

3.3.2. Number of research papers per teachers in the Journals notified on UGC website during the last five years

S. No.	Title of paper	Name of the author/s	Department of the Faculty	Name of journal	Year of publication	ISSN number	Link to website of the Journal	Link to article/paper/abstract of the article
<b>2020 - 2021</b>								
1	Chemo-physico-mechanical characteristics of high-strength alkali-activated mortar containing non-traditional supplementary cementitious materials	M. Sumesh	Civil Engineering	Journal of Building Engineering	2021	2352-7102	<a href="https://www.sciencedirect.com/journal/journal-of-building-engineering">https://www.sciencedirect.com/journal/journal-of-building-engineering</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S2352710221012262">https://www.sciencedirect.com/science/article/abs/pii/S2352710221012262</a>
2	Novel Masonry Grout Incorporating High Volumes of Industrial By-Products: Microstructure Characteristics and Pursuance of Durability Properties	M. Sumesh	Civil Engineering	Architecture, Structures and Construction	2021	2730-9886	<a href="https://www.springer.com/journal/44150">https://www.springer.com/journal/44150</a>	<a href="https://link.springer.com/article/10.1007/s44150-021-00012-x">https://link.springer.com/article/10.1007/s44150-021-00012-x</a>
3	Experimental Study On Self-Curing Concrete Using LECA And Sodium Acrylate	P.V.Premalatha	Civil Engineering	SSRG International Journal of Civil Engineering	2021	2348-8352	<a href="https://www.internationaljournalsssrg.org/IJCE/index.html">https://www.internationaljournalsssrg.org/IJCE/index.html</a>	<a href="https://www.internationaljournalsssrg.org/IJCE/index.html">Experimental Study On Self-Curing Concrete Using LECA And Sodium Acrylate (internationaljournalsssrg.org)</a>
4	Soil Nutrient detection based on Photonic crystal hexagonal resonator for smart Farming	Jeyarani, J	ECE	Brazilian journal of Physics - Springer Publications	2021	0103-9733 (print) 1678-4448 (web)	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://link.springer.com/article/10.1007/s13538-021-00915-6">https://link.springer.com/article/10.1007/s13538-021-00915-6</a>
5	Design of Reconfigurable Tri band antenna for wireless communication	Jeyarani, J	ECE	Journal of Physics-Conference series -IoP publishers	2021	1742-6588 (print) 1742-6596 (web)	<a href="https://iopscience.iop.org">https://iopscience.iop.org</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1717/1/012058/pdf">https://iopscience.iop.org/article/10.1088/1742-6596/1717/1/012058/pdf</a>
6	Intelligent Deep Learning Based Disease Diagnosis Using biomedical tongue images	Dr.S.Shanthi	ECE	Computers, Materials & Continua Tech Science Press DOI:10.32604/cmc.2022.020965	2021	CMC, 2022, vol 70, no 3	<a href="https://www.researchgate.net/scientific-contributions/S-Shanthi-2211224247">https://www.researchgate.net/scientific-contributions/S-Shanthi-2211224247</a>	<a href="https://www.researchgate.net/scientific-contributions/S-Shanthi-2211224247">https://www.researchgate.net/scientific-contributions/S-Shanthi-2211224247</a>
7	Analysis of mechanical properties of cold extruded Al 6061 TiB2 MMCs and validated for finite element analysis	B. Gobalakrishnan, C. Rajaravi, Gobikrishnan Udhayakumar, P. R. Lakshminarayanan & M. SivaneshPrabhu	MECH	Materials Today: Proceedings	2021	2214-7853	<a href="https://www.journals.elsevier.com/materials-today-proceedings">https://www.journals.elsevier.com/materials-today-proceedings</a>	<a href="https://doi.org/10.1016/j.matpr.2020.08.773">https://doi.org/10.1016/j.matpr.2020.08.773</a>

PRINCIPAL

CARE COLLEGE OF ENGINEERING  
No. 27, Thayanur, Trichy-620 009.

