

Ramco Institute of Technology
Department of Mechanical Engineering

B2.5. Research and Development

Name of the faculty	Academic Research			
	Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc.		Ph.D. guided /Ph.D. awarded during the assessment period while working in the institute	
	As provided in SAR up to (2019-20)	After evaluation (Till the date of Compliance report) from (2019-20)	As provided in SAR	After evaluation (till the date of compliance report)
Dr. S. Rajakarunakaran	22	05	-	02
Dr. P. Sureshkumar	3	12	-	01
Dr. V. Sivakumar	1	10	-	-
Dr. M. Lakshmanan	-	11	-	-
Dr. J. Jerold John Britto	2	15	-	-
Dr. S. Maharajan	1	07	-	-
Mr. M. Sivagaminathan alias Balaji	-	01	-	-
Mr. M. Ashok Kumar	-	02	-	-
Mr. S. Valai Ganesh	2	03	-	-
Mr. C. Gururaj	-	01	-	-
Mr. L. Karthikeyan	-	01	-	-
Mr. G. Prabu Ram	-	01	-	-
Mr. R. Arun Kumar	1	04	-	-
Mr. R. Venkatesh	-	07	-	-
Mr. R. Prabhakaran	-	03	-	-
Mr. M. Ramar	-	03	-	-
Mr. S. Kathiravan	-	01	-	-
Dr.N. Jawahar	-	03	-	-
Dr. S. Godwin Barnabas	2	05	-	-
Dr. J. Jabinth	1	02	-	-

S.Rajakarunakaran (2018-2019) – SAR

1. M Pethuraj, M Uthayakumar, **S Rajakarunakaran** and S Rajesh, "Solid particle erosive behaviour of sillimanite reinforced aluminium metal matrix composites", *Materials Research Express*, 5 (6) (2018). (Impact factor 1.449, SCI Indexed & Scopus indexed).
2. D.S. Vincent, P. Pitchipoo, N. Rajini, **S. Rajakarunakaran**, "Reduction of blind spots in heavy transport vehicles through the optimisation of driver seat design", *International Journal of Computer Aided Engineering and Technology*, 10 (1-2) 3-14 (2018). (Impact factor 0.07 & Scopus indexed).
3. M Pethuraj, M Uthayakumar, **S Rajakarunakaran**, S Rajesh, "Electrical Discharge Machining of Sillimanite Reinforced Aluminium Metal Matrix Composites", *Journal of Advanced Microscopy Research*, 13 (2) 171-175 (2018). (Scopus indexed).
4. Manickaraj Pethuraj, M. Uthayakumar, **Rajakarunakaran Sivaprakasam**, Rajesh Shanmugavel "Study on ultrasonic assisted drilling of aluminium sillimanite reinforced composites", *International Journal of Mechanical and) Production Engineering Research and Development (IJMPERD)* ISSN(P): 2249–6890; ISSN(E): 2249–8001, Vol. 9, Special Issue 2, Jun, 923–932.

(2017-2018) – SAR

5. Maniram Kumar, **S. Rajakarunakaran**, P. Pitchipoo and R. Vimalasan "Fuzzy based risk prioritization in an auto LPG dispensing station" *Safety Science*, 101, 231-247, (2018). (Impact factor 3.619, SCI Indexed & Scopus indexed journal cite score 4.49).
6. N. Rajini, JTW Jappes, I. Siva and **S. Rajakarunakaran**, "Fire and thermal resistance properties of chemically treated lingo-cellulosic coconut fabric-reinforced polymer econanocomposites" *Journal of Industrial Textiles*, 47, 1, 104-124, (2017). (Impact factor 1.885, SCI Indexed & Scopus indexed, journal citation report 1128).
7. P. Pitchipoo, P. Venkumar, **S. Rajakarunakaran** and R. Ragavan, "Decision Model for Supplier Evaluation and Selection in Process Industry: A Hybrid DEA Approach", *International Journal of Industrial Engineering*, 25, 2, 186-189, (2018). (Impact factor 0.19 & Scopus indexed).
8. DS. Vincent, P. Pitchipoo and **S. Rajakarunakaran** "Hybrid optimisation model for blind spot reduction in heavy vehicles" *International Journal of Computer Aided Engineering and Technology*, 9, 2, 145-153, (2017). (Impact factor 0.07 & Scopus indexed).
9. DS. Vincent, P Pitchipoo, N. Rajini, and **S. Rajakarunakaran**, "Reduction of blind spots in heavy transport vehicles through the optimization of driver seat design" *International Journal of Computer Aided Engineering and Technology*, 10, 1-2, 1-10, (2018). (Impact factor 0.07 & Scopus indexed).

(2016-2017) – SAR

10. Maniram Kumar, **S. Rajakarunakaran** and V. Arumuga Prabhu, “Application of Fuzzy HEART and expert elicitation for quantifying human error probabilities in LPG refueling station” *Journal of Loss Prevention in the Process Industries*, 48,186-198, (2017). (Impact factor 2.069, SCI Indexed & Scopus indexed).
11. M.T.Sambandam, N. A. Madloul, R. Saidur, D.Devaraj, **S.Rajakarunakaran**, (2017), Investigation of energy saving potentials in T-junction and elbow in compressed air systems, *International Journal of Energy Efficiency*, 1-15.

(2015-2016) – SAR

12. Maniram Kumar, **S. Rajakarunakaran** and V. Arumuga Prabhu, “Quantification of Human error Probability by Cognitive Approach in LPG Dispenser” *International Journal of Applied Engineering Research*, 10, 11, 27635-27650, (2015).
13. Maniram Kumar, **S. Rajakarunakaran** and V. Arumuga Prabhu, “Analysis of Failure Modes in the Filling Process of LPG Storage Tanks” *International Journal of Applied Engineering Research*, 10, 45, 31839-31845, (2015).
14. P.Pitchipoo, DS.Vincent, **S.Rajakarunakaran** (2016), Development of Fuzzy Based Intelligent Decision Model to Optimize the Blind Spots in Heavy Transport Vehicles, *Promet – Traffic & Transportation*, Vol. 28, No. 1, 1-16. (Impact Factor: 0.768. Scopus indexed)
15. A.Maniram Kumar, **S.Rajakarunakaran** and V.Arumuga Prabhu (2015), “ Human Reliability Analysis by Cognitive approach for unloading process in an ALDS (Auto LPG Dispensing Station)”, *Indian Journal of Science and Technology*, vol.8, no. 26, pp. 1-11.

(2014-2015) – SAR

16. P. Ganesan, **S. Rajakarunakaran**, M.T. Sambandam and D. Devaraj, "Artificial neural network model to predict the diesel electric generator performance and exhaust emissions" *Energy*, 83, 115-124, (2015). (Impact factor 5.59, SCI Indexed & Scopus indexed).
17. P. Pitchipoo, P. Venkumar and **S. Rajakarunakaran**, "Grey decision model for supplier evaluation and selection in process industry: a comparative perspective", *The International Journal of Advanced Manufacturing Technology*, 76, 9-12, 2059-2069, (2015). (Impact factor 2.750, SCI Indexed & Scopus indexed).

