R., Prasad J.L. | SN Computer Science | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170633060&doi=10.1007%2fs42979-023-01969-w&partnerID=40&md5=07befbb0172f914aeef575f5b8e5494 | Yes |
| Development of Digital Twin with External Data Resources in Manufacturing with Complex Algorithms | Vijayalakshmi N., Roopa Y.M., Ashreetha B., Ramesh J.V.N., Rao E.G., Sundararajan P.N. | SN Computer Science | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168355700&doi=10.1007%2fs42979-023-02035-1&partnerID=40&md5=51504c92b028087272634ee18869b4f3 | Yes |
| Smart Production and Manufacturing System Using Digital Twin Technology and Machine Learning | Yadav R., Roopa Y.M., Lavanya M., Ramesh J.V.N., Chitra N.T., Babu G.R. | SN Computer Science | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168236166&doi=10.1007%2fs42979-023-01976-x&partnerID=40&md5=a543b55816083c9b6b0c38d6612b655e | Yes |
| Modelling and Implementation of Microcontroller System Robotic Devices Through Digital Twins with the Modernization of Complex Systems | Ashok J., Tallapragada V.V.S., Padmaja D.L., Sathish E., Karthikeyan S., Kumar J.P. | SN Computer Science | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163757879&doi=10.1007%2fs42979-023-01938-3&partnerID=40&md5=76226b0495206bde1805b2877ad35ce1 | Yes |
| Heat and Mass Transport in Casson Nanofluid Flow over a 3-D Riga Plate with Cattaneo-Christov Double Flux: A Computational Modeling through Analytical Method | Loganathan K., Eswaramoorthi S., Chinnasamy P., Jain R., Sivasakthivel R., Ali R., Devi N.N. | Symmetry | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152668598&doi=10.3390%2fsym15030725&partnerID=40&md5=2e0c062ceb06297aaa3dd881443654c1 | Yes |

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| Computational Modeling of Thermodynamical Pulsatile Flow with Uncertain Pressure in Hydrocephalus | Balasundaram H., Alessa N., Loganathan K., Vijayalakshmi V., Goud N.U.R. | Symmetry | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149235803&doi=10.3390%2fsvm15020534&partnerID=40&md5=89c40440c72576ebf07b132f289e1305 | Yes |
| Thermal Onsets of Viscous Dissipation for Radiative Mixed Convective Flow of Jeffery Nanofluid across a Wedge | Dadhich Y., Alessa N., Jain R., Kaladgi A.R., Loganathan K., Devi V.R. | Symmetry | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149213278&doi=10.3390%2fsvm15020385&partnerID=40&md5=58f48211ff25733d4dceac6596465e3a | Yes |
| Artificial Intelligence for Media Ecological Integration and Knowledge Management | Balaram A., Kannan K.N., ?epová L., Kumar M K., Rani B S., Schindlerova V. | Systems | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160028133&doi=10.3390%2fsystems11050222&partnerID=40&md5=9aac2846265fbc124cc1576422f6f8a6 | Yes |
| Internet of things with nanomaterials-based predictive model for wastewater treatment using stacked sparse denoising auto-encoder | Neelakandan S., Rajasekhar Reddy N.V., Ghfar A.A., Pandey S., Kiran S., Arasu P.T. | Water Reuse | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164113661&doi=10.2166%2fwrd.2023.006&partnerID=40&md5=86b35c6db75731bd9e63ec06c28f7gab | Yes |
| Optimization of water reuse and modelling by saline composition with nanoparticles based on machine learning architectures | Rao K.S., Tirth V., Almujiabah H., Alshahri A.H., Hariprasad V., Senthikumar N. | Water Science and Technology | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163787615&doi=10.2166%2fwst.2023.161&partnerID=40&md5=312ae501324c6e45bdba216181ffe2ae | Yes |
| Highly accurate sybil attack detection in vanet using extreme learning machine with preserved location | Balaram A., Nabi S.A., Rao K.S., Koppula N. | Wireless Networks | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162047817&doi=10.1007%2fs11276-023-03399-1&partnerID=40&md5=eb4ff98ddadc7ddc30dd411962a4739 | Yes |
