


FACULTY PROFILE

Name of Teaching Staff / RMK ID	S.P.KANNIYAPPAN / T0980		
Designation	Assistant Professor		
Department	Civil Engineering		
Date of Joining the Institution	21.06.2018		
Qualifications	B.E - Civil Engineering	M.E – Construction Engineering and Management	
Total Experience	Overall : 8 Years	in RMK : 5 Years	
Nature of Association (Regular/Contract/Adjunct)	Regular		
Papers Published in Journal	Overall : 33	After Joining RMK : 21	
List of Papers Published	<ol style="list-style-type: none"> 1. S.P.Kanniyappan, J.Keerthi, K.Laavanya, Z.Shahin, K.Bhoomika, “Design and Implementation of Solid Waste Management System”, International Journal of Multidisciplinary Research in Science, Engineering, Technology & Management (IJMRSETM), Pages 1026–1034, Volume-10, Issue- 04, April 2023, ISSN: 2395 - 7639. 2. Kanniyappan S P, Navikaran K, Mohana Krishnan G, Lakshmi Venkateswara Reddy Ch, Hari Haran K, “A case study on statue of unity: Engineering practices and challenges”, Global Journal of Engineering and Technology Advances (GJETA), Pages 43–46, Volume-14, Issue- 02, February 2023, ISSN: 2582-5003. 3. C.Lavanya, N.Thangam, S.Kanmani, S.P.Kanniyappan, “Hydrogen production from industrial wastes by photo catalysis”, World Journal of Advanced Engineering Technology and Sciences (WJAETS), Pages 201–207, Volume-08, Issue- 01 , February 2023, ISSN: 2582-8266. 4. S.P.Kanniyappan, S.Pushkar, A.Akash Arul, P.Nakul, “Automatic Solar Street Light for a Smart City”, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Pages 10993 – 10999, Volume-11, Issue- 08, August 2022, ISSN: 2319-8753. 5. S.P.Kanniyappan, A.Faizuneesa, S.Yogeshwar, M. Yashwantha Kumar, “Implementing Efficiency in Transparent Concrete”, International Research Journal of Engineering and Technology (IRJET), Pages 1629 – 1632, Volume-08, Issue- 11, November 2021, ISSN: 2395-0056. 6. A.Faizuneesa, S.P.Kanniyappan, “Analysis of Groundwater Quality in Thiruvallur”, Turkish Online Journal of 		

Qualitative Inquiry (TOJQI), Pages 7387 – 7397, Volume-12, Issue-08, July 2021, ISSN: 1309-6591.

7. **S.P.Kanniyappan**, C.P.Pravin Kumaran, K.Raja, S.S.Senthurkathan, B.Vignesh, “An Experimental Study on M-Sand and Coconut Shell Charcoal as Filler Material in Bituminous Concrete Mix”, Journal of Xi’an Shiyou University, Natural Science Edition, Pages 32-38, Volume-17, Issue-05, May 2021, ISSN: 1673-064X.

8. **S.P.Kanniyappan**, Paladi Vasavi, U.Kiranmayi, “Strength Analysis of Concrete using Carbon Fibre and Rice Husk Ash”, Journal of Xi’an University of Architecture & Technology (JAT), Pages 710-717, Volume-12, Issue-9, September 2020, ISSN: 1006-7930.

9. Faizuneesa, **S.P.Kanniyappan**, Akshita Mucherla, Sumanaswinaidu, Jayashree, “Study and Implementation of Green Building using BIM and PRIMAVERA”, Journal of Xidian University (JXU), Pages 286-288, Volume-14, Issue-8, August 2020, ISSN: 1001-2400.

10. **S.P.Kanniyappan**, A.Mohammed Fazil Arfath, M.Mohammed Najeeb, S.J.Muthukkumar, “Experimental Investigation on Phase Change Material – Paraffin Wax in Concrete”, Journal of Xidian University (JXU), Pages 1414-1419, Volume-14, Issue-7, July 2020, ISSN: 1001-2400.

11. **S.P.Kanniyappan**, C.Lavanya, R.G.Dhilip Kumar, A.Faizuneesa, “Identification of Groundwater Recharge Zones in Thirumanimuthuar Sub-Basin in Parts of Salem and Namakkal District, Tamilnadu, India”, International Journal of Research in Engineering and Science (IJRES), Vol.8, Issue 5, Pages 25-36, May 2020, ISSN: 2320-9364.

12. A.Faizuneesa, **S.P.Kanniyappan**, S.Saranya, “Behavior and Performance of Natural Coagulants in Polluted Water”, International Journal of Recent Technology and Engineering (IJRTE), Vol.8, Issue 5, Pages 1096-1100, January 2020, ISSN: 2277-3878.