18. **Sivaprakasam Rajakarunakaran**, A. Maniram Kumar, V. Arumuga Prabhu, “Applications of Fuzzy Faulty Tree Analysis and Expert Elicitation for Evaluation of risks in LPG Refueling Station”, *Journal of Loss Prevention in the Process Industries*, 33, 109-123, (2015). (Impact factor 2.750, SCI Indexed & Scopus indexed).
19. P. Pitchipoo, D. Vincent, N. Rajini and **S. Rajakarunakaran**, "COPRAS Decision Model to Optimize Blind Spot in Heavy Vehicles: A Comparative Perspective", *Procedia Engineering*, 97, 1049-1059, (2014). (Impact factor 0.784, Scopus indexed).
20. P. Pitchipoo, DS. Vincent, N. Rajini and **S. Rajakarunakaran**, "Fuzzy Analytical Hierarchy Process based optimization of rear view mirror design parameters for blind spots reduction in heavy transport vehicles" *International Journal of Vehicle Structures & Systems*, 7, 4, 136-140, (2015).
21. Ganesan P. **S.Rajakarunakaran**, M.Thirugnanasambandam and D.Devaraj (2015) “Specific energy consumption and CO2 emission analysis in a textile industry”, *International Journal of Green Energy*, 12(7), 85-693.
22. Ganesan P. **S.Rajakarunakaran**, M.Thirugnanasambandam and D.Devaraj (2015) ‘The influence of floor tile colour on lighting and energy saving’ *Power Electronics and Renewable Energy System*, 177-182.

After evaluation (Till the date of compliance report) from (2019-20)

1. Pethuraj, M., Uthayakumar, M., Rajesh, S., Abdul Majid, M.S., **Rajakarunakaran, S.**, Niemczewska-Wójcik, M. Dry Sliding Wear Studies on Sillimanite and B4C Reinforced Aluminium Hybrid Composites Fabricated by Vacuum Assisted Stir Casting Process (2023) *Materials*, 16 (1), art. no. 259, . (SCI with IF: 3.748)
2. Arunagiri, R., Pandian, P., Krishnasamy, V., Ramasamy, R., **Rajakarunakaran, S.**, Selection of browsers for smartphones: a fuzzy hybrid approach and machine learning technique (2023) *Knowledge and Information Systems*, . (SCI with IF: 2.531)
3. Arunagiri, R., Pandian, P., Krishnasamy, V., **Rajakarunakaran, S.** Browser Selection for Android Smartphones Using Novel Fuzzy Hybrid Multi Criteria Decision Making Technique (2022) *Information Technology and Control*, 51 (3), pp. 467-484. (SCI with IF: 0.813)
4. Senthil Kumar, S., Sudhakara Pandian, R., Pitchipoo, P., **Rajakarunakaran, S.**, Rajesh, S. Investigation of Al-Mg based composite incorporated with MoS2 through powder metallurgy (2021) *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, 235 (4), pp. 986-996. (SCI with IF: 1.822)
5. Ramathilagam Arunagiri, R. Sudhakara Pandian, Valarmathi Krishnasamy, Ramasamy, R. and

Rajakarunakaran Sivaprakasam (2023). Selection of browsers for smartphones: a fuzzy hybrid approach and machine learning technique. *Knowledge and Information Systems*, 65(5), pp.1963–1988. doi:<https://doi.org/10.1007/s10115-022-01778-2>.

P.Sureshkumar (2019-2020) SAR

1. **P.Sureshkumar**, V.C.Uvaraja, S.Rajakarunakaran, “Influence of number of passes, processing route and age hardening on microstructure, mechanical and tribological properties of ECAPED Aluminium alloy adapted design of experiments through Taguchi technique”, *Journal of the Balkan Tribological Association*, 25(2) 260-279(2019). (Web of Science).
2. **P.Sureshkumar**, V.C.Uvaraja, S.Rajakarunakaran, “Addition of metallic reinforcement enhanced deformation and properties of ceramic reinforced composite by adapting ECAP with increment number of passes”, *Materials Research Express*, 6 (2019)086502.

(2017-2018) – SAR

3. **P. Sureshkumar**, V.C. Uvaraja, " Effect of Ceramic and Metallic Reinforcement on Mechanical, Corrosion, and Tribological Behavior of Aluminum Composite by Adopting Design of Experiment Through Taguchi Technique", *Journal of Tribology-Transaction of ASME*, 140 / 052031-1 (2018). (Impact factor 1.648, Scopus indexed & SCI Indexed).

After evaluation (Till the date of compliance report) from (2019-20)

1. **Sureshkumar, P.**, Ganesan, L., UmaRani, C., Stalin, B., Sasikumar, C., Rajan, S.T.K., Borek, W. Effect of strain rate on fractography texture descriptor of AA6063/(Si₃N₄)_x/(Cu(NO₃)₂)_y (x=12%, y = 2–6%) composite after multiple ECAP passes: second order statistical texture analysis conjunction with regression analysis (2023) *Journal of Materials Research and Technology*, 23, pp. 2750-2783 (SCI with IF: 6.267)
2. **Sureshkumar, P.**, Sasikumar, C., Rajan, S.T.K., Jagadeesha, T., Natrayan, L., Ravichandran, M., Veeman, D., Borek, W. Evaluation of mechanical and wear properties of AA6063/(Si₃N₄)_{6%}-12%/(CuN₂O₆)_{2%}-4% composite via PM route and optimization through robust design technique (2022) *Materials Research Express*, 9 (7), art. no. 076502, . (SCI with IF: 2.025)
3. Sezhian, M.V., Chakravarthi, G., Giridharan, K., Stalin, B., Kumar, B.Y., **Sureshkumar, P.**, Vairamuthu, J., Krishnaraj, R. Investigation of Friction Stir-Welded B₄C Particles-Reinforced Copper Joint: Mechanical, Fatigue, and Metallurgical Properties (2022) *Advances in Materials Science and Engineering*, 2022, art. no. 1667041, (SCI with IF: 2.098).
4. Padmanabhan, S., Giridharan, K., Stalin, B., Elango, V., Vairamuthu, J., **Sureshkumar, P.**, Jule, L.T., Krishnaraj, R. Sustainability and Environmental Impact of Ethanol and Oxyhydrogen Addition on Nanocoated Gasoline Engine (2022) *Bioinorganic Chemistry and Applications*, 2022, art. no. 1936415, . (SCI with IF: 4.724)
5. Giridharan, K., Sevel, P., Stalin, B., Ravichandran, M., **Sureshkumar, P.** Microstructural Analysis and Mechanical Behaviour of Copper CDA 101/AISI- SAE 1010 Dissimilar Metal Welds Processed by Friction Stir Welding (2022) *Materials Research*, 25, art. no. e20210430, . (SCI with IF: 1.511)

