**SRI VENKATESWARA COLLGE OF ENGINEERING**

**(AUTONOMOUS), SRIPERUMBUDUR**

**Office of Dean (Research)**

**List of Publication for the Academic Year 2020-2021**

**Department of Applied Chemistry (5)**

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| **S.No.** | **Name of the Faculty**  **(all co-authors)** | **Title of the paper** | **Name of the Journal**  **Vol. No, pages and IF** |
|  | J.B.Veeramalini, B.A. Brundha, S.Gowthami and **G.Baskar** | High Diffusivity Coefficient of Cyclic Voltammetric behavior of Semicarbazones and thiosemicarbazones and their antimicrobial studies | Asian Journal of Chemistry, Vol. 32, No.12, pp.3186 – 3190, 2020,  IF: 0.31. |
|  | J.B.Veeramalini, **G.Baskar**  and B.Thoimas Edison | Comparative study of the stability of edible oil by the utilization of various natural antioxidants | IOP Conf. Series: Materials Science and Engineering, Vol. 955, pp.1 – 8, 2020. |
|  | **S.Ananda Babu**,  A.L.Kavitha, R.Rajeswari  and H.Gurumallesh Prabu | Silver Particles coating on Polypropylene matrix for Bacterial filter property | Journal of Thin Films, Coating Science Technology & Application, Vol.7, No.3, pp.16 – 25, 2020. |
|  | A.Nachiappan  **S.Ananda Babu** | The effect of spice on the amount of salt added in food | International Journal of Latest Trends in Engineering&Technology, Vol.17, No.4, pp.1 – 4, IF: 0.6, 2020. |
|  | **M.Thirumalaikumar** | Green Corrosion Inhibitors in various Corroding Medium | Bulgarian Chemical Communications – in press IF: 0.35. |

**Department of Automobile Engineering (6)**

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| **S.No.** | **Name of the Faculty**  **(all co-authors)** | **Title of the paper** | **Name of the Journal**  **Vol. No, pages and IF** |
| 1. | N. Rajamurugu, J. **Venkatesan**  D. Balaji, D.S. Ravishankar. | Experimental and computational Studies on Performance of a Solar Chimney Power Plant with Semi-Convergent Collector and Divergent Chimney, | C. R. Acad. Bulg. Sci., Engineering Sciences Energy Resources Vol. 73, No. 11, If: 0.80, 2020. |
| 2. | **J. Venkatesan**,  C. Dhanesh, T. Anand. | Analysis of Bronze Hybrid Composite for Spark Ignition Engine Piston. | FME Transactions Vol.48, 962-967, 2020. |
| 3. | **S.Premnath**, S.Sudharsan  A V J Nithishvardan. | Secondary tire inflation system for blown out tire. | IOP Conf. Ser.: Mater. Sci. Eng. 923 012005, 2020. |
| 4. | **S. Premnath,** [R. Sakthivel](https://aip.scitation.org/author/Sakthivel%2C+R),  R. Rajasekar**,** S.Lakshmi Sankar. | Combined effects of water emulsion and CH3NO2 (nitromethane) additive on combustion performance and emissions characteristics of a single-cylinder diesel engine using neem and cotton seed oil as biodiesel blends. | AIP Conference Proceedings 2283, 020039 2020. |
| 5. | **G.Ravi**  Saravanan Subramani. | Application of MRSN ratio and Taguchi parametric design in optimization of parameters of DI CI engine fuelled with diesel-biodiesel-higher alcohol Blends. | Fuel 285, 119116, 2021. |
| 6. | **G.Ravi**  Saravanan subramani. | Numerical optimization of design and fuel factors and development of a statistical model for the emission control of DI CI engine. | Fuel 281, 118656, 2020. |

