

1	Name	A.Santhosh		
2	Date of Birth (dd/mm/yyyy)	05/06/1990		
3	Designation	Project Assistant		
4	Degrees conferred (begin with Bachelor's degree)			
	Degree	Institution Conferring the degree	Field(s)	Year
	B.Sc	Muthurangam Govt Arts College	Chemistry	2008-2011
	M.Sc	Erode Arts and Science College	Chemistry	2012-2014
	M.Phil	Muthurangam Govt Arts College	Chemistry	2015-2016
	(P.hD)	Sathyabama Institute of Science and Technology	Chemistry	Ongoing
5	Research/Training/Teaching Experience (in chronological order)			
	<b>Duration</b>	<b>Institution</b>	<b>Nature of Work done</b>	
	2013-2014	Erode Arts and Science College,Erode	Study On Status Of Ground Water Quality In Krishnagiri Municipal Area Limit	
	2015	Sathyabama Institute of Science and Technology (Deemed university),Chennai	Waste Cooking oil Using Biodiesel Production (Biodiesel Pilot plant operation)	
	2015-2016	Muthurangam Govt Arts College,Vellore	Studies On Substituted Acetophenone Based Antibacterial Chalcone Derivatives	

<p>2015-2021</p>	<p>Sathyabama Institute of Science and Technology (Deemed university), Chennai</p>	<p>Synthesis and characterization of biodiesel from waste cooking oil, Palm oil, Sunflower oil, Almond oil, Custard apple oil, Pappaya oil, Rice bran oil, Saporta oil, watermelon oil, Neem oil, Prosopis juliflora oil, Simrabu guluka oil, Madhuca indica oil, Casonut oil, Groundnut oil, Coconut oil, Pongamia oil, Jatropha oil, Alovera oil Sodium Hydroxide and Potassium Hydroxide was employed for transesterification of Waste Cooking Oil. Fuel properties were analyzed and were found to comply with Acid number (ASTMD664), Kinematic Viscosity @ 40°C (ASTMD445), Density (ASTM), Moisture content (ASTMD2709), Flash and Fire point (ASTMD93), Copper strip corrosion @ 60°C for 3hrs (ASTMD130), Cloud and pour point (ASTMD2500) and Calorific value (ASTMD480913 Gc-TCD/FID standards.</p>
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2016	Sathyabama Institute of Science and Technology (Deemed university),Chennai	Bachelor Project was selected in BEST-2016 top 20 ideas conducted by Association of Biotechnology Led Enterprises India in association with Department of Biotechnology(Algal Bioplastic)
2017	Sathyabama Institute of Science and Technology (Deemed university),Chennai	Improvement of Oxidation stability and performance of Waste Cooking Oil biodiesel in engine Waste Cooking Oil biodiesel blended with the commercial diesel in B10, B20. B30, B40 and B50. The B20 blend was found the best among all and its engine performance studies were carried out.
2018	Sathyabama Institute of Science and Technology (Deemed university),Chennai	Organize committee: International Conference on Waste Energy and Environment-2018(ICWEE- 2018)
2017-2020	Sathyabama Institute of Science and Technology (Deemed university),Chennai	Food waste activated charcoal using wash water treatment.
2017-2021	Sathyabama Institute of Science and Technology (Deemed university),Chennai	Zero Liquid Discharge Approach for Biodiesel Wash Water Management Organize committee: 2 <sup>nd</sup> International Conference on Waste Energy and Environment-

		2021(ICWEE- 2021)
6	Major scientific fields of Interest	Waste Cooking oil Using Biodiesel Production and Food waste activated charcoal using wash water treatment.
7	List of Publications	Synthesis of zinc chloride activated eco-friendly nano-adsorbent (activated carbon) from food waste for removal of pollutant from biodiesel wash water, Water Science & Technology Vol 84 No 5, 1170 doi: 10.2166/wst.2021.303
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10	Name of the Guide	Dr.Dawn SS Head and Professor Centre for Waste Management Sathyabama Institute of Science and Technology Chennai-119, dawnsudha@yahoo.com