

List of Publications

S.No	Name of the Authors	Title of the paper published	Journal	Volume Issue No	Online link	Year
1.	Venkatesan Govindarajan , R. Sivakumar , Pravin P. Patil, S. Kaliappan, T. Ch Anil Kumar , M. Kannan, and B. Ramesh	Effect of Tungsten Carbide Addition on the Microstructure and Mechanical Behavior of Titanium Matrix Developed by Powder Metallurgy Route	Advances in Materials Science and Engineering	Vol.2022,	https://doi.org/10.1155/2022/2266951	March 2022
2.	S.Santhoshkumar & J.Saravanan	Flexural Performance of Recycled Coarse Beams Made With Recycled Coarse Aggregate Incorporating Alccofine	Journal of Environmental Protection and Ecology	Vol.23, No.1, pp.119–129	https://scibulcom.net/en/article/UAdbTF3eIjgh4AaGc978	February 2022
3.	N. Thamaraiselvi, N. Sakthieswaran , O. Ganesh Babu	Improving the performance of mortar containing industrial wastes	Materials Today: Proceedings	Volume 37 Part 2	https://doi.org/10.1016/j.matpr.2020.06.294	February 2021
4.	S Sangeetha, N.Sakthieswaran , O Ganesh Babu	Effect of steel fibre on fracture toughness of concrete	Materials Today: Proceedings	Volume 37 Part 2	https://doi.org/10.1016/j.matpr.2020.06.289	February 2021
5.	R Gajendra Rajan, N Sakthieswaran , O Ganesh Babu	Experimental investigation of sustainable concrete by partial replacement of fine aggregate with treated waste tyre rubber by acidic nature	Materials Today: Proceedings	Volume 37 Part 2	https://doi.org/10.1016/j.matpr.2020.06.279	February 2021
6.	M Abarna Munisha, N Sakthieswaran , O Ganeshbabu, KK Gaayathri	Experimental study on effects of natural admixture on blended mortar	Materials Today: Proceedings	Volume 37 Part 2	https://doi.org/10.1016/j.matpr.2020.06.284	February 2021
7.	J Ponnaiah, N Sakthieswaran , O Ganesh Babu, KK Gaayathri	Natural admixture in blended mortar-mechanical properties study	Materials Today: Proceedings	Volume 37 Part 2	https://doi.org/10.1016/j.matpr.2020.06.293	February 2021

8.	M Mathavan, N Sakthieswaran, O Ganesh Babu	Experimental investigation on strength and properties of natural fibre reinforced cement mortar	Materials Today: Proceedings	Volume 37 Part 2	https://doi.org/10.1016/j.matpr.2020.06.295	February 2021
9.	D Shanmuga Priya, N Sakthieswaran, O Ganesh Babu	Experimental study on mortar as partial replacement using sawdust powder and GGBS	Materials Today: Proceedings	Volume 37 Part 2	https://doi.org/10.1016/j.matpr.2020.06.292	February 2021
10.	Mohamed Thameem Ansari, N Sakthieswaran, O Ganesh Babu	Experimental study of an eco-friendly concrete by inbuilt with treated crumb rubber	Materials Today: Proceedings	Volume 37 Part 2	https://doi.org/10.1016/j.matpr.2020.06.287	February 2021
11.	R Aswin Maria Sebal, N Sakthieswaran, O Ganesh Babu, KK Gaayathri	Effect of micro silica and ground granulated blast furnace slag on performance of rubberized mortar	Materials Today: Proceedings	Volume 37 Part 2	https://doi.org/10.1016/j.matpr.2020.06.278	February 2021
12.	V Punitha, N Sakthieswaran, O Ganesh Babu	Experimental investigation of concrete incorporating HDPE plastic waste and metakaolin	Materials Today: Proceedings	Volume 37 Part 2	https://doi.org/10.1016/j.matpr.2020.06.288	February 2021
13.	O Ganesh Babu, TR Danya, N Sakthieswaran, P Suresh, U Muthuraman	Sustainable Characteristics of Fly Ash Based Geopolymer Concrete Incorporating Alccofine, Zeolite and Rubber Fibers	Romanian Journal of Materials	Volume 51 Issue 1 pp.17-24	https://solacolu.chim.upb.ro/pg17-24.pdf	January 2021
14.	Sakthieswaran N & Sophia M	Prosopisjuliflora fibre reinforced green building plaster materials – an eco-friendly weed control technique by effective utilization	Environmental Technology & Innovation (Elsevier)	Vol. 20, pp. 1-10	https://doi.org/10.1016/j.eti.2020.101158	November 2020
15.	Danya T R & Sakthieswaran N	Effect of fly ash and metakaolin on the strength and stability Characteristics of Self Compacting Concrete	Romanian Journal of Materials	Vol.50 No.04, pp. 531-536	https://solacolu.chim.upb.ro/pg531-536.pdf	October 2020

