

Government College of Engineering, Salem- 11

(An Autonomous Institution affiliated to Anna University, Chennai)



SELF-STUDY REPORT



CRITERION 3

3.4.3 Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

(Submitted to National Assessment and Accreditation Council)

Self Declaration

This is to certify that the supporting documents for this metric exceed the 5MB upload limit. Therefore, links to sample documents and some samples are provided in the following pages. Any/all Supporting documents will be provided, if required. All links, documents and images are verified and authenticated.

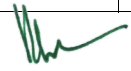


IQAC – Chairperson

**Internal Quality Assurance Cell
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Salem - 636 011.**

**3.4.3 Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years
(from 2018-2019 to 2022-2023)**

Title of Paper	Name of the Author/s	Department of the Teacher	Name of Journal	Year of Publication	ISSN Number	Link to the recognition in UGC enlistment of the Journal		
						Link to website of the Journal	Link to article/paper /abstract of the article	Is it listed in UGC Care list
Structural Performance Of Cold-Formed Steel Composite Beams	Adil Dar M.,M. Anbarasu	Civil Engineering	Steel and Composite Structures	2018-2019	1598-6233	https://www.techno-press.org/	https://www.techno-press.org/content/?page=article&journal=scs&volume=27&num=5&ordnum=2	Scopus
Significant Effects Of Cementitious Materials On Strength Gain Properties Of Concrete With Partial Replacement Of Fine Aggregate By Quarry Dust	V Rajkumar,S Suganya	Civil Engineering	International Journal of Engineering & Technology	2018-2019	2227-524X	https://www.sciencepubco.com/index.php/ijet/index	(PDF) Significant effects of cementitious materials on strength gain properties of concrete with partial replacement of fine aggregate by quarry dust	Scopus
Treatment Of Textile Wastewater By Coagulation-Flocculation Process Using Gossypium Herbaceum And Polyaniline Coagulants	Prakasam Arulmathi, Chellappa Jayaprabha, Periandavan Sivasankar, Vadivel Rajkumar	Civil Engineering	CLEAN: Soil, Air, Water	2018-2019	1863-0669	https://onlinelibrary.wiley.com/journal/18630669	https://onlinelibrary.wiley.com/doi/10.1002/clen.201800464	Scopus
Numerical Investigation On Behaviour And Design Of Cold-Formed Steel Built-Up Column Composed Of Lipped Sigma Channels	M Anbarasu	Civil Engineering	Advances in Structural Engineering	2018-2019	2048-4011	http://ase.sagepub.com/	https://journals.sagepub.com/doi/abs/10.1177/1369433218824499	scopus
Behaviour Of Cold-Formed Steel Built-Up I-Section Columns Composed Of Four U-Profiles	M Anbarasu and M Venkatesan	Civil Engineering	Advances in Structural Engineering	2018-2019	2048-4011	http://ase.sagepub.com/	https://www.researchgate.net/publication/327512773_Behaviour_of_cold-formed_steel_built-up_i-section_columns_composed_of_four_U-profiles	scopus
Behaviour Of Partly Stiffened Cold-Formed Steel Built-Up Beams: Experimental Investigation And Numerical Validation	Dar M.A.,M Anbarasu	Civil Engineering	Advances in Structural Engineering	2018-2019	2048-4011	http://ase.sagepub.com/	https://journals.sagepub.com/doi/10.1177/1369433218782767?cid=int.sj-full-text.similar-articles.3	scopus
Behavior Of Cfs Built-Up Battered Columns: Parametric Study And Design Recommendations	Vijayanand S.,Anbarasu M.	Civil Engineering	Structural Engineering and Mechanics	2018-2019	1598-6217	http://www.techno-press.com/?journal=sem&ubpage=8	https://journals.sagepub.com/doi/10.1177/1369433218782767?cid=int.sj-full-text.similar-articles.3	Scopus
A Study On Content Based Chunking In Data Deduplication On Cloud Storage Environment	S. Ruba and A. M. Kalpana	Computer Science and Engineering	CiIT International Journal of Data Mining and Knowledge Engineering,	2018-2019	0974-9578	http://www.citresearch.org/dl/index.php/dmke/article/view/DMKE102018001	https://www.ijrset.com/upload/2018/may/161_A%20Study.pdf	UGC
STUDY ON EFFECTIVE TRAFFIC ORGANIZATION WITH FUZZY USING NEIGHBOR JUNCTION POINTS	A. M. Kalpana	Computer Science and Engineering	International Journal of Pure and Applied Mathematics	2018-2019	1314-3395	https://acadpubl.eu/	https://acadpubl.eu/jsi/2018-118-14-15/articles/14/22.pdf	UGC
Transcription Correction For Indian Languages Using Acoustic Signatures	Jeena JPrakash ., Golda Brunet Rajan ., Hema Murthy .,	Computer Science and Engineering	Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH	2018-2019	2308457X	https://www.isca-speech.org/	https://www.researchgate.net/publication/327389315_Transcription_Correction_for_Indian_Languages_Using_Acoustic_Signatures	Scopus
A Study On Content Based Chunking In Data Deduplication On Cloud Storage Environment	S. Ruba and A. M. Kalpana	Computer Science and Engineering	CiIT International Journal of Data Mining and Knowledge Engineering,	2018-2019	0974-9578	http://www.citresearch.org/dl/index.php/dmke/article/view/DMKE102018001	http://www.citresearch.org/dl/index.php/dmke/article/view/DMKE102018001	UGC
Feature Selection Using Fish Swarm Optimization In Big Data	R. P. S. Manikandan ., A. M. Kalpana .,	Computer Science and Engineering	Cluster Computing	2018-2019	1386-7857	https://link.springer.com/journal/10586	https://link.springer.com/article/10.1007/s10586-017-1182-z	Scopus
Low Leakage Charge Recycling Technique For Power Minimization In Cntfet Circuits	Manickam Kavitha ., Alagar M. Kalpana .,	Computer Science and Engineering	Acta Polytechnica	2018-2019	1805-2363	https://ojs.cvut.cz/ojs/index.php/ap/article/view/4877	https://www.researchgate.net/publication/331680444_Low_leakage_charge_recycling_technique_for_power_minimization_in_CNTFET_circuits	scopus
Optimal Relocating Of Compensators For Real-Reactive Power Management In Distributed Systems	Chintam J.R.,Geetha V.,Mary D.,Dhanunjaya Rao M.	Electrical and Electronics Engineering	Journal of Electrical Engineering and Technology	2018-2019	2964-7320	https://link.springer.com/journal/42835	https://www.researchgate.net/publication/328850195_Optimal_relocating_of_compensators_for_real-reactive_power_management_in_distributed_systems	Scopus
Magnetotactic Bacteria Moment Migration Optimization Algorithm For Generators Real-Power Rescheduling In Deregulated Power System	Jagadeeswar Reddy Chintam ., V Geetha ., D Mary .,	Electrical and Electronics Engineering	Journal of Computational and Theoretical Nanoscience	2018-2019	1546-1963	http://www.aspbs.com/	https://www.ingentaconnect.com/content/asp/jctn/2018/00000015/00000005/art00006?sessionid=4uisk4s25elt1.x-ic-live-01	Scopus
Humpback Whale Assisted Hybrid Maximum Power Point Tracking Algorithm For Partially Shaded Solar Photovoltaic System	M. Premkumar, and T.R. Sumithira	Electrical and Electronics Engineering	Journal of Power Electronics	2018-2019	2093-4718	https://koreascience.kr/journal/E1PWAX.page	https://koreascience.kr/article/JAKO201835858341873.page	Scopus
*Modelling And Implementation Of Cascaded Multilevel Inverter As Solar Pv Based Microinverter Using Fpga	M. Premkumar, T.R. Sumithira, and R. Sowmya	Electrical and Electronics Engineering	International Journal of Intelligent Engineering and Systems (IJIES),	2018-2019	2515-8082	http://www.emeraldinsight.com/journal/wje	https://www.researchgate.net/publication/324841880_Modelling_and_implementation_of_cascaded_Multilevel_Inverter_as_Solar_PV_Based_Microinverter_Using_FP_GA	Scopus
Implementation Of Solar Pv Based Microconverter With Optimal Mppt Control Under Partial Shading Condition	M. Premkumar, T.R. Sumithira, and R. Sowmya	Electrical and Electronics Engineering	Journal of Electrical Engineering (JEE)	2018-2019	1582-4594	http://www.jee.ro/	http://www.jee.ro/index.php/jee/article/view/WS1509364596W59f7137426b78	Scopus
Generation Scheduling With Large-Scale Integration Of Renewable Energy Sources Using Grey Wolf Optimization	R. Saravanan ., S. Subramanian ., S. SooriyaPrabha ., S. Ganesan .,	Electrical and Electronics Engineering	International Journal of Energy Sector Management	2018-2019	1750-6239	http://www.emeraldinsight.com/info/journals/ijesm/ijesm.jsp	https://www.emerald.com/insight/content/doi/10.1108/IJESM-07-2016-0001/full/html	Scopus
Reliability/Risk Centered Cost Effective Preventive Maintenance Planning Of Generating Units	Umamaheswari E. ., Ganesan S. ., Abirami M. ., Subramanian S. .,	Electrical and Electronics Engineering	International Journal of Quality and Reliability Management	2018-2019	0265-671X	https://www.emerald.com/insight/publication/issn/0265-671X	https://www.emerald.com/insight/content/doi/10.1108/IJQRM-03-2017-0039/full/html	Scopus
Economical Placement Of Pmus Considering Observability And Voltage Stability Using Binary Coded Ant Lion Optimization	Hariprasath Manoharan ., Subramanian Srikrishna ., Ganesan Sivarajan ., Abirami Manoharan .,	Electrical and Electronics Engineering	International Transactions on Electrical Energy Systems	2018-2019	2050-7038	https://onlinelibrary.wiley.com/journal/20507038?journalRedirectCheck=true	https://onlinelibrary.wiley.com/doi/abs/10.1002/etep.2591	Scopus
Multi-Fuel Energy Source Dispatch Considering Bi-Objectives Using Ant Lion Algorithm	Balachandar Pandiyan ., Sivarajan Ganesan ., Nadanasabapathy Jayakumar ., Srikrishna Subramanian .,	Electrical and Electronics Engineering	International Journal of Energy Sector Management	2018-2019	1750-6239	http://www.emeraldinsight.com/info/journals/ijesm/ijesm.jsp	https://www.emerald.com/insight/content/doi/10.1108/IJESM-12-2016-0004/full/html	Scopus


