



**SRI RAAJA RAAJAN**  
**COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**AMARAVATHIPUDUR, KARAİKUDI- 630301**  
*(Approved by AICTE, New Delhi & Affiliated to Anna University)*

**NAAC**

*3.3.1 Number of Research Papers*

*Submitted by*

**IQAC**

**Sri Raaja Raajan College of Engineering and Technology**



# SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY

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Date : 05.08.2023

## TO WHOMSOEVER IT MAY CONCERN

I hereby declare that all the data, information and statements of **Number of research papers published year wise during the last five years** furnished here are true to the best of my knowledge.



Principal

PRINCIPAL

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Sivagangai Dist. Tamil Nadu

## CRITERIA – 3

### Research Publications and Awards

#### 3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

##### HEI Input:

2021-22	2020-21	2019-20	2018-19	2017-18
06	10	12	19	11

S.No	Content	Link to relevant Documents on Website
1	Revised DVV excel Format	<a href="http://sriaraajaan.in/naac/deviation/3.3.1.xlsx">http://sriaraajaan.in/naac/deviation/3.3.1.xlsx</a>

S.No	Title of paper	Name of the author/s	Year of publication	Link to relevant Documents on website
1.	Power Reduction in SR FFT Processor Using Multi Bit Flip Flop Method	DR.K.MURALI BABU,	2017	<a href="http://sriaraajaan.in/images/journal/DR.Murali%20babu%202.pdf">http://sriaraajaan.in/images/journal/DR.Murali%20babu%202.pdf</a>
2.	Maximum Power Point Tracking Control Solar Power Generation Using Fuzzy Network	N. RAJESWARI	2017	<a href="http://sriaraajaan.in/images/journal/N%20%20RAJESWARI%20%20JOURNAL%20EEE%202.pdf">http://sriaraajaan.in/images/journal/N%20%20RAJESWARI%20%20JOURNAL%20EEE%202.pdf</a>
3.	Assessment of Groundwater quality in different parts of Thiruvallur District of Tamilnadu, Southern India	DR.M.BALASUBRAMANIAN	2017	<a href="http://sriaraajaan.in/images/journal/DR.bal asubramanian%201.pdf">http://sriaraajaan.in/images/journal/DR.bal asubramanian%201.pdf</a>
4.	Heavy metal concentration in groundwater from Beasant nagar to SathanKuppam, South Chennai, Tamil Nadu, India.	DR.M.BALASUBRAMANIAN	2017	<a href="http://sriaraajaan.in/images/journal/DR.bal asubramanian%205.pdf">http://sriaraajaan.in/images/journal/DR.bal asubramanian%205.pdf</a>

