



## BIO DATA

Name : **Dr. T. Chockalingam**  
Designation : Associate Professor (Grade I)  
Department : Civil Engineering  
Email : chockalingam@ritrjpm.ac.in  
Mobile Number : 9944794755, 8838765351

Google Scholar Link: <https://scholar.google.com/citations?user=LAvBv-8AAAAJ&hl=en>

Vidwan ID: <https://ritrjpm.irins.org/profile/168508>

ORCID: <https://orcid.org/0000-0002-3980-5282>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57208141812>

WoS: <https://www.webofscience.com/wos/author/record/ABF-9694-2020>

Research Gate: <https://www.researchgate.net/profile/Chockalingam-Tamilarasu>

### 1. Educational Qualification

Degree	Branch / Specialization	Institute/University	Year of Passing
B.E.	Civil Engineering	Government College of Engineering, Tirunelveli	2013
M.E.	Structural Engineering	Regional Centre of Anna University, Tirunelveli	2015
PG Certificate Program	3D Printing	Indian Institute of Technology, Palakkad	2024
Ph.D.	Civil Engineering	Alagappa Chettiar Government College of Engineering and Technology, Karaikudi	2025

### 2. Professional/ Industry Experience:

(in chronological order)

S. No.	Designation	Institution/ Organization	Period	
			From	To
1	Associate Professor (Grade – I)	Ramco Institute of Technology, Rajapalayam	10.01.2025	Till date
2	Assistant Professor (Senior Grade)	Ramco Institute of Technology, Rajapalayam	01.01.2023	09.10.2025
3	Assistant Professor	Ramco Institute of Technology, Rajapalayam	02.12.2015	31.12.2022

S. No.	Designation	Institution/ Organization	Period	
			From	To
4	Assistant Professor	National College of Engineering, Maruthakulam, Tirunelveli	23.06.2015	30.11.2015

### 3. Software Proficiency

S. No.	Name of the Software
1	AutoCAD 2018
2	STAAD Pro V8i

### 4. Publications

Conference Publications		International Publications		Book Chapter
National	International	National	International	International
05	06	-	02	01

#### List of Journal Publications

1. J. Leon Raj & T. Chockalingam (2020) Strength and abrasion characteristics of pervious concrete, Road Materials and Pavement Design, 21:8, 2180-2197, DOI: 10.1080/14680629.2019.1596828 (Impact Factor: 3.805)
2. T. Chockalingam, C. Vijayaprabha, J. Leon Raj, Experimental study on size of aggregates, size and shape of specimens on strength characteristics of pervious concrete, Construction and Building Materials, Volume 385, 2023, 131320, (Impact Factor: 7.4) <https://doi.org/10.1016/j.conbuildmat.2023.131320>

#### List of Conference Publications

1. Chockalingam.T, Dr.J.Prabakar, Dr.N.Sakthieswaran (2015) “Flexural behavior of lightweight panels using Poly – isocyanate Composites” International Conference on Innovation Technology in Mechanical Engineering MULTICON’15, Muthayammal Engineering College, Rasipuram, Namakkal, Tamilnadu.
2. Yamini.S, Vishalini.K, Sheelarani.T, Chockalingam T (2017) “Laboratory Study of Porosity and Strength Properties of Pervious Concrete” National Conference on

Innovations in Engineering, Science and Technology NCIEST, Ramco Institute of Technology, Rajapalayam.

3. Archana.A, Brindha.A, Pavithra.J, Thanupriya.V, **Chockalingam T** (2018) “A System to Analyse and Suggest Healing Methods for Cracks in RCC Structures using Image Processing Algorithms” National Conference on Sustainability in Construction – NACSIC 2018, Kalasalingam Academy of Research and Education, Krishnankoil.
4. Loga Ganesh.S, Mahalakshmi.S, Muthuselvi.R, **Chockalingam T** (2018) “Shape and Size effect on Mechanical Properties of Pervious Concrete” National Conference on Sustainability in Construction – NACSIC 2018, Kalasalingam Academy of Research and Education, Krishnankoil.
5. **Chockalingam T**, Leon Raj. J, Vijayaprabha.C (2018) “Verification of Size Effect in Pervious Concrete” International Conference on Infrastructure Development – ICID 2018, Jorhat Engineering College, Assam.
6. Amrutha.P.K, Anisha Shifana.D.R, Jeyasneha.J, Sharatha.P, **Chockalingam T** (2019) “Effect of Silica Fume on Mechanical Properties of Pervious Concrete” National Conference on  
  
