**SRI VENKATESWARA COLLGE OF ENGINEERING**

**List of Publication for the AY 2019-2020 submitted to the Office of Dean (Research)**

**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** |
| 1 | R.Priya, **S. Stanly**, S. Sagadevan | Evaluation of photocatalytic activity of copper ferrite nanoparticles | Materials Research Express, Vol.6, pp.1-7, 2019**Impact Factor : 1.49** |
| 2 | R.Priya, **S.Stanly**, R.Anuradha, S.Sagadevan, L.Muthikrishnan | A waste to worth approach in preparing ferric vanadate nanoparticles using peel extract for photocatalytic dye degradation induced by UV light | Optik – International Journal for Light and Electron Optics,Vol.194, pp.1-6, 2019**Impact Factor : 1.914** |
| 3 | T.Adinaveen, K.Thenmozhi, **S.Stanly** | Photocatalytic andoptical properties of NiO added *Nephelium lappaceum L.* peel extract: an attempt to convert waste to a valuable ptoduct | Heliyon, Vol.5, pp.1-7,2019**Impact Factor : 1.65** |
| 4 | N.Sheeja, **G.Baskar** | Synthesis and qualitative evaluation of spectral and irreversible reduction wave of N-hydroxy-3,5-disubstituted-2,6-diarylpiperidin-4-one compounds and the antimicrobial study of the products | Caribbean Journal of Science, Vol.53, pp.2165-2187, 2019**Impact Factor : 0.5** |
|  5 | H.Revathi, **M.Thirumalaikuma**, S.Sampathkrishnan, C.Charanya, N.Balamurugan | Quantum chemical vibrational study, FT IR and FT Raman spectra of 1,3-diphenyl propenone | Spectroscopy and Spectral Analysis, Vol.39, No.12, pp.3932-3937, 2019**Impact Factor : 0.5** |

**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 and **J. Venkatesan** | Computational and Experimental Investigation of a Small Scaled Solar Chimney Power Plant | Caribbean Journal of Science, Vol. 53, No.2, pp. 834-841,  |
| 2 | **Venkatesan. J**, Anitha. R and Sakthivel. E | Cloud Assisted Auto Lane Recommender System using Object Detection Methodology | International Journal of Emerging Trends and Advanced Engg., Vol. 6, No.5, pp. 113-121 |
| 3 | N. Tamiloli, **J. Venkatesan,** G. Murali, Shyam Prasad Kodali, T. Sampath Kumar and M. P. Arunkumar | Optimization of end milling on Al–SiC‑fly ash metal matrix composite using Topsis and fuzzy logic | SN Applied Sciences (Springer), Vol. 1-1204. |
| 4 | N. Rajamurugu and **J. Venkatesan,** Balaji Dhanapal and J. Anbarasi | Experimental and Computational Flow Analysis of Geometrically Modified Solar Chimney Power Plant | Journal of the Balkan Tribological Association - Computer Simulations, Vol. 26, No.1, pp. 57-68. |
|  5 | Thiruselvam Krishnamoorthi & **Ganesh** **.V** | Performance and emission characteristicsanalysis of thermal barrier coated diesel engine using palm biodiesel | Environmental Science and Pollution Research, Vol.26,No.11,Apr.2019. |
| 6. | **A K Boobalasenthilraj**,C Raj kishore, B Yoneshwar,KVishnu  | Automated Manual Transmission for two wheeler | International Journal of Mechanical and ProductionEngineering Research and Development, Vol. 9, No.6, pp. 421–432, Dec 2019.**Impact Factor : 8.8746** |