| Target-aware distributed coverage and connectivity algorithm for wireless sensor networks | Banoth S.P.R., Donta P.K., Amgoth T. | Wireless Networks | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147311112&doi=10.1007%2fs11276-022-03224-1&partnerID=40&md5=d5fd6b2f607ec0b3e01c17c417af20fc | Yes |
| A Novel Optimized Recurrent Network-Based Automatic System for Speech Emotion Identification | Koppula N., Rao K.S., Nabi S.A., Balaram A. | Wireless Personal Communications | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138218086&doi=10.1007%2fs11277-022-10040-5&partnerID=40&md5=3b2b8bbc4137b154d2110984f6a9a68d | Yes |
| An Attention Based Bi-LSTM DenseNet Model for Named Entity Recognition in English Texts | VeeraSekharReddy B., Rao K.S., Koppula N. | Wireless Personal Communications | 2023 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149717224&doi=10.1007%2fs11277-023-10339-x&partnerID=40&md5=596d75d8b2b97924c5fd2db26da1e4b0 | Yes |
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| ANALYSIS OF MACHINE LEARNING BASED RENEWABLE ENERGY SYSTEMS | Kumar K.P., Arshad M., Hussain M.A. | | 2022 | 10.1149/10701.19853eest | Yes |

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| A Secure Context-Aware Trust based improved POR Protocol for Delay Tolerant Networks | Dr.A. Balam | Automatika TAUT | 2022 | https://doi.org/10.1080/00051144.2022.2095830 | Yes |
| TO CONTROL THE DIRECTION AND ANGLE OF STEPPER MOTOR USING ZIGBEE TECHNOLOGY | Mr. P. JITHENDAR | Journal of Emerging Technologies and Innovative Research | 2022 | https://jetir.org/papers/JETIR2205987.pdf | Yes |
| DECOUPLED CONTROL OF THREE PHASE GRID CONNECTED SOLAR PV SYSTEM | Mr. P. JITHENDAR | Journal of Emerging Technologies and Innovative Research | 2022 | https://www.jetir.org/trackautho/home.php?a_rid=403058 | Yes |
| Mitigation of Harmonics by using multi level inverter in Hybrid system (PV & Wind) | Mr. P. RAVITEJA | Journal of Emerging Technologies and Innovative Research | 2022 | https://www.jetir.org/trackautho/home.php?a_rid=402972 | Yes |
| Ground fault and short- circuit protection using Arduino and GSM | Mr. P. RAVITEJA | Journal of Emerging Technologies and Innovative Research | 2022 | https://www.jetir.org/hardcopy-charges.php | Yes |
| SOLAR BICYCLE - An Initiative towards Conservation of Non-Renewable Resources | Mr. A. YADAGIRI | Journal of Emerging Technologies and Innovative Research | 2022 | https://www.jetir.org/view?paper=JETIR2205948 | Yes |
| DYNAMIC VOLTAGE RESTORER | B.Madhuri Reddy | Journal of Emerging Technologies and Innovative Research | 2022 | http://www.jetir.org/papers/JETIR2205966.pdf | Yes |
| Hybrid Electric Bicycle using PMDC motor controller & pedaling mechanism | Dr.A.Sudhakar | Journal of Emerging Technologies and Innovative Research | 2022 | https://www.jetir.org/papers/JETIR2205922.pdf | Yes |
| Power optimization of induction motor using fuzzy logic Control for EV(electric Vehicles) | Dr.M.Dilip Kumar | Journal of Emerging Technologies and Innovative Research | 2022 | https://www.jetir.org/trackautho/home.php?a_rid=403095 | Yes |
| SUN TRACKING SOLAR PANEL USING L293D MOTORDRIVE AND ATmega328P MICROCONTROLLER | Dr.M.Dilip Kumar | Journal of Emerging Technologies and Innovative Research | 2022 | https://www.jetir.org/papers/JETIR2205749.pdf | Yes |
| Intelligent Energy Monitoring and Control System | Dr.T.Bhargava Ramu | Journal of Emerging Technologies and Innovative Research | 2022 | https://www.jetir.org/papers/JETIR2205888.pdf | Yes |
| Advanced Monitoring System for Electric Vehicle Real-Time Condition Monitoring | Dr.T.Bhargava Ramu | Journal of Emerging Technologies and Innovative Research | 2022 | https://www.ijsr.net/get_abstract.php?paper_id=SR22428132846 | Yes |
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| WIRELESS SPEED AND DIRECTION CONTROL OF DC MOTOR USING RF TECHNOLOGY | Mr. Ch. Srivardhan | Journal of Emerging Technologies and Innovative Research | 2022 | https://www.jetir.org/trackautho/home.php?a_rid=402778 | Yes |