Recent Trends in Civil Engineering (NCRTE’19), Mother Teresa College of Engineering and Technology, Pudukottai, Tamilnadu.
7. **Chockalingam.T**, Ram Prashath.J, Aarthi. T.C.R, Madhumitha.M, Muthuselvi.K (2020) “Effect of Chemical Admixture on Pervious Concrete Properties” International Web Conference on Smart Engineering Technologies-2020, Ramco Institute of Technology, Rajapalayam. (ISBN: 978-93-5407-648-0)
8. **Chockalingam T**, Abinaya Parasakthi.P, Kaleeswari.M, Priyatharshini.M, Sivapriya.M (2020) “Effect of Wire Mesh on Properties of Pervious Concrete Pavement Blocks” International Web Conference on Smart Engineering Technologies-2020, Ramco Institute of Technology, Rajapalayam. (ISBN: 978-93-5407-648-0).
9. **Chockalingam T**, Muthukumar.V, Nagaraj S, Hariprashath S (2021) “Real Time Monitoring of Cracks using Deep Learning Techniques” National Web Conference on Challenges and Innovation in Engineering and Technology - 2021, Ramco Institute of Technology, Rajapalayam.
10. **Chockalingam.T**, Manjula S, Vijayaprabha C, Leon Raj J, Darling Helen Lydia D

(2021) “Prediction of Properties of Pervious Concrete using Multiple Linear Regression” 1st International Conference on Advances in Construction Materials and Management (ACMM 2021), SRM Institute of Science and Technology, Kattankulathur, in collaboration with Universiti Malaysia Sarawak (UNIMAS), Malaysia

11. **Chockalingam.T**, Vijayaprabha C, Leon Raj J (2022) “A Review on Permeability of Pervious Concrete” International Conference on Smart Technologies and Applications-2022 (ICSTA 2022) organized by Ramco Institute of Technology on 11th & 12th March, 2022 through online. (ISBN: 978-93-5593-352-2)
12. **Chockalingam T** (2024), “Experimental Investigation on Strength and Hydrological Behaviour of Geo-Grid Reinforced Pervious Concrete” International Conference on Recent Trends in Engineering & Science (ICRTES-2024) organized by Centre for Promotion of Research (CPR), Kings College of Engineering, Pudukkottai. on 2<sup>nd</sup> & 3<sup>rd</sup> May 2024.
13. **Chockalingam T**, Akash Kumar N, Pandiaraj S, “A Review on Assessment of Durability Properties of High Strength Concrete including Copper Slag”, International Conference on Advanced Material Science "ICAMS 2K25" organized By Nadar Saraswathi College of Engineering And Technology, Theni on 09.05.2025 (ISBN: No:978-81-984328-7-2)

### List of Book Chapter

1. **T. Chockalingam**, C. Vijayaprabha, A. J. Jeya Arthi, and K. Saranya, “Sustainable Building Practices: The Path to a Resilient Future for Developing Countries”, EcoTech Urbanism, The Urban Book Series, Springer

### **5. Skill Development Courses attended (STTP/Seminars/FDP/Workshop/Conference)**

S. No.	Title of the event	Organized by	Date	
			From	To
1	Faculty Development Programme on Soil Mechanics	Ramco Institute of Technology, Rajapalayam	02.12.2015	08.12.2015
2	Short term course on Subsurface investigation for Pavements and Buildings	National Institute of Technology, Tiruchirappalli	10.03.2016	12.03.2016
3	Engineering Education & Research Seminar	National Instruments India	29.03.2016	29.03.2016