13. M.Sakthivel, S. Aravind, R.G.Dhilip kumar, **S.P.Kanniyappan**, “Effect of Combination of Alumina-Silica Rich Minerals with Fly Ash on Structural Behaviour of the Basalt Fibre Reinforced Geopolymer Concrete”, International Journal of Engineering and Advanced Technology (IJEAT), Pages 3380-3386, Volume-9, Issue-2, December 2019, ISSN: 2249 – 8958.

14. Saranya S, **Kanniyappan S.P**, Faizuneesa A, Dhilip Kumar R.G, “Strength and Durability Performance of Ferro cement Panels with the Influence of Corrosion Inhibitor”, International Journal of Engineering and Advanced Technology (IJEAT), Pages 374-383, Volume-9, Issue-2, December 2019, ISSN: 2249 – 8958.

15. **S.P.Kanniyappan**, S.Balakumaran, R.G.Dhilip Kumar, C.Lavanya, “Soil Stabilization Using Construction and Demolition Waste in Road Construction”, Pramana Research Journal (PRJ), Vol.9, Issue 6, Pages 903-909, June 2019, ISSN: 2249-2976.

16. S.Saranya, A.Faizuneesa, **S.P.Kanniyappan**, “Experimental Study on Partial Replacement of Cement by Prosopis Juliflora in

Concrete”, Journal of Applied Science and Computations (JASC), Vol.6, Issue 05, Pages 1573-1580, May 2019, ISSN: 1076-5131.

17. A.Faizuneesa, S.Saranya, **S.P.Kanniyappan**, S.Balakumaran, “Leachate Analysis & Treatment in Puzhal Region”, Journal of Applied Science and Computations (JASC), Vol.6, Issue 5, Pages 1099-1103, May 2019, ISSN: 1076-5131.

18. **S.P.Kanniyappan**, R.G.Dhilip Kumar, A.Faizuneesa, S.Saranya, “Experimental Investigation on Black Cotton Soil Using Bio-Enzyme as a Soil Stabilizer in Road Construction”, CIKITUSI Journal for Multidisciplinary Research (CJMR), Vol.6, Issue 5, Pages 234-250, May 2019, ISSN: 0975-6876.

19. A.Faizuneesa, S.Saranya, **S.P.Kanniyappan**, “Experimental investigation on partial replacement of recycled plastic as coarse aggregate”, Journal of Emerging Technologies and Innovative Research (JETIR), Vol.5, Issue 11, Pages 545-554, November 2018, ISSN: 2349-5162.

20. **S.P.Kanniyappan**, S.Saranya, A.Faizuneesa, C.Lavanya, “Experimental Study on the Behaviour of Glass Fiber Laminates in RCC Beams”, Journal of Applied Science and Computations (JASC), Vol.5, Issue 11, Pages 1754-1762, November 2018, ISSN: 1076-5131.

21. **S.P.Kanniyappan**, S.Saranya, R.Hemachandiran, “A Comparative Study on Enhancing the Strength of the Concrete by using Rice Husk Ash and Precipitated Silica”, IAETSD Journal for Advanced Research in Applied Sciences, Vol.5, Issue 08, Pages 79-90, August 2018, ISSN: 2394-8442.

22. **S.P.Kanniyappan**, S.Saravanakumar, “Use of Air Cooled Blast Furnace Slag as a Sustainable Material in Cement Concrete”, International Journal of Innovative Research & Studies (IJIRS), Vol.8, Issue 04, Pages 545-558, April 2018, ISSN: 2319-9725.

23. **S.P.Kanniyappan**, T.Muthukumaran, “A Study on Glass Powder Waste as a Partial Replacement of Cement for Sustainable Development”, International Journal of Innovative Research Explorer (IJIRE), Vol.5, Issue 04, Pages 449-458, April 2018, ISSN: 2347-6060.

24. **S.P.Kanniyappan**, N.Rishinath, C.Lavanya, “A Study on Spatial Changes of Groundwater using Statistical Method and Hydro-geochemical Facies in Cheyyar River Basin, Tamilnadu”, International Journal of Emerging Science and Engineering (IJESE), Vol.5, Issue 01, Pages 05-11, November 2017, ISSN: 2319-6378.

25. **S.P.Kanniyappan**, C.Lavanya, “A Study on Physico - Mechanical and Electro - Chemical Behavior of Nano material in Ordinary Portland Cement”, International Journal of Latest Engineering and Management Research (IJLEMR), Vol.2, Issue 10, Pages 13-23, October 2017, ISSN: 2455-4847.

