


## FACULTY PROFILE

<b>Name of Teaching Staff / RMK ID</b>	Dr. L. Andal / T1133			
<b>Designation</b>	Professor			
<b>Department</b>	Civil Engineering			
<b>Date of Joining the Institution</b>	10.06.2024			
<b>Qualifications</b>	B.E Civil Engineering	M.E Structural Engineering	Ph.D in Civil Engineering	
<b>Total Experience</b>	Overall : 31 Years			
<b>Papers Published in Journal</b>	Overall : 18			
<b>List of Papers Published</b>	<ol style="list-style-type: none"> <li>1. L. Andal, "Modelling of groundwater quality in Madurai using Ann," Lecture Notes in Civil Engineering, Springer, Vol:464 <a href="https://doi.org/10.1007/978-981-97-0910-6_29">https://doi.org/10.1007/978-981-97-0910-6_29</a> ISBN:978-981-97-0909-0</li> <li>2. L. Andal, "Crack width Prediction of RC Beams by Artificial Neural Networks," Materials Today: Proceedings, Elsevier, 2023, 2214-7853 <a href="https://doi.org/10.1016/j.matpr.2023.05.377">https://doi.org/10.1016/j.matpr.2023.05.377</a></li> <li>3. L. Andal, "Batch, Thermodynamic and regeneration studies of reactive glue 19 using reticulate (Biochar)," Desalination and Water Treatment Science and Engineering, 2022, pp. 267(9), 231-239. doi: 10.5004/dwt.2022.28667</li> <li>4. L. Andal, "Prototype of Light weight concrete wall panels incorporating Phase change material (PCM)," 14th Scientific and Technical Conference Energodom 2022, 2022.</li> <li>5. L. Andal, "Behavior of Polypropylene and Steel Fibre Reinforced High Strength Concrete Exterior Beam Column Joint," Material Research Proceedings, 2022, Vol. 23, No. 148.</li> <li>6. L. Andal, "Behaviour of Polypropylene and Steel Fibre Reinforced High Strength Concrete Exterior Beam Column Joint," Sustainable Materials and Smart Practices: NCSMSP-2021, 2022, received Best Paper Award.</li> <li>7. L. Andal, "Evaluation of the performance of packed bed column for heavy metal ion removal using rice husk powder coated with iron oxide nano-particles," Global Nest Journal, 2022, Vol. 24(3), pp. 474-486, <a href="https://journal.gnest.org/">https://journal.gnest.org/</a> <a href="https://doi.org/10.30955/gnj.004331">https://doi.org/10.30955/gnj.004331</a></li> </ol>			

	<p>8. L. Andal, "Sustainable Light weight green concrete blocks fabricated using disparate foaming agents," International Journal of New Innovations in Engineering and Technology, 2020, Vol. 13(4), May 2020, pp. 23-28, ISSN: 2319-6319.</p> <p>9. L. Andal, "Investigation of Phase changing material implementation over Construction materials," International Research Journal of Engineering and Technology (IRJET), 2019, Vol. 6(10), October 2019, pp. 1-5, ISSN: 2395-0072.</p> <p>10. L. Andal, L. Ponraj Sankar, "An experimental study on compressive strength of fine grinded fly ash admixed concrete," International Journal of Civil Engineering and Technology (IJCIET), 2018, Vol. 9(13), pp. 1138-1141.</p> <p>11. L. Andal, L. Ponraj Sankar, "Investigation on ecofriendly binder with fine grinded fly ash as pozzolanic replacement," Ecology, Environment and Conservation, 2018, Vol. 24, pp. S232-S236.</p> <p>12. L. Andal, K. Senthamaraikannan, "An investigation on strength development of cement with cenosphere and silica fume as pozzolanic replacement," Advances in Materials Science and Engineering, 2016, Vol. 2016, 5 pages.</p> <p>13. L. Andal, K. Senthamaraikannan, "A study on setting time and strength of cement with cenosphere and silica," Journal of Applied Engineering Research, 2015, Vol. 10(55), pp. 4231-4235, <a href="https://doi.org/10.1155/2016/9367619">https://doi.org/10.1155/2016/9367619</a> ISSN: 1687-8434</p> <p>14. L. Andal, M. Bagyalakshmi, A. V. Deepan Chakravarthi, "Studies on impact of copper slag as fine aggregate replacement in concrete pavement," Journal of Applied Engineering Research, 2015, Vol. 10(12), pp. 30943-30952.</p> <p>15. L. Andal, M. Bagyalakshmi, A. V. Deepan Chakravarthi, "Durability of concrete pavement with partial replacement of fine aggregate by copper slag," Journal of Applied Engineering Research, 2015, Vol. 10(15), pp. 35701-35703.</p> <p>16. L. Andal, M. S. Palanichamy, M. Sekar, V. Vanitha, "Analysis of trough shaped ferrocement roofing elements using ANSYS," NBM&amp;CW, 2009, Vol. 15, pp. 176-178.</p> <p>17. L. Andal, N. Sureshkumar, P. Rajeswari, A. Gopinath, "Analysis of EMI shielding Effectiveness of Building Materials," EEIJ, An International Journal of Electrical Engineering, 2014, Vol. 1(1), pp. 11-19.</p> <p>18. L. Andal, M. S. Palanichamy, M. Sekar, "Durability of Polymer and flyash modifies ferrocement elements," Indian Concrete Institute, 2007, Vol. 8, pp. 7-12.</p>	
<p><b>Papers Presented in Conferences</b> (Scopus / WoS indexed only)</p>	<p>Overall : 4</p>	