S. No.	Title of the event	Organized by	Date	
			From	To
4	Faculty Development Programme on Autodesk Autocad	ICT Academy of Tamilnadu	13.06.2016	17.06.2016
5	ABAQUS Training Programme	Ramco Institute of Technology, Rajapalayam	01.12.2016	03.12.2016
6	Workshop on Prestressed Concrete Elements	PSG Institute of Technology and Applied Research, Coimbatore	29.07.2017	29.07.2017
7	Workshop on Analysis and Design of Structures using STAAD.Pro	Ramco Institute of Technology, Rajapalayam	13.08.2017	13.08.2017
8	Faculty Development Programme on Human Values and Professional Ethics	Ramco Institute of Technology, Rajapalayam	30.10.2017	12.11.2017
9	Faculty Development Training Programme on Research based Statistical, Analytical and Data modeling Tools	Thiagarajar College of Engineering	26.04.2018	28.04.2018
10	Training Programme on "Project Management Tool Training using Primavera P6. R16.2	Ramco Institute of Technology, Rajapalayam	11.06.2018	14.06.2018
11	ISO Awareness & Internal Auditing Training for ISO 9001:2015	Ramco Institute of Technology, Rajapalayam	21.06.2018	22.06.2018
12	Workshop on Linear Algebra	Ramco Institute of Technology, Rajapalayam	27.06.2018	28.06.2018
13	Workshop on Writing Research Papers, Citation Analysis, Plagiarism, Getting Patent & Copyright	Ramco Institute of Technology, Rajapalayam	29.06.2018	30.06.2018
14	Green Building Congress 2018	Indian Green Building Council	01.11.2018	03.11.2018
15	Faculty Development Programme on CE8301 – Strength of Materials-I	Ramco Institute of Technology, Rajapalayam	27.05.2019	01.06.2019
16	Faculty Development Programme on Team Building	Ramco Institute of Technology, Rajapalayam in association with ICTACT	18.11.2019	20.11.2019
17	Essentials for setting up an AI/DL Lab	Benett University, Greater Noida	17.07.2020	-

S. No.	Title of the event	Organized by	Date	
			From	To
18	Two Day Workshop on Aligning Yourself to the Publishing Process	Elsevier	24.07.2020	-
19	Webinar on “ABC of Construction Artificial Intelligence and Digital Twins + BIM + Computer Vision	K. D. K College of Engineering, Nagpur	28.07.2020	-
20	Publishing Ethics	Taylor & Francis Group in collaboration with DeLCON	05.08.2020	-
21	Publishing in academic journals and how to succeed with your publication		26.08.2020	-
22	ATAL Online FDP on Strategic Civil Infrastructure	DR. S. & S. S. GHANDHY GOVERNMENT ENGINEERING COLLEGE, SURAT	23.11.2020	27.11.2020
23	Orientation program on Patent Search and Drafting	Ramco Institute of Technology Rajapalayam	24.10.2020	-
24	ATAL Online FDP on "Earthquake Engineering"	L D College of Engineering, Ahmedabad	01.12.2020	05.12.2020
25	Ideation and Proposal Writing Workshop	Rural Technology Action Group, IIT Madras	19.12.2020	-
26	Eighth International Conference on Transformation in Engineering Education (ICTIEE-2021)	Indo Universal Collaboration for Engineering Education (IUCEE)	08.01.2021	10.01.2021
25	IGBC Student Chapter Annual Meet 2021	CII – IGBC	17.11.2021	-
26	Green Building Congress 2021	CII – IGBC	18.11.2021	20.11.2021
27	ATAL FDP On Fracture Mechanics in Concrete Structure	Osmania University	06.12.2021	10.12.2021
28	Inculcating Universal Human Values in Technical Education	AICTE	11.04.2022	15.04.2022
29	FDP on Microsoft Power BI Data Analyst Associate	ICT Academy	30.01.2023	03.02.2023
30	FDP on Blockchain course	NSE Academy & TNSDC	13.02.2023	17.02.2023
31	Faculty Entrepreneurship Development Programme	KARE, Krishnankovil	24.07.2023	05.08.2023