2019-2020								
1	Scheduling and Load Balancing using NAERR in Cloud Computing Environment	Arul Sindiya J	CSE	Applied Mathematics & Information Sciences An International Journal	2020	2325-0399	<a href="http://dx.doi.org/10.18576/amis/130317">Natural Sciences Publishing (naturalspublishing.com)</a>	<a href="http://dx.doi.org/10.18576/amis/130317">http://dx.doi.org/10.18576/amis/130317</a>
2	Disaster Management using Free Space Optical Communication System.	Jeyarani, J	ECE	Photonic Network Communication Springer Publications	2020	Electronic:1572-8188 Print ISSN:1387-974X	<a href="https://link.springer.com/article/10.1007/s11107-019-00865-9">https://link.springer.com/article/10.1007/s11107-019-00865-9</a>	<a href="https://link.springer.com/article/10.1007/s11107-019-00865-9">https://link.springer.com/article/10.1007/s11107-019-00865-9</a>
3	Influence of Mechanical Properties on Modal Analysis of Natural Fiber Reinforced Laminated Composite Trapezoidal Plates	D.R. Rajkumar, K. Santhy, K.P. Padmanaban	Mechanical Engineering	Journal of Natural Fibers	2020	ISSN-1544-0478	<a href="https://www.tandfonline.com/doi/abs/10.1080/15440478.2020.1724230">https://www.tandfonline.com/doi/abs/10.1080/15440478.2020.1724230</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/15440478.2020.1724230">https://www.tandfonline.com/doi/abs/10.1080/15440478.2020.1724230</a>
4	Modelling of Ni3 (Ti,V) system through first-principle calculations	K. Santhy, K.V. Vamsi, S. Karthikeyan	Materials science & Engineering	Materials Today: Proceedings	2020	2214-7853	<a href="https://www.journals.elsevier.com/materials-today-proceedings">https://www.journals.elsevier.com/materials-today-proceedings</a>	<a href="https://www.sciencedirect.com/science/article/pii/S2214785319339276">https://www.sciencedirect.com/science/article/pii/S2214785319339276</a>
5	Investigation of Graphite influence on Al/Fe and Al2O3/Fe MetalMatrix Composites	K. Santhy	Materials science & Engineering	Metallofiz. Noveishie Tekhnol.,	2020	1024-1809	<a href="https://mfint.imp.kiev.ua/en/index.html">https://mfint.imp.kiev.ua/en/index.html</a>	<a href="https://mfint.imp.kiev.ua/en/abstract/v42/i04/0565.html">https://mfint.imp.kiev.ua/en/abstract/v42/i04/0565.html</a>
6	Job satisfaction after privatization of higher education: A study with reference to selected Arts & Science colleges Affiliated to Bharathidasan University, Trichy, Tamilnadu.	D.Sugumar	MBA	journal of interdisciplinary Cycle research	2019	0022-1945	<a href="http://www.jicrjournal.com/VOLUME-11-ISSUE-7-JULY-2019/">http://www.jicrjournal.com/VOLUME-11-ISSUE-7-JULY-2019/</a>	<a href="http://www.jicrjournal.com/gallery/8-jicr-july-2019.pdf">http://www.jicrjournal.com/gallery/8-jicr-july-2019.pdf</a>
7	Deformation analysis of suspended type cut off wall of diversion structures	P.V.Premalatha	Civil Engineering	Heliyon	2019	2405-8440	<a href="https://www.sciencedirect.com/journal/heliyon">Aims &amp; scope - Heliyon   ScienceDirect.com by Elsevier</a>	<a href="https://www.sciencedirect.com/journal/heliyon">Deformation analysis of suspended type cut off wall of diversion structures - ScienceDirect</a>