5.	Combustion and emission analysis of fishing - boat diesel engine running on diesel-ethanol-biodiesel-ceria-alumina nano blends	DR.A.ELANGO	2017	<a href="http://sriraajaraajan.in/images/journal/02.pdf">http://sriraajaraajan.in/images/journal/02.pdf</a>
6.	Studies on affecting factors of wheel slip and odometry error on real-time of wheeled mobile robots	DR.A.ELANGO	2017	<a href="http://sriraajaraajan.in/images/journal/04.pdf">http://sriraajaraajan.in/images/journal/04.pdf</a>
7.	Simulation based sustainable manufacturing system design with cost reduction achievements	DR.A.ELANGO	2017	<a href="http://sriraajaraajan.in/images/journal/13.pdf">http://sriraajaraajan.in/images/journal/13.pdf</a>
8.	Studies on Interlayer Characteristics of Ti/Al Dissimilar Metal Joints Using Laser Beam Welding.	DR.A.ELANGO	2017	<a href="http://sriraajaraajan.in/images/journal/14.pdf">http://sriraajaraajan.in/images/journal/14.pdf</a>
9.	Effect of butt joint distortion on Ti/Al dissimilar metal using Laser beam welding	DR.A.ELANGO	2017	<a href="http://sriraajaraajan.in/images/journal/15.pdf">http://sriraajaraajan.in/images/journal/15.pdf</a>
10.	Weld speed effects on quality of Ti/Al dissimilar metal joints using laser beam welding	DR.A.ELANGO	2017	<a href="http://sriraajaraajan.in/images/journal/17.pdf">http://sriraajaraajan.in/images/journal/17.pdf</a>
11.	Emission Analysis on Cashew Nut Biofuel in Compression Ignition Engine	R. RAJASEKAR	2017	<a href="http://sriraajaraajan.in/images/journal/53%20Rajasekar.pdf">http://sriraajaraajan.in/images/journal/53%20Rajasekar.pdf</a>
12.	Experimental investigation on Performance and Emission Characteristics of J20, P20, N20 Biodiesel blends and Sound Characteristics of P20 Biodiesel blend Used in Single Cylinder Diesel Engine	R. RAJASEKAR	2018	<a href="http://sriraajaraajan.in/images/journal/54%20Rajasekar.pdf">http://sriraajaraajan.in/images/journal/54%20Rajasekar.pdf</a>
13.	Influence of LBW parameters on properties of Ti6Al4V/AA2024 dissimilar alloy joint	DR.A.ELANGO	2018	<a href="http://sriraajaraajan.in/images/journal/03.pdf">http://sriraajaraajan.in/images/journal/03.pdf</a>
14.	Fabrication and Comparison of Wheat Drying in Solar Dryer and Natural Dryer	DR.R.MEENA DEVI	2018	<a href="http://sriraajaraajan.in/images/journal/ICMNR35%20MEENA%20%20DEVI.pdf">http://sriraajaraajan.in/images/journal/ICMNR35%20MEENA%20%20DEVI.pdf</a>
15.	An Exhaustive Study on the Performance And Quality Assessment of Biodiesel Produced from Low Catalytic Activity Catalyst	DR.R.MEENA DEVI	2018	<a href="http://sriraajaraajan.in/images/journal/Journal%20Meena%20devi%201.pdf">http://sriraajaraajan.in/images/journal/Journal%20Meena%20devi%201.pdf</a>

16.	Experimental Investigations of Specific Gravity on Trans esterified Rubber Seed Methyl Ester	DR.R.MEENA DEVI	2018	<a href="http://sriraajaraajan.in/images/journal/Journal%20Meena%20devi%203.pdf">http://sriraajaraajan.in/images/journal/Journal%20Meena%20devi%203.pdf</a>
17.	Production of an Alternative Fuel from a low cost feed stock - An economical view	DR.R.MEENA DEVI	2018	<a href="http://sriraajaraajan.in/images/journal/Journal%20Meena%20devi%203.pdf">http://sriraajaraajan.in/images/journal/Journal%20Meena%20devi%203.pdf</a>
18.	Strategical Comparison Of Placement And Routing In VLSI Design Using Optimization Algorithms	DR.K.MURALI BABU,	2018	<a href="http://sriraajaraajan.in/images/journal/DR.Murali%20babu%203.pdf">http://sriraajaraajan.in/images/journal/DR.Murali%20babu%203.pdf</a>
19.	Positive impact on the quality of Groundwater in Chennai coastal aquifer due to the cloudburst during December 201	DR.M.BALASUBRAMANIAN	2018	<a href="http://sriraajaraajan.in/images/journal/DR.bal asubramanian%203.pdf">http://sriraajaraajan.in/images/journal/DR.bal asubramanian%203.pdf</a>
20.	Concentration of Heavy Metal in Surface Water and Groundwater Adyar River Basin, Chennai, Tamilnadu, India.	DR.M.BALASUBRAMANIAN	2018	<a href="http://sriraajaraajan.in/images/journal/DR.bal asubramanian%204.pdf">http://sriraajaraajan.in/images/journal/DR.bal asubramanian%204.pdf</a>
21.	Experimental Investigation on Mechanical and Distortion Characteristics of Titanium/Aluminium Dissimilar Metal Joint Using Laser Beam Welding	DR.A.ELANGO	2018	<a href="http://sriraajaraajan.in/images/journal/06.pdf">http://sriraajaraajan.in/images/journal/06.pdf</a>
22.	Effect of heat treatment on mechanical properties and microstructure of Ti/Al sheet metal joint using laser beam welding	DR.A.ELANGO	2018	<a href="http://sriraajaraajan.in/images/journal/07.pdf">http://sriraajaraajan.in/images/journal/07.pdf</a>
23.	Energy conservation in two wheeler head tube welding fixture by modeling	DR.A.ELANGO	2018	<a href="http://sriraajaraajan.in/images/journal/09.pdf">http://sriraajaraajan.in/images/journal/09.pdf</a>
24.	Studies on weldment performance of Ti/Al dissimilar sheet metal joints using laser beam welding	DR.A.ELANGO	2018	<a href="http://sriraajaraajan.in/images/journal/10.pdf">http://sriraajaraajan.in/images/journal/10.pdf</a>
25.	Solar based automatic harvesting robot.	DR.A.ELANGO	2018	<a href="http://sriraajaraajan.in/images/journal/11.pdf">http://sriraajaraajan.in/images/journal/11.pdf</a>
26.	Influence of LBW parameters on properties of Ti6Al4V/AA2024 dissimilar alloy joint	DR.A.ELANGO	2018	<a href="http://sriraajaraajan.in/images/journal/12.pdf">http://sriraajaraajan.in/images/journal/12.pdf</a>
27.	Performance And Emission Characteristics	R. RAJASEKAR	2018	<a href="http://sriraajaraajan.in/images/journal/55%20Rajasekar.pdf">http://sriraajaraajan.in/images/journal/55%20Rajasekar.pdf</a>