**Department of Applied Mathematics (33)**

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| **S.No.** | **Name of the Faculty**  **(all co-authors)** | **Title of the paper** | **Name of the Journal**  **Vol. No, pages and IF** |
| 1. | [A.Selvaraj,](https://www.sciencedirect.com/science/article/pii/S2214785320402160?via%3Dihub" \l "!) [S. Dilip Jose,](https://www.sciencedirect.com/science/article/pii/S2214785320402160?via%3Dihub#!) [**R.Muthucumaraswamy**](https://www.sciencedirect.com/science/article/pii/S2214785320402160?via%3Dihub#!), [S.Karthikeyan](https://www.sciencedirect.com/science/article/pii/S2214785320402160?via%3Dihub#!). | MHD-parabolic flow past an accelerated isothermal vertical plate with heat and mass diffusion in the presence of rotation | Materials Today: Proceedings. |
| 2. | V. D. Kumaar,  **R. Muthucumaraswamy**,  L. Manjula | Hall Effect Unsteady Flow Past An Isothermal Vertical Plate In A Rotating Fluid With Variable Mass Diffusion In The Presence Of Chemical Reaction Of First Order | Advances in Mathematics: Scientific Journal **9** (2020), no.5, 2749–2759 |
| 3. | L. Manjula,  **R. Muthucumaraswamy** | Transient Hydromagnetic Studies Of Rotating Fluid On An Infinite Vertical Plate With First Order Chemical Reaction Thermal Radiation And Hall Effect | Advances in Mathematics: Scientific Journal **9** (2020), no.5, 2761–2772 |
| 4. | L. Manjula,  **R. Muthucumaraswamy** | Hall current and radiation effect with mass diffusion on transient rotating MHD flow | Malaya Journal of Matematik, Vol. 8, No. 4, 1434-1438, 2020 |
| 5. | S. Udayabaskaran, **B Thilaka**,  Janaki Sivasankaran. | Optimal Promotion Policies In Hierarchical Grade Structures | Test Engineering and Management, Vol. 83, pp. 3967-3971. |
| 6. | **B Thilaka**, B.Poorani. | Steady state performance measures of an M/M/1 queue with single working vacation subject to catastrophe | International Journal of Advanced Science and Technology, Vol. 29, No. 5s, pp. 173-182, 2020. |
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| 8. | J. Ravikumar,  **A.R. Vijayalakshmi,**  R. Venkatraman and  S. Thalapathiraj. | Analysis of skin friction effects on rotating fluid past a vertical plate with variable temperature and mass diffusion | AIP Conference Proceedings 2282, 020036, 2020. |
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| 10. | **M. Radhakrishnan,**  G. Palani. | Effects of Mass Transfer on Varying Viscosity and Thermal Diffusivity over a Vertical Plate with Applied Magnetic Field and Heat Flux | Solid State Technology, Vol.63, No. 5, 2020. |
| 11. | K. Pattabiraman**,**  **G. Satheesh Kumar.** | Forgotten Topological Invariant of Some New Structures | AIP Conference Proceedings 2177, 020062, 2019. |
| 12. | K. Pattabiraman, A.Santhakumar,  **G. Satheeshkumar.** | Degree based descriptors of certain classes of dendrimer graphs. | Materials Today: Proceedings. |
| 13. | **S. Prabhu**, G. Murugan, Micheal Arockiaraj,M. Arulperumjothi, V. Manimozhi. | Molecular topological characterization of three classes of polycyclic aromatic hydrocarbons. | Journal of Molecular Structure, [Vol. 1229](https://www.sciencedirect.com/science/journal/00222860/1229/supp/C), 129501, IF: 2.463, 2021. |
| 14. | K. Julietraja, P. Venugopal, **S. Prabhu**, A.K. Arulmozhi,  M.K. Siddiqui. | Structural Analysis of Three Types of PAHs using Entropy Measures | Polycyclic Aromatic Compounds IF: 1.894, 2021. |