16.	Sakthieswaran N & Renisha M	Mutual Effect of Coal Bottom Ash and Recycled Fines on Reactive Powder Concrete	Romanian Journal of Materials	Vol. 50, pp. 395-402	https://www.proquest.com/docview/2445994136?pq-origsite=gscholar&fromopenview=true	July 2020
17.	Sakthieswaran N, Jeyamurugan A, Sophia M & Suresh P	Effect of Elevated Temperatures on The Properties of Nano Alumina Modified Concrete Containing Zircon Sand as Fine Aggregate	Romanian Journal of Materials	Vol. 50, pp. 175-182	https://solacolu.chim.upb.ro/pg175-182.pdf	April 2020
18.	Sakthieswaran N, Dhanaraj R & Suresh P	Copper Slag-Silica Fume blended fibre Concrete - An Eco-friendly Healthy alternative for conventional Cement Concrete	Romanian Journal of Materials	Vol. 50, pp. 81-89	https://www.proquest.com/docview/2383524411?pq-origsite=gscholar&fromopenview=true	January 2020
19.	Adhavanathan, T. Neelaveni, R.	Experimental study on Fibre and Fly Ash based interlocking bricks	South Eastern University of Sri Lanka, University Park, Oluvil, Sri Lanka	9th International Symposium pp.94-100	http://ir.lib.seu.ac.lk/handle/123456789/3921	November 2019
20.	Sophia M & Sakthieswaran N	Waste Shell Powders as Valuable Bio- Filler in Gypsum Plaster – Efficient Waste management Technique by Effective Utilization	Journal of Cleaner Production (Elsevier)	Vol. 220, pp. 74-86	https://www.sciencedirect.com/science/article/abs/pii/S0959652619305086	May 2019
21.	Sakthieswaran N & Shiny Brintha G	An approach to study the inter-relationship between Mechanical and Durability properties of Ternary blended cement concrete using linear Regression Analysis	Mathematical Biosciences and Engineering	Vol. 16, no.5, pp. 3734 - 3752	https://pubmed.ncbi.nlm.nih.gov/31499634/	April 2019
22.	Sophia M & Sakthieswaran N	Synergistic effect of mineral admixture and bio-carbonate fillers on the physico-mechanical properties of gypsum plaster’, Construction and Building Materials (Elsevier)	Materials (Elsevier)	Vol. 179, pp.419 - 439	https://doi.org/10.1016/j.conbuildmat.2019.01.160	April 2019