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Thermal Unit Commitment Problem Along With Wind Power Generation By Considering Generator Outages	S. Siva Sakthi ., R.K. Santhi ., N. Murali Krishnan ., S. Ganesan ., S. Subramanian .,	Electrical and Electronics Engineering	Recent Advances in Electrical and Electronic Engineering	2018-2019	2352-0973	https://benthamscience.com/public/journals/recent-advances-in-electrical-and-electronic-engineering	https://www.academia.edu/87787228/Thermal_Unit_Commitment_Problem_along_with_Wind_Power_Generation_by_Considering_Generator_Outages?uc-g-sw=101569003	Scopus & UGC
Preventive Maintenance Scheduling Using Analysis Of Variance-Based Ant Lion Optimizer	Umamaheswari Elango ., Ganesan Sivarajan ., Abirami Manoharan ., Subramanian Srikrishna .,	Electrical and Electronics Engineering	World Journal of Engineering	2018-2019	2515-8082	http://www.emeraldinsight.com/journal/wje	https://www.emerald.com/insight/content/doi/10.1108/WJE-06-2017-0145/full/html	Scopus
Image Registration Based Cervical Cancer Detection And Segmentation Using Anfis Classifier	R.senthilkumar	Electrical and Electronics Engineering	Asian Pacific Journal of Cancer Prevention: APJCP	2018-2019	2476-762X	https://journal.waocp.org/article_73909.html	https://doi.org/10.31557%2FAPJCP.2018.19.11.3203	Scopus
Energy Optimization With Higher Information Quality For Shm Application In Wireless Sensor Networks	Judith M.C. Geoffrine ., V. Geetha .,	Electrical and Electronics Engineering	IEEE Sensors Journal	2018-2019	1530-437X	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=7361	https://ieeexplore.ieee.org/document/8611340	Scopus
Channel Selection Using Glow Swarm Optimization And Its Application In Line Of Sight Secure Communication	A. Franklin Alex Joseph ., C. Govindaraju .,	Electrical and Electronics Engineering	Cluster Computing	2018-2019	1573-7543	https://link.springer.com/journal/10586	https://link.springer.com/article/10.1007/s10586-017-1177-9	Scopus
Channel Selection Using Glow Swarm Optimization And Its Application In Line Of Sight Secure Communication	Dr. Govindaraju C	Electrical and Electronics Engineering	Cluster Computing	2018-2019	1573-7543	https://link.springer.com/journal/10586	https://link.springer.com/article/10.1007/s10586-017-1177-9	Scopus
Design and evaluation of ultra gain isolated DC-DC converter for photovoltaic system	Kathiravan P.,Govindaraju C.	Electrical and Electronics Engineering	International Journal of Engineering and Advanced Technology	2018-2019	2249-8958	http://www.ijeat.org/	https://www.ijeat.org/wp-content/uploads/papers/v8i5/E7870068519.pdf	UGC
A grid connected photovoltaic-fuel cell and super capacitor hybrid energy system	Kathiravan P.,Govindaraju C.	Electrical and Electronics Engineering	International Journal of Recent Technology and Engineering	2018-2019	2277-3878	http://www.ijrte.org/	https://www.ijrte.org/wp-content/uploads/papers/v7i5s4/E117102758419.pdf	UGC
Design And Implementation Of New Topology For Solar Pv Based Transformerless Forward Microinverter	M. Premkumar, and T.R. Smithira	Electrical and Electronics Engineering	Journal of Electrical Engineering and Technology (Springer)	2018-2019	2093-7423	https://link.springer.com/journal/42835	https://link.springer.com/article/10.1007/s42835-018-00036-2	Scopus
Impact Of Attacks And Its Alleviation On Phasor Measuring Units Placement In Power Distribution System Data Communications	Naveenkumar K.,Kannan R.,Ganesan S.,Subramanian S.,Hariprasath M.	Electrical and Electronics Engineering	Journal of Computational and Theoretical Nanoscience	2018-2019	1546-1963	http://www.aspbs.com/	https://www.ingentaconnect.com/contentone/asp/jctn/2019/0000016/000000004/art00007	Scopus
Multi-Objective Generation Expansion And Retirement Planning Using Chaotic Grasshopper Optimisation Algorithm	Ponnambalam Suriya ., Srikrishna Subramanian ., Sivarajan Ganesan ., Manoharan Hariprasath .,	Electrical and Electronics Engineering	Australian Journal of Electrical and Electronics Engineering	2018-2019	448837X	https://www.resurichify.com/impact/details/82643#:~:text=The%20ISSN%20of%20Australian%20Journal,%20print%2Dmedia%20or%20electronic.	https://www.tandfonline.com/doi/abs/10.1080/1448837X.2019.1627738	Scopus
Phasor Measuring Unit (Pmu) Placement Tested With Multiple Line Outages For Power System Data Communications	V Shanmugam ., S Ganesan ., S Subramanian ., M Hariprasath .,	Electrical and Electronics Engineering	Journal of Computational and Theoretical Nanoscience	2018-2019	1546-1963	http://www.aspbs.com/	https://www.ingentaconnect.com/contentone/asp/jctn/2019/0000016/000000004/art00014	Scopus
Generation And Transmission Expansion Management Using Grasshopper Optimization Algorithm	Ponnambalam Suriya ., Srikrishna Subramanian ., Sivarajan Ganesan ., Manoharan Abirami .,	Electrical and Electronics Engineering	Language in India	2018-2019	1847-9790	https://journals.sagepub.com/home/enb	https://journals.sagepub.com/doi/pdf/10.1177/1847979018818320#:~:text=The%20planned%20model%20is%20designed,of%20the%20proposed%20GTEP%20model.	UGC
