

**Dr.R.Gopinath**  
**Assistant Professor**  
**Department of Civil Engineering**  
**University College of Engineering**  
**BIT Campus, Tiruchirappalli.**  
**9994678825**  
**ramanaocean@gmail.com**



- **Research Area:** Composite Materials, Soil Stabilization, Finite Element Methods  
 ➤ **Educational Qualifications:**

Qualification	Department	College/University	Year (From - To)	Percentage	Class
B.E	Civil	College of Engineering, Anna University, Guindy.	1996 - 2000	7.097	First
M.Tech	Ocean Technology	Indian Institute of Technology, Madras	2007-2009	9.19	First with Distinction <b>(Gold Medalist)</b>
Ph.D	Civil	Anna University, Chennai.	2011- 2016		

- **Experience:**

Name of Company / Institutions	Designation of Post	From	To	Relived on	Experience in Year
M/s Hindustan Aeronautics Limited, Bangalore.	Engineer(CIVIL)	27-05-2002	26-07-2006		4Years 2 Months
Regional Centre, Anna University, Tirunelveli.	Assistant Professor	31-08-2010	30-06-2014		3years 10 Months
University College of Engineering Tindivanam	Assistant Professor	01-07-2014	07-07-2023		9 Years
University College of Engineering BIT Campus Tiruchirappalli	Assistant Professor	07-07-2023	Till date		

➤ **Awards:**

- Acquired district second rank in Higher Secondary Examination conducted during March 1995.
- Received Institute Merit Prize From Indian Institute of Technology, Madras for having acquired highest academic score during M.Tech Program.
- Obtained GATE Score during the years 2002, 2006 & 2007.

➤ **Additional / Academic Responsibilities at University:**

- Acted as Deputy Warden (Boys Hostel) in University College of Engineering, Tindivanam from 01-08-2015 to 06-07-2017.
- Acting as Sports Co-ordinator in University College of Engineering, Tindivanam from 07-07-2017 to till date.

➤ **Professional Activities:**

Sl. No.	Activities	Year
1	Conducted oneday workshop on “Modern Structural Analysis Using ANSYS” in Chandy College of Engineering, Thoothukudi, TamilNadu, INDIA	2014
2	Presented Oral lecture on “Evaluation of Mechanical Properties of hybrid fiber reinforced vinyl ester composite” during Carbohydrate Conference held at Department of Chemistry, Pondicherry University, Pondicherry-605014.	2015
3	Acted as chief guest and gave a presentation on scope and career opportunities in Civil Engineering at the Civil Engineering student association function held in Mailam Engineering, Villupuram district, , TamilNadu, INDIA	2015
4	Presented two day lecture on Structural Dynamics and Earthquake Engineering during the faculty development programme conducted by University College of Engineering, Panruti, TamilNadu, INDIA	2016
5	Organised one National Conference –READ in Department of Civil Engineering, University College of Engineering, Tindivanam.	2018
6.	Presented One day lecture on CE 6501-Structural Analysis I during the faculty development programme conducted by Sri Sai Ram Institute of Technology, West Tambaram, Chennai, TamilNadu, INDIA	2018

➤ **Completed B.E/M.E Projects:**

- a. Number of ME Projects Completed: 19 Nos
- b. Number of BE Project Completed: 18 Nos

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended: (Within India)**

S. No.	From	To	Title of the program	Organized by
1.	10-11-12	11-11-12	Aakash for Education ISTE Workshop	IIT Bombay
2.	20-04-13	20-04-13	NPTEL Workshop	IIT Madras
3.	05-08-13	12-11-13	Off-Campus Outreach Certificate Program On Remote Sensing, GIS & GNS	Indian Institute of Remote Sensing, ISRO,Dehradun,INDIA
4.	26-11-13	06-12-13	ISTE Workshop on Engineering Mechanics	IIT Bombay
5.	09-01-14	10-01-14	Surveying and Mapping	Dr.Sivanthi Aditanar College of Engineering, Tiruchendur
6.	05-03-14	05-03-14	Modern Structural Analysis Using ANSYS	Chandy College of Engineering, Thoothukudi
7.	30-11-15	06-12-15	Engineering Chemistry-II	University College of Engineering, Tindivanam
8.	04-06-16	06-06-16	Structural Dynamics and Earthquake Engineering.	University College of Engineering, Panruti
9.	04-06-18	10-06-18	Faculty development programme on Strength of Materials.	University College of Engineering, Tindivanam

➤ **International Conferences Participated:**

- a. R.Gopinath(2015), “Mechanical properties of sandwich composites made using natural fibers and glass fiber mat”, International Conference on Natural Polymers during April 10-12, 2015 in Mahatma Gandhi University, Kottayam.
- b. R.Gopinath(2015), “Evaluation of mechanical Properties of hybrid fiber reinforced vinyl

ester composites”, Carbohydrate Conference conducted at Pondicherry University during December 29-31, 2015.