**Department of Applied Mathematics (21)**

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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 | J. Venkatesan,**R.Muthucumaraswamy** | Effects of Chemical reaction on flow past a parabolic started vertical plate with uniform heat flux and variable mass diffusion | Tierärztliche Praxis,Vol. 39 (10) pp. 73-85, 2019. |
| 2 | J. Venkatesan,**R.Muthucumaraswamy** | First order chemical reaction on flow past a parabolic started vertical plate with uniform heat flux and mass diffusion | Tierärztliche Praxis,Vol. 39(11) pp. 94-105, 2019. |
| 3 | P. Sivakumar,**R.Muthucumaraswamy** | Skin-Friction and rate of heat and mass transfer effects on MHD flow past a parabolic flow past an infinite isothermal vertical plate in the presence of thermal radiation and chemical reaction | International journal of arts and humanities and social studies,Vol. 1(1) pp. 13-20, 2019. |
| 4 | B. Prabhakar Reddy, **R. Muthucumaraswamy** | Effects of thermal radiation on MHD chemically reactive flow past an oscillating vertical porous plate with variable surface conditions and viscous dissipation | i-manager’s Journal on Future Engineering & Technology, vol. 15 · no. 2 pp. 8-18, 2020.  |
| 5 | **B. Thilaka**B. PooraniS. Udayabaskaran | Performance Analysis of an M/M/1 Queue with Close Down Periods, Server under Maintenance Subject to Catastrophe | Appl. Math. Inf. Sci. 13, No. S1, 325-335 (2019). |
| 6 | **S. Prabhu**, G. Murugan, Michael Cary, M. Arulperumjothi, and Jia-Bao Liu | On Certain Distance and Degree Based Topological Indices ofZeolite LTA Frameworks | Materials Research Express In Press 2020**Impact Factor : 1.49** |
| 7 | **S. Prabhu**, Y. Sherlin Nisha, Michael CaryM. Arulperumjothi, Xuli Qi | On Detour Index of Join ofHamilton-connected Graphs | ARS COMBINATORIAIn Press 2020. |
| 8 | **S. Prabhu**, andY. Sherlin Nisha | Identification of Certain Molecular descriptors of [𝒑,] nanosheet, [𝒑, 𝒒] nanotube and 𝑻[𝒑, 𝒒] nanotori using Combinatorial Computation. | Tierärztliche PraxisISSN: 0303-6286Vol 39, Issue 11, 259-272, 2019. |
| 9 | N. Ramalingam,S. Karthikeyan,V. Swaminathan,**S. Prabhu** | Degree equal domination in graph | Tierärztliche Praxis,Vol 39 Issue 10, 1-10, 2019. |
| 10 | **S. Prabhu**,D. Sagayarani Jeba andT. Flora | Independent Resolving Set of Supersubdivision of Graphs | Journal of Information and Computational Science, Volume 10 Issue 3 -493-499, 2020. |
| 11 | **S. Prabhu**,K.S. Sudhakhar andG. Murugan | On Adriatic indices of Chain Silicate | Journal of Information and Computational Science, Volume 10 Issue 2, 612-620, 2020. |
| 12 | **S. Prabhu**,D. Meiyappan,G. Murugan | On Certain Degree Based Topological Indices of Pyrene | Journal of Information and Computational Science, Volume 10 Issue 1, 1376-1380, 2020. |
| 13 | **S. Prabhu**, V. Manimozhi and A.K. Arulmozhi | On Independent Resolving set in Octahedral Structures | Journal of Information and Computational Science, Volume 10 Issue 3, 484-492, 2020. |
| 14 | **S. Prabhu**, andS. Deepa | Total Domination of uniform Theta graph | Journal of Information and Comp. Sci., Volume 10 Issue 2,1-5, 2020. |
| 15 | **S. Prabhu**,A.K. Arulmozhi,M. Arulperumjothi | Power Domination Number of Certain Octahedral Structures | Journal of Xi’an University of Architecture & Technology, Vol. 12 (2) 2020, 1-7, 2020. |
| 16 | **S. Prabhu**,G. Murugan,M. Arulperumjothi | On the edge version of Titanium dioxide nanosheet and nanotube | Nanoscience & Nanotechnology Asia,In Press, 2020. |
| 17 | **S. Prabhu**,K. S. Sudhakhar and G. Murugan | On Adriatic indices of Oxide networks | Journal of Xidian University, In Press |
| 18 | **S. Prabhu**,D. Meiyappan andG. Murugan | On Adriatic Indices of Certain Nanostructures Using Combinatorial Computation | Journal of Xidian University, In Presss |
| 19 | **S. Prabhu**,D. Meiyappan andG. Murugan | On Adriatic indices of Silicate networks | Journal of Xidian University, In Press |
| 20 | **M. Radhakrishnan,**R.Muthucumaraswamy | **[Hydromagnetic Effects On Flow Past An Accelerated Isothermal Vertical Plate With Variable Mass Diffusion In The Presence Of Chemical Reaction Of First Order](http://www.j-asc.com/gallery/268-april-2536.pdf%22%20%5Ct%20%22_blank)** | Journal of Applied Science and Computations, Vol. 6(4) pp. 2003- 2013, 2019 |
| 21 | K. Pattabiraman **, G. Satheesh Kumar** | Forgotten Topological Invariant of Some New Structures | AIP Conference Proc. 2177, 020062 (2019) |