Development Of A Pedagogical Framework To Analyze The Performance Of Induction Machines	Sridevi R.,Kumar C.,Suresh P.,Ganesan S.,Subramanian S.,Suresh A.	Electrical and Electronics Engineering	International Journal of Electrical Engineering and Education	2018-2019	2050-4578	https://journals.sagepub.com/home/ije	https://journals.sagepub.com/doi/10.1177/0020720919828993	scopus
Medical Image Quality Assessment Using Cso Based Deep Neural Network	Jayageetha J.,Vasanthanayaki C.	Electronics and Communication Engineering	Journal of Medical Systems	2018-2019	1573-689X	https://link.springer.com/journal/10916	https://link.springer.com/article/10.1007/s10916-018-1089-0	Scopus
High Performance Modified Static Segment Approximate Multiplier Based On Significance Probability	Jothin R.,Vasanthanayaki C.	Electronics and Communication Engineering	Journal of Electronic Testing: Theory and Applications (JETTA)	2018-2019	1573-0727	https://link.springer.com/journal/10836	https://link.springer.com/article/10.1007/s10836-018-5748-3	Scopus
High Performance Static Segment On-Chip Memory For Image Processing Applications	Jothin R.,Vasanthanayaki C.	Electronics and Communication Engineering	Journal of Electronic Testing: Theory and Applications (JETTA)	2018-2019	1573-0727	https://link.springer.com/journal/10836	https://link.springer.com/article/10.1007/s10836-018-5742-9	Scopus
Multi Attribute Real Time Traffic Inference Algorithm For Botnet Detection In Mobile Ad Hoc Network	G. Kavitha .,	Electronics and Communication Engineering	Wireless Personal Communications	2018-2019	1572-834X	http://dx.doi.org/10.1007/11277.1572-834X	https://link.springer.com/article/10.1007/s11277-018-5384-3	Scopus
De-Speckling Of Ultrasound Images Using Local Statistics-Based Trilateral Filter	Jayanthi Sree S.,Vasanthanayaki C.	Electronics and Communication Engineering	Journal of Circuits, Systems and Computers	2018-2019	1793-6454	https://www.worldscientific.com/worldscinet/jcsc	https://www.worldscientific.com/doi/abs/10.1142/S0218126619501500	Scopus
Ultrasound Fetal Image Segmentation Techniques: A Review	Jayanthi Sree S.,Vasanthanayaki C.	Electronics and Communication Engineering	Current Medical Imaging Reviews	2018-2019	1875-6603	https://www.eurekaselect.com/journal/33	https://www.eurekaselect.com/article/84349	Scopus
Shape Adaptive Dct Compression For High Quality Surveillance Using Wireless Sensor Networks	Jamunarani M.,Vasanthanayaki C.	Electronics and Communication Engineering	Cluster Computing	2018-2019	1573-7543	https://link.springer.com/journal/10586	https://link.springer.com/article/10.1007/s10586-018-2249-1	Scopus
Fetal Standard Plane Detection In Freehand Ultrasound Using Multi Layered Extreme Learning Machine	Sree S.J.,Vasanthanayaki C.	Electronics and Communication Engineering	Advances in Computerized Analysis in Clinical and Medical Imaging	2018-2019	9.7804E+12	https://www.taylorfrancis.com/books/edit/10.1201/9780429446030/advances-computerized-analysis-clinical-medical-imaging-dinesh-peter-steven-lawrence-fernandes-carlos-eduardo-thomaz?refId=F586368f-f64c-4479-ac2d-109815b53f0c&context=ubx	https://www.taylorfrancis.com/chapters/edit/10.1201/9780429446030-11/fetal-standard-plane-detection-freehand-ultrasound-using-multi-layered-extreme-learning-machine-jayanthi-sree-vasanthanayaki	Scopus
Enhanced Techniques To Secure Medical Image And Data Transit	Uma Maheswari S.,Vasanthanayaki C.	Electronics and Communication Engineering	Lecture Notes in Computational Vision and Biomechanics	2018-2019	978-3-030-00665-5	https://link.springer.com/conference/ismac	https://link.springer.com/chapter/10.1007/978-3-030-00665-5_40	Scopus
Secure Medical Health Care Content Protection System (Smcps) With Watermark Detection For Multi Cloud Computing Environment	Dr. C. Vasanthanayaki	Electronics and Communication Engineering	Multimedia tools and applications	2018-2019	1573-7721	https://link.springer.com/journal/11042	https://link.springer.com/article/10.1007/s11042-019-7724-z	Scopus
Qos Improvement Based Security Enhancement For Link Activity Monitoring Service In Mobile Ad Hoc Network	G. Kavitha .,	Electronics and Communication Engineering	Cluster Computing	2018-2019	1573-7543	https://link.springer.com/journal/10586	https://link.springer.com/article/10.1007/s10586-018-1786-y	Scopus
High Performance Error Tolerant Adders For Image Processing Applications	Jothin R.,Vasanthanayaki C.	Electronics and Communication Engineering	IETE Journal of Research	2018-2019	0377-2063	https://www.tandfonline.com/journals/tijr20	https://www.tandfonline.com/doi/full/10.1080/03772063.2018.1535920	Scopus
First Law And Second Law Analysis Of Al2o3/Tio2 Nano Composite Lubricant In Domestic Refrigerator At Different Evaporator Temperature	Dr. R. Vijayan	Mechanical Engineering	Materials Research Express	2018-2019	2053-1591	https://iopscience.iop.org/article/10.1088/2053-1591/aad72d/meta	https://iopscience.iop.org/article/10.1088/2053-1591/aad72d/meta	Scopus
Performance Of Al2o3/Tio2 Nano Composite Particles In Domestic Refrigerator	Dr. R. Vijayan	Mechanical Engineering	Journal of Experimental Nanoscience	2018-2019	1745-8099	https://www.tandfonline.com	https://www.tandfonline.com/doi/full/10.1080/17458080.2018.1491066	Scopus

