

NAME : Dr. N. BALASUNDARAM, M.E., PhD
DESIGNATION : PROFESSOR
ADDRESS : DEPARTMENT OF CIVIL ENGINEERING
KARPAGAM ACADEMY OF HIGHER EDUCATION
(DEEMED TO BE UNIVERSITY)
COIMBATORE - 641 021
E – MAIL : balasundaram49@gmail.com

MOBILE NUMBER : +91 9442130186

LIST OF PUBLICATIONS:

S.No	Authors	Title of the Paper	Name of the Journal	Vol. & Page. No	Year	Indexed in Scopus/Pub med/ EBSCO / Web of Science / Peer Reviewed/others	Impact factor
1.	Dr. N.Balasundaram Mr. Sakthivel	Experimental Investigation on Behaviour of Nano Concrete	International Journal of Civil Engineering and Technology	Vol.7, Issue2, pp-315-320	Mar-Apr 2016	Scopus	9.78
2.	Mr. J. Jenin Rajasingh & Dr. N. Balasundaram	Performance Evaluation of Upflow Anaerobic Packed Bed Reactor for Treatment of Leachate Polluted Groundwater	Advances in natural and Applied Sciences	Vol.10, Issue6, pp-101-109	May 2016	EBSCO	2.7
3.	Mr. A.Asokan & Dr. N. Balasundaram	Optimising the traffic Mobility for Sustainable development for Salem city	International Journal of Engineering Sciences & Research Technology	Vol.5(5)	May 2016	Thomson Reuters	3.785

4.	Mr. A.Babu & Dr. N. Balasundaram	Environmental Impact of Singanallur Lake water	International Journal of Engineering Sciences & Research Technology	Vol.5(6)	June 2016	Thomson Reuters	4.116
5.	Leena A.V , Dr. C. Meiaraj, Dr.N.Balasund aram	BOD/COD a Measure of Dairy Waste Treatment Efficiency- A Case Study	IOSR Journal of Mechanical and Civil Engineering (IOSR- JMCE)	Volume 13, Issue 5 PP 107- 114	Sep. - Oct. 2016	Peer Reviewed	1.8
6.	Leena A.V , Dr. C. Meiaraj, Dr.N.Balasund aram	Assessment of dairy waste treatment Based on sludge volume index technique	International Journal of Civil Engineering and Technology (IJCET)	Volume 7, Issue 5, , pp. 368– 381,	September- October 2016	Scopus	9.7
7.	Dr. N. Balasundaram & Mr. S. Paulraj	Experimental Studies on Strength and Scc Characteristics of Basalt Fiber Reinforced Concrete	International Journal of Civil Engineering and Technology (IJCET)	Volume 8, Issue 1, pp. 704– 711	January 2017	Scopus	9.78
8.	Dr. N. Balasundaram & Mr. A. Asokan	Development of Sustainable Urban Transport Strategies For Salem City	International Journal of Civil Engineering and Technology (IJCET)	Volume 8, Issue 1, pp. 519– 531	January 2017	Scopus	9.78
9.	Dr. N. Balasundaram & Mr. Va. Venugopalan	Comparative study on Biogas production from cow dung food waste and organic wastes	International Journal of Civil Engineering and	Volume 8, Issue 2, pp. 100–106	Feb 2017	Scopus	9.78

			Technology (IJCET)				
10.	V. Johnpaul & Dr. N. Balasundaram	Experimental Study Of Polypropylene Fibre Incorporated Concrete	International Journal Of Innovative Research In Technology	Volume 3, Issue 10, pp-83-87	Mar 2017	Peer review	2.4
11.	K. Tamilselvan & Dr. N. Balasundaram	Experimental Investigation On Flexural Behavior Of Hybrid Fiber Reinforced Concrete Beam	International Journal of Civil Engineering and Technology (IJCET)	Volume 8, Issue 3, pp. 1077–1084	March 2017	Scopus	9.78
12.	Dr.N.Balasundaram and N.D.Hari Hara Madan	Experimental study on contamination of surface and sub-surface water at lakes in and around Coimbatore city	International Journal of Engineering Research and Modern Education	Special Issue PP-235-238	April-2017	Referred Journal	6.52
13.	V.Venugopalan, Dr.N.Balasundaram & B.Chokkalingam	Manufacturing of clay bricks with alum sludge and Granite powder	International Journal of Engineering Research and Modern Education	Special Issue PP-284-287	April-2017	Referred Journal	6.52
14.	S.Hemalatha, V.Venugopalan, Dr. N. Balasundaram	Modernisation of Irrigation Systems	International Journal of Engineering Research and Modern Education	Special Issue PP-239-241	April-2017	Referred Journal	6.52
15.	S. Dayanidhy & Dr. N.	Influence of curing procedures on compression strength	Journals of Mines, Metals and	Vol 65, Issue 4	April 2017		1.86