**Department of Applied Physics (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** |
| 1 | C. Chranya,**S. Sampathkrishnan**, N. Balamurugan | Quantum Chemical Computations, Molecular Docking, Vibrational Spectroscopic Analysis, Non-Linear Optical Properties and DFT Calculation of 2-[(2,3- Dimethylphenyl) Amino]Benzoic Acid | Polycyclic Aromatic CompoundsDec 2019Impact Factor 1.237 |
| 2 | C. Chranya,**S. Sampathkrishnan,** N. Balamurugan | Quantum Chemical Studies, Spectroscopic Analysis and Molecular Structure Investigation of 4-Chloro-2-[(Furan-2-Ylmethyl)Amino]-5-Sulfamoylbenzoic acid | Macedonian Journal of Chemistry and Chemical EngineeringVol. 38, No. 2, 2019Impact Factor 0.657 |
| 3 | Rubarani. P.Gangadharan **S.Sampath Krishnan** andM. Thirumalaikumar | Quantum chemical and Corrosion Inhibition studies of ( 4- Chlorophenyl)-N-(4-Methylphenl) Nitrone | 1. Spectroscopy and Spectral Analysis Vol.39, No.12, pp. 3940-3945,2019
2. Impact Factor 0.608
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| 4 | BR. Raajaraman , **N.R. Sheela** , S. Muthu  | Influence of acetyl, hydroxy and methyl functional groups on 2- phenylbutanoic acid by quantum computational, spectroscopic and ligand-protein docking studies | 1. Journal of Molecular Structure Vol 1188 (2019) pp.99-109
2. Impact factor 1.25
 |
|  5 | BR Raajaramana , **N.R. Sheela** , S. Muthu | Spectroscopic, quantum computational and molecular docking studies on 1-phenylcyclopentane carboxylic acid | 1. Computational Biology and Chemistry vol . 82 (2019) 44-56
2. Impact factor .331
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**Department of Biotechnology (8)**