| 15 | K. Julietraja, P. Venugopal,  **S. Prabhu**, S. Deepa,  M.K. Siddiqui. | Molecular Structural Descriptors of Donut Benzenoid Systems. | Polycyclic Aromatic Compounds IF: 1.894, 2021. |
| 16 | Michael Cary, Jonathan Cary, **S. Prabhu** | Independent domination in directed graphs | Communications in Combinatorics and Optimization, Vol. 6 No. 1, 2021 pp.67-80. |
| 17 | Micheal Arockiaraj,  Jia-Bao Liu,  M. Arulperumjothi, **S. Prabhu.** | On Certain Topological Indices of Three Layered Single-Walled Titania Nanosheets. | Combinatorial Chemistry & High Throughput Screening, I.F: 1.195, 2020. |
| 18 | Lin Zhang, Tian-Le Sun, Micheal Arockiaraj,  M. Arulperumjothi, **S. Prabhu.** | On Wiener polarity indices Sierpinski and Silicae frameworks. | Mathematical Problems in Engineering, I.F: 1.009, 2020. |
| 19 | Zhen Yang, Micheal Arockiaraj, **S. Prabhu**, M. Arulperumjothi, Jia-Bao Liu. | Second Zagreb and Sigma indices of semi and total transformations of graphs. | Complexity, Accepted. IF: 2.462, 2020. |
| 20 | Jia-Bao Liu, M. Arockiaraj, M. Arulperumjothi, **S. Prabhu.** | Distance Based and Bond Additive Topological Indices of Certain Repurposed Antiviral Drug Compounds Tested for Treating COVID-19 | International Journal of Quantum Chemistry, I.F: 1.747. |
| 21 | M. Arockiaraj, **S. Prabhu**,  M. Arulperumjothi, S.R.J. Kavitha, K. Balasubramanian. | Topological Characterization of Hexagonal and Rectangular Tessellations of Kekulenes as Traps for Toxic Heavy Metal Ions. | Theoretical Chemistry Accounts, Accepted I.F: 1.498. |
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| 24 | **S Prabhu**, S Deepa,  G Murugan,  M Arulperumjothi. | [On Total Domination Number of Hypercube and Enhanced Hypercube Networks](https://link.springer.com/chapter/10.1007/978-981-15-8677-4_30). | Sustainable Communication Networks and Application Vol. 55, pp. 363-371. |
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| 26 | **S. Prabhu**, G. Murugan,  Jia-Bao Liu, M. Arulperumjothi and Sunilkumar Hosamani. | On the Sanskruti Index of Certain Silicate and its derived structures | [Advances in Electrical and Computer Technologies](https://link.springer.com/book/10.1007/978-981-15-9019-1), Vol. 711, pp 991-1006. |
| 27 | **S. Prabhu**, D. Meiyappan,  P. Yakkana Rajasankar,  G. Murugan | Bond Additive Molecular Descriptors of C4C8(S) and C4C8(R) Nanostructures | Journal of Information and Computational Science, Vol. 11 No. 3 – 2021, 87-97. |
| 28 | **S. Prabhu**, D. Meiyappan  G. Murugan | Bond Additive Molecular Descriptors of H-naphtalenic Nanostructures | Journal of Information and Computational Science, Vol. 11 No. 3 – 2021, 108-117. |
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| 30 | **S. Prabhu**, S. Sai Kumari  K. Sudhakar, G. Murugan | On Certain Topological Indices of Gold crystal | Materials Today: Proceedings |
| 31 | **R. Suresh,**  A. Manivannan | Robust Stability Analysis of Delayed Stochastic Neural Networks via Wirtinger-Based Integral Inequality. | Neural Computation Vol. 33, pp. 227–243, 2021. |
| 32 | P. Hammachukiattikul,  B. Unyong, **R. Suresh**,  G. Rajchakit, R. Vadivel,  N. Gunasekaran, C.P. Lim. | Runge-Kutta Fehlberg Method for Solving Linear and Nonlinear Fuzzy Fredholm Integro-Differential Equations. | Appl. Math. Inf. Sci.  Vol.15, No.1, pp.43-51, 2021. |
| 33 | M. Syed Ali and **R. Suresh** | Global exponential stability of memristor based uncertain neural networks with time-varying delays via Lagrange sense | Journal of Experimental & Theoretical Artificial Intelligence |