  
**PRINCIPAL**  
**CARE COLLEGE OF ENGINEERING**  
 No. 27, Thayanur, Trichy-620 009.

2018-2019

1	Structural Performance of Concrete Beams with Micro-Reinforcement Strengthened with GFRP Laminates under Monotonic Loading	P.V.Premalatha	Civil Engineering	Journal of Testing and Evaluation. ASTM International	2018	0090-3973	<a href="https://www.astm.org/Journals">https://www.astm.org/Journals</a>	<a href="https://www.astm.org/jte20170714.html">https://www.astm.org/jte20170714.html</a>
2	Numerical Study on deformation of diaphragm cut off Walls under Seepage Forces in Permeable Soils	P.V.Premalatha	Civil Engineering	Computers and Geotechnics, Elsevier	2018	0266-352X	<a href="https://www.journals.elsevier.com/computers-and-geotechnics">https://www.journals.elsevier.com/computers-and-geotechnics</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0266352X18301617">https://www.sciencedirect.com/science/article/abs/pii/S0266352X18301617</a>
3	Study of partially embedded monopile subjected to traverse load on pile axis in layed soil	P.V.Premalatha	Civil Engineering	International Journal of Civil Engineering and Technology	2018	0976-6316	<a href="http://iaeme.org/Home/journal/IJEET">http://iaeme.org/Home/journal/IJEET</a>	<a href="https://iaeme.com/MasterAdmin/Journal_uploads/IJCIET/VOLUME_9_ISSUE_7/IJCIET_09_07_190.pdf">https://iaeme.com/MasterAdmin/Journal_uploads/IJCIET/VOLUME_9_ISSUE_7/IJCIET_09_07_190.pdf</a> External
4	Assessment of Radioactivity in concrete made with E- waste Plastic	P.V.Premalatha	Civil Engineering	Journal of Testing and Evaluation. ASTM International	2018	0090-3973	<a href="https://www.astm.org/Journals">https://www.astm.org/Journals</a>	<a href="https://www.astm.org/DIGITAL_LIBRARY/JOURNALS/TESTEVAL/PAGES/JTE20160006.htm">https://www.astm.org/DIGITAL_LIBRARY/JOURNALS/TESTEVAL/PAGES/JTE20160006.htm</a>
5	Behavior of partial seepage barrier in highly permeable soil	P.V.Premalatha	Civil Engineering	International Journal of Civil Engineering and Technology	2018	0976-6316	<a href="http://iaeme.org/Home/journal/IJEET">http://iaeme.org/Home/journal/IJEET</a>	<a href="http://www.iaeme.com/MasterAdmin/Journal_uploads/IJCIET/VOLUME_9_ISSUE_2/IJCIET_09_02_028.pdf">http://www.iaeme.com/MasterAdmin/Journal_uploads/IJCIET/VOLUME_9_ISSUE_2/IJCIET_09_02_028.pdf</a>
6	A comparison of Geopolymer Concrete blended with steel slag under sunlight and Ambient curing	P.V.Premalatha	Civil Engineering	Asian Journal of Applied Science and Technology (AJAST)	2018	2456-883X	<a href="http://ajast.net">http://ajast.net</a>	<a href="http://ajast.net/data/uploads/3007.pdf">http://ajast.net/data/uploads/3007.pdf</a>
7	Effect of depth variations in deformation characteristics of cutoff walls	P.V.Premalatha	Civil Engineering	International Journal of Civil Engineering and Technology	2018	0976-6316	<a href="http://iaeme.org/Home/journal/IJEET">http://iaeme.org/Home/journal/IJEET</a>	<a href="http://iaeme.com/IJCIET_09_05_069.pdf">IJCIET_09_05_069.pdf (iaeme.com)</a>
8	Generating Organic Manure (compost tea) by Vegetable Waste	S. Haripriya	Civil Engineering	International Journal of Engineering and Technology	2018	2278-0181	<a href="http://iaeme.org/Home/journal/IJEET">http://iaeme.org/Home/journal/IJEET</a>	<a href="http://iaeme.com/generating-organic-manure-compost-tea-by-vegetable-waste-IJERTCONV6IS14015.pdf">generating-organic-manure-compost-tea-by-vegetable-waste-IJERTCONV6IS14015.pdf</a>

