

BIO-DATA - Dr. N. BALASUNDARAM



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3. Institution : Karpagam Academy of Civil Engineering, Cbe -21.
4. Date of Birth : 22.02.1949
5. Gender (M/F/T) : Male
6. Category Gen/SC/ST/OBC : BC
7. Whether differently abled (Yes/No) : * No

8. **Academic Qualification** (Undergraduate Onwards)

S.No.	Program	Degree	Subject	University	Year of passing	Class
1.	Ph.D	-	Environmental Engg	Karpagam Academy of Higher Education	2015	First class
2	PG	M.E	Environmental Engg of Management	Anna University Coimbatore.	2010	First class
3	UG	B.E	Civil Engg	Bharthiyar University	2001	First class
4	+2/DIP	Diploma	Civil Engg	Director of Technical Education	1973	First class

9. **Ph.D thesis title, Institute/Organization/University, Year of Award.**

Thesis title: "COMPARATIVE STUDIES ON THE PERFORMANCE OF VARIOUS TYPES OF FILTER MEDIA USED IN HUASB REACTOR TREATING SAGO WASTE WATER USING EFFECTIVE MICRO

University : Karpagam Academy of Civil Engineering, Coimbatore.

Year of Award : 2015

Number of research scholars Produced : 16
Number of Research Scholars Guiding : 8

10. Work Experience:

S.No.	Positions held	Name of the Organization	From	To
1	Assistant Engineer	Coimbatore City Municipal Corporation	01.06.1977	31.05.2007
2	Assistant Professor	Karpagam Academy of Higher Education	01.07.2010	31.05.2015
3	Professor	Karpagam Academy of Higher Education	01.06.2015	Till Date

11. List of Publications:

S.No	Authors	Title of the Paper	Name of the Journal	Vol. & Page. No Year
1.	Dr. N.Balasundaram Dr. T.Meenambal,	Physico Chemical Analysis Of Ground Water Near Municipal Solid Waste Dumping Sites In Coimbatore City	IRACST – Engineering Science and Technology: An International Journal (ESTIJ)	Vol.2, No.5, Page No. 889-893, Oct 2012
2.	Dr. N.Balasundaram Dr. T.Meenambal,	Anaerobic Treatment Of Sago Waste Water Using Huasb Reactor With Rosette As Carrier	Indian Journal Environmental Protection	Vol.34, No.7, Page No. 553-558 July, 2014
3.	Dr.N.Balasundaram, Dr. T. Meenambal,.	Comparative Study Of Different Media In The Treatment Of Sago Wastewater Using Huasb Reactor	Nature Environmental and Pollution Technology	Vol.13, No.3 , Page No. 511-516, 2014
4.	Dr. N.BalasundaramR. Sakthivel	Experimental Investigation on Behaviour of Nano Concrete	International Journal of Civil Engineering and Technology	Vol.7, Issue2, pp-315-320 Mar-Apr 2016
5.	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 May2016

6.	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
7.	Mr. A.Babu & Dr. N. Balasundaram	Environmental Impact of Singanallur Lake water	International Journal of Engineering Sciences & Research Technology	Vol.5(6) June 2016
8.	Leena A.V , Dr. C. Meiaraj, Dr.N.Balasundaram	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
9.	Leena A.V , Dr. C. Meiaraj, Dr.N.Balasundaram	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
10.	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
11.	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
12.	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 Technology (IJCET)	Volume 8, Issue 2, pp. 100–106 Feb 2017
13.	V. Johnpaul& Dr. N. Balasundaram	Experimental Study Of Polypropylene Fibre Incorporated Concrete	International Journal Of Innovative Research InTechnology	Volume 3, Issue 10, pp-83-87 Mar 2017
14.	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
15.	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
16.	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