	Balasudaram	of self-compacting concrete	Fuels			Thomson Reuters	
16.	Leena A.V, Dr.N.Balasundaram, Dr. C. Meiaraj,	Dairy Effluent Treatment Using Earth Worm Bio Technology	Journals of Mines, Metals and Fuels	Vol 65, Issue 4	April 2017	Thomson Reuters	1.86
17.	Mr. S. Paulraj& Dr. N. Balasundaram	Statistical Analysis of Self - Compacting Concrete Impregnated With Coir Fibre	Journals of Mines, Metals and Fuels	Vol 65, Issue 4	April 2017	Thomson Reuters	1.86
18.	N.Kumar&Dr.N .Balasundaram	Efficiency of PAC Water Treatment Plant & Disposal of Its Sludge	International Journal of Applied Engineering Research	Volume 12 PP:3253-3262	June 2017	SCOPUS	0.260
19.	S. Dayanidhy& Dr. N. Balasudaram	Study on Effects of Curing Techniques on Durability Properties of Self-Compacting Concrete with Metakaolin	International Journal of Civil Engineering and Technology (IJCIET)	Volume 8, Issue 8, pp. 790–797,	August 2017	Scopus	9.78
20.	Kumar.N, Dr. N. Balasundaram & Dr. T. Meenambal	A Study on Factors Influencing Landslides in Nilgiris, Tamilnadu, India	International Journal of Civil Engineering and Technology (IJCIET)	Volume 8, Issue 8, pp. 1011–1018,	August 2017	Scopus	9.78
21.	V.Murugesh, Dr.N.Balasundaram	Experimental Investigation On Water Hyacinth Ash As The Partial Replacement Of	International Journal of Civil Engineering and	Volume 8, Issue 9, , pp. 1013–1018	Sep 2017	Scopus	9.78

		Cement In Concrete	Technology (IJCIET)				
22.	S. Vasudevan & Dr. N. Balasundaram	Risk Minimising Strategies to have Successful Investment in Real Estate Business	International Journal of Civil Engineering and Technology (IJCIET)	Volume 8, Issue 10, pp. 1315–1320	October 2017	Scopus	9.78
23.	C. Rajakumar, Dr. N. Balasundaram & T. Meenambal	Chemical and Geotechnical properties of Expansive Soil Stabilized with fly ash and Geotextiles	International Journal of Chemtech Research	Vol.10 No.10 pp.10-26	October 2017	Thomson Reuters	0.34
24.	R. Sakthivel, Dr. N. Balasundaram	Experimental Behaviour of Natural Hybrid Fiber Reinforced Slab with Nano Concrete under Static Loading	International Journal of Applied Engineering Research	Volume 12, Number 23 pp. 13194-13200	Dec 2017	Scopus	0.26
25.	R. Sakthivel, Dr. N. Balasundaram	Behaviour of Nano Silica Powder and Hybrid Fiber Reinforced Concrete Beams with Cyclic Loading	International Journal for Scientific Research & Development	Vol. 5, Issue 09, pp – 766-770	Nov 2017	Peer reviewed	4.4
26.	R. Muthukumar & Dr. N. Balasundaram	Rehabilitation of Distressed Concrete using External prestressing – Experimental Study	International Journal of Applied Engineering Research	Volume 12, Number 15, pp. 4806-4810	Dec 2017	Scopus	0.26
27.	Kumar.N, Dr. N. Balasundaram & Dr. T. Meenambal	A Study on natural disaster impacts on soil in Katterly Watershed Nilgiri District	International Journal of Civil Engineering and Technology (IJCIET)	Volume 9, Issue 1, pp. 407-415	Jan 2018	Scopus	9.78