*S. P. [Signature]*

**PRINCIPAL**

**CARE COLLEGE OF ENGINEERING**  
No. 27, Thayanur, Trichy-620 009.

9	Decolourisation of Tannery Effluent by Electrochemical Oxidation	S. Haripriya	Civil Engineering	International Journal of Engineering and Technology	2018	2278-0181	<a href="http://iaeme.org/Home/journal/IJEET">http://iaeme.org/Home/journal/IJEET</a>	<a href="https://www.ijert.org/decolourisation-of-tannery-effluent-by-electrochemical-oxidation">https://www.ijert.org/decolourisation-of-tannery-effluent-by-electrochemical-oxidation</a>
10	Job Scheduling in Cloud Computing Based on DGPSO	Arul Sindiya J	CSE	springerprofessional	2018	-	<a href="https://www.researchgate.net/scientific-contributions/J-Arul-Sindiya-springerprofessional.de">Job Scheduling in Cloud Computing Based on DGPSO  springerprofessional.de</a>	<a href="https://www.researchgate.net/scientific-contributions/J-Arul-Sindiya-springerprofessional.de">https://www.researchgate.net/scientific-contributions/J-Arul-Sindiya-springerprofessional.de</a>
11	An Efficient Approach on Constant Human Motion Detection in Survileicne	R. Vanitha	ECE	INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT)	2019	-	<a href="https://www.ijert.org/rticct-2018-volume-6-issue-08">https://www.ijert.org/rticct-2018-volume-6-issue-08</a>	<a href="https://www.ijert.org/research/an-efficient-approach-on-constant-human-motion-detection-in-survileicne-IJERTCONV6IS08028.pdf">https://www.ijert.org/research/an-efficient-approach-on-constant-human-motion-detection-in-survileicne-IJERTCONV6IS08028.pdf</a>
12	Optimization of free vibration analysis on structural plates of fiber reinforced laminated composites`	D.R. Rajkumar, K.P. Padmanaban. & R. Rathan Raj	Mechanical Engineering	International Journal of Rapid Manufacturing	2019	1757-8817	<a href="https://www.inderscienceonline.com/">https://www.inderscienceonline.com/</a>	<a href="https://www.inderscienceonline.com/doi/abs/10.1504/IJRAPIDM.2019.097026">https://www.inderscienceonline.com/doi/abs/10.1504/IJRAPIDM.2019.097026</a>
13	Influence of natural fiber powders with carboxy methyl cellulose on mechanical and physical properties of laminated palte	S.Vengatesh and D.R. Rajkumar	Mechanical Engineering	International Research Journal of Engineering and Technology	2019	2395-0056	<a href="https://www.irjet.net/">https://www.irjet.net/</a>	<a href="https://www.irjet.net/archives/V6i4/IJET-V6i4928.pdf">https://www.irjet.net/archives/V6i4/IJET-V6i4928.pdf</a>
14	The spectroscopic (FTIR, FT-Raman, and NMR) analysis, first-order hyperpolarizability, magnetic susceptibility and HOMO-LUMO analysis of 3-(4-Methylphenyl)-2-phenyl-5-(thiophene-2-ylmethylidene)-2, 5-dihydro-1,2,4-triazin-6(1H)-one	M. Murali1, V. Balachandran2 and B. Narayana3	Physics	International Journal of Scientific Research in Science, Engineering and Technology	2018	2394-4099	<a href="https://ijsrset.com/">https://ijsrset.com/</a>	<a href="https://ijsrset.com/IJSRSET1844431">https://ijsrset.com/IJSRSET1844431</a>
15	Vibrational spectral analysis of -Methyl(2Z)-2-(benzoylamino)-3-(thiophene-2-yl)prop-2-enoate	M. Murali1, V. Balachandran2 and B. Narayana3	Physics	International Journal of Research and Analytical Reviews	Vol No.5, Issue No.3, July 2018	2348-1269	<a href="http://ijrar.com">http://ijrar.com</a>	<a href="http://ijrar.com/upload_issue/ijrar_issue_1330.pdf">http://ijrar.com/upload_issue/ijrar_issue_1330.pdf</a>
16	The Spectroscopic Analysis, Magnetic Susceptibility and HOMO-LUMO of 2-Phenyl-5-(thiophene-2-ylmethylidene)-3-[(E)-(thiophene-2-ylmethylidene)amino]-3,5-dihydro-4H-imidazol-4-one	M. Murali1, V. Balachandran2 and B. Narayana3	Physics	Journal of Applied Science and Computation	2018	1076-5131	<a href="http://j-asc.com">http://j-asc.com</a>	<a href="http://j-asc.com">http://j-asc.com</a>
17	Isolation and characterization of flavonoid from ethanolic extract of leaves of Naravelia zeylanica	Lalitha Easwaran	Chemistry	International Journal of Pharmaceutics & Drug Analysis	2018	2348-8948	<a href="https://ijpda.com/index.php/ijpda">https://ijpda.com/index.php/ijpda</a>	<a href="https://drive.google.com/file/d/14dm-m5.80-f07N&amp;MHIPadCn87nRaaHs6z4/view?usp=sharing">https://drive.google.com/file/d/14dm-m5.80-f07N&amp;MHIPadCn87nRaaHs6z4/view?usp=sharing</a>

502  
**PRINCIPAL**  
**CARE COLLEGE OF ENGINEERING**  
 No. 27, T. K. Nagar, Trichy-626 009.