S. No.	Title of the event	Organized by	Date	
			From	To
32	5 days training program on Green Buildings	CII – IGBC	01.08.2023	05.08.2023
33	Faculty Competence Enhancement Programme on LPB01 - Reverse Engineering	LEAP & RIT	08.09.2023	09.09.2023
34	Talkathon - EDC Faculty Coordinators Meet	Centre for Entrepreneurship Development (CED), Anna University, Chennai	11.10.2023	-
35	Faculty Development Program - Product Design Engineering and Modelling	TNSDC	29.01.2024	03.02.2024
36	Naan Mudhalvan Program – Assessment Workshop for Faculty Members – Master Assessors	TNSDC	08.03.2024	09.03.2024
37	Glass Academy Faculty Development Program	Glass Academy	26.09.2024	28.09.2024
38	R&D Conclave	RIT Rajapalayam	26.12.2024	-
39	Technical Workshop for NPTEL Stars	IIT Madras	06.07.2025	-
40	Extramural Lecture Series (ELS)- From Global Engineering Education Initiative to a Local Implementation – Case Turku University of Applied Sciences	RIT Rajapalayam	14.11.2025	-
41	Six Days Online FDP on "Modern Technological Innovations in Civil Engineering - 2K25"	Kongunadu College of Engineering and Technology	15.12.2025	20.12.2025
42	Faculty Development Program on Introduction to BIM	RIT Rajapalayam	01.12.2025	03.12.2025
43	R&D Conclave 2025	RIT Rajapalayam	23.12.2025	-
44	Interaction with NPTEL Stars	IIT Madras	01.02.2026	-

**6. Short Term Courses / Seminars / Webinars / FDP / Workshop / Conference Organized:**

S. No.	Title of the event	Organized by	Date	
			From	To
1.	Green & Net Zero Buildings: Challenges and Resolutions	RIT – IGBC	13.03.2023	-
2.	Good Construction Practices and its Importance	Department of Civil Engineering & Training and Placement Cell	03.03.2023	-
3.	Ready Mix Concrete			
4.	Workshop on Mapping using Total Station & GPS	Department of Civil Engineering	10.02.2023	-
5.	Extramural Lecture Series (ELS) – INT001 – Hygro-Thermo- Chemical modelling of cementitious material: a multi- scale approach	Department of Civil & Mechanical Engineering	03.02.2023	-
6.	Essential for Innovation in Product Development	RIT-IIC, EDC, EDII-TN, AURCT-IEDP Hub	28.11.2022	-
8.	Business Plan Development and Minimum Viable Product development	RIT – EDC	10.03.2022	-
9.	Enabling the Professional Development of Faculty on IR 4.0 Technology	RIT	24.01.2022	29.01.2022
10.	Webinar – My Story Motivational Session by an Innovator	Department of Civil Engineering & RIT – IIC	19.12.2021	-
11.	Webinar - Bentley BIM Advanced Software Education Program for Academic	Department of Civil Engineering	02.12.2021	-
12.	Webinar - Applications of AI and ML in Industry 4.0	RIT – AI Research	02.10.2021	-
13.	Hindrance Faced by Entrepreneurs	RIT – IIC	22.08.2021	-
14.	Webinar - A Guide to Start Civil Engineering as your Career	Department of Civil Engineering	18.06.2021	-
15.	Online Workshop – Scratch your dream home using Sketchup	Department of Civil Engineering	11.06.2021	-

S. No.	Title of the event	Organized by	Date	
			From	To
16.	Webinar – Modern Pedagogical Tools for Z-Gen Students	RIT	17.05.2021	18.05.2021
17.	Webinar – Entrepreneurship and Innovation as Career Opportunity	RIT – IIC	27.10.2020	-

