

**Bio-Data of Principal Investigator(s) (PI), Co-Principal Investigator(s) (Co PI) and Coordinating Investigator of each partner Institution (Please be brief and follow the format)**

1. **Name : M.R.SWAMINATHAN**
2. **Gender: Male**
3. **Date of Birth: 05 / 11 /1975**
4. **Category: General  
(General/OBC/SC/ST)**
5. **E-mail ID: swami774@annauniv.edu**
6. **Qualifications**

S. No.	Degree	Institution	Year	Division/Class
1	PhD	Anna University, Chennai,	2011	--
2	M.E	PSG College of Technology, Coimbatore	2001	I
3	B.E	A.M.A College of Engineering, University of Madras	1998	I

**7. Employment Experience**

S. No.	Position & Organisation	Nature of Job	Period
1	Teaching Research Associate – CEG Campus, Anna University	Teaching & Research	July 2001-February 2005
2	Lecturer	Teaching & Research	February 2005 – December 2007
3	Asst. Prof. Sr. Gr.	Teaching & Research	December 2007 – December 2011
4	Asst. Prof. Sl. Gr.	Teaching & Research	December 2011 – December 2014
5	Associate Professor	Teaching & Research	December 2014 – Till Date

**8. Selected List of Ten Best Publications (*relevant to the proposed project*)**

1. M.A.Lenin, M.R.Swaminathan, G.Kumaresan, "Performance and emission characteristics of a DI diesel engine with a nanofuel additive ", FUEL, published by ELSEVIER. Vol. 109, pp. 362-365 (2013).
2. Suthagar.S, Swaminathan M.R, " Effects of Fuel Additive in HCCI combustion with Butanol Fuel Blends", International Journal of ChemTech Research, Vol. 8, Issue 11, pp. 292-299 (2016).
3. K. Sengottaiyan; M.R. Swaminathan, "Rotating Injector in DI diesel engine for improving performance and reducing NOx emission", international Journal of

Energy and Water Resources, published by SPRINGER. Vol. 1, Issue 1, pp. 19-26 (2017).

4. Anantharaman Sriraman, H. Revanth, M. R. Swaminathan, "Computational Investigation on Radiative Heat Transfer Characteristics of an Automotive LED Tail Light", MECHANIKA, published by KTU. Vol. 25, Issue 2, pp. 156-164 (2019).
5. M. Pramothraj, R. Santosh, M. R. Swaminathan, G. Kumaresan1, "Study of effect of Al and Cu microparticles dispersed in D-Mannitol PCM for effective solar thermal energy storage", Journal of Thermal Analysis and Calorimetry, published by SPRINGER. Vol. 137, Issue 2, pp. 1-10 (2019).
6. SS Ali, MR Swaminathan, "Effective utilization of waste cooking oil in a diesel engine equipped with CRDi system using C8 oxygenates as additives for cleaner emission", Fuel 275, 118003 (2020)

7. **Patents filed/Granted with details : NIL**

8. **Books Published /Chapters contributed (*relevant to the proposed project*)**

9. **Sponsored Research Projects (last five years)**

a. **Consultancy Projects (last five years)**

1. :

S. No	Title	Sponsoring Agency	Period	Amount
1	Study on No Pollution Level Increase at M/s Coromandel International Ltd., Fertiliser Plant, Ranipet	M/s GSH India Ltd.,	January - March 2018	59,000

b. **Sponsored Research/Consultancy Projects submitted for approval**

S. No.	Title	Funding Agency	Duration	Amount
1	SATHI - CHARACTERISATION Power quality analysis system applicable for smart grid & EV technology	DST	December 2020 – December 2025	3,00,000,00

10. **Awards and Honours:**

A. **National List**

B. **International List:**

- 11. Technologies Developed / Transferred:** (please provide details of technologies transferred to industry, technologies commercialized)

Date

(Signature of PI)