A Review On Performance, Emission And Combustion Characteristics Of A Diesel Engine Fuelled With Various Vegetable Oil	Dr. R. Vijayan	Mechanical Engineering	Journal of Experimental Nanoscience	2018-2019	0975-0991	https://nopr.niscpr.res.in/	http://nopr.niscpr.res.in/handle/123456789/44570	Scopus
Experimental Investigation On The Performance And Emission Characteristics Of A Diesel Engine By Varying The Injection Pressure And Injection Timing Using Mixed Biodiesel	S. Arunprasad ., T. Balusamy .,	Mechanical Engineering	International Journal of Green Energy	2018-2019	1543-5083	https://www.tandfonline.com/toc/ijge20/current	https://www.tandfonline.com/doi/abs/10.1080/15435075.2018.1464923	Scopus
Investigations On Machining Of Banana Fibre Reinforced Hybrid Polymer Matrix Composite Materials	Solaiyappan Ayyappan	Mechanical Engineering	Materials today proceeding	2018-2019	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785317327426?via=ihub	Scopus
Vibrational Analysis Of Hybrid Fabric - Reinforced Polymer Matrix Curved Composite Beams	Solaiyappan Ayyappan	Mechanical Engineering	Composites: Mechanics, Computations, Applications: An International Journal	2018-2019	2152-2057	https://www.dl.begellhouse.com/journals/36ff4a142dec96092890239e4262b8d7.0151a85e3a89ab1.html#	https://www.dl.begellhouse.com/journals/36ff4a142dec96092890239e4262b8d7.0151a85e3a89ab1.html#	Scopus
Behaviour Of Hydrogen In Industrial Scale Steel Melts	D. Ravichandrar ., T. Balusamy ., R. Gobinath ., G. Balachandran .,	Mechanical Engineering	Transactions of the Indian Institute of Metals	2018-2019	0972-2815	https://link.springer.com/journal/12666	https://link.springer.com/article/10.1007/s12666-018-1381-1	Scopus
Numerical Investigation Of Unsteady Buoyancy Driven Indoor Air Flow Characteristics Under Various Range Of Internal Heat Generation	Lenin V.R.;Sivalakshmi S.	Mechanical Engineering	International Journal of Environment and Sustainable Development	2018-2019	1474-6778	https://www.inderscience.com/home.php?code=ijesd	https://www.inderscience.com/info/inarticle.php?artid=93243	Scopus
Performance Of A Forced Convection Solar Drier Integrated With Latent Heat Storage Unit	Sivalakshmi S and Karthi K	Mechanical Engineering	International Journal of Research in Engineering and Advanced Research	2018-2019	2320 – 8791	http://www.ijreat.org	https://www.scribd.com/document/430907810/IJREATV6I2013	Scopus
An Analysis Of Diesel Water Emulsion In The Direct Injected Diesel Engine	Raja m	Mechanical Engineering	International Journal of Mechanical and Production Engineering Research and Development	2018-2019	2249-8001	https://www.tjprc.org/journals.php?type=2&id=67	https://issuu.com/tjprc/docs/42ijmperdapr201942	scopus
Experimental Investigation Of Drilling Parameters And Mechanical Behaviour In Glass Fiber With Phenolic Resin Composites	Mohanraj M.;Rajamani G.P.	Mechanical Engineering	Journal of the Balkan Tribological Association	2018-2019	1310-4772	https://scibulcom.net/en/journal/1310-4772	https://www.researchgate.net/publication/327174324_Experimental_investigation_of_drilling_parameters_and_mechanical_behavior_in_glass_fiber_with_phenolic_resin_composites	Scopus
Analysis The Optimum Inlet Air Temperature For Controlling Homogeneous Charge Compression Ignition (Hcci) Engine	Gowthaman S.;Sathiyagnanam A.P.	Mechanical Engineering	Alexandria Engineering Journal	2018-2019	2090-2670	https://www.sciencedirect.com/journal/alexandria-engineering-journal	https://www.sciencedirect.com/science/article/pii/S1110016817302545#:~:text=The%20130%20%C2%BD0C%20inlet,90%20%C2%BD0C%20operated%20engine.	Scopus
Cleaner Emissions From A Di Diesel Engine Fueled With Waste Plastic Oil Derived From Municipal Solid Waste Under The Influence Of N-Pentanol Addition, Cold Egr And Injection Timing	Sathiyagnanam, A. P., Damodharan, D., Rajesh Kumar, B., Ganesh K.C	Mechanical Engineering	Environmental Science and Pollution Research (Springer)	2018-2019	0944-1344	https://link.springer.com/journal/11356	https://link.springer.com/article/10.1007/s11356-018-1558-5	Scopus
Combined Influence Of Injection Timing And Egr On Combustion, Performance And Emissions Of Di Diesel Engine Fueled With Neat Waste Plastic Oil	Sathiyagnanam, A. P., Damodharan, D., Rana, D., Rajesh Kumar, B., & Saravanan, S	Mechanical Engineering	Energy Conversion and management	2018-2019	0196-8904	https://www.sciencedirect.com/journal/energy-conversion-and-management	https://www.sciencedirect.com/science/article/abs/pii/S019689041830058X	Scopus
Effect Of Injection Timing And Cooled Egr On Performance And Emission Characteristics Of A Stationary Single Cylinder Di- Diesel Engine Fueled With N- Butanol/Diesel Blends	Sathiyagnanam, A. P and K.Gopal	Mechanical Engineering	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2018-2019	2321-9653	https://www.ijraset.com/	https://www.ijraset.com/fileservice.php?FID=12943	Scopus & UGC
Effective Utilization Of Waste Plastic Oil In A Direct Injection Diesel Engine Using High Carbon Alcohols As Oxygenated Additives For Cleaner Emissions	Damodharan D.;Sathiyagnanam A.P.;Rana D.;Saravanan S.;Rajesh Kumar B.;Sethuramasamyraja B.	Mechanical Engineering	Energy Conversion and Management	2018-2019	0196-8904	https://www.sciencedirect.com/journal/energy-conversion-and-management	https://www.sciencedirect.com/science/article/abs/pii/S0196890418303352	Scopus