**Department of Applied Physics (1)**

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| **S.No.** | **Name of the Faculty**  **(all co-authors)** | **Title of the paper** | **Name of the Journal**  **Vol. No, pages and IF** |
| 1. | B.R.Rajaraman,  **N.R.Sheela**, S.Muthu. | Quantum Chemical, Vibrational Spectroscopic amd Molecular Docking Studies of 1- (diphenylmethyl) piperazine. | Polycylic Aromatic Compounds, Online Journal page 1-22, 2020. |

**Department of Biotechnology (24)**

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| 1 | Viveka R, Sunita V and **Nakkeeran E** | Valorization of Cassava waste for pullulan production b Aureobasidium pullulans MTCC 1991 | Energy and Environment, 1-17, IF: 1.35, 2020. |
| 2 | **Nakkeeran E**, Sunita Varjani, Sumi Goswami, Urvashi Singh, Tanisha Kapoor | Chitosan-Based Silver Nanocomposite for Hexavalent-Chromium Removal from Tannery Industry Effluent Using a Packed-Bed Reactor | Journal of Environmental Engineering, 146(6): 04020032, IF: 1.59, 2020. |
| 3 | Lakshmi S, Suvedha K, Sruthi R, Lavanya J, sunita V **, Nakkeeran E** | Hexavalent chromium sequestration from electronic waste by biomass of Aspergillus carbonarius | Bioengineered, 11: 1, 708-717, IF: 2.205, 2020. |
| 4 | Bishwambhar Mishra, Sunita Varjani, Ipshita Pradhan, **Nakkeeran E**, Jose A Teixeira, Huu Hao Ngo, Wenshan Guo | Insights into interdisciplinary approaches for bioremediation of organic pollutants: innovations, challenges and perspectives | Proceedings of the National Academy of Sciences, India Section B: Biological Sciences, 90:951-958, Chapter 6, Vol.1, pp. 73-96, 2020. |
| 5 | Kalaiselvi A, Janani M, Rajuberan C, **Nakkeeran E,** Mohana roopan S | Synthesis, characterization of Turmeric oil loaded Non-ionic surfactant vesicles (Niosomes) and its enhanced larvicidal activity against Mosquito vectors | Biocatalysis and Agricultural Biotechnology, 2020:29: 101737, IF: 0.506. |
| 6 | Akash Kumaran,  **Prabhu S.** | Antiurolithiactic Evaluation of alpha mangostin fraction Isolated from Garcinia Mangostana Pericarp through Compuational, invitro and invivo approach. | Journal of Pharmaceutical Research International, 32 (44); 63-78; 2020. |
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| 8 | A Binu Parvathy,  R Ashok Kumar,  V Sandhya and **S Prabhu** | Potential Effect of Zinc Oxide Nanoparticle as a Natural Antibiotic Drug against Bacterial species. | Plant Cell Biotechnology and Molecular Biology, 21 (39 &40), 156-168, 2020. |
| 9 | Akash Kumaran,  **Prabhu S.** | In silico and in vitro analysis of anti-urolithiatic activity of Garcinone E isolated from Garcinia mangostana pericarp extract. | Plant Cell Biotechnology and Molecular Biology, 21 (37 &38), PP: 121-135, 2020. |
| 10 | **Pandi Prabha S,**Karthik C, ShanmugaPriya G | Evaluation of protective effect of aquatic weed Hydrilla verticillata against lead induced acute liver toxicity in fish. | International Journal of Pharmaceutical Sciences and Research 12(1): 183-187, 2021. |
| 11 | **Pandi Prabha S,**Sadhana S, Karthik C, Caroline D G. | In vitro evaluation of Hydrilla verticillata for anti adipogenesis activity on 3T3 L1 cell lines. | Pharmacognosy Magazine  16 (5): 498-505 IF: 1.31, 2020. |