6. **Sureshkumar, P.**, Jagadeesha, T., Natrayan, L., Ravichandran, M., Veeman, D., Muthu, S.M. Electrochemical corrosion and tribological behaviour of AA6063/Si₃N₄/Cu(NO₃)₂ composite processed using single-pass ECAPA route with 120° die angle (2022) Journal of Materials Research and Technology, 16, pp. 715-733. (SCI with IF: 6.267)
7. Natrayan, L., Ravichandran, M., Veeman, D., **Sureshkumar, P.**, Jagadeesha, T., Mammo, W.D. Influence of Nanographite on Dry Sliding Wear Behaviour of Novel Encapsulated Squeeze Cast Al-Cu-Mg Metal Matrix Composite Using Artificial Neural Network (2021) Journal of Nanomaterials, 2021, art. no. 4043196, (SCI with IF: 3.791)
8. Natrayan, L., Ravichandran, M., Veeman, D., **Sureshkumar, P.**, Jagadeesha, T., Suryanarayanan, R., Mammo, W.D. Enhancement of Mechanical Properties on Novel Friction Stir Welded Al-Mg-Zn Alloy Joints Reinforced with Nano-SiC Particles (2021) Journal of Nanomaterials, 2021, art. no. 2555525, . (SCI with IF: 3.791)
9. Veeman, D., Shree, M.V., **Sureshkumar, P.**, Jagadeesha, T., Natrayan, L., Ravichandran, ., Paramasivam, P. Sustainable Development of Carbon Nanocomposites: Synthesis and Classification for Environmental Remediation (2021) Journal of Nanomaterials, 2021, art. no. 5840645, . (SCI with IF: 3.791)
10. Veeman, D., Sai, M.S., **Sureshkumar, P.**, Jagadeesha, T., Natrayan, L., Ravichandran, M., Mammo, W.D. Additive Manufacturing of Biopolymers for Tissue Engineering and Regenerative Medicine: An Overview, Potential Applications, Advancements, and Trends (2021) International Journal of Polymer Science, 2021, art. no. 4907027, . (SCI with IF: 2.972)
11. **Sureshkumar, P.**, Gururaj, C., Harrish, M., Shrinivas, R.K., Rahman, H.M.S. Microstructure studies on natural state of argentum by repetitive corrugation and straightening (2020) Journal of Green Engineering, 10 (9), pp. 5516-5529. (Scopus)
12. **P. Sureshkumar**, Ganesan, L., C. Uma rani, B. Stalin, C. Sasikumar, Rajan, K. and Borek, W. (2023). Effect of strain rate on fractography texture descriptor of AA6063/(Si₃N₄)_x/(Cu(NO₃)₂)_y (x=12%, y = 2–6%) composite after multiple ECAP passes: second order statistical texture analysis conjunction with regression analysis. Journal of Materials Research and Technology, 23, pp.2750–2783. doi:<https://doi.org/10.1016/j.jmrt.2023.01.176>.

M.Lakshmanan (2019-2020) SAR

After evaluation (Till the date of compliance report) from (2019-20)

1. Chakkravarthy, V., Oliveira, J.P., Mahomed, A., Yu, N., Manojkumar, P., **Lakshmanan, M.**, Zhang, L., Raja, V., Jerome, S., Prabhu T.R, Narayan, R.L. Effect of abrasive water jet peening on NaCl-induced hot corrosion behavior of Ti–6Al–4V (2023) Vacuum, 210, art. no. 111872. (SCI with IF: 4.110)
2. Chakkravarthy, V., **Lakshmanan, M.**, Manojkumar, P., Prabhakaran, R. Crystallographic orientation and wear characteristics of TiN, SiC, Nb embedded Al7075 composite (2022) Materials Letters, 306, art. no. 130936, . (SCI with IF: 3.574)
3. **Lakshmanan, M.**, Selwin Rajadurai, J., Chakkravarthy, V., Rajakarunakaran, S. Tribological investigations on h-BN/NiTi inoculated Al7075 composite developed via ultrasonic aided squeeze casting (2021) Materials Letters, 285, art. no. 129113, . (SCI with IF: 3.574)

4. **Lakshmanan, M.**, SelwinRajadurai, J., Chakkravarthy, V., Rajakarunakaran, S. Wear and EBSD studies on (SiC/NiTi) reinforced Al7075 composite (2020) Materials Letters, 272, art. no. 127879, . (SCI with IF: 3.574)
5. Chakkravarthy, V., Jose, S.P., **Lakshmanan, M.**, Manojkumar, P., Lakshmi Narayan, R., Kumaran, M. Additive manufacturing of novel Ti-30Nb-2Zr biomimetic scaffolds for successful limb salvage (2022) Materials Today: Proceedings, 64, pp. 1711-1716. (Scopus)
6. **Lakshmanan, M.**, Arun Shenbaga Raj, A., Arun Kumar, M., Aswin, R. Characterization studies on sustainable hybrid aluminium composites for high temperature corrosion protection (2020) Journal of Green Engineering, 10 (9), pp. 5232-5241. (Scopus)
7. V. Chakkravarthy, Oliveira, J.P., Mahomed, A., Yu, N., P. Manojkumar, **Lakshmanan, M.**, Zhang, L., Jerome, S., T. Ram Prabhu and Narayan, R. (2023). Effect of abrasive water jet peening on NaCl-induced hot corrosion behavior of Ti-6Al-4V. Vacuum, 210, pp.111872–111872. doi:<https://doi.org/10.1016/j.vacuum.2023.111872>.
8. V. Chakkravarthy, P. Manojkumar, **Lakshmanan, M.**, K. Eswar Prasad, Rucha Dafale, V. Chitra Vadhana and Narayan, R. (2023b). Comparing bio-tribocorrosion of selective laser melted Titanium-25% Niobium and conventionally manufactured Ti-6Al-4 V in inflammatory conditions. Journal of Alloys and Compounds, 952, pp.169852–169852. doi:<https://doi.org/10.1016/j.jallcom.2023.169852>.
9. Karuna Kumar Gonela, V. Chakkravarthy, Manojkumar Palanivel, **Lakshmanan Mariappan**, Narayan, R. and A. Rajesh Kannan (2023a). Effect of robotic weaving motion on mechanical and microstructural characteristics of wire arc additively manufactured NiTi shape memory alloy. International Journal of Materials Research, 114(10-11), pp.947–954. doi:<https://doi.org/10.1515/ijmr-2022-0272>.
10. **Lakshmanan, M.**, Ramar, M., S. Saravanakumar and M. Thojesh Nandha (2023). Mechanical and tribological performance of 18Ni(350) maraging steel. Materials Today: Proceedings. doi:<https://doi.org/10.1016/j.matpr.2023.03.299>.
11. **Lakshmanan, M.**, Ramar, M, Role of Raw Materials in Agro Products- An Empirical, Changing Face of Agriculture, Agri- Business, Agriculture Marketing and Organic Farming- Innovation and Strategies, ISBN number of the proceeding: 9788195935628, 2022, INSC International Publisher.

J.Jerold John Britto (2018-2019) SAR

1. **J.Jerold John Britto**, A.Vasanthanathan, P.Nagaraj, “Finite Element Modeling and Simulation of Condition Monitoring on Composite Materials using Piezoelectric Transducers -ANSYS®”, Materials Today Proceedings Materials Today: Proceedings 5 (2018) 6684–6691(Impact Factor: 0.694. Scopus indexed).