| Economic Improvement of Power Factor Using Automatic Compensators for Domestic Use | Mr. V.Kishore | Journal of Emerging Technologies and Innovative Research | 2022 | https://www.jetir.org/papers/JETIR2205700.pdf | Yes |
| STUDY AND IMPLEMENTATION OF WIRELESS POWER TRANSMISSION | Mr. V.Kishore | Journal of Emerging Technologies and Innovative Research | 2022 | https://www.jetir.org/papers/JETIR2205708.pdf | Yes |
| RENEWABLE ENERGY SOURCE BASED BOOST CONVERTER FED BLDC MOTOR | Ms. K. Rajasri | Journal of Emerging Technologies and Innovative Research | 2022 | https://www.jetir.org/papers/JETIR2205791.pdf | Yes |
| INVESTIGATIONS ON MECHANICAL PROPERTIES OF BIO-WASTE MICRO PARTICLES REINFORCED PHENOL FORMALDEHYDE COMPOSITES | Jose A.S., Athijayamani A., Jani S.P., Stalany V.M., Khan M.A. | Archives of Metallurgy and Materials | 2022 | 10.24425/amm.2022.137768 | Yes |

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| A context-aware improved POR protocol for Delay Tolerant networks | Balaram A., Sakthivel T., Chandan R.R. | Automatika | 2022 | 10.1080/00051144.2022.2095830 | Yes |
| Entropy analysis of MHD flow of Jeffrey fluid in an inclined channel | Mani R., Gopi Krishna G. | Heat Transfer | 2022 | 10.1002/hjt.22569 | Yes |
| Casson nanofluid performance on MHD convective flow past a semi-infinite inclined permeable moving plate in presence of heat and mass transfer | Ravindranath Reddy G., Ramakrishna Reddy K. | Heat Transfer | 2022 | 10.1002/hjt.22645 | Yes |
| A dynamic preserving-based WSN framework for medical disease prediction | Madhuravani B., Murthy D.S.R., Raju S.V. | International Journal of Ad Hoc and Ubiquitous Computing | 2022 | 10.1504/IJAHUC.2022.123523 | Yes |
| Analysis on the effect of pilot injection strategies on combustion and emission characteristics of palm-munja biodiesel/diesel blend on CRDI diesel engine | Babu J.M., Prasad K.S., Ganji P.R., Ravikiran C., Velu R. | International Journal of Ambient Energy | 2022 | 10.1080/01430750.2019.1663368 | Yes |
| Indirect output-error modeling scheme for continuous processes with unknown time delay using iterative instrument variable approach | Sharma S., Padhy P.K. | International Journal of Dynamics and Control | 2022 | 10.1007/s40435-021-00896-z | Yes |
| Numerical analysis of various plasmonic MIM/MDM slot waveguide structures | Pittala C.S., Vallabhuni R.R., Vijay V., Anam U.R., Chaitanya K. | International Journal of System Assurance Engineering and Management | 2022 | 10.1007/s13198-022-01664-8 | Yes |
| Characterization of general relativistic spacetime equipped with η -Ricci-Bourguignon soliton | Dey S., Roy S. | Journal of Geometry and Physics | 2022 | 10.1016/j.geomphys.2022.104578 | Yes |
| Privacy Preserving with Modified Grey Wolf Optimization over Big Data Using Optimal K Anonymization Approach | Sai Kumar S., Reddy A.R., Krishna B.S., Nageswara Rao J., Kiran A. | Journal of Interconnection Networks | 2022 | 10.1142/S0219265921410395 | Yes |
| Energy transfer dynamics and photoluminescence properties of sol-gel synthesized dense-packed $\text{Ca}^{3+}(\text{x}+\text{y})\text{TbxSmyMgSi}_2\text{O}_8$ phosphor | Padhi R.K., Ramakrishna P., Vinodkumar P., Rout A. | Journal of Luminescence | 2022 | 10.1016/j.jlumin.2022.119113 | Yes |
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| OPTIMUM FORCE SYSTEM for EN-MASSE RETRACTION of SIX MAXILLARY ANTERIOR TEETH in LABIAL ORTHODONTICS | Thote A.M., Uddanwadiker R.V., Sharma K., Shrivastava S., Reddy V. | Journal of Mechanics in Medicine and Biology | 2020 | https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082072353&doi=10.1142%2fS0219519419500660&partnerID=40&md5=25d58ebabbdbb71be429aa0e8b35cd7c | Yes |
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