

### **Publications List of Dr. S. Sivakumar in the Last 5 years**

1. Bio-fuel production from Martynia annua L. seeds using slow pyrolysis reactor and its effects on diesel engine performance, combustion and emission characteristics.  
RS Kumar, **S Sivakumar**, A Joshuva, G Deenadayalan, R Vishnuvardhan  
Energy 217, 119327      **2021**
2. An insight on VMD for diagnosing wind turbine blade faults using C4. 5 as feature selection and discriminating through multilayer perceptron.  
A Joshuva, RS Kumar, **S Sivakumar**, G Deenadayalan, R Vishnuvardhan  
Alexandria Engineering Journal 59 (5), 3863-3879      **2020**
3. Biocompatibility and Surface Studies on Electrospark-Machined Titanium-Based Human Implants.  
**S Sivakumar**, MA Khan, GJ Senapathy  
Journal of Bio-and Tribo-Corrosion 6 (2), 1-11 **2020**
4. Studies on surface quality of stainless steel implant material while machining with WEDM process.  
**S Sivakumar**, MA Khan, B Muralidharan  
International Journal of Machining and Machinability of Materials 22      **2020**
5. Electrochemical behaviour of human implant material after WEDM machining process.  
**S Sivakumar**, MA Khan, B Muralidharan, L Muthulakshmi  
Materials Today: Proceedings 22, 3226-3231      **2020**
6. Effective Utilization of Banana Plant Waste Materials for Catalytic Converter Filter in Kirloskar Diesel Engine.  
JP Kumar, **S Sivakumar**, R Balaji, S Sathish, M Nadarajan  
Materials Today: Proceedings 24, 2174-2184      **2020**
7. Fault Diagnosis of Wind Turbine Blades Using Histogram Features through Nested Dichotomy Classifiers.  
A Joshuva, **S Sivakumar**, R Sathishkumar, G Deenadayalan,  
International Journal of Recent Technology and Engineering 8 (2s11), 193-201      **2019**
8. Research on Hyper pipes and Voting Feature Intervals Classifier for Condition Monitoring of Wind Turbine Blades Using Vibration Signals.  
A Joshuva, **S Sivakumar**, R Vishnuvardhan, G Deenadayalan,  
International Journal of Recent Technology and Engineering 8 (2s11), 310-319      **2019**
9. Logistic Model Tree Classifier for Condition Monitoring of Wind Turbine Blades.  
A Joshuva, G Deenadayalan, **S Sivakumar**, R Sathishkumar,  
International Journal of Recent Technology and Engineering 8 (2s11), 202-209      **2019**
10. Implementing Rotation Forest for Wind Turbine Blade Fault Diagnosis.  
A Joshuva, G Deenadayalan, **S Sivakumar**, R Sathishkumar, ...  
International Journal of Recent Technology and Engineering 8 (2s11), 185-192      **2019**
11. Pollution Hazard Caused By Anti-Disease Drugs In Hospital Environments Near Chennai.  
RSB 8. A. John Presin Kumar, G. Ravikumar Solomon, **S. Sivakumar**, S. Sathish  
International Journal of Recent Technology and Engineering 8 (3), 6401-05      **2019**

12. Data set on optimization of ethyl ester production from sapota seed oil.  
RV R. Sathish Kumar, **S. Sivakumar**, A. Joshuva, G. Deenadayalan  
Data in Brief, 104388     **2019**
13. Embargo Nature of CuO-PANI Composite Against Corrosion of Mild Steel in Low pH Medium.  
PK Selvaraj, **S Sivakumar**, S Selvaraj  
Journal of Electrochemical Science and Technology 10 (2), 139-147 **2019**
14. Studies on the Corrosion Inhibition Property of Sr (ZnZr) xFe10O19-PANI Polymer Composite for mild steel in Strong Acidic Condition.  
**S Sivakumar**, S Selvaraj, PK Selvaraj  
Materials Today: Proceedings 8, 69-78 **2019**
15. Experimental Investigation on Mechanical Properties of Sisal Fiber Reinforced Epoxy Composite.  
R Vishnuvardhan, RR Kothari, **S Sivakumar**  
Materials Today: Proceedings 18, 4176-4181 **2019**
16. A Recent Investigations: Effect of Surface Grinding on CFRP using Rotary Ultrasonic Machining.  
R Balaji, **S Sivakumar**, M Nadarajan, A Selokar  
Materials Today: Proceedings 18, 5209-5218 **2019**
17. Modelling and analysis of Disk Brake under Tribological behaviour of Al-Al<sub>2</sub>O<sub>3</sub> Ceramic Matrix Composites/Kevlar® 119 composite/C/Sic-Carbon Matrix Composite/Cr-Ni-Mo-V steel.  
R Balaji, M Nadarajan, A Selokar, SS Kumar, **S Sivakumar**  
Materials Today: Proceedings 18, 3415-3427 **2019**
18. Producing Electrical Energy from Light Intensity, Design Traking System by Dual Axis Method.  
VT Vishnuvardhan R, Pooranam N, **Sivakumar S**  
International Journal of Mechanical and Production Engineering Research and ... **2019**
19. Garnet and Al-flyash composite under dry sliding conditions.  
**S Sivakumar**, S Senthil Kumaran, M Uthayakumar, A Daniel Das  
Journal of Composite Materials 52 (17), 2281-2288 **2018**
20. Impervious Nature of Al<sub>2</sub>O<sub>3</sub>-PANI Composite Against Corrosion on Mild Steel in Strong Acidic Environment  
PK Selvaraj, **S Sivakumar**, S Selvaraj  
Oriental Journal of Chemistry 34 (4), 1832     **2018**
21. NiO-PANI composite as potential inhibitor for Mild Steel in acidic corrosion environment.  
P Kamatchi Selvaraj, **S Sivakumar**, S Selvaraj  
Int. J. chem. sci 16 (2), 268     **2018**