➤ **Publications :**

**a. Books:**

S. No.	Name of Book/Monograph/Book	Author(s)	Year of Publication	Publisher
1.	Bio Polymers and Bio Materials	R. Gopinath, K. Ganesan, and R. Poopathi	Oct 2017	Apple Academic Press

**b. International Journals:**

1.Gopinath, R, Ganesan, K, Saravanakumar, S S&Poopathi, R 2015, „Characterization of new cellulosic fiber from the stem of SidaRhombifolia“, International Journal of Polymer Analysis and Characterization, ISSN : 1023-666X .

2.Gopinath, R, Ganesan, K, Saravanakumar, S S&Poopathi, R 2015, „Mechanical properties of sandwich composites made using Prosopisjuliflora, sisal and glass fibers“, Australian Journal of basic and applied Sciences, vol.9, no.35, pp.1-9. ISSN : 19918178.

3.Gopinath, R, Ganesan, K, Saravanakumar, S S&Poopathi, R 2015, „Mechanical properties of SidaRhombifolia/Prosopisjuliflora/ glass fiber reinforced sandwich composite laminates“ , Australian Journal of basic and applied sciences, vol.9, no.35, pp. 69-76, ISSN : 19918178.

4.R. Gopinath, K. Ganesan, R. Poopathi, 2018. Mechanical Properties of Sandwich Composites Made Using Natural Fibres and Glass Fibre Mat, Bio polymers and Bio Materials, Apple Academic press, Canada

5. Gopinath Rudra Murthy, PoopathiRamasamy, ArunRajendran, 2018. Geo technical properties of sandy soil stabilized using cement and prosopisjuliflora fibers, 1st Conference of the Arabian Journal of Geosciences (CAJG),Hammamet, Tunisia.

6. Gopinath Rudra Murthy, PoopathiRamasamy, ArunRajendran, 2018. Stabilization of clayey soil using lime and prosopis fibers, 1st Conference of the Arabian Journal of Geosciences (CAJG),Hammamet, Tunisia.

7. Gopinath R, Poopathi R, Vasanthavigar M, Arun R &Mahadevan M, 2018. Stabilized red soil-an efficient liner system for landfills containing hazardous materials, Environmental monitoring and assessment,15;190(10):590. doi: 10.1007/s10661-018-6973-z.

8.Gopinath, R, Poopathi, R &Saravanakumar, S.S 2019, Characterization and structural performance of hybrid fiber-reinforced composite deck panels, Advanced Composites and Hybrid Materials, 2:115, <https://doi.org/10.1007/s42114-019-00076-w>.

9.R. Gopinath, P. Billigraham& T.P. Sathishkumar (2021): Physicochemical and Thermal Properties of Cellulosic Fiber Extracted from the Bark of *AlbiziaSaman*, Journal of Natural Fibers, DOI: 10.1080/15440478.2021.1929654

10.R. Gopinath, P. Billigraham& T.P. Sathishkumar (2021): Investigation of Physico-chemical, Mechanical, and Thermal Properties of New Cellulosic Bast Fiber Extracted from the Bark of *Bauhinia purpurea*, Journal of Natural Fibers, DOI: 10.1080/15440478.2021.1990180

11.R. Gopinath, P. Billigraham& T.P. Sathishkumar (2021): Characterization Studies on New Natural Cellulosic Fiber Extracted from the Bark of *Erythrina variegata*, Journal of Natural Fibers, DOI: 10.1080/15440478.2021.1961344

12.R. Gopinath, P. Billigraham, T.P. Sathishkumar& R. Rajasekar (2022): Physicochemical, Thermal And Mechanical Properties of Novel Cellulosic Fiber Extracted from *Ficus Retusa*, Journal of Natural Fibers, DOI: 10.1080/15440478.2022.2068727

13.S. Manivel, N. Pannirselvam, R. Gopinath& T. P. Sathishkumar (2021): Physico-mechanical, Chemical Composition and Thermal Properties of Cellulose Fiber from *Hibiscus vitifolius* Plant Stalk for Polymer Composites, Journal of Natural Fibers, DOI: 10.1080/15440478.2021.1941484

14.R. Gopinath, P. Billigraham& T.P. Sathishkumar (2021): Physicochemical and Thermal Properties of New Cellulosic Fiber Obtained from the Stem of *Markhamia lutea*, Journal of Natural Fibers, DOI: 10.1080/15440478.2021.1964133

15.R. Gopinath, P. Billigraham, T.P. Sathishkumar, M.R Sanjay & Suchart Siengchin (2021): Characterization of *Sida acuta* fiber and its polymer composites with effect of fly ash, Journal of Natural Fibers, DOI: 10.1080/15440478.2021.1967833

16. 8.R. Gopinath, P. Billigraham& T.P. Sathishkumar (2022): Investigation on Physicochemical, Thermal and Mechanical Properties of New Cellulosic Fiber Obtained from the Stem of *Tecoma Stans*, Journal of Natural Fibers, DOI: 10.1080/15440478.2022.2069628

17. R. Gopinath, P. Billigraham& T.P. Sathishkumar (2022): Characterization Studies on Novel Cellulosic Fiber Obtained from the Bark of *Madhuca Longifolia* Tree, Journal of Natural Fibers, DOI: 10.1080/15440478.2022.2069192

18. S. Manivel, N. Pannirselvam, R. Gopinath& T.P. Sathishkumar (2022): Influence of Alkali Treatment on Physicochemical, Thermal and Mechanical Properties of *Hibiscus Vitifolius* Fibers, Journal of Natural Fibers, DOI: 10.1080/15440478.2022.2037489.