	of Biodiesel Derived From Coconut Acid Oil			
28.	Redesigning of the diesel engine turbocharger compressor wheel to improve the low-cycle fatigue life	R. RAJASEKAR	2018	<a href="http://sriaraajaan.in/images/journal/57%20Rajasekar.pdf">http://sriaraajaan.in/images/journal/57%20Rajasekar.pdf</a>
29.	Experimental analysis of engine performance and emission characteristics using biodiesel obtained from winter green oil	R. RAJASEKAR	2018	<a href="http://sriaraajaan.in/images/journal/59.pdf">http://sriaraajaan.in/images/journal/59.pdf</a>
30.	Mechanical and wear behavior of the Al-Mg-Nano ZrC composite obtained by means of the powder metallurgy method	DR.K.VELMANIRAJAN	2018	<a href="http://sriaraajaan.in/images/journal/no%2070%20Dr.K.velmanirajan.pdf">http://sriaraajaan.in/images/journal/no%2070%20Dr.K.velmanirajan.pdf</a>
31.	Switching Systems for Agriculture by Digitalization Technique using---RASPERRY-PI	DR.K.MURALI BABU,	2019	<a href="http://sriaraajaan.in/images/journal/DR.Murali%20babu%201.pdf">http://sriaraajaan.in/images/journal/DR.Murali%20babu%201.pdf</a>
32.	Communication That Is Maladaptive for Middle-Class Couples Is Adaptive for Socioeconomically Disadvantaged Couples	DR. M. SAKTHIVEL	2019	<a href="http://sriaraajaan.in/images/journal/PSYS AKTJOU1219%20SAKTHIVEL.pdf">http://sriaraajaan.in/images/journal/PSYS AKTJOU1219%20SAKTHIVEL.pdf</a>
33.	Sustainable echo design for fixture index mechanism in crank shaft speed sensor assembly line	DR.X.HYACINTH SUGANTHI	2019	<a href="http://sriaraajaan.in/images/journal/DR.hyacinth%20Suganthhi%201.pdf">http://sriaraajaan.in/images/journal/DR.hyacinth%20Suganthhi%201.pdf</a>
34.	Quality of groundwater and seawater intrusion along northern Chennai metropolitan city	DR.M.BALASUBRAMANIAN	2019	<a href="http://sriaraajaan.in/images/journal/DR.bal asubramanian%202.pdf">http://sriaraajaan.in/images/journal/DR.bal asubramanian%202.pdf</a>
35.	Development of an intelligent decision making tool for maintenance planning using fuzzy logic and dynamic scheduling	DR.A.ANDREW	2019	<a href="http://sriaraajaan.in/images/journal/Dr.andrew.pdf">http://sriaraajaan.in/images/journal/Dr.andrew.pdf</a>
36.	Performance investigation on various models on solar photovoltaic thermal (PVT) hybrid system	DR.A.ELANGO	2019	<a href="http://sriaraajaan.in/images/journal/05.pdf">http://sriaraajaan.in/images/journal/05.pdf</a>
37.	Aluminum and Its Interlinking Properties	DR.K.VELMANIRAJAN	2019	<a href="http://sriaraajaan.in/images/journal/K.velmanirajan%2046.pdf">http://sriaraajaan.in/images/journal/K.velmanirajan%2046.pdf</a>
38.	An Improved Method for Generating Biometric-Cryptographic System from Face Feature. In 2019 3rd	S.AANJANKUMAR	2019	<a href="http://sriaraajaan.in/images/journal/anankumar%202.pdf">http://sriaraajaan.in/images/journal/anankumar%202.pdf</a>



