**PROFILE**

Name: **Dr. S.GEETHA, M.E., PhD**

**Professor in Civil Engineering Department,**

Rajalakshmi Engineering College, Chennai

Date of Birth : 03.06.1975

Contact Number : 9443426577

E-mail : kumageetha@gmail.com

**Educational Qualification :**

 Post Doctoral Fellowship on **“Properties of Aerated concrete with alternate aerating agents”** at IIT Madras , Jan 2020

* PhD on **“Studies on Pelletization and Hardening Processes on the Properties of Aggregates using Coal Bottom Ash”** in Building Technology and Construction Management Division, Civil Engineering Department, **IIT Madras**. July 2011

 M.E. (Structural Engineering) from Madras University in Jan 2000.

- **First Rank**

- **First Class with Distinction**

 B.E. (Civil Engineering) from Madurai Kamaraj University

- **First Class with Distinction TEACHING EXPERIENCE : 19 years**

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| S. No | Position & Organization | Nature of Job | Period |
| 1. | R.V.S. College of Engg. & Tech.  Dindigul | Lecturer  Senior Lecturer | Jan 2000 to  July 2005  July 2005 to  July 2007 |
| 2. | IIT Madras | Teaching and  Research Assistant | July 2007 to  May 2011 |
| 3. | Vel Tech Dr.RR & Dr.SR Technical  University | Associate Prof  Professor | June 2011 to  July 2011  July 2011 to  June 2014 |
| 4. | Rajalakshmi Engineering College | Professor | June 2014 till  date |

**PUBLICATIONS:**

1. **Geetha, S** and Ramamurthy, K. (2010), Reuse Potential of Low-Calcium Bottom Ash as Aggregate through Pelletization, *Waste Management ,*30, pp.1528–1535
2. **Geetha, S** and Ramamurthy, K. (2010) Environmental friendly technology of Cold- bonded bottom ash aggregate manufacture through chemical activation, *Journal of Cleaner Production,* 18, pp. 1561-1567
3. **Geetha, S** and Ramamurthy, K. (2011) Properties of Sintered Aggregate from Low Calcium Bottom Ash, *Construction and Building Materials,* 25, pp.2002-2013.
4. Dr.Selvakumar Madhavan and **Dr.S.Geetha**.(2012) „Influence of Meteorological Parameters on Air Pollutant Concentrations for Coimbatore City‟, *International Journal of Environmental Research and Development*, Vol.2, No.1, pp.21–34
5. Dr.Selvakumar Madhavan and **Dr.S.Geetha.** (2013) 'Analyzing Air Quality Data using Response Surface Methodology', *International Journal of Research in Environmental Science and Technology,* Vol.2, No.4, pp.136-142
6. **Geetha, S** and Ramamurthy, K. (2013) Geopolymer Aggregate using Low Calcium Bottom ash through Calcium Activation in Ambient Temperature, *Cement and Concrete Composites*. 43 (2013) pp. 20–30.
7. **Geetha, S** and Selvakumar. M (2015) Lightweight Composite for Structural Wall Panels, *Materials Today,* 2 , pp. 2928-2937.
8. **Geetha.S** and Selvakumar.M (2018), ‘Graphene Oxide Admixed Aerated Concrete Composite with Carbon Fibres’, Materials today, Elsevier, Vol. 5, Issue 9, pp.19808-19814
9. **Dr S.Geetha** and Dr M.Selvakumar “Fibre Reinforced Lightweight Composite Reinforced with

Geogrid for Wall Panels” *Materials Today,* 5 , pp. 5623–5630,2018

**RESEARCH PROJECTS:**

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| **S.**  **No** | **Title** | **Sponsoring**  **Agency and Officer**  **Concerned** | **Period** | **Amount** | **Status** |
| 1 | Characteristics of  Geopolymer Aerated Concrete using Mineral Admixtures | DST-SERB  (Young scientist) | Sep  2015-Sep  2018 | 20,94,090 | Completed. Lightweight high strength concrete with no cement was derived out of this project |
| 2 | Corrosion Resistant  Concrete with Phosphogypsum, mineral admixtures and carbon fibres for Marine Applications | DRDO-NRB | March  2016- March  2018 | 20,15,887 | Completed.  Concrete that resists corrosion was designed that can be used for marine structures. |

**MEMBERSHIPS :**

1. Life member in ISTE, No: LM 37203

2. Life member in Indian Concrete Institute (ICI)