17.	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
18.	S. Dayanidhy & Dr. N. Balasudaram	Influence of curing procedures on compression strength of self-compacting concrete	Journals of Mines, Metals and Fuels	Vol 65, Issue 4 April 2017
19.	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
20.	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
21.	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
22.	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
23.	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
24.	V.Muruges, Dr.N.Balasundaram	Experimental Investigation On Water Hyacinth Ash As The Partial Replacement Of Cement In Concrete	International Journal of Civil Engineering and Technology (IJCIET)	Volume 8, Issue 9, , pp. 1013–1018 Sep 2017
25.	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
26.	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
27.	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

28.	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
29.	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
30.	Kumar.N, Dr. N. Balasundaram & Dr. T. Meenambal	A Study on natural disaster impacts on soil in Kattery Watershed Nilgiri District	International Journal of Civil Engineering and Technology (IJCIET)	Volume 9, Issue 1, pp. 407-415 Jan 2018
31.	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 (IJCIET)	Volume 9, Number 2, pp. 205-214 Feb 2018
32.	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 (IJCIET)	Volume 9, Issue 6, pp. 773–777 Mar 2018
33.	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 (IJCIET)	Volume 9, Issue 6, pp. 738–749 June 2018
34.	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 (IJCIET)	Volume 9, Issue 7, pp. 1678-1684 July 2018
35.	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
36.	K. Tamilselvan, Dr.N. Balasundaram & T.S. Kumanan	Experimental Investigation On The Durability Characteristics Of Hybrid Fiber Reinforced Self Compacting Concrete	Pakistan Journal of Biotechnology	Vol. 15 (4) 975-978 2018
37.	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
38.	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

39.	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
40.	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
41.	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
42.	V.Murugesh 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
43.	K. Ravichandran, Dr. R. Sundararajan, Dr. N. Balasundaram, Dr. T. SenthilVadivel	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
44.	V. Murugesh, 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
45.	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
46.	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
47.	J. Sankar, Dr. N. Balasundaram, D.Roopa	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
48.	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
49.	V. Murugesh and N. Balasundaram	Experimental Behaviour Of Water Hyacinth Ash As Partial Replacement Of Cement On Short Column	Ecology Environment and Conservation	Vol 25, Issue 2 , PP- 677-680 June 2019

50.	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
51.	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
52.	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
53.	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
54.	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
55.	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
56.	P. Sivakumar, N. Balasundaram, V.Karthik&K. Vivek	The Structural Performance of RCC Beams Made With M30 Grade SCC Mix While Fine Aggregate Is Partially Replaced By Crystal Stones	International Journal of Recent Technology and Engineering (IJRTE)	Vol.8 PP. 2844-2848 2019
57.	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
58.	E.D. Viswanath, Dr. N. Balasundaram	Preliminary Evaluation of novel mediated green intention for the treatment of biomedical waste obtained from salem city , Tamilnadu	International Journal of Recent Technology and Engineering (IJRTE)	Volume-7, Issue-6 PP:7621-625 April 2019
59.	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
60.	B. Haganesh and Dr.N. Balasundaram	A Study of safety and general technical issues in the construction industry using	Journal of critical reviews ISSN : 2394-5125	Vol.7, Issue 19, 336-344 2020

		statistical approach and remedial measure, DOI:10.31838/jcr.07.19.41		
61.	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
62.	V. Johnpaul, C R. Jayakumar, R. Sindhu, N. Balasundaram and S. Solai Mathi	Preparation of Inundation Maps by Developing Unsteady Flow Model of Pamba River- Decision Support System for Disaster Management	IOP Conf. Series: Materials Science and Engineering	Dec 2020
63.	V Johnpaul, R Abiraami, R Sindhu, N Balasundaram and S. Solai Mathi	High Strength Lightweight Foam Concrete	IOP Conf. Series: Materials Science and Engineering	Dec 2020
64.	S Pratheba, V Johnpaul and N Balasundaram	Study on Environmental Contamination and Assessment of the Impact of Municipal Solid Waste on Soil at the Vellalore Dumping Yard, Coimbatore City.	IOP Conf. Series: Materials Science and Engineering	Dec 2020
65.				