(2016-2017) – SAR

2. **J. Jerold John Britto**, A. Vasanthanathan, Dr. P. Nagaraj, “Damage Detection of Cost Effective CFRP Composite Structure using Fiber Optic Sensor under Dynamic Load”, International Journal of Advances in Engineering Research, Publications, (IJAER) 2016, Vol. No. 11, Issue No. II, February e-ISSN: 2231-5152/ p-ISSN: 2454-1796

After evaluation (Till the date of compliance report) from (2019-20)

1. Thirumoorthy, K., **Jerold John Britto, J.** A feature selection model for software defect prediction using binary Rao optimization algorithm (2022) *Applied Soft Computing*, 131, art. no. 109737, . (SCI with IF: 8.263)
2. Thirumoorthy, K., **Jerold John Britto, J.** A clustering approach for software defect prediction using hybrid social mimic optimization algorithm (2022) *Computing*, 104 (12), pp. 2605-2633. (SCI with IF: 2.420)
3. **Jerold John Britto, J.**, Vasanthanathan, A. Smart Piezo-bonded carbon fibre/epoxy composite structure: Experiments and finite element simulation (2022) *Materials Research Express*, 9 (4), art. no. 045702, . (SCI with IF: 2.025)
4. Thirumoorthy, K., **Jerold John Britto, J.** A Hybrid Approach for Text Summarization Using Social Mimic Optimization Algorithm (2022) *Iranian Journal of Science and Technology - Transactions of Electrical Engineering*, . DOI: 10.1007/s40998-022-00572-8 (SCI with IF: 1.890)
5. K. Thirumoorthy and **Jerold John Britto J.** (2023). A feature selection model for document classification using Tom and Jerry Optimization algorithm. *Multimedia Tools and Applications*. doi:<https://doi.org/10.1007/s11042-023-15828-6>.
6. K. Thirumoorthy and **Jerold John Britto J.** (2023b). A two-stage feature selection approach using hybrid quasi-opposition self-adaptive coati optimization algorithm for breast cancer classification. *Applied Soft Computing*, 146, pp.110704–110704. doi:<https://doi.org/10.1016/j.asoc.2023.110704>.
7. **Jerold John Britto J.**, A. Vasanthanathan and S. Rajakarunakaran (2023). Condition monitoring on piezoceramic embedded composite beam under Finite Element Simulation using COMSOL®. *World Review of Science, Technology and Sustainable Development*, 19(3), pp.255–265. doi:<https://doi.org/10.1504/wrstd.2023.131928>.
8. **John Britto J.J.**, Vasanthanathan A., Nagaraj P., Finite Element Modeling and Simulation of Condition Monitoring on Composite Materials Using Piezoelectric Transducers - ANSYS®, 2017 International Conference on Emerging Trends in Materials and Manufacturing Engineering, IMME 2017, ISBN number of the proceeding:22147853, 2018, Elsevier Ltd *Materials Today: Proceedings*.
9. **Jerold John Britto, J.**, Vasanthanathan, A., Rajakarunakaran, S., Prabhakaran, R, Numerical Simulation Study on Failure Prediction of FRP Laminate Composite Using COMSOL Multiphysics®, *Sustainable Development in Energy and Environment*, ISBN number of the proceeding: 9789811546389, 2020, Springer - *Sustainable Development in Energy and Environment*.
10. **Jerold John Britto J.**, Venkatesh R., Prabhakaran R., Amudhan K., Design optimization of biomedical stent under the influence of the radial pressure using FEM, 2nd International Conference on Recent Trends in Metallurgy, Materials Science and Manufacturing, IMME 2019, ISBN number of the proceeding: 22147853, Elsevier Ltd *Materials Today: Proceedings*
11. **Jerold John Britto, J.**, Vasanthanathan, A., Rajakarunakaran, S., Vigneshwaran, K. Numerical Simulation of Self-Expanded NitinolBased Shape Memory Alloy Stent, *Sustainable Development in Energy and Environment*, ISBN number of the proceeding: 9789811546389, 2020, Springer - *Sustainable Development in Energy and Environment*.

12. **Jerold John Britto, J.**, Vasanthanathan, A., Rajakarunakaran, S., Venkatesh, R, Validation and Verification of FRP Laminate Composite Material Characterization Under Numerical Simulation Using COMSOL Multiphysics®, Sustainable Development in Energy and Environment, ISBN number of the proceeding: 9789811546389, 2020, Springer - Sustainable Development in Energy and Environment.
13. **Jerold John Britto, J.**, Vasanthanathan, A., Rajakarunakaran, S., Manikandan, M., Ari Ramalingam, P, Numerical and Experimental Evaluation of Material Characterization on Glass Fiber/Epoxy Composite Material, Sustainable Development in Energy and Environment, ISBN number of the proceeding: 9789811546389, 2020, Springer - Sustainable Development in Energy and Environment.
14. **Jerold John Britto J**, Venkatesh R., Amudhan K., Vasanthanathan A., Gokulakrishnan N., Manikandan M., Micromechanics study on FRP composite cylinder under finite element simulation COMSOL Multiphysics®, 2019 International Conference on Advances in Materials Research, ICAMR 2019, ISBN number of the proceeding:22147853, 2021, Elsevier Ltd Materials Today: Proceedings.
15. Chandrasekar M., Venkatanarayanan P.S., Senthilkumar K., Kumar T.S.M., Siengchin S., **Jerold John Britto J**, Computational modeling of biocomposites, ISBN number of the proceeding: 9780128215531, 2021, ElsevierGreen Biocomposites for Biomedical Engineering: Design, Properties, and Applications

V.Sivakumar (2019-2020) SAR

1. Duraismy Ramalingam Rajendran, Esakkimuthu Ganapathy Sundaram, Paulraj Jawahar, **Vaithilingam Sivakumar**, Omid Mahian, Evangelos Bellos, "Review on influencing parameters in the performance of concentrated solar power collector based on materials, heat transfer fluids and design", Journal of Thermal Analysis and Calorimetry, 140 (2019) 33-51. Impact Factor – 2.471. Publisher:Springer. (23, September 2019) (Web of Science) (SCI Indexed).

After evaluation (Till the date of compliance report) from (2019-20)

1. Hadi Attia, M.E., Hussein, A.K., Radhakrishnan, G., **Sivakumar V.**, Younis, O., Akkurt, N. Energy, exergy and cost analysis of different hemispherical solar distillers: A comparative study (2023) Solar Energy Materials and Solar Cells, 252, art. no. 112187. (SCI with IF: 7.305)
2. Savithiri, V., Attia, M.E.H., Kabeel, A.E., **Sivakumar V.**, Radhakrishnan, G. Enhancing the productivity of hemispherical solar distillation by using energy storage (rubber) and wick materials at different thickness (2022) Solar Energy Materials and Solar Cells, 248, art. no. 112006, . (SCI with IF: 7.305)
3. Attia, M.E.H., Thalib, M.M., Kumar, S., Afzal, A., **Sivakumar V.**, Sathyamurthy, R., Manokar, A.M. Water quality analysis of solar still distillate produced from various water sources of El Oued region Algeria (2022) Desalination and Water Treatment, 253, pp. 55-62. (SCI with IF: 1.273)
4. Arani, R.P., **Sivakumar V.**, Selvaraj, K., Afzal, A. Experimental studies of solar still with tar-coated blue metal stones: Energy and exergy study (2022) Environmental Progress and Sustainable Energy, . DOI: 10.1002/ep.13997 (SCI with IF: 2.824)