28.	S. Vasudevan & Dr. N. Balasundaram	Autoclave Aerated Concrete Blocks with Reinforced Concrete frame and Buckling Restrained braced frame under cyclic loading	International Journal of Civil Engineering and Technology (IJCET)	Volume 9, Number 2, pp. 205-214	Feb 2018	Scopus	9.7
29.	V. Venugopalan & N. Balasundaram	Effect of Cowdung Blended with food wastes, Fresh Organic wastes and Dry Organic wastes on Biogas Production	International Journal of Civil Engineering and Technology (IJCET)	Volume 9, Issue 6, pp. 773– 777	Mar 2018	Scopus	9.7
30.	J. Sankar Dr. N. Balasundaram & D. Roopa	Forecast and Prediction Analysis of Solid Waste Generation Rates Using Statistical Models in Salem City	International Journal of Civil Engineering and Technology (IJCET)	Volume 9, Issue 6, pp. 738– 749	June 2018	Scopus	9.7
31.	P. Sivakumar, Dr. N. Balasundaram & K. Vivek	Study on the Performance of White Crystal Stone with Fine Aggregate Flyash Based SCC of Grade M30	International Journal of Civil Engineering and Technology (IJCET)	Volume 9, Issue 7, pp. 1678- 1684	July 2018	Scopus	9.7
32.	K. Tamilselvan, Dr. N. Balasundaram, V. Karthik, S. Suryarakash	An Experimental Investigation On The Strength Characteristics Of Hybrid Fiber Reinforced Self Compacting Concrete	Pakistan Journal of Biotechnology	Vol.15 (4) 957- 960	2018	Scopus	0.47
33.	K. Tamilselvan, Dr. N. Balasundaram & T.S. Kumanan	Experimental Investigation On The Durability Characteristics Of	Pakistan Journal of Biotechnology	Vol. 15 (4) 975- 978	2018	Scopus	0.47

		Hybrid Fiber Reinforced Self Compacting Concrete					
34.	R.Muthukumar, Dr. N.Balasundaram , Neeta.A	Strengthening Of Reinforced Concrete Beams With Steel Reinforcements By NSM System	Pakistan Journal of Biotechnology	Vol 15 (4) 965-968	2018	Scopus	0.47
35.	R. Muthukumar, Dr.N. Balasundaram, Neeta.A	Experimental investigation on behavior of concrete strengthened With GFRP wrapping	Pakistan Journal of Biotechnology	Vol 15 (4) 985-989	2018	Scopus	0.47
36.	E.D. Viswanath N. Balasundaram	Study on Bio Medical Waste Disposal Management in Salem and Introduction of Plasma Pyrolysis Method	Ecology and Ecology, Environment and Conservation	37 (2) PP – 537-542	Mar 2018	Scopus	
37.	E.D. Viswanath N. Balasundaram T. SenthilVadivel	Laboratory Scale Modelling and the Treatment of Biomedical Wastes Through Herbaceuticals for Manure Production	International Journal of Engineering & Technology	7 (3.35) 10-15	Dec 2018	Scopus	
38.	J. Sankar and N. Balasundaram	Analysis of Solid waste and Management system at salem district (India) with Shredding Machines	Ecology and Ecology, Environment and Conservation	37 (2) PP – 243-249	Mar 2018	Scopus	
39.	V.Muruges Dr. N. Balasundaram and Dr. T. SenthilVadivel	Experimental Studies on Durability Studies of Concrete with Partial Replacement of Cement by Water Hyacinth Ash	International Journal of Engineering & Technology	7 (3.35) 22-24	Dec 2018	Scopus	
40.	K. Ravichandran, Dr. R. Sundararajan, Dr. N. Balasundaram,	The Impact of Noyyal River Basin on the Quality of Ground Water in Tiruppur District - A Study	International Journal of Engineering & Technology	7 (3.35) 74-81	Dec 2018	Scopus	

	Dr. T. SenthilVadivel						
41.	V. Muruges, Dr.N.Balasundaram	Experimental Investigation On Properties Of Concrete By Replacing Cement With Water Hyacinth Ash	International Journal of Recent Technology and Engineering (IJRTE)	Volume-7, Issue-6S3 PP: 1847-1849	April 2019	Scopus	5.92
42.	M.Harikaran, Dr. N Balasundaram	Evaluation Of Concrete Using Reshaped Waste Tyre Rubber As Partial Replacement Of Coarse Aggregate	International Journal of Recent Technology and Engineering (IJRTE)	Volume-7, Issue-6S3 PP: 655-660	April 2019	Scopus	5.92
43.	V.Johnpaul ,Dr.N.Balasundharam, S.Sanothini. Pragadheesh ,Kameshwaran J, Satheeshkumar. M, M.Balajimanikandan	An Experimental Study On Flexural Behaviour Of Nano GGBFS Concrete	International Journal of Recent Technology and Engineering (IJRTE)	Volume-7, Issue-6S3 PP: 1744-1747	April 2019	Scopus	5.92
44.	J. Sankar, Dr. N. Balasundaram, D.Roopaa	Municipal Solid Waste Management System In Salem District	International Journal of Recent Technology and Engineering (IJRTE)	Volume-7, Issue-6S3 PP:701-705	April 2019	Scopus	5.92
45.	Johnpaul.V, Dr.N.Balasundaram , Dr. M. Natarajan	Environmental Impact Of Dumping Ggbfs On Lands In Coimbatore	International journal of engineering and advance technology	Vol.8, Issue 8,PP 332-334	June 2019	Scopus	5.97
46.	V. Muruges and N. Balasundaram	Experimental Behaviour Of Water Hyacinth Ash	Ecology Environment	Vol 25, Issue 2 ,	June 2019	Scopus	4.89