	International Conference on Trends in Electronics and Informatics (ICOEI)			
39.	W2C Nano dot-decorated CNT networks as a highly efficient and stable electro catalyst for hydrogen evolution in acidic and alkaline media	DR.R.MANIGANDAN	2019	<a href="http://sriraajaraajan.in/images/journal/64%20Dr.manigandan.pdf">http://sriraajaraajan.in/images/journal/64%20Dr.manigandan.pdf</a>
40.	Three-dimensional porous Nano architecture constructed by ultrathin NiCo BO x Nano sheets as a highly efficient and durable electro catalyst for oxygen evolution reaction	DR.R.MANIGANDAN	2019	<a href="http://sriraajaraajan.in/images/journal/63%20manigandan.pdf">http://sriraajaraajan.in/images/journal/63%20manigandan.pdf</a>
41.	Scalable Synthesis of Heterogeneous W–W2C Nanoparticle-Embedded CNT Networks for Boosted Hydrogen Evolution Reaction in both Acidic and Alkaline Media	DR.R.MANIGANDAN	2019	<a href="http://sriraajaraajan.in/images/journal/67%20manigandan.pdf">http://sriraajaraajan.in/images/journal/67%20manigandan.pdf</a>
42.	Experimental investigation of diesel engine performance fuelled with the blends of Jatropha curcas, ethanol, and diesel	R. RAJASEKAR	2019	<a href="http://sriraajaraajan.in/images/journal/60.pdf">http://sriraajaraajan.in/images/journal/60.pdf</a>
43.	"I Cheated, but Only a Little": Partial Confessions to Unethical Behavior	DR. M. SAKTHIVEL	2020	<a href="http://sriraajaraajan.in/images/journal/psy000026192020%20SAKTHI%20VEL.pdf">http://sriraajaraajan.in/images/journal/psy000026192020%20SAKTHI%20VEL.pdf</a>
44.	Estimation of carbon credits of fishing boat diesel engine running on diesel-ethanol-bio-diesel blends with Nano alumina doped ceria-zirconia	DR.A.ELANGO	2020	<a href="http://sriraajaraajan.in/images/journal/01.pdf">http://sriraajaraajan.in/images/journal/01.pdf</a>
45.	An efficient soft computing approach for securing information over GAMEOVER Zeus Botnets with modified CPA algorithm. Soft Computing, 2	S.AANJANKUMAR	2020	<a href="http://sriraajaraajan.in/images/journal/anjan%20kumar%201.pdf">http://sriraajaraajan.in/images/journal/anjan%20kumar%201.pdf</a>
46.	Influence of Nano catalyst on performance of DI diesel engine with blends of Citronella oil using Taguchi approach	R. RAJASEKAR	2020	<a href="http://sriraajaraajan.in/images/journal/50%20R.%20Rajasekar.pdf">http://sriraajaraajan.in/images/journal/50%20R.%20Rajasekar.pdf</a>
47.	Reduction of NO x emissions with low viscous biofuel using	R. RAJASEKAR	2020	<a href="http://sriraajaraajan.in/images/journal/51%20Rajasekar.pdf">http://sriraajaraajan.in/images/journal/51%20Rajasekar.pdf</a>

