## Individual Biodata



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Qualification :B.Tech (Mechanical Engineering)
M.Tech (Energy Technology)

Field of Specialization :

Major : Energy Technology

Specializing field : Thermodynamics, Heat and Mass Transfer and Power Plant Engineering

Experience (in years) :17

Current projects : Nil

| Sl.No. | Title of the Project | Year | PI & Co- PI of the Project | Funds (in Rs) | Funding Agency |
|---|---|---|---|---|---|
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Completed projects : Nil

| Sl.No. | Title of the Project | Year | PI & Co- PI of the Project | Funds (in Rs) | Funding Agency |
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**Research publications:**

1.Rengarajan,R&Karunakaran,R 2018,'Experimental study of solidification of paraffin wax in solar based triple concentric tube thermal energy storage system',Thermal Science,Vol.22.No.2.PP.973-978 ,Impact Factor-1.431(SCIE)

2. Rengarajan,R&Karunakaran,R 2015,'Review on heat transfer enhancement in thermal energy storage system,'International Journal of Applied Engineering Research,Vol.10 No.51.

3.Rengarajan,R&Karunakaran,R 2015,' 'Experimental study of Melting paraffin wax in solar based triple concentric tube thermal energy storage system,'International Journal of Applied Engineering Research,Vol.10 No.51

4.R.Rengarajan,experimental analysis and optimization of parameters in EDM of titanium alloy using graphite electrode,International journal of emerging technologies in engineering research,vol 5,issue 6,june 2017.

5. G.Flora, K.Senthilkannan,R.Rengarajan,P.Saravanan,2020, Anti diabetic (AD), stiffness and hardness studies of 2-[4-(Trifluoromethyl) phenyl]-1H-benzimidazole crystals - (TFMPHB) macro and nano crystal, Materialstoday;Proceedings,Vol.33/7,pp.4233-4236.

6.Mohamed ali,Abdul jabar ali,Senthilkannan.K,Rengarajan.R,2021, Characterizations, physio-chemical and biological evaluation of novel nanostructure hydroxyapatite synthesized by conventional method using egg shell and by green synthesis method using Melia dubia, Inorganic Chemistry Communications,Publication:Elsevier

Honours and Awards:Nil
(Including patents)