		As Partial Replacement Of Cement On Short Column	and Conservation	PP- 677-680			
47.	M. Harikaran and N. Balasundaram	Performance Enhancement Of Concrete By Replacing Coarse Aggregate With Tyre Rubber: A Study	Ecology Environment and Conservation	Vol 25, Issue 2 , PP- 702-705	June 2019	Scopus	4.89
48.	Johnpaul V., N. Balasundaram, Anima M., Avishkar T. and Devaanand K.C.	An Experimental Study On Fire Resistant Concrete Using Mineral Admixture	Ecology Environment and Conservation	Vol 25, Issue 2 , PP- 718-720	2019	Scopus	4.89
49.	M.Harikaran, N Balasundaram	Deflection Behaviour of RC Beams using Reshaped Waste Tyre Rubber as Partial Replacement of Coarse Aggregate	International Journal of Recent Technology and Engineering (IJRTE)	Volume-8 Issue-2, PP- 4392-4395	July 2019	Scopus	5.92
50.	V. Muruges, N. Balasundaram	Bonding Characteristics of water Hyacinth ash on Concrete by replacing cement	International Journal of Recent Technology and Engineering (IJRTE)	Volume-8 Issue-2, PP- 4977-4979	July 2019	Scopus	5.92
51.	K. Tamilselvan, Dr. N. Balasundaram	Seismic And Structural Behavior of Rcc Beams Made With Hybrid Fibre Reinforced Self Consolidating Concrete	International Journal of Recent Technology and Engineering (IJRTE)	Vol.8 PP. 2849-2854	2019	Scopus	5.92
52.	R. Muthukumar, N. Balasundaram	The Structural Performance of Externally Strengthened RCC Beams Made With GPC	International Journal of Recent Technology and Engineering (IJRTE)	Vol.8 PP. 2855-2860	2019	Scopus	5.92
53.	P. Sivakumar, N. Balasundaram,	The Structural Performance of RCC Beams Made With M30	International Journal of Recent	Vol.8 PP. 2844-	2019	Scopus	5.92

	V.Karthik&K.Vivek	Grade SCC Mix While Fine Aggregate Is Partially Replaced By Crystal Stones	Technology and Engineering (IJRTE)	2848			
54.	T.V. Arul Prakash, Dr. M. Natarajan,Dr. N. Balasundaram, Dr.V.Karthik	Evaluating The Structural Performance Of Self Consolidating Concrete Made With Concrete Debris As Aggregate	International Journal of Recent Technology and Engineering (IJRTE)	Volume-7, Issue-6S3 PP:711-716	April 2019	Scopus	5.92
55.	E.D. Viswanath, Dr. N. Balasundaram	Preliminary Evaluation of novel mediated green intention for the treatment of biomedical waste obtained from salemcity ,Tamilnadu	International Journal of Recent Technology and Engineering (IJRTE)	Volume-7, Issue-6 PP:7621-625	April 2019	Scopus	5.92
56.	B. Haganesh and Dr.N. Balasundaram	Analysis of Scaffolding Safety in Construction Site and Preventive Actions for Implementation of Safety DOI:10.37200/IJPR/V24I4/PR2020740	International Journal of Psychosocial Rehabilitation ISSN :1475-7192	Volume 24 - Issue 4, Pg.No:7906-7912	April 2020	Scopus	
57.	B. Haganesh and Dr.N. Balasundaram	A Study of safety and general technical issues in the construction industry using statistical approach and remedial measure, DOI:10.31838/jcr.07.19.41	Journal of critical reviews ISSN :2394-5125	Vol.7, Issue 19, 336-344	2020	Scopus	
58.	Raamesh. ASP, Balasundaram. N., Karthik. V.	An Investigation on the Impact of Industrial Wastes as A Replacement for Sand In Fiber-Reinforced M20 Grade Concrete	International Journal of Recent Technology and Engineering (IJRTE)	Volume-9 Issue-3, PP: 497-501	September 2020		