5. **Sivakumar V.**, Muthu, V., Athikesavan, M.M., Afzal, A., Sathyamurthy, R. Energy and exergy analysis of conventional acrylic solar still with and without copper fins (2022) Environmental Science and Pollution Research, 29 (4), pp. 6194- 6204. (SCI with IF: 5.190)
6. **Sivakumar V.**, Gopal, S.T., Srinivasan, S.K., Manokar, A.M., Sathyamurthy, R., Esakkimuthu, G.S., Kumar, R., Sharifpur, M. An extensive review on thermodynamic aspect based solar desalination techniques (2021) Journal of Thermal Analysis and Calorimetry, 145 (3), pp. 1103-1119. (SCI with IF: 4.755)
7. Duraisamy Ramalingam, R., Esakkimuthu, G.S., Paulraj, J., Abd Elnaby, K., Athikesavan, M., Sathyamurthy, R., **Sivakumar V.** Inferences on the effects of geometries and heat transfer fluids in multi-cavity solar receivers by using CFD (2020) Environmental Science and Pollution Research, 27 (26), pp. 32205- 32217. (SCI with IF: 5.190)
8. Parimala Vellivel, Savithiri Vembu, Anitha Gunasekaran and **Sivakumar Vaithilingam** (2023). Water depth effect on energy, exergy losses, and exergy efficiency of solar still with wick materials: an experimental research. Environmental Science and Pollution Research, 30(30), pp.75170–75182. doi:<https://doi.org/10.1007/s11356-023-27519-8>.
9. Yuvaraj Maruthupandian; Ganapathy Sundaram Esakkimuthu; **Sivakumar Vaithilingam**; Gopinath Dhamodaran, Comparative analysis of single slope solar still and solar dish concentrator by energy and exergy approach, Articles in Press, Accepted Manuscript, Available Online from 22 May 2023. [10.30492/IJCCE.2023.1971443.5674](https://doi.org/10.30492/IJCCE.2023.1971443.5674) (SCIE)
10. **Sivakumar Vaithilingam**; Mohammed El Attia; Ahmed Kadhim Hussein; Asif Afal; Obai Younis, Experimental study on thermo, water quality and economic analysis of hemispherical solar still using different basin materials with and without internal reflector, Articles in Press, Accepted Manuscript, Available Online from 04 October 2023, [10.30492/IJCCE.2023.2000114.5970](https://doi.org/10.30492/IJCCE.2023.2000114.5970) (SCIE)

S.Maharajan (2019-2020) SAR

1. **S Maharajan**, D Ravindran, S Rajakarunakaran, M Adam Khan (2019), “Analysis of surface properties of tungsten carbide (WC) coating over austenitic stainless steel (SS316) using plasma spray process”, Materials Today: Proceedings, (Scopus indexed)

After evaluation (Till the date of compliance report) from (2019-20)

1. **Maharajan, S.**, Michael Thomas Rex, F., Ravindran, D., Rajakarunakaran, S. Erosive and corrosive wear performance and characterization studies of plasma-sprayed WC/Cr3C2 coating on SS316 (2022) International Journal of Applied Ceramic Technology, 19 (5), pp. 2845-2861. (SCI with IF: 2.328)
2. **Maharajan, S.**, Thomas Rex, F.M., Ravindran, D., Rajakarunakaran, S. Evaluation of solid particle erosion and electrochemical corrosion of plasma-sprayed WC/8YSZ coating on SS316 (2022) Surface Topography: Metrology and Properties, 10 (1), art. no. 015026, . (SCI with IF: 2.185)
3. **Maharajan, S.**, Prabu ram, G., Sakthi Priya, G., Lingadurai, K. Prediction of Temperature Distribution in Three Dimensional Solid Objects using COMSOL and Python (2022) Materials Today: Proceedings, 66, pp. 1241- 1246. (Scopus)

4. **Maharajan, S.,** Ravindran, D., Rajakarunakaran, S., Gururaj, C. Experimental investigation of erosion and corrosion behavior of HVOF sprayed WC + 50% Cr₃C₂ composite coatings on sustainable austenitic stainless steel (SS316) (2020) Journal of Green Engineering, 10 (7), pp. 4202-4215. (Scopus)
5. **Sivarajakumar Maharajan,** Thomas, M., Ravindran, D. and S. Rajakarunakaran (2023). Surface morphology studies and corrosion behaviour of plasma sprayed Cr₃C₂/8YSZ composite coating on SS316. Surface topography, 11(2), pp.025003–025003. doi:<https://doi.org/10.1088/2051-672x/acbd7>.
6. **Maharajan S.,** Ravindran D., Rajakarunakaran S., Adam Khan M., Analysis of surface properties of tungsten carbide (WC) coating over austenitic stainless steel (SS316) using plasma spray process, 2019 International Conference on Materials and Manufacturing Methods, MMM 2019, ISBN number of the proceeding: 22147853, 2019, Elsevier Ltd Materials Today: Proceedings
7. **Maharajan S.,** Ravindran D., Rajakarunakaran S., Effect of Heat Treatment on Formability of AA6082 by Single Point Incremental Forming, ISBN number of the proceeding: 25225022, 2019, Springer Nature Lecture Notes on Multidisciplinary Industrial Engineering

M.Sivagamination alias Balaji

After evaluation (Till the date of compliance report) from (2019-20)

1. Narayanan R, D., N, V., Rajkumar, S., Thangaraja, J., **Sivagaminathan M.,** Devarajan, Y., Geo Varuvel, E. Techno-economic review assessment of hydrogen utilization in processing the natural gas and biofuels (2022) International Journal of Hydrogen Energy. DOI: 10.1016/j.ijhydene.2022.09.101 (SCI with IF: 7.139)

Mr. M. Ashok Kumar

After evaluation (Till the date of compliance report) from (2019-20)

1. **Ashok Kumar M,** G. Kumaresan, M Sivagaminathan, Siva Subramanian R and C Gururaj (2023). Experimental Performance Analysis Of Free And Forced Fully Developed Air Flow Green House Solar Dryer Using Curry Leaves. E3S web of conferences, 399, pp.02008–02008. doi:<https://doi.org/10.1051/e3sconf/202339902008>.
2. **Ashok Kumar M,** G. Kumaresan, M Sivagaminathan, S Rajakarunakaran and Siva Subramanian R (2023). Performance Comparison of Tray, Bed and Integrated Drying Chamber in Closed Loop Heat Pump Dryer for Bermuda Grass. E3S web of conferences, 399, pp.06005–06005. doi:<https://doi.org/10.1051/e3sconf/202339906005>.

Valai Ganesh (2019-2020) SAR

1. T.Karthik@Siva, V.Kannan, S.Rajakarunakaran, **S.Valai Ganesh,** “Development of smart humanoid flexo grab” International Journal of Applied Engineering Research, 14 (11) 2019. (UGC Approved).