	exhaust gas recirculation technique			
48.	CFD analysis of modified fuel injector in splash area	R. RAJASEKAR	2020	<a href="http://srirajaraajan.in/images/journal/56%20Rajasekar.pdf">http://srirajaraajan.in/images/journal/56%20Rajasekar.pdf</a>
49.	Evaluation of metal oxide Nano particles in lemongrass biodiesel for engine performance, emission and combustion characteristics	R. RAJASEKAR	2020	<a href="http://srirajaraajan.in/images/journal/58%20Rajasekar.pdf">http://srirajaraajan.in/images/journal/58%20Rajasekar.pdf</a>
50.	Chalcopyrite with Magnetic and Dielectric Properties: An Introductory Catalyst for 4-Nitrophenol Reduction	DR.R.MANIGANDAN	2020	<a href="http://srirajaraajan.in/images/journal/65%20manigandan.pdf">http://srirajaraajan.in/images/journal/65%20manigandan.pdf</a>
51.	Vertical V-Doped CoP Nano wall Arrays as a Highly Efficient and Stable Electro catalyst for the Hydrogen Evolution Reaction at all pH Values	DR.R.MANIGANDAN	2020	<a href="http://srirajaraajan.in/images/journal/65%20manigandan.pdf">http://srirajaraajan.in/images/journal/65%20manigandan.pdf</a>
52.	A Secure Authenticated Biocryptosystem Using Face Attribute Based on Fuzzy Extractor.	S.AANJANKUMAR	2020	<a href="http://srirajaraajan.in/images/journal/58.pdf">http://srirajaraajan.in/images/journal/58.pdf</a>
53.	Hierarchically porous Nano architecture constructed by ultrathin CoSe <sub>2</sub> embedded Fe-CoO Nano sheets as robust electro catalyst for water oxidation	DR.R.MANIGANDAN	2021	<a href="http://srirajaraajan.in/images/journal/62%20Dr.R.Manigandan.pdf">http://srirajaraajan.in/images/journal/62%20Dr.R.Manigandan.pdf</a>
54.	Study on Stepped-Type Basin Solar Still and Analytical Validation Using RSM	DR.K.VELMANIRAJAN	2021	<a href="http://srirajaraajan.in/images/journal/no%2069%20Dr.k.Velimanirajan.pdf">http://srirajaraajan.in/images/journal/no%2069%20Dr.k.Velimanirajan.pdf</a>
55.	An Analysis Of The Cbr Value Of Soil Stabilized With Thermal Power Plant Waste Fly Ash And Admixtures For The Design Of Subgrade In Flexible Pavements	Dr. G. Manikandan	2021	<a href="http://srirajaraajan.in/images/journal/61.pdf">http://srirajaraajan.in/images/journal/61.pdf</a>
56.	Effective Traffic Management Using GIS Technology	Dr. G. Manikandan	2021	<a href="http://srirajaraajan.in/images/journal/62.pdf">http://srirajaraajan.in/images/journal/62.pdf</a>
57.	GIS based study on Impacts of Metro Project on Traffic Management in the city	Dr. G. Manikandan	2021	<a href="http://srirajaraajan.in/images/journal/63.pdf">http://srirajaraajan.in/images/journal/63.pdf</a>
58.	A Study on The Use of Industrial Wastes of Rigid Pavements To Reduce Carbon Footprint In Rural Road Construction	Dr. G. Manikandan	2021	<a href="http://srirajaraajan.in/images/journal/64.pdf">http://srirajaraajan.in/images/journal/64.pdf</a>