### 7. Online Courses Pursued

S. No.	Course title	University	Date
1	Introduction to Engineering Mechanics	Georgia Institute of Technology	19.06.2016
2	The Engineering of Structures around us	Dartmouth	13.09.2016
3	Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading	Georgia Institute of Technology	21.04.2017
4	Calculus 1A: Differentiation	Masachusetts Institute of Technology	15.09.2017
5	A Hands-On Introduction to Engineering Simulations	Cornell University	14.12.2017
6	Calculus 1B: Integration	Masachusetts Institute of Technology	09.03.2018
7	Introduction to Mechanics, Part 1	RICE University	10.01.2019
8	Calculus 1C: Coordinate Systems & Infinite Series	Masachusetts Institute of Technology	12.05.2019
9	Academic Writing	H.N.B. Garhwal University	09.11.2019
10	Introduction to Research	Indian Institute of Technology, Madras	29.11.2019
11	Air pollution: causes and impacts	IMT Lille Douai	09.12.2019
12	Air Pollution - a Global Threat to our Health	University of Copenhagen	12.06.2020
13	Excel for Business: Essentials	Macquarie University	20.06.2020
14	Introduction to Indoor Air Quality	The Hong Kong University of Science and Technology	21.06.2020
15	Vector Calculus for Engineers		07.07.2020
16	Forensic Engineering: Learning from Failures	Delft University of Technology	17.07.2020
17	Transfer Functions and the Laplace Transform	Massachusetts Institute of Technology	01.09.2020
18	Module 1: Orientation towards Technical Education and Curriculum Aspects	National Initiative for Technical Teachers Training	February 2021

S. No.	Course title	University	Date
19	Module 3: Communication Skills, Modes and Knowledge Dissemination	National Initiative for Technical Teachers Training	September 2021
20	Module 4: Instructional Planning and Delivery	National Initiative for Technical Teachers Training	September 2021
21	LaTeX for Students, Engineers, and Scientists	IIT Bombay	21.11.2021
22	Module 5: Technology Enabled Learning and Life-Long Self Learning	National Initiative for Technical Teachers Training	February 2022
23	Module 6: Student Assessment and Evaluation	National Initiative for Technical Teachers Training	February 2022
24	Advanced Topics in the Science and Technology of Concrete	IIT Madras	February 2022
25	Development and Application of Special Concrete	IIT Kanpur	March 2022
26	Environmental Impact Assessment	IIT Roorkee	April 2022
27	Basic Construction Materials	IIT Madras	April 2022
28	Modern Construction Materials	IIT Madras	April 2022
29	Module 7: Creative Problem Solving, Innovation and Meaningful R&D	National Initiative for Technical Teachers Training	July 2022
30	Module 8: Institutional Management and Administrative Procedures	National Initiative for Technical Teachers Training	July 2022
31	Module 2: Professional Ethics & Sustainability	NITTTR Bhopal	February 2023
32	Concrete Technology	IIT Delhi	April 2023
33	Metal Additive Manufacturing	IIT Kanpur	October 2024
34	Fundamentals of Additive Manufacturing Technologies	IIT Guwahati	October 2024
35	Sustainable Engineering Concepts and Life Cycle Analysis	IIT Kharagpur	March 2025
36	Advanced Concrete Technology	IIT Madras	October 2025

## 8. Citations

Google Scholar		Scopus		WoS	
Citations	H index	Citations	H index	Citations	H index
113	2	97	2	2	88

## 9. Membership in Professional societies

S. No.	Name of the Professional Societies	Membership ID
1	Indian Society for Technical Education	LM114748

## 10. Project Guidance

S. No.	Title of the Project	Year
1.	Experimental Investigation on Properties of Pervious Concrete	2017
2.	A system to analyse and suggest healing methods for cracks in RCC structures using image processing algorithms	2018
3.	Effect of specimen size on mechanical properties of pervious concrete	2018
4.	Experimental Investigation on Mechanical Properties of Semi Pervious Concrete	2019
5.	Effect of silica fume on mechanical properties of Pervious Concrete	2019
6.	Effect of cement content and chemical admixture on pervious concrete	2020
7.	Pervious concrete pavement block for Rain Water Harvesting	2020
8.	Influence of aspect ratio on properties of pervious concrete	2021
9.	Experimental study on Compressive strength and durability properties of pervious concrete	2022
10.	Flexural Performance of Geogrid reinforced pervious Concrete beam with different aggregate sizes	2023
11.	Effect of Specimen size on Compressive strength of pervious concrete with different aggregate sizes	2023
12.	Influence of heat on mechanical properties of pervious concrete with different aggregate sizes	2024
13.	Assessment on durability of High Strength Concrete including Copper Slag	2025