| 12 | **Pandi Prabha S,** Johanna Rajkumar,Karthik C. | Hepatotoxic effect of lead and hepatoprotective effect of Hydrilla verticillata on hepatic transcriptional and physiological response in edible fish Labeo rohita. | Drug and Chemical Toxicology, IF: 2.405, 2020. |
| 13 | Karthik C, Caroline D G, Dhanam Priya M,.  **Pandi Prabha S** | Synthesis, Characterization of Ag-SiO2Nanocomposite and Its Application in Food Packaging. | Journal of Inorganic and Organometallic Polymers and Materials, IF: 1.941, 2021. |
| 14 | **Praveen Kumar P.K**, Sekar Subasree, Udhayachadran Arthi, Mobashir Imam, Chirag Gowda, Prasanna D Revanasiddappa. | T-cell epitope-based vaccine design against Nipah virus by Reverse Vaccinology approach. | Combinatorial Chemistry and High throughput Screening, 23, No.8, pp.788-796, IF: 1.2, 2020. |
| 15 | **Praveen Kumar P.K,** M.Izhari, S. Mustafa, M.Hossein Nasirpour, M. Mehmankhah, M. Mobashir. | In-silico study reveals immunological signaling pathways, their genes and potential herbal drug targets in ovarian cancer. | Informatics in Medicine Unlocked, Vol.20, No.100422, 1-8, 2020. |
| 16 | Ramyasree B, Onkara P and **Divakar K.** | Microbial nitroreductases: A versatile tool for biomedical and environmental applications. | Biotechnology and Applied Biochemistry, IF: 1.2, 2020. |
| 17 | **Hariharan Jayaraman**, Nalinkanth V, Ghone\*,  Ranjith Kumaran R and  Himanshu Dashora. | The Role of Cytokines in Interactions of Mesenchymal Stem Cells and Breast Cancer Cells. | Current Stem Cell Research & Therapy, 15:1. IF: 2.614, 2020. |
| 18 | **Senthil Nagappan**, R.Bhosale, D.D. Nguyen, A. Pugazendhi, P.-C. Tsai, S.W. Chang, et al. | [Nitrogen-fixing cyanobacteria as a potential resource for efficient biodiesel production](https://www.sciencedirect.com/science/article/pii/S0016236120314368). | Fuel, 279: 118440, IF: 5.5. |
| 19 | A. Pugazhendhi, **Senthil Nagappan**, R. Bhosale, P.-C. Tsai, S. Natarajan, S.Devendran, L.A. Haj, V. Kumar et al. | [Various potential techniques to reduce the water footprint of microalgal biomass production for biofuel—A review](https://www.sciencedirect.com/science/article/pii/S0048969720357478). | Science of The Total Environment, 142218 IF: 6.6, 2020. |
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| 22 | C.Vigneshwaran, **K.Vasantharaj**, N.Krishnanand. V.Sivasubramanian. | Production optimization, purification and characterization of lipopeptide biosurfactant obtained from Brevibacillus sp. AVN13. | Journal of Environmental Chemical Engineering, 9, 104867, IF: 4.3. |
| 23 | **Guruviah Karthigadevi** , S. Manikandan, N. Karmegam , R. Subbaiya, et al. | Chemico-nano treatment methods for the removal of persistent organic  pollutants and xenobiotics in water – A review. | Bio resource Technology, Vol.324, 124678, IF: 7.5, 2021. |
| 24. | S. Sivagami, **R. Rathna**, S. Nagavignesh,  Nalinkanth V. Ghone  M. Sivanandham | In silico binding analysis of human CD40 ligand mimetic molecule,3-(dimethylamino) -1-phenyl-1-propanone hydrochloride (3-DPH), with CD40 receptor molecules of various mammalian species | Journal of Environmental Biology, February 2021  **(In press).** (IF-0.781) |