2017-2018								
1	Influence of change in pile diameter at various locations of a pile group in a Berthing structure	P V Premalatha	Civil Engineering	Indian Journal of Geo-Marine Sciences	2017	0975-1033	<a href="http://nopr.niscair.res.in/handle/123456789/3">http://nopr.niscair.res.in/handle/123456789/3</a>	<a href="http://nopr.niscair.res.in/bitstream/123456789/41993/1/IJMS%204%28%29%201198-1209.pdf">http://nopr.niscair.res.in/bitstream/123456789/41993/1/IJMS%204%28%29%201198-1209.pdf</a>
2	Spectroscopic (FT-IR, FT-Raman, NMR) investigations, MEP and Magnetic Susceptibility of 2,3-diphenyl-5-(thiophen-2-ylmethylidene)-2,5-dihydro-1,2,4-triazin-6(1h)-one	M. Murali	Physics	Elixir Computational Physics	2017	47888-47902	<a href="https://www.elixirpublisher.com/index.php?route=articles/category&amp;path=341_345">https://www.elixirpublisher.com/index.php?route=articles/category&amp;path=341_345</a>	<a href="https://www.semanticscholar.org/document/Spectroscopic-%28FT-IR%2C-FT-Raman%2C-NMR%29-MEP-and-of-Murali-Balachandran/dbb725d3f5c88969889397a9aec0194d794082d7">https://www.semanticscholar.org/document/Spectroscopic-%28FT-IR%2C-FT-Raman%2C-NMR%29-MEP-and-of-Murali-Balachandran/dbb725d3f5c88969889397a9aec0194d794082d7</a>
3	Different types of review approaches in load balancing techniques in cloud computing environment	J. Arul Sindiya	CSE	International Journal of Engineering & Technology	2018	-	<a href="https://www.researchgate.net/publication/332682876_Different_Types_of_Review_Approaches_in_Load_Balancing_Techniques_in_Cloud_Computing_Environment">https://www.researchgate.net/publication/332682876_Different_Types_of_Review_Approaches_in_Load_Balancing_Techniques_in_Cloud_Computing_Environment</a>	<a href="https://www.researchgate.net/publication/332682876_Different_Types_of_Review_Approaches_in_Load_Balancing_Techniques_in_Cloud_Computing_Environment">https://www.researchgate.net/publication/332682876_Different_Types_of_Review_Approaches_in_Load_Balancing_Techniques_in_Cloud_Computing_Environment</a>
4	Customized prediction of heart disease with adaptive Neuro fuzzy Interference System	Dr.S.Shanthi	ECE	International Journal of Advanced research in Computer and Communication Engineering		2278-1021 Vol 6 issue 2 Feb 2017	<a href="https://ijarccce.com/upload/2017/february-17/IJARCCCE%204.pdf">https://ijarccce.com/upload/2017/february-17/IJARCCCE%204.pdf</a>	<a href="https://ijarccce.com/upload/2017/february-17/IJARCCCE%204.pdf">https://ijarccce.com/upload/2017/february-17/IJARCCCE%204.pdf</a>
5	Effect of equivalence ratio on gasification of granular biomaterials in self circulating fluidised bed gasifier.	Ganesh, R., Jaisankar, S., & Sheeba, K. N.	Mechanical Engineering	International Journal of Environment and Sustainable Development	17(2-3). 193-201. (2018).	1474-6778	<a href="https://www.inderscience.com/jhome.php?jcode=ijesd">https://www.inderscience.com/jhome.php?jcode=ijesd</a>	<a href="https://www.inderscienceonline.com/doi/abs/10.1504/IJESD.2018.094025">https://www.inderscienceonline.com/doi/abs/10.1504/IJESD.2018.094025</a>

  
**PRINCIPAL**  
**CARE COLLEGE OF ENGINEERING**  
 No. 27, Thayanur, Trichy-620 009.

2016-2017

1	EFFECTIVENESS OF INFORMATION AND COMMUNICATION TECHNOLOGY: A STUDY WITH REFERENCE TO SELECTED DEEMED UNIVERSITIES IN	Dr.D.Sugumar	MBA	The Online Journal of Distance Education and e-Learning,	2017	-	<a href="https://tojdel.net/">https://tojdel.net/</a>	<a href="https://docs.google.com/document/d/1H2pV98Ja2EcmFQxdSeDYmUwr-DuacjBIRge-zvff0Tc/edit">https://docs.google.com/document/d/1H2pV98Ja2EcmFQxdSeDYmUwr-DuacjBIRge-zvff0Tc/edit</a>
2	Evaluation of Transport Properties of Concrete Made With E-Waste Plastic	P.V.Premalatha	Civil Engineering	Journal of Testing and Evaluation. ASTM International	2016	0090-3973	<a href="https://www.astm.org/Journals">https://www.astm.org &gt; Journals</a>	Evaluation of Transport Properties of Concrete Made With E-Waste Plastic (astm.org)



**PRINCIPAL**  
**CARE COLLEGE OF ENGINEERING**  
No. 27, Thayanur, Trichy-620 009.