### **c. National Journals:**

1. Sakthieswaran N, Gopinath R, Priyanka M, Shiny Brintha G, Karthiga Devi P, “ A Review on Welding Processes for Dissimilar Materials”, Australian Journal of Basic and Applied Sciences, 7(13) November 2013, Pages: 100-106.
2. Jerlin.G, Sakthieswaran.N and Gopinath.R, “Flexural behavior of one way slab made using steel fibre reinforced fly ash concrete with silica fume and M sand”, Elixir Cement & Con. Com. 68A (2014) 22518-22520.

3. B Aswin, N Sakthieswaran and R Gopinath, "Strengthening of precracked high strength concrete beam using fibre reinforced ferrocement laminate", Elixir Cement & Con. Com. 68A (2014) 22521-22524.
4. Ruban Daniel.V, Sakthieswaran.N and Gopinath.R, "Experimental study on behaviour of beam-column joints with special confinements", Elixir Cement & Con. Com. 68A (2014) 22551-22554.
5. Subaitha K, Sakthieswaran N and Gopinath R, "Study on behaviour of HSC square column with GFRP wrapping", Elixir Cement & Con. Com. 68A (2014) 22564-22567.
6. Subaitha K, Sakthieswaran N and Gopinath R, "Suitability of GFRP wrapping in high strength concrete short circular columns", Elixir Cement & Con. Com. 68A (2014) 22568-22572.

➤ **Conferences**

**a. International Conferences:**

S. No.	Title of the Paper	Author(s)	Name of the Conference	Venue & Date
1.	Comparison of Material Models for Impact Analysis of Reinforced Concrete Structures	Barkavi.T, Smitha Gopinath, A.Rama Chandra Murthy, Nagesh R.Iyer & R.Gopinath	International Conference on Sustainability Challenges and Advances in Concrete Technology (SCACT)	SCACT 2012, At Coimbatore,India
2.	Mechanical properties of sandwich composites made using natural fibers and glass fiber mat	Gopinath.R, Ganesan.K & Poopathi.R	International Conference on Natural Polymers	Mahatma Gandhi University, Kottayam during April 10-12, 2015.
3.	Evaluation of mechanical Properties of hybrid fiber reinforced vinyl Ester composites.	Gopinath.R	Carbohydrate Conference	Pondicherry University during December 29-31, 2015.
4	Mechanical properties of composite laminates made using natural fiber.	Gopinath.R, Poopathi.R, Karthiga.J	First International conference on energy and environment.	NIT, Calicut during March 10-11, 2018.
5	Experimental investigation on properties of hybrid fiber reinforced composites.	Gopinath.R, Poopathi.R, Bakkiyalakshmi.B	First International conference on energy and environment.	NIT, Calicut during March 10-11, 2018.

6.	Geo technical properties of sandy soil stabilized using cement and prosopis juliflora fibers	Gopinath Rudra Murthy, Poopathi Ramasamy, Arun Rajendran	First International Conference of Arabian Journal of Geosciences, Springer.	Hammet, Tunisia, 2018.
7.	Stabilization of clayey soil using lime and prosopis fibers	Gopinath Rudra Murthy, Poopathi Ramasamy, Arun Rajendran	First International Conference of Arabian Journal of Geosciences, Springer.	Hammet, Tunisia, 2018.

**b. National Conferences:**

S.No	Title of the Paper	Author(s)	Name of the	Venue & Date
1.	Mechanical Properties of Concrete partially replaced with green	Gopinath.R	National Conference on Quest for Civil Engineering	SRM University, Chennai on 30-
2.	Mechanical Properties of concrete specimen added with metallic and natural fibers	Gopinath.R	National Conference on Quest for Civil Engineering	SRM University, Chennai on 30-03-17.
3.	Mechanical Properties of Crimped steel fiber and natural fiber reinforced concrete specimens	Gopinath.R	National Conference on Quest for Civil Engineering	SRM University, Chennai on 30-03-17.
4.	Mechanical Properties of flyash based concrete added with steel and sisal fibers	Gopinath.R	National Conference on Quest for Civil Engineering	SRM University, Chennai on 30-03-17.
5.	Flexural behavior of hybrid fiber reinforced concrete specimen and prediction of output	Gopinath.R	National Conference on Quest for Civil Engineering	SRM University, Chennai on 30-03-17.