**Department of Civil Engineering (2)**

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| **S.No.** | **Name of the Faculty**  **(all co-authors)** | **Title of the paper** | **Name of the Journal**  **Vol. No, pages and IF** |
| **1.** | **Kumutha Rathinam**, Vijay Kanagarajan and Sara Banu. | Evaluating of protective coatings for geopolymer mortar under aggressive environment. | Advance in Materials Research, vol.9, No.3, pp: 219-231, IF: 0.81, 2020. |
| **2.** | **Sathia Ramalingam**, Vijayalakshmi Ramalingam, R. Srinivas, V. Gopinath, Yuvarani Ramana reddy Y. R. Reddy. | Uni axial compression behavior of lightweight expanded clay aggregate concrete cylinders confined by perforate steel tube and GFRP wrapping. | Reista De La construction, vol.19, No.3, pp.200-212, IF: 0.42, 2020. |

**Department of Chemical Engineering (10)**

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| **1** | Vishal B, Suganya B,  **Palani R**, Swaminathan D, Parthiban R | Effect of critical operational parameters of a biofilm-based bio-filter reactor in enhancing the surface elimination capacity of toluene. | Tierärztliche Praxispp 2182-2195, 40, 2020 |
| **2** | Karthick S, Sumisha A,  Haribabu K, **Palani R** | Simultaneous power generation and Congo red dye degradation in double chamber microbial fuel cell using spent carbon electrodes | Energy Sources, Part A: 1-17, 2020. <https://doi.org/10.1080/>  15567036.2020.1781978 |
| **3** | **R. Govindarasu,** R. Kavitha, M. Nambiraj, R. Praveen Kumaar, N. N. Harish Kumar | Analysis on Geometry of Fluid Flow Manifold in Direct Methanol Fuel Cell | European Journal of Engg. Research and Science, 822-827, 5(8), 2020. |
| **4** | **Govindarasu R,**  Praveen Kumaar R,  Meyyappan N | Generation of energy from salinity gradients using capacitive reverse electro dialysis: a review | Environ Sci Pollut Res. 2021. [https://doi.org/ 10.1007/s11356-020-12188-8](https://doi.org/%2010.1007/s11356-020-12188-8), IF: **3.306** |
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| **7** | Tanushree Paul, **Divya Baskaran**, Kannan P, G. Pugazhenthi, [Ravi R](https://www.sciencedirect.com/science/article/abs/pii/S2352186420316266#!) | Bio-oil production by hydrothermal liquefaction of *Rhodococcus opacus* biomass utilizing refinery wastewater: Biomass valorization and process optimization | [Environmental Technology & Innovation](https://www.sciencedirect.com/science/journal/23521864) 21, February, 2021, 101326 (IF: **3.356**) |
| **8** | Moumita N; Tanushree P; Dipak Kumar K; **Divya Baskaran**; Kannan P; G. Pugazhenthi | Biodegradation of benzyl butyl phthalate and di-butyl phthalate by *Arthrobacter sp.* via micellar solubilization in a surfactant-aided system | Water Supply, 20(8), 1 December 2020. (**IF: 0.900**) |
| **9** | Tanushree Paul, **Divya Baskaran**, Kannan P, G. Pugazhenthi | Valorization of refinery wastewater for lipid-rich biomass production by *Rhodococcus opacus* in batch system: A kinetic approach | Biomass and Bioenergy 143, 105867, December 2020. IF: 3.551 |
| **10** | Karthikeyan M, Nacchiappan A, **Sudha G,** Meyyappan N. | Extraction and comparision of polyphenols in Allium Fistulosum, cynodon dactylon and hibiscus sabdarifa using different methods of extraction. | International journal of latest trends in Engg and technology,1-8,18(1), 2020. |
| **11** | **Nalinkanth V. Ghone**, Hariharan J, Ranjith Kumaran R, Himanshu Dashora | The Role of Cytokines in Interactions of Mesenchymal Stem Cells and Breast Cancer Cells. | Current Stem Cell Research & Therapy, 2021,16. (IF-2.614)  (DOI-0.2174/1574888X  15666201022111942) |

**Department of Computer Science and Engineering (24)**

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| **S.No.** | **Name of the Faculty**  **(all co-authors)** | **Title of the paper** | **Name of the Journal**  **Vol. No, pages and IF** |
| 1 | Y.Mohamed Sirajudeen, **R.Anitha** | Matrix-Based Data Security in Cloud Computing Using  Advanced Cramer-Shoup Cryptosystem. | Emerging Technologies in Data Mining and Information Security, Vol. 755, pp. 271-282, 2021. |
| 2 | Y.Mohamed Sirajudeen,  C.Muralidharan,  **R.Anitha** | Efficient Deduplication on Cloud Environment Using Bloom Filter  and IND-CCA2 Secured Cramer Shoup Cryptosystem. | Lecture Notes on Data Engineering and Communications Technologies, Vol. 38, pp. 714-723,2020 |
| 3 | C.Muralidharan,  **R.Anitha** | Risk analysis of cloud service providers by analyzing the  frequency of occurrence of problems using E-Eclat algorithm. | Wireless Networks, Springer, 2019. <https://doi.org/10.1007/s11276-019-02191-4> |
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**Departmen of Marine Engineering (1)**

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| --- | --- | --- | --- |
| **S.No.** | **Name of the Faculty**  **(all co-authors)** | **Title of the paper** | **Name of the Journal**  **Vol. No, pages and IF** |
| 1. | D.T. Sarathchandra,  M.J. Davidson,  **Gurusamy Visvanathan** | Parameters effect on SS304 beads deposited by wire arc additive manufacturing | Materials And Manufacturing Processes, Vol.35, No.7, Pp.852–858, 2020. |

**Summary of Publication of Research Papers (Academic Year 2020-2021)**

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| --- | --- | --- |
| **S. No.** | **Dept.** | **No. of Papers** |
| 1 | APC | 5 |
| 2 | AUT | 4 |
| 3 | APM | 33 |
| 4 | APH | 1 |
| 5 | BIO | 24 |
| 6 | CIV | 2 |
| 7 | CHE | 10 |
| 8 | CSE | 24 |
| 9 | ECE | 26 |
| 10 | EEE | 30 |
| 11 | HSS | 3 |
| 12 | INT | 12 |
| 13 | MEC | 33 |
| 14 | MAR | 1 |
| Total | | **208** |