Prediction Of Emissions And Performance Of A Diesel Engine Fuelled With N-Octanol/Diesel Blends Using Response Surface Methodology	Sathiyagnanam, A. P., K.Gopal., Rajesh Kumar, B., Saravanan, S., Rana, D., B.Sethuramasamyraja	Mechanical Engineering	Journal of cleaner production (Elsevier)	2018-2019	0959-6526	https://www.sciencedirect.com/journal/journal-of-cleaner-production	https://www.sciencedirect.com/science/article/abs/pii/S0959652618305262	Scopus
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Effect Of Electrical Discharge Coating On Ze41a Magnesium Alloy Using Sintered Wc/Cu Composite	U. Elaiyaran ., V. Satheshkumar ., C. Senthilkumar .,	Mechanical Engineering	Journal of Advanced Microscopy Research	2018-2019	2156-7573	https://www.ingentaconnect.com/content/asp/jamrjessoid=ggwf0dnbkfb.x-ic-live-03#	https://www.ingentaconnect.com/content/asp/jamrjessoid=ggwf0dnbkfb.x-ic-live-01	Scopus
Modeling Of Electrical Discharge Coating Parameters Using Artificial Neural Network	U. Elaiyaran ., V. Satheshkumar ., C. Senthilkumar .,	Mechanical Engineering	Journal of Advanced Microscopy Research	2018-2019	2156-7573	https://www.ingentaconnect.com/content/asp/jamrjessoid=ggwf0dnbkfb.x-ic-live-03#	https://www.ingentaconnect.com/contentone/asp/jamrjessoid=ggwf0dnbkfb.x-ic-live-01	Scopus
Experimental Analysis Of Electrical Discharge Coating Characteristics Of Magnesium Alloy Using Response Surface Methodology	U Elaiyaran ., V Satheshkumar ., C Senthilkumar .,	Mechanical Engineering	Materials Research Express	2018-2019	2053-1591	https://iopscience.iop.org/journal/2053-1591	https://iopscience.iop.org/article/10.1088/2053-1591/aad11f	Scopus
Influence Of Corrugated Booster Reflectors In A Centrally Finned Twist Inserted Solar Thermal Collector On Heat Transfer And Thermal Performance Characteristics	Dr. R. Vijayan	Mechanical Engineering	Journal of Heat Transfer	2018-2019	2832-8450	https://asmedigitalcollection.asme.org/heattransfer	https://doi.org/10.1080/15435075.2019.1590840	scopus
Investigation Of Modified Horizontal Wing Cut Twisted Tapes Fitted With Rod And Spacer At Trailing Edge On Heat Transfer Properties In Double Glazing V-Trough Solar Water Heaters	Dr. R. Vijayan	Mechanical Engineering	International Journal of Green Energy	2018-2019	1543-5083	https://www.tandfonline.com/journals/ijge20	https://doi.org/10.1080/15435075.2019.1590840	Scopus
Performance Enhancement Of Centrally Finned Twist Inserted Solar Collector Using Corrugated Booster Reflectors	Dr. R. Vijayan	Mechanical Engineering	Energy/ScienceDirect	2018-2019	1873-6785	https://www.sciencedirect.com/journal/energy	https://www.sciencedirect.com/science/article/pii/S0360591718300012	Scopus
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A Smart And Efficient One-Pot Green Synthesis Of Novel 1, 2, 3-Triazolyl Pyrazoline-/Indazolyl-Carbothioamide Hybrids Under Solvent-Free Grinding Strategy At Room Temperature	Dr.K.Saranya	Physics	ChemistrySelect	2018-2019	2365-6549	https://chemistry-europe.onlinelibrary.wiley.com/	https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/slct.201802346	Scopus
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Efficient Cross-Sectional Profiling Of Built Up Cfs Beams For Improved Flexural Performance	Dar M.A.,M Anbarasu	Civil Engineering	Steel and Composite Structures	2019-2020	598-6233	https://www.techno-press.org/	https://www.techno-press.org/content/?page=article&journal=scs&volume=34&num=3&ordernum=2	Scopus
Flexural Strength Of Cold-Formed Steel Built-Up Composite Beams With Rectangular Compression Flanges	Adil Dar M.,M Anbarasu,M. Anbarasu	Civil Engineering	Steel and Composite Structures	2019-2020	598-6233	https://www.techno-press.org/	https://www.techno-press.org/content/?page=article&journal=scs&volume=34&num=2&ordernum=1	Scopus
Improved Design Procedure For Battened Cold-Formed Steel Built-Up Columns Composed Of Lipped Angles	Anbarasu M.	Civil Engineering	Journal of Constructional Steel Research	2019-2020	1873-5983	https://www.sciencedirect.com/journal/journal-of-constructional-steel-research	https://www.sciencedirect.com/science/article/abs/pii/S0143974X19309691	Scopus
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Performance Analysis Of A Non-Inverting Dc Dc Buck-Boost Converter With Pi Controller	M. Sowmiya and D. Murali	Electrical and Electronics Engineering	International Journal of Emerging Technologies in Engineering Research	2019-2020	2454-6410	http://www.ijeter.everscience.org/	https://ijeter.everscience.org/Manuscripts/Volume-7/Issue-7/Vol-7-issue-7-M-02.pdf	scopus
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An Literature Review on Gas Metal Arc Welding (GMAW) of Mild Steel 1018 By Using Taguchi Technique	Prof. Noorullah D., Prof. Vinoth B	Metallurgical Engineering	International Journal for Science and Advance Research In Technology	2020-2021	2395-1052	https://ijsart.com/Home	https://ijsart.com/Content/PDF/Documents/IJSARTV611241739.pdf	UGC
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A LITERATURE REVIEW ON ELECTRON BEAM WELDING	M.Mohamed Jameel ., Dr.B.Anandavel ., Prof.R.Vinoth Babu ., Prof.D.Noorullah	Metallurgical Engineering	International Journal for Science and Advance Research In Technology	2020-2021	2395-1052	https://ijsart.com/Home	https://ijsart.com/Content/PDF/Documents/IJSARTV71850586.pdf	UGC