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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 | Viveka R, Sunita V, **Nakkeeran E** | Valorization of cassava waste for pullulan production by *Aureobasidium pullulans* MTCC 1991 | Energy & Environment, pp. 1-17, 2020**Impact Factor : 1.092** |
| 2 | Rathna R and **Nakkeeran E\*** | Performance of High Molecular Weight Osmotic Solution for *Opuntia* Betacyanin Concentration by Forward Osmosis | Current Biotechnology, Vol. 8, pp. 116-126, 2019 |
| 3 | **Pandi Prabha, S**, Karthik, C, Hema Chandrika, S H, | Phytol–A biosurfactant from the aquatic weed *Hydrilla verticillata* | Biocatalysis and Agricultural Biotechnology, vol. 17, pp. 736-742 |
| 4 | Karthik, C, Swathi N, **Pandi Prabha S**, Caroline D G | Green synthesized rGO-AgNP hybrid nanocomposite - an effective antibacterial adsorbent for photocatalytic removal of DB-14 dye from aqueous solution | Journal of Environmental Chemical Engineering, 2020, 8(1): 103577-1-10  |
| 5 | **Senthil Nagappan,** Saravanan Devendran, Pei-Chien Tsai, Selvapriya Dinakaran, Hans-Uwe Dahms, Vinoth Kumar Ponnusamy | [Passive cell disruption lipid extraction methods of microalgae for biofuel production–a review](https://www.sciencedirect.com/science/article/pii/S0016236119306581) | Fuel., Vol. 252, September 2019 PP:699-709 **Impact factor: 5.1** |
| 6 | **Senthil Nagappan,** Saravanan Devendran, Pei-Chien Tsai, Hans-Uwe Dahms, Vinoth Kumar Ponnusamy | [Potential of two-stage cultivation in microalgae biofuel production](https://www.sciencedirect.com/science/article/pii/S0016236119307033) | Fuel., Vol. 252, September 2019 PP: 339-349 **Impact factor: 5.1** |
| 7 | **Senthil Nagappan**, Pei-Chien Tsai, Saravanan Devendran, Vardhini Alagarsamy, Vinoth Kumar Ponnusamy | [Enhancement of biofuel production by microalgae using cement flue gas as substrate](https://link.springer.com/article/10.1007/s11356-019-06425-y) | Environmental Science and Pollution Research, [September 2019](https://link.springer.com/article/10.1007/s11356-019-06425-y%22%20%5Cl%20%22article-info) PP: 1-16 **Impact Factor: 2.9** |
| 8 | **Senthil Nagappan,** Saravanan Devendran, Pei-Chien Tsai, Hariharan Jayaraman, Vardhini Alagarsamy, Arivalagan Pugazhendhi, Vinoth Kumar Ponnusamy | [Metabolomics integrated with transcriptomics and proteomics: Evaluation of systems reaction to nitrogen deficiency stress in microalgae](https://www.sciencedirect.com/science/article/pii/S135951131931219X) | Process Biochemistry, November 2019 PP:1-12 **Impact factor: 2.9** |

**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 | Shalini Annadurai, **KumuthaRathinam**, Vijai Kanagarajan., | Development of eco-friendly concrete produced with Rice Husk Ash (RHA) based geopolymer | Advances in Concrete Construction, Vol. 9, No. 2 (2020), pp.139-147**Impact factor: 2.618** |
| 2 | NivethaNithiyanam, SivaranjaniRajakamangalamSivathanupillai, Sivasankari Rajendran, SreeSwathi Jayasankar&**Selvakumar .M** | Impact of Low Cost Airlines on Upper Class Rail Transport for Long-Haul Travel in India. | International Journal for Traffic and Transport Engineering, Vol. 10(1), 2020, pp. 61 – 68.**SJIF 2019 = 7.507** |

**Department of Chemical Engineering (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** |
| 1 | **G.Sudha** | Synthesis and characterization of hybrid graphene nanocoolant for heat transfer dissipation in microchannel heat sinks | Chinese journal of chemical Engineering , July 2019 |
| 2 | **Kavitha N P** | Development of Integrated membrane bioreactor and numerical modeling to mitigate fouling and reduced energy consumption in pharmaceutical wastewater treatment | Journal of Industrial and Engineering Chemistry, Vol.76, pp 159-159 |
| 3 | **Sivakumar D** | Synthesis and characterization of ultrasonic-assisted Delonixregia seeds: modelling and application in dry seeds | Desalination and water Treatment, Vol.173,pp 427-441, 2020. |
| 4 | **Palani R** | Experimental and kinetic study on the treatment of synthetic and real pharmaceutical waste water by electrocoagulation | Journal of Indian Chemical Society,Vol.97,pp1-6, March 2020. |
|  5 | **Keerthi R** | Use of combined receptor modeling technique for predictionof possible sources of particulate pollution in Kozhikode, India | International Journal of Environmental Science and Technologyhttps://doi.org/10.1007/s13762-019-02553-7 |