23.	Sakthieswaran N, Nagendran N & Sophia M	Experimental investigations on the properties of epoxy resin bonded cement concrete containing sea sand as fine aggregate	Materials (MDPI)	Vol.12, pp. 1-14	https://www.mdpi.com/1996-1944/12/4/645	February 2019
24.	SakthieswaranN & Priyanka M	Synergistic effect of marble powder and green sand on the mechanical properties of metakaolin-cement concrete	Materials (MDPI)	Vol.12, pp. 1-17	https://doi.org/10.3390/ma12030476	February 2019
25.	Sakthieswaran N, Muthuraman U, Suresh P & Sophia M	Performance of nano-silica modified self compacting waste glass mortar at normal and elevated temperatures environment	Materials (MDPI)	Vol.12, pp. 1-15	https://doi.org/10.3390/ma12030437	January 2019
26.	R.Vijayakumar & V.Sekaran	Impact of Check Dam in Groundwater level and Water Quality of Vaigai River Madurai District, Tamil Nadu, India	Indian Journal of Ecology	Vol.46, No1 pp.29-33	-----	January 2019
27.	T.Natarajan & V.Sekaran	Assessment of Ground Water Quality Based on Socio Economical Activities in Cauvery River Bed of Tamil Nadu	Indian Journal of Ecology	Vol.46, No.1 pp. 23-28	-----	January 2019

Details of Books and Book chapters

Sl. No.	Name of the Author	Title of the Book / Chapter published	Year & month	ISBN of the Book	Name of the Publisher
1.	Dr.S.Anand Kumar Varma & A.Pirakasam	Approaches to Universal Harmony	2022 January	978-62-04737-87-4	Lambert Academic Publishing
2.	A.Arjunan, Dr.J.Thivya & Dr.J.Vijayaraghavan	Essentials of Ground water Engineering	2022 January	978-62-04735-74-0	Lambert Academic Publishing
3.	K. R. Manjula & Dr.S.Anand Kumar Varma	Book Chapter: Computational and Bio-Engineering Title: Real-Time Video Tracking Framework With Moving Object Segmentation in Stream Data	2021 January	978-981-16-1941-0	Springer - sereis
4.	Dr.S.Anand Kumar Varma	The Prospects of Human Rights	2021 May	978-62-03860-70-2	Lambert Academic Publishing
5.	Dr.S.Anand Kumar Varma	Climate Change and its Impact	2020 June	978-93-89878-14-1	Sri Krishna Hitech Publishing Company Pvt.Ltd
6.	Dr.S.Anand Kumar Varma, Manjula K R & JayatoNayak	Book Chapter: Advances in computational and Bio-Engineering Title: Prediction of NO _x Concentration in the Vicinity of Cement Industry Employing AERMOD Dispersion Modeling	2020 July	978-30-30469-43-6	Springer - sereis
7.	JayatoNayak, Parimal Pal, Zunipa Roy, Sankha Chakrabortty, PinakiDey, Siddhartha Pandey, Dr.S.Anand Kumar Varma & K. Subashini	Book Chapter: Green Innovation, Sustainable development, and Circular Economy Title: Aerobic synthesis of value – added organic acid : roots towards sustainable industrialization	2020 September	978-03-67441-74-6	CRC Press Taylor and Francis Group

Details of Patents registered

Sl. No	Title of the invention	Date of filing of Application	Application No.	Date of Publication
1.	An Integrated Smart Shoes for Healthcare	15/04/2021	202141017507 A	23/04/2021
2.	Septic Tank Water Recycling System using Coconut coir and Construction & Demolished Waste	09/11/2020	202041048758 A	13/11/2020
3.	High Performance Air Purifier using Human Hair and Vetiver (Chrysopogan Zizanioides) as Filter Media	16/12/2019	201941051988 A	03/01/2020

List of Faculty with Supervisor recognition

Sl. No	Faculty Name	Designation	Registered University
1.	Dr.S.Anand Kumar Varma	Professor & Head	Anna University
2.	Dr.V.Sekaran	Professor	Anna University
3.	Dr.R.Sivakumar	Professor	Anna University
4.	Dr.N.Sakthieswaran	Professor	Anna University

List of Faculty pursuing Ph.D

S. No	Name of the Scholar	University
1.	Malliga.P	Annamalai University
2.	Balasubramani.V	Anna University
3.	Arjunan.A	Anna University
4.	Shyam Sundar.S	Anna University
5.	Sentamilmaran.K	Anna University
6.	Santhoshkumar.S	Annamalai University
7.	Ashwini.B	Annamalai University