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A Literature Review of Corrosion on Welding	Dr.B.Anandavel ., Prof.R.Vinoth B	Metallurgical Engineering	International Journal for Science and Advance Research In Technology	2020-2021	2395-1052	https://ijsart.com/Home	https://ijsart.com/Content/PDF/Documents/IJSARTV71850587.pdf	UGC
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Nickel Hexacyanoferrate Film Coated Pencil Graphite Electrode As Sensor And Electrode Material For Environment And Energy Applications	A. Ramachandran	Chemistry	International Journal of Energy Research	2020-2021	1099-114X	https://onlinelibrary.wiley.com/journal/1099114x	https://onlinelibrary.wiley.com/doi/abs/10.1002/er.5640	Scopus
Synthesis Of Novel Corrosion Inhibitor N-(1,3-Benzothiazol-2-Yl)-4-Aminobenzamide In 1 N Hydrochloric Acid Medium	A. Ramachandran	Chemistry	Asian Journal of Chemistry	2020-2021	0975-427X	https://asianpubs.org/index.php/ajchem/index	https://asianpubs.org/index.php/ajchem/article/view/33_3_21	Scopus
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Anticorrosion Behavior Of Zno Nanoparticles Coated On Mild Steel In Nacl Solution	S. Subhasree ., P. Anitha ., K. Kannan ., A. Ramachandran ., J. J. Sheri ., R. Jayavel .,	Chemistry	Journal of Nanoscience and Nanotechnology	2020-2021	1533-4880	http://www.aspbs.com/jnn/	https://www.semanticscholar.org/paper/Anticorrosion-Behavior-of-ZnO-Nanoparticles-Coated-Subhasree-Anitha/f1f9e60f8f5ef8deae6efb27a7cefb2a402437ef	Scopus
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Numerical Study And Design Rule For Axial Capacities Of Pultruded Gfrp Hollow Columns	Dr. M. Anbarasu	Civil Engineering	structures	2021-2022	2352-0124	https://www.sciencedirect.com/journal/structures	https://www.researchgate.net/publication/359256303_Numerical_study_and_design_rule_for_axial_capacities_of_pultruded_GFRP_hollow_columns	Scopus
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Automatic Mask Wearing Detection And Temperature Detection Using Raspberry Pi	Mr.A.SamPATH 1 , Dr. T.R. Sumithira2 ,B.Yogasivashankar3 and J.K.Nithesh Sharma4	Electrical and Electronics Engineering	2th International Conference on Advances in Computing, Control, and	2021-2022	2395-5287	https://www.ebsco.com/	https://scholar.google.co.in/scholar?q=Automatic+mask+wear+ing+detec+ion+using+raspberry+Pi&hl=en&as_sdt=0&as_vis=1&oi=scholar	Scopus
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Elm-Based Shape Adaptive Dct Compression Technique For Underwater Image Compression	Dr. C. Vasanthanayaki	Electronics and Communication Engineering	Computer Systems Science and Engineering	2022-2023	0267-6192	https://www.techscience.com/journal/csse	https://www.techscience.com/csse/v45n2/50382	scopus
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Vacuum Stir Cast Developed Aluminium Alloy Hybrid Nanocomposite Performance Compared With Gravity Cast: Mechanical And Tribological Characteristics Study	A. Baraniraj ., A. P. Sathiyagnanam ., R. Venkatesh ., Melvin Victor De Pours .,	Mechanical Engineering	International Journal of Metalcasting	2022-2023	2163-3193	https://link.springer.com/journal/40962	https://link.springer.com/article/10.1007/s40962-023-01119-1	Scopus
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Mechanical And Tribological Properties Of Snake Grass Fibers Reinforced Epoxy Composites: Effect Of Java Plum Seed Filler Weight Fraction	Ponnusamy Natarajan ., Ponnusamy Rajasekaran ., Manoharan Mohanraj ., Shannugam Devi .,	Mechanical Engineering	International Polymer Processing	2022-2023	0930-777X	https://www.degruyter.com/journal/key/ipp/html?lang=en	https://www.degruyter.com/document/doi/10.1515/ipp-2022-4301/html?lang=en	Scopus
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Multi Objective Optimization Algorithm Based Priority Path Planning Using Trajectory Scheduling Assorted Robotic Network	D. NOORULLAH	Metallurgical Engineering	Periodico di Mineralogia	2022-2023	0369-8963	https://periodicodimineralogia.it/wp-content/uploads/2022/09/202291518.pdf	https://periodicodimineralogia.it/wp-content/uploads/2022/09/202291518.pdf	scopus
An Effective Hybrid Algorithm Based On Modified Cuckoo Search And Firefly For Resource Description Framework Based Sparql Query Language Optimization	D. NOORULLAH	Metallurgical Engineering	Periodico di Mineralogia	2022-2023	0369-8963	https://periodicodimineralogia.it/wp-content/uploads/2022/09/202291518.pdf	https://periodicodimineralogia.it/wp-content/uploads/2022/09/202291518.pdf	scopus
Optimum Tool Traverse Speed Resulting Equiaxed Recrystallized Grains And High Mechanical Strength At Swept Friction Stir Spot Welded Aa7075-T6 Lap Joints	Suresh S.;Natarajan E.;Vinayagamurthi P.;Venkatesan K.;Viswanathan R.;Rajesh S.	Metallurgical Engineering	Lecture Notes in Mechanical Engineering	2022-2023	2195-4364	https://ouci.dntb.gov.ua/en/works/98ZYR5x4/	https://ouci.dntb.gov.ua/en/works/9QJnOp7/	scopus
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Development Of Wheat Husk Biosilica And Characterization Of Its Areca Reinforced Polyester Composite	K. T. Thilagham ., G. Gayathiri Devi ., A. Kadirvel ., D. Kumar .,	Metallurgical Engineering	Biomass Conversion and Biorefinery	2022-2023	2190-6815	https://link.springer.com/journal/13399	https://www.researchgate.net/publication/365603053_Development_of_wheat_husk_biosilica_and_characterization_of_its_areca_reinforced_polyester_composite	Scopus