## 11. Guest Lecture Delivered

S. No.	Topic	Organization	Date
1	Tools for Effective Research	Alagappa Chettiar Government College of Engineering & Technology	25.11.2018

S. No.	Topic	Organization	Date
2	Hands on session – Civil Virtual Lab Experiments	Ramco Institute of Technology	03.08.2020
3	Tools for Effective Research	Coimbatore Institute of Technology	29.11.2020
4	Entrepreneurship and Innovation as Career Opportunity	RIT – IIC & RIT SIP Cell	09.11.2022
5	Orientation on MSME Idea Hackathon 3.0: Crack the Hack	P.S.R. Engineering College	06.07.2023
6	Ideation: Cultivating Creativity for Innovation'	Ayya Nadar Janaki Ammal College, Sivakasi	25.03.2024
7	Streamlining Reference Management with Mendeley	Department of Computer Science and Engineering, RIT, Rajapalayam	30.01.2025
8	ATL Workshop - Intellectual Property Rights	Sri Ramana Academy CBSE, Rajapalayam	18.02.2025
9	Pervious Concrete-A Pathway to a Resilient Future	E.G.S. Pillay Engineering College (Autonomous), Nagapattinam	15.06.2025
10	Achieving “Value Proposition Fit” & “Business Fit”	RIT – IIC & RIT SIP Cell	23.08.2025
11	Air & Noise Pollution – Impact & Control Strategies	E.G.S. Pillay Engineering College (Autonomous), Nagapattinam	28.10.2025

## 12. Copyright

S. No.	Title of the Work	Diary No.	Date of Submission	Status
1	Tools for Effective Research	5940-2022-CO-L	17.03.2022	Registered

## 13. Responsibilities Held

S. No.	Responsibilities Held	Portfolio	Date	
			From	To
<b>Institution Level</b>				
1.	In-charge	MSME Incubation Centre at Ramco Institute of Technology (MSME Innovation Scheme)	June 2022	Till Date
2.	Member	Department Advisory Committee – Department of Mechanical Engineering	August 2021	Till Date
3.	Member	National Innovation and	October 2020	Till Date

S. No.	Responsibilities Held	Portfolio	Date	
			From	To
		Startup Policy Committee		
4.	Member	Programme Assessment and Quality Improvement Committee – Department of Computer Science and Engineering	November 2019	June 2024
5.	Internal Auditor	ISO – QMS	August 2018	Till Date
6.	Member	Programme Assessment and Quality Improvement Committee – Department of Electrical and Electronics Engineering	Academic Year 2024-2025	Academic Year 2026-2027
7.	Member	Department Advisory Committee – Department of Computer Science and Engineering	25.04.2025	Till Date
<b>Department Level</b>				
1.	Mentor	2021-2025 Batch Civil Engineering Students	December 2022	May 2025
2.	Laboratory In-Charge	Soil Mechanics Laboratory	July 2021	June 2025
			July 2019	October 2020
3.	Placement Coordinator	Training and Placement	July 2020	Till Date
4.	Faculty In-charge	Institution's Innovation Council (IIC)	September 2019	Till Date
5.	Class Adviser & Mentor	2018-2022 Batch Civil Engineering Students	August 2018	May 2022
6.	Faculty In-charge	RIT – Research Council	June 2018	Till Date
7.	Faculty In-charge	Internship	July 2024	Till Date

#### 14. AWARDS, RECOGNITION & ACHIEVEMENTS:

❖ **IGBC Accredited Professional**

❖ Recognized as **NPTEL Believer** during the semester Jan-Apr 2022

❖ Acted as **Primary Evaluator** for Toycathon 2021 organized by the Ministry of Education's Innovation Cell

- ❖ Acted as **Evaluator** for Preliminary Evaluation of School Innovation Marathon, organized by Ministry of Education's Innovation Cell.
- ❖ Recognized as **NPTEL Discipline Star** – Civil Engineering during the semester Jan-Apr 2025
- ❖ Recognized as **NPTEL Domain Scholar** – Construction Materials Technology during the July-October 2025