<b>Ph.Ds / Projects Guided</b>	Ph.Ds Guided : 2	Student Projects Guided : 53
<b>Books Published :</b>	Count : nil	
	List : -	
<b>Patents</b>	Published Count : 1	Granted Count : 1
	List : 1. Dr.L.Andal “CSFB- Material Cold Setting Fly Ash Building Construction Materials” Application No. 202041000844 dated 08/01/2020 published on 17/01/2020 2. Dr.L.Andal, “Solarized Opposingly Foldable Wall Awning” Application No. 79556-001, granted on 17.02.2024.	
<b>Professional Memberships</b>	Count : 3	
	List : 1. Life member of ISTE (LM14471) 2. Life member of ICI (LM5279) 3. Institution of Engineers (India) F 1220575	
<b>Consultancy Projects Completed</b>	Count : 20	
<b>Awards Received</b>	Count : 9	
	1. Participated in concrete cube competition conducted by ACCE, and won the "Special Appreciation Award" for making ultra-high strength concrete during Sep. 2000. 2. The project titled “Design of an aesthetic and cost effective steel intensive dhaba” won Third prize in national level competition conducted by INSDAG in Kolkatta on 22ndJuly 2006. 3. Designed Low cost Individual Household Toilet with pre – fabricated elements that can be constructed in one day. Received overwhelming response from public and encouragement from Government officials to promote it under Swachh Bharat Scheme. Constructed 10 toilets in a day in Panaiyur village in Madurai on 25.03.2017. 4. Acted as reviewer for the International Journal Construction and Building Materials 5. Approved Supervisor of Anna University, Chennai (Ref No: 2810031) 6. Programme Co-ordinator for ME Infrastructure Engineering in PSG College of Technology, Coimbatore for the academic year	

	<p>2018 – 19.</p> <p>7. Acted as Chair Person for Anna University Affiliation committee in the year 2019.</p> <p>8. Delivered Webinar On “Public Private Partnership in Infrastructure Development” at KPR Institute of Engineering and Technology, Coimbatore on 30.05.2020</p>
<b>Research grants Received</b>	<ol style="list-style-type: none"> <li>1. "Indigenisation of Design and Manufacture of Magnesium Oxide Board for Rapid and Affordable House Construction" (TPN/79346), funded by the Technology Development Programme, DST, New Delhi. Duration: 3 years. Amount: Rs. 40.86 lakh.</li> <li>2. "Development of PCM encapsulated lightweight aggregate wall panels for thermal comfort in buildings," funded by the India-Poland Inter-Governmental Science &amp; Technology Cooperation Programme, Joint Research Project, DST, New Delhi. Duration: 2 years. Amount: Rs. 9 lakh. Status: Ongoing.</li> <li>3. "Conductive concrete blocks from industrial waste as electromagnetic shielding material," funded by DST, New Delhi. Duration: 3 years. Amount: Rs. 27.59 lakh. Status: Completed (DST rated the project 9 out of 10).</li> </ol>
<b>Google Scholar Link / ID</b>	ID : <a href="https://scholar.google.com/citations?user=hyOmLEcAAAAJ&amp;hl=en&amp;oi=sra">https://scholar.google.com/citations?user=hyOmLEcAAAAJ&amp;hl=en&amp;oi=sra</a>
<b>Scopus Link / ID</b>	ID : <a href="https://www.scopus.com/authid/detail.uri?authorId=24176685200">https://www.scopus.com/authid/detail.uri?authorId=24176685200</a>
<b>Vidwan Link / ID</b>	<a href="https://vidwan.inflibnet.ac.in/profile/244179">https://vidwan.inflibnet.ac.in/profile/244179</a>
<b>Research Gate Link / ID</b>	<a href="https://www.researchgate.net/profile/Andal-Lakshumiah">https://www.researchgate.net/profile/Andal-Lakshumiah</a>
<b>Orchid link / ID</b>	<a href="https://orcid.org/0000-0002-6910-0240">https://orcid.org/0000-0002-6910-0240</a>