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An Effective Hybrid Algorithm Based On Modified Cuckoo Search And Firefly For Resource Description Framework Based Sparql Query Language Optimization	S. DHANALAKSHMI, N. MOHANASUNDARARAJ U, T. JESUDAS, D. NOORULLAH	Metallurgical Engineering	Periodico di Mineralogia	2022-2023	0369-8963	https://periodicodimineralogia.it/wp-content/uploads/2022/09/202291515.pdf	https://periodicodimineralogia.it/wp-content/uploads/2022/09/202291515.pdf	scopus
Optimum Tool Traverse Speed Resulting Equiaxed Recrystallized Grains And High Mechanical Strength At Swept Friction Stir Spot Welded Aa7075-T6 Lap Joints	Suresh S.,Natarajan E.,Vinayagamurthi P.,Venkatesan K.,Viswanathan R.,Rajesh S.	Metallurgical Engineering	Lecture Notes in Mechanical Engineering	2022-2023	2195-4364	https://www.springerprofessional.de/lecture-notes-in-mechanical-engineering/1792794	https://www.springerprofessional.de/lecture-notes-in-mechanical-engineering/1792794	Scopus
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A Literature Review on Tig Based Wire Arc Additive Manufacturing	Dr.B. Anandavel	Metallurgical Engineering	International Journal of Innovative Research in Technology	2022-2023	2349-6002	https://ijirt.org/index	https://ijirt.org/master/publishpaper/IJIRT151798_PAPER.pdf	UGC
A Literature Review on Wire Arc Additive Manufacturing using CMT	Dr.B. Anandavel	Metallurgical Engineering	International Journal of Innovative Research in Technology	2022-2023	2349-6002	https://ijirt.org/index	https://ijirt.org/master/publishpaper/IJIRT151767_PAPER.pdf	UGC
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Synthesis And Characterization Studies On The Degradation Of Rhodamine B From Aqueous Solution By Cu-NiO/Ac Nanocomposites	T. Venugopal , A. Ramachandran ,	Chemistry	Desalination and Water Treatment	2022-2023	1944-3986	https://www.deswater.com/home.php	https://www.deswater.com/DWT_abstracts/vol_280/280_2022_188.pdf	Scopus
Synthesis And Characterization Studies On The Degradation Of Rhodamine B From Aqueous Solution By Cu-NiO/Ac Nanocomposites	R. Vaithianathan	Chemistry	Desalination and Water Treatment	2022-2023	1944-3986	https://www.deswater.com/home.php	https://www.deswater.com/DWT_abstracts/vol_280/280_2022_188.pdf	Scopus
A Green Synthesis Of Fe3O4 Nanocomposites Loaded Castor Seed Shell Carbon For Lead(ii) Removal From Water: Equilibrium And Kinetic Studies	R. Vaithianathan, P. Anitha, A. Ramachandran, R.y Sudha	Chemistry	Desalination and Water Treatment	2022-2023	1944-3986	https://www.deswater.com/home.php	https://www.deswater.com/DWT_abstracts/vol_280/280_2022_271.pdf	Scopus
A Green Synthesis Of Fe₃O₄ Nanocomposites Loaded Castor Seed Shell Carbon For Lead(ii) Removal From Water: Equilibrium And Kinetic Studies	Rasappan Vaithianathan , Panneeselvam Anitha , Arumugam Ramachandran , Ramasamy Sudha ,	Chemistry	Desalination and Water Treatment	2022-2023	1944-3986	https://www.deswater.com/home.php	https://www.deswater.com/DWT_abstracts/vol_280/280_2022_271.pdf	Scopus
Synthesis And Characterization Studies On The Degradation Of Rhodamine B From Aqueous Solution By Cu-NiO/Ac Nanocomposites	A. Ramachandran ,	Chemistry	Desalination and Water Treatment	2022-2023	1944-3986	https://www.deswater.com/home.php	https://www.deswater.com/DWT_abstracts/vol_280/280_2022_188.pdf	Scopus
A Green Synthesis Of Fe3O4 Nanocomposites Loaded Castor Seed Shell Carbon For Lead(ii) Removal From Water: Equilibrium And Kinetic Studies	R. Vaithianathan, P. Anitha, A. Ramachandran, R.y Sudha	Chemistry	Desalination and Water Treatment	2022-2023	1944-3986	https://www.deswater.com/home.php	https://www.deswater.com/DWT_abstracts/vol_280/280_2022_271.pdf	Scopus
Structural And Electronic Impacts On Corrosion Inhibition Activity Of Novel Heterocyclic Carboxamides Derivatives On Mild Steel In 1 M Hcl Environment: Experimental And Theoretical Approaches	Arumugam Ramachandran , Panneeselvam Anitha , Sadhasivam Gnanavel ,	Chemistry	Journal of Molecular Liquids	2022-2023	1873-3166	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.sciencedirect.com/science/article/abs/pii/S016773222007565	Scopus