(2016-2017) – SAR

2. B Ramkumar, K Venkatesh, R Ramesh, **S.Valai Ganesh**, ”Design and Development of Pneumatic Articulated Robot For Palletizing Operations”, in International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE), ISSN: 0976-1353 Volume 24 Issue 4 – MARCH 2017.

After evaluation (Till the date of compliance report) from (2019-20)

1. N. Sankarachelliah, Kumar, V., P. Senthilram, **S. Valai Ganesh**, T. Selva Sundar, S. Godwin Barnabas and S. Rajakarunakaran (2021). Development of Self Governed Flashing System in Automotives Using AI Technique. Lecture notes in networks and systems, pp.327–332. doi:https://doi.org/10.1007/978-981-33-4543-0_35.
2. **Ganesh, S.**, Agarwal, M., Suneet Kr. Gupta and S. Rajakarunakaran (2021). Static and Dynamic Activities Prediction of Human Using Machine and Deep Learning Models. Lecture notes in networks and systems, pp.1–7. doi:https://doi.org/10.1007/978-981-33-4543-0_1.
3. Godwin Barnabas, S., **Valai Ganesh, S.**, Sivakumar, V., Muthukumar, P., Dhinesh Raja, A. and Hariharan, K. (2021). Development of medical physio device for stroke patients. Materials Today: Proceedings, 45, pp.869–873. doi:<https://doi.org/10.1016/j.matpr.2020.02.929>.

Mr. C. Gururaj

After evaluation (Till the date of compliance report) from (2019-20)

1. **Gururaj, C.**, Pitchipoo, P., Rajakarunakaran, S.vA Review of Research Outcomes on Fabrication Methods and Investigations for Evaluating Fracture Behavior of Aluminum Metal Matrix Composites with its Applications (2021) Mechanics of Advanced Composite Structures, 8 (2), pp. 347-358. (Scopus)

Mr. L. Karthikeyan

After evaluation (Till the date of compliance report) from (2019-20)

1. Vignesh, M., **Karthikeyan, L.**, Amudhan, K., Prabu Ram, G., Pitichipoo, P. Safe design and analysis of motorcycle leg guard under dynamic conditions (2020) Journal of Green Engineering, 10 (7), pp. 4244-4256. (Scopus)

Mr. G. Prabu Ram

1. **G. Prabu Ram**, K. Lingadurai and Karthikeyan, S. (2023). Influence of Deep Cryogenic Treatment on the Properties of Electroless Nickel-Phosphorous Coating. Journal of Materials Engineering and Performance, 32(24), pp.11157–11170. doi:<https://doi.org/10.1007/s11665-023-08842-0>.

Mr. M. Ashok Kumar

After evaluation (Till the date of compliance report) from (2019-20)

1. **Ashok Kumar M**, G. Kumaresan, M Sivagaminathan, Siva Subramanian R and C Gururaj (2023). Experimental Performance Analysis Of Free And Forced Fully Developed Air Flow Green House Solar Dryer Using Curry Leaves. E3S web of conferences, 399, pp.02008–02008. doi:<https://doi.org/10.1051/e3sconf/202339902008>.
2. **Ashok Kumar M**, G. Kumaresan, M Sivagaminathan, S Rajakarunakaran and Siva Subramanian R (2023). Performance Comparison of Tray, Bed and Integrated Drying Chamber in Closed Loop Heat Pump Dryer for Bermuda Grass. E3S web of conferences, 399, pp.06005–06005. doi:<https://doi.org/10.1051/e3sconf/202339906005>.

Mr. G. Prabu Ram

After evaluation (Till the date of compliance report) from (2019-20)

1. Ganesh, R., Kannapiran, K., Saranraj, R., **Praburam, G.** Optimization of Wear Behaviour on Mg-TiO₂ Nanocomposite Using Taguchi Grey Relational Analysis (2023) Mechanics of Advanced Composite Structures, 10 (1), pp. 151-156. (Scopus)

R.Arun Kumar (2018-2019) SAR

1. Ashok Babu B, Balakumaresan S, Chandra Mohan P, Mani Prabhu R, **Arun Kumar R**, “Comparative study of conventional and modified solar still with inbuilt condenser and agitation effect”, SSRG International Journal of Mechanical Engineering (SSRG-IJME)-Special Issue ICRTETM March 2019.

After evaluation (Till the date of compliance report) from (2019-20)

1. **Arun Kumar R.**, Murugavel Kulandaivelu, K. Performance comparison of solar still with inbuilt condenser and agitator over conventional solar still with energy and exergy analysis (2022) Environmental Science and Pollution Research, 29 (55), pp. 83378-83388. (SCI with IF: 5.190)
2. **Kumar, R.A.**, Vigneshwaran, K., Sivakumar, V. Energy and exergy analysis of an inbuilt condenser single basin single slope solar still with zno nano particle coating (2020) Journal of Green Engineering, 10 (7), pp. 4187-4201. (Scopus)
3. **Arun Kumar Rajasekaran** and K. Kalidasa Murugavel (2022). Performance comparison of solar still with inbuilt condenser and agitator over conventional solar still with energy and exergy analysis. Environmental Science and Pollution Research, 29(55), pp.83378–83388. doi:<https://doi.org/10.1007/s11356-022-21466-6>.
4. **Arun Kumar Rajasekaran** and Kalidasa Murugavel K Kulandiavelu (2023). Performance study on solar still with agitator, inbuilt condenser and fans using energy, exergy and economic analysis. DESALINATION AND WATER TREATMENT, 306, pp.22–32. doi:<https://doi.org/10.5004/dwt.2023.29839>.

Mr. R. Venkatesh

After evaluation (Till the date of compliance report) from (2019-20)

1. **Venkatesh, R.**, Jerold John Britto, J., Amudhan, K., Anbumalar, V., Prabhakaran, R., Thiyanesh Sakthi, R. Experimental investigation of mechanical properties on CF reinforced PLA, ABS and Nylon composite part (2022) Materials Today: Proceedings, . DOI: 10.1016/j.matpr.2022.12.091 (Scopus)
2. **Venkatesh, R.**, S. Kathiravan, Prabhakaran, R., Ramar, M., John, J. and S. Rajakarunakaran (2022). Experimental Investigation on Machinability of Additive Manufactured PLA and PETG Polymers Under Dry Turning Process. pp.553–561. doi:https://doi.org/10.1007/978-981-19-3895-5_45.
3. **Venkatesh, R.**, Prabhakaran, R., John, J., K. Amudhan and G. Karan Kumar (2022). Evaluation of Hardness, Surface Roughness, and Impact Strength of Additive Manufactured Ultraviolet Resin-Based Polymer. pp.267–274. doi:https://doi.org/10.1007/978-981-19-3895-5_21.