**Department of Computer Science & Engineering (10)**

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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 | **K.S. Gayathri**, K.S. Easwarakumar, Susan Elias | Fuzzy Ontology Based Activity Recognition for Assistive Health Care Using Smart Home | International Journal of Intelligent Information Technologies (IJIIT), 2020, Volume 16, Isuue 1, pp 17-31.  |
| 2 | **C.S.Sanoj**, E.Subramanian | Recurring Queries Optimization Using Mapreduce Model Technologies , | International Journal of Recent Technology and Engineering (IJRTE), Vol.8, No.4, November 2019. |
| 3 | **C.S.Sanoj**, E.Subramanian | A Computation Model for Planned and Functional Systems using Enterprise InformationTechnologies | International Journal of Engineering and AdvancedTechnology (IJEAT), ISSN: 2249 – 8958, Volume-9 Issue-2, December, 2019. |
| 4 | **C.S.Sanoj**, E.Subramanian | Replication of Quantum Computing Towards an Unconventional Environment using QuIDE | International Journal Of Scientific and Technology Research (IJSTR), Vol.8, No.12, 2019. |
|  5 | 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, Nov 2019. |
| 6 | A. C. Santha Sheela,C. **Jayakumar** | Efficient Semantic Based Web Page Duplicate Detection Using SWP-RMA | Life Science Journal,Mitteilungen Klosterneuburg 69, pp.13-25, Feb 2019. |
| 7. | S. Jancy**C. Jayakumar** | Sequence Statistical Code Based Data CompressionAlgorithm for Wireless Sensor Network | Wireless Personal Communications, pp. 971–985, Springer,April 2019. |
| 8. | **B. Praveen Kumar**D. Paulraj | An Efficient Algorithm for Mining Frequent Itemsets in Large Databases  | Journal of Applied Mathematics and Information Sciences, Vol 13, No.6, Nov 2019, pp 913-921. **I.F.: 1.232**  |
| 9. | S. Gokulakrishnan**J. M. Gnanasekar** | Data Integrity management for detection of redundancy and recurrence patterns in cloud | J[ournal of Ambient Intelligence and Humanized Computing](https://link.springer.com/journal/12652)Springer. Oct 2019. **I.F.: 1.91**  |
| 10. | S. Gokulakrishnan**J. M. Gnanasekar** | Efficient and Privacy for Data Integrity and Data Replication in Cloud Computing | International Journal of Innovative Technology and Exploring Engineering, Vol.8, No.12, Oct.2019  |

**Department of Electrical & Electronics Engineering (21)**

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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 | **Santha K.R,** S. Arulmozhi  | Review of multiport isolated bidirectional converter interfacing renewable and energy storage systems | International Journal of Power Electronics and Drive System, Vol.11, No.1, pp 466-476, 2020.  |
| 2 | **Santha K.R,** Ganapathy Ram  | Improved Quadratre Phase Locked Loop Sensorless Permanent Magnet Synchronous Motor Drives | International Journal of Control Theory and Applications, Vol. 11 No.2, pp.59-76, 2018,  |
| 3 | **Nalin Kant Mohanty** and Kannan C,  | A Flexible Rung Ladder Structured Multilevel Inverter  | Technical Gazette, Vol. 27, 4 (2020) 1044-1049. |
| 4 | Nalin Kant Mohanty and G Muralikrishnan  | Performance Analysis of Modified Shunt Active Line Conditioner Using Notch Adaptive Filter | International Journal of Innovative Technology and Exploring Engineering, Vol.8, No.7, pp 1863-1