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Synthesis And Characterization Studies On The Degradation Of Rhodamine B From Aqueous Solution By Cu-Nio/Ac Nanocomposites	P. Anitha	Chemistry	Desalination and Water Treatment	2022-2023	1944-3986	https://www.deswater.com/home.php	https://www.deswater.com/DWT_abstracts/vol_280/280_2022_188.pdf	Scopus
A Green Synthesis Of Fe₃O₄ Nanocomposites Loaded Castor Seed Shell Carbon For Lead(Ii) Removal From Water: Equilibrium And Kinetic Studies	Rasappan Vaithianathan ., Panneerselvam Anitha ., Arumugam Ramachandran ., Ramasamy Sudha .,	Chemistry	Desalination and Water Treatment	2022-2023	1944-3986	https://www.deswater.com/home.php	https://www.deswater.com/DWT_abstracts/vol_280/280_2022_271.pdf	Scopus
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A Green Synthesis Of Fe3o4 Nanocomposites Loaded Castor Seed Shell Carbon For Lead(Ii) Removal From Water: Equilibrium And Kinetic Studies	R. Vaithianathan, P. Anitha, A. Ramachandran, R.y Sudha	Chemistry	Desalination and Water Treatment	2022-2023	1944-3986	https://www.deswater.com/home.php	https://www.deswater.com/DWT_abstracts/vol_280/280_2022_271.pdf	Scopus
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A Case Study On Expired Drugs: The Potential Corrosion Inhibitory Activity Of Expired Labetalol Drug In 1m Hcl For Plain Carbon Steel	Dr.T.Venugopal	Chemistry	Indian Journal of Chemical Technology	2022-2023	0975-0991	http://op.niscpr.res.in/index.php/IJCT	https://nopr.niscpr.res.in/bitstream/123456789/61561/1/IJCT%2030%28%29%20180-186.pdf	Scopus & UGC
Comparison Of Activity Of Three Low-Cost Adsorbents For The Removal Of Methylene Blue Dye – Optimization Using Central Composite Design-Response Surface Methodology	Dr.T.Venugopal	Chemistry	Desalination and Water Treatment	2022-2023	1944-3986	https://www.deswater.com/home.php	https://www.deswater.com/DWT_abstracts/vol_296/296_2023_119.pdf	Scopus
Equilibrium And Kinetic Studies On The Removal Of Cadmium(Ii) By Fe<Inf>3</Inf>O<Inf>4</Inf> Loaded Activated Carbon Prepared From Castor Seed Shell	Rasappan Vaithianathan ., Panneerselvam Anitha ., Ramasamy Sudha ., Arumugam Ramachandran .,	Chemistry	Desalination and Water Treatment	2022-2023	1944-3986	https://www.deswater.com/home.php	https://www.deswater.com/DWT_abstracts/vol_306/306_2023_75.pdf	Scopus
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Subaltern Gender Discrimination: Male Chauvinism In Girish Karnad's Nagamandala	Dr. N.K. Vivekanandhan and P. Sakthivel	English	Atishay Kalit	2022-2023	2277-419X	https://www.atishaykalit.in/	https://www.atishaykalit.in/Journals/JULY_2023_1_Main.pdf	UGC


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