4. Rasu Karthick, Anbumalar Veerabathiran, M. Vigneshkumar, M. Samuel Gemsprim, **Venkatesh, R.**, Prabu Dheenathayalan and M. Selwin (2023). Influence of glass fiber hybridization on flexural and water absorption behaviour of banana fiber reinforced epoxy composites. *Materials Today: Proceedings*. doi:<https://doi.org/10.1016/j.matpr.2023.07.355>.
5. **Venkatesh R.**, Karunakaran V., Arun Shenbaga Raj A., Dhinesh Kanna R., Mohammed Safiur Rahman H., Design and structural analysis of inbuilt car jack system, 2019 International Mechanical Engineering Congress, IMEC 2019, ISBN number of the proceeding: 22147853,2019, Elsevier Ltd *Materials Today: Proceedings*.
6. **Venkatesh R.**, Vignesh Saravanan K., Aswin V.R., Balaji S., Amudhan K., Rajakarunakaran S., Detection of Cracks in Surfaces and Materials Using Convolutional Neural Network, 2nd International Conference on Mobile Radio Communications and 5G Networks, MRCN 2021, ISBN number of the proceeding: 9789811670176, 2022, Springer Science and Business Media Deutschland GmbH *Lecture Notes in Networks and Systems*

Mr. R. Prabhakaran

1. **Prabhakaran, R.**, John, J., Venkatesh, R., G. Mukesh and I. Mohamedabrar (2022). Experimental Investigation and Identifying the Suitable Process Parameters for Additively Manufactured PETG Material by Fused Deposition Modeling. pp.541–552. doi:https://doi.org/10.1007/978-981-19-3895-5_44.

Mr. M. Ramar

After evaluation (Till the date of compliance report) from (2019-20)

1. **Ramar, M.** and H. Kanagasabapathy (2023). Effect of plasma spray FeCrAl_y coating on microstructural and mechanical properties of Ni61Cr22Mo9Fe5 - ER2209 nickel based alloy fabricated using wire arc additive manufacturing process. *Journal of Alloys and Compounds*, 964, pp.171173–171173. doi:<https://doi.org/10.1016/j.jallcom.2023.171173>.
2. **Ramar, M.**, Lakshmanan, M., H. Kanagasabapathy and Shenbaga Velu P (2023). Mechanical and tribological properties of SS316L with comparison of SLM and casting methods. *Materials Today: Proceedings*. doi:<https://doi.org/10.1016/j.matpr.2023.03.333>.
3. **Ramar, M.**, H. Kanagasabapathy and S. Rajakarunakaran (2022). The Influence of Building Orientations on the Mechanical Characteristics of Selective Laser-Melting SS316L. pp.563–574. doi:https://doi.org/10.1007/978-981-19-3895-5_46.

Mr.S.Kathiravan

After evaluation (Till the date of compliance report) from (2019-20)

1. Venkatesh, R., **Kathiravan, S.**, Prabhakaran, R., Ramar, M., Jerold John Britto, J., Rajakarunakaran, S. (2023). Experimental Investigation on Machinability of Additive Manufactured PLA and PETG Polymers Under Dry Turning Process. In: Rajkumar, K., Jayamani, E., Ramkumar, P. (eds) *Recent Advances in Materials Technologies. Lecture Notes in Mechanical Engineering*. Springer, Singapore. https://doi.org/10.1007/978-981-19-3895-5_45

Dr.N.Jawahar

After evaluation (Till the date of compliance report) from (2019-20)

1. Subhaa, R., **Jawahar, N.**, Ponnambalam, S.G. An improved design for cellular manufacturing system associating scheduling decisions (2019) Sadhana - Academy Proceedings in Engineering Sciences, 44 (7), art. no. 155, . (SCI with IF: 1.214)
2. Gurusamy, N., **Jawahar N.**, Palaniappan, P.K. Parameter optimization of the CNC wire-cut edm process for machining aluminium 6063-B4C metal matrix composites (2019) Transactions of Famena, 43 (4), pp. 91-108. (SCI with IF: 0.530)
3. Balamurali, M., **Jawahar, N.**, Balaji, S., Manichandran, T. Realization of effective laser blanking process by heat zone spread resistance coating and optimization methods (2019) Materials Research Express, 6 (4), art. no. 046416, . (SCI with IF: 2.025)

S.Godwin Barnabas (2018-2019) SAR

1. **Godwin Baranbas S**, Arun Vasantha Geethan K, Prabhakaran R, “ Construction materials from the waste plastic”, Suraj Punj Journal for Multidisciplinary Research (ISSN NO: 2394-2886), 9(3) 2019.(UGC Approved).
2. **Godwin Barnabas S**, Sivakumar V, Ramprakash R, Samrooswelt Sankaranarayanan C, Vasanth MS, “ Conversion of Waste Tyre and Wood into Wood – Rub Composite materials”, Suraj Punj Journal for Multidisciplinary Research (ISSN NO: 2394-2886), 9(3) 2019. (UGC Approved).

After evaluation (Till the date of compliance report) from (2019-20)

1. **Barnabas, S.G.**, Vasanthageethan, K.A. Solid waste generation environmental issues and its recycling opportunities in Tamil Nadu (2021) Fresenius Environmental Bulletin, 30 (3), pp. 2503-2512. (SCI with IF: 0.618)
2. **Barnabas, S.G.**, Geethan, K.A.V. Analysis of material properties of recycled plastic and rubber components (2021) Fresenius Environmental Bulletin, 30 (2), pp. 1353- 1362. (SCI with IF: 0.618)
3. **Barnabas, S.G.**, Geethan, K.A.V., Ganesh, S.V., Rajakarunakaran, S., Kumar, P.S. Role of Modern Technologies and Internet of Things in the Field of Solid Waste Management (2021) International Journal of Computers, Communications and Control, 16 (5), pp. 1-12. (SCI with IF: 2.635)
4. **Barnabas, S.G.**, Geethan, K.A.V., Jabinth, J., Sundar, T.S., Ramar, S. A study on the scanning electron microscopy images of the recycled materials for maintaining the ecosystem (2020) Journal of Green Engineering, 10 (9), pp. 4520- 4529. (Scopus)
5. **Godwin Barnabas Solomon**, Sridharan Surendran, Ragul Ramesh, Valai Ganesh Sankararamasubramanian, Satish Pandian Ganapathy, Prasad Deivendran; A review on implementation of Kanban system in various process industries. AIP Conf. Proc. 20 September 2023; 2831 (1): 070001. <https://doi.org/10.1063/5.0163403>

J.Jabinth (2019-2020) SAR

1. Jabinth J., Selvakumar N., “Effect of vanadium on enhancing the mechanical and wear behavior of copper by using stir casting technique”, Materials Research Express Vol. 6 No. 9 ,2019, Impact factor : 1.449, DOI: 10.1088/2053-1591/ab2cff (Impact factor 1.449, SCI Indexed & Scopus indexed)

After evaluation (Till the date of compliance report) from (2019-20)

1. **Jabinth, J.,** Selvakumar, N. Experimental investigation of mechanical and wear behaviour of Cu-V₂O₅-Gr(L) reinforced composites (2022) Materials Letters, 306, art. no. 130925, . (SCI with IF: 3.574)
2. **Jabinth, J.,** Selvakumar, N. Enhancing the mechanical, wear behaviour of copper matrix composite with 2V-Gr as reinforcement (2021) Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 235 (7), pp. 1405- 1419. (SCI with IF: 1.818)