26. **S.P.Kanniyappan**, S.SaravanaKumar, T.Muthukumaran, “Analyzing the Microstructural Properties of Nanomaterial in OPC by SEM, TEM, XRD and Corrosion Rate by TAFEL Techniques”, International Research Journal of Engineering and Technology (IRJET), Vol.04, Issue 10, Pages 1497-1503, October 2017, ISSN:

	<p>2395-0056.</p> <p>27. S.P.Kanniyappan, C.Lavanya, S.RethinaKumar, “A Study Analysis on Strength Characteristics of Self-Compacting Concrete using Ground Granulated Blast Furnace Slag”, International Journal of Recent Innovation in Engineering and Research (IJRIER), Vol.1, Issue 08, Pages 14-22, December 2016, ISSN: 2456-2084.</p> <p>28. N.Gangadharan, S.P.Kanniyappan, N.Rishinath, “Effect of Centrilit NC on Strength & Durability of Concrete”, International Journal of Innovative science, Engineering & Technology (IJSET), Vol.3, Issue 7, Pages 610-614, July 2016, ISSN: 2348 – 7968.</p> <p>29. S.P.Kanniyappan, D.P.Raguraj, E.Vigneshwaran, “Physico-Chemical Analysis of Ground and Surface Water in Cuddalore district due to Effect of 2015 Monsoon”, Advances in Applied Science Research, Vol.7, Issue 4, Pages 176-184, May 2016, ISSN: 0976-8610.</p> <p>30. S.P.Kanniyappan, B.Tamilarasan, E.Vigneshwaran, “A Study on Durability Properties of Self Compacting Concrete using GGBS”, International Journal of Modern Trends in Engineering and Research (IJMTER), Vol.3, Issue 4, Pages 587-593, April 2016, ISSN: 2349 – 9745.</p> <p>31. S.P.Kanniyappan, T.D.Ramadasan, N.Rishinath, C.Lavanya, “Performance of Polyethylene Waste on the Effect of CBR Values of Gravel and clay in Road Construction”, International Journal of Engineering Research (IJER)-Online, Vol.3, Issue 6, Pages 271-277, Nov-Dec, 2015, ISSN: 2321-7758.</p> <p>32. N.Rishinath, S.P.Kanniyappan, A.Krishnamoorthi, “Mechanical and Durability Properties of HSC using RHA, Quarry Dust and Polypropylene Fiber”, International Journal of Engineering Research and General Science (IJERGS), Vol.3, Issue 6, Pages 362-369, Nov-Dec, 2015, ISSN: 2091-2730.</p> <p>33. S.P.Kanniyappan, C.Lavanya, “Experimental Study on Effective Utilization of E-Waste in Concrete”, International Journal of Innovative Research in Science Engineering and Technology (IJRSET), Vol.4, Issue 11, Pages 10447-10452, November 2015, ISSN: 2319-8753.</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 14	After Joining RMK : 11
Ph.Ds / Projects Guided	Ph.Ds Guided : Nil	Student Projects Guided : 28
Books Published :	Count : Nil	
	List : NA	
Patents	Published Count : 01	Granted Count : Nil
	List : 01	

	(Published) - Smart Movable Hydraulic Powered Wall
Professional Memberships	Count : 10
	List : <ol style="list-style-type: none"> 1. Life Member in The Indian Society of Technical Education (MISTE) 2. Life Member in International Association of Engineers (IAENGG) 3. Associate Member in The Institution of Engineers (India) [AMIE] 4. Professional Member of the Institute For Engineering Research and Publication (MIFERP) 5. Life Member in Indian Water Resources Society (IWRS) 6. Life Member in The Indian Science Congress Association (ISCA) 7. Bronze Membership in International Water Resources Association (IWRA) 8. Senior Member in Institution of Safety Engineers (India) [SMISE] 9. Member of The Institution of Green Engineers [IGEN] 10. Member of Indian Concrete Institute(ICI)
Consultancy Projects Completed	Count : 01 (Plan, Design, Analysis and Cost Estimation of G+2 Residential Building (RP Constructions) - Rs. 60000)
Awards Received	Count : 08
	List : <ol style="list-style-type: none"> 1. NPTEL Believer Award (NPTEL) 2. NPTEL Enthusiast Award (NPTEL) 3. NPTEL Discipline Star Award (NPTEL) 4. NPTEL Mentor Award (NPTEL) 5. Advanced IA Certificate (MHRD Innovation Cell) 6. Foundation IA Certificate (MHRD Innovation Cell) 7. Best Student Award (S.K.P Engineering College) 8. IE(I) Best Faculty Advisor & Division Award - IE(I)
Research grants Received	<ol style="list-style-type: none"> 1. Bridge Modelling (R.M.K Engineering College) – Rs. 23500 2. Biogas Plant for a house in the Village(R.M.K Engineering College) – Rs. 23500
Orchid Link / ID	0000-0002-1563-6357
Google Scholar Link / ID	MclriSIAAAAJ
Vidwan Link / ID	282972
Research Gate Link / ID	AEB-8521-2022

Scopus Link / ID	NA
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