Google Scholar/Vidwan Link

Name of the Faculty member	Google Scholar, Vidwan ID, Scopus ID
Dr. S. Rajakarunakaran	1. Google Scholar profile Link https://scholar.google.co.in/citations?hl=en&user=nUady0EAAAAJ&view_op=list_works&sortby=pubdate 2. Scopus Profile Link - https://www.scopus.com/authid/detail.uri?authorId=16176230700
Dr. P. Sureshkumar	1. Google Scholar Profile Link: https://scholar.google.com/citations?user=T12YbPkAAAAJ&hl=en&authuser=1 2. Scopus Profile Link: 57191823539 3. Web of Science Link: ResearcherID: JTU-8497-202 4. Vidwan Profile Link: Vidwan-ID : 168558
Dr. V. Sivakumar	1. Scopus Indexed - https://www.scopus.com/authid/detail.uri?authorId=56215799200 2. Google Scholar - https://scholar.google.com/citations?user=IvpJst4AAAAJ&hl=en 3. Orcid ID - https://orcid.org/0000-0001-5836-2192
Dr. M. Lakshmanan	1. Google Scholar ID - https://scholar.google.com/citations?hl=en&user=wuLv1g4AAAAJ&view_op=list_works&sortby=pubdate 2. Vidwan-ID - https://vidwan.inflibnet.ac.in/profile/168559 3. Scopus ID - https://www.scopus.com/authid/detail.uri?authorId=57387571200
Dr. J. Jerold John Britto	1. Google Scholar Profile Link - https://scholar.google.com/citations?hl=en&user=bMLn1pUAAAAJ 2. Scopus Profile Link - https://www.scopus.com/authid/detail.uri?authorId=57222636317 3. Vidwan Profile Link - https://vidwan.inflibnet.ac.in/profile/168561 4. Web of Science - https://www.webofscience.com/wos/author/record/JUF-6708-2023 5. ORCID ID Link - https://orcid.org/my-orcid?orcid=0000-0002-0881-4987
Dr. S. Maharajan	1. Google Scholar Link -

	<p>https://scholar.google.co.in/citations?hl=en&user=r0VLMggAAAAJ&view_op=list_works&sortby=pubdate</p> <p>2. Scopus Link - https://www.scopus.com/authid/detail.uri?authorId=57218710363</p>
Mr. M. Sivagaminathan alias Balaji	<p>1. Google Scholar Link - https://scholar.google.com/citations?hl=en&user=7h6jvyEAAAAJ</p> <p>2. Orchid ID - https://orcid.org/0009-0009-3917-1804</p>
Mr. M. Ashok Kumar	<p>1. Google scholar:https://scholar.google.com/citations?user=axJ6zcQAAAAJ&hl=en</p> <p>2. Orcid ID: 0000-0003-4585-9508.</p> <p>3. Vidwan-ID : 168564</p> <p>4. Scopus profile link - https://www.scopus.com/dashboard.uri?origin=searchauthorfreelookup&zone=TopNavBar</p>
Mr. S. Valai Ganesh	<p>1. Google Scholar Profile Link- 2skXv_UAAAAJ</p> <p>2. Scopus Profile Link- 57224713923 (https://www.scopus.com/authid/detail.uri?authorId=57224713923)</p> <p>3. Web of Science Link- ACS-5433-2022 (https://www.webofscience.com/wos/author/record/ACS-5433-2022)</p> <p>4. Vidwan Profile Lin- 168566</p>
Mr. C. Gururaj	<p>1. Google Scholar -https://scholar.google.com/citations?user=VnZYajQAAAAJ&hl=en</p> <p>2. Vidwan link - https://vidwan.inflibnet.ac.in/profile/168565</p> <p>3. Orcid - https://orcid.org/0009-0002-2631-5193</p> <p>4. web of science - https://www.webofscience.com/wos/author/record/AEB-2538-2022</p> <p>5. Scopus id - 57218903212</p>
Mr. L. Karthikeyan	<p>1. Google Scholar - https://scholar.google.com/citations?user=x7tVW8wAAAAJ&hl=en</p>
Mr. G. Prabu Ram	<p>1. Google Scholar Profile Link - https://scholar.google.com/citations?user=cPDgVJEAAAAJ&hl=en</p> <p>2. Scopus Profile Link - https://www.scopus.com/authid/detail.uri?authorId=57218900672</p> <p>3. Web of Science Link - https://www.webofscience.com/wos/author/record/AAX-4865-2020</p> <p>4. Vidwan Profile Lin - https://vidwan.inflibnet.ac.in/profile/168569</p>

Mr. R. Arun Kumar	<ol style="list-style-type: none"> 1. Google Scholar Profile Link - https://scholar.google.com/citations?user=pP5K81EAAAAJ&hl=en&authuser=1 2. Scopus Profile Link - https://www.scopus.com/authid/detail.uri?authorId=57768835700 3. Web of Science Link - https://www.webofscience.com/wos/author/record/HKO-1944-2023 4. Vidwan Profile Link - https://vidwan.inflibnet.ac.in/profile/168571
Mr. R. Venkatesh	<ol style="list-style-type: none"> 1. Google Scholar Profile Link: https://scholar.google.com/citations?user=CcQ3P9sAAAAJ&hl=en 2. Scopus Profile Link: https://www.scopus.com/authid/detail.uri?authorId=57531544800 3. Web of Science Link: https://www.webofscience.com/wos/author/record/JTU-7688-2023 4. Vidwan Profile Link: https://vidwan.inflibnet.ac.in/profile/168572
Mr. R. Prabhakaran	<ol style="list-style-type: none"> 1. Google Scholar Profile Link - https://scholar.google.com/citations?user=QOW3zycAAAAJ&hl=en 2. Scopus Profile Link - https://www.scopus.com/authid/detail.uri?authorId=57192691560 3. Web of Science Link - https://www.webofscience.com/wos/author/record/JTU-7606-2023 4. Vidwan Profile Lin- https://vidwan.inflibnet.ac.in/profile/168573
Mr. M. Ramar	<ol style="list-style-type: none"> 1. Scopus Profile Link - https://www.scopus.com/authid/detail.uri?authorId=57940058700
Mr. S. Kathiravan	<ol style="list-style-type: none"> 1. Scopus Profile Link - https://www.scopus.com/authid/detail.uri?authorId=57190802364 2. Google Scholar Profile Link - https://scholar.google.com/citations?hl=en&user=LUY8qwAAAAJ&view_op=list_works&gmla=AH70aAXp3HimCCLrPZZvuY_Zr_PtkRQyt7Cj8fpxqMOx_YJME6PS25V4PDaqWh21RY7hSh_nCUjfGEGbgItLbDH7
Dr.N.Jawahar	<ol style="list-style-type: none"> 1. Google Scholar Profile Link – https://scholar.google.com/citations?hl=en&user=LVSxNloAAAAJ
Dr. S. Godwin Barnabas	<ol style="list-style-type: none"> 1. Scopus Profile Link - https://www.scopus.com/authid/detail.uri?authorId=37067046000
Dr. J. Jabinth	<ol style="list-style-type: none"> 1. Research Gate - https://www.researchgate.net/profile/Jabinth-J 2. Scopus Profile Link - https://www.scopus.com/authid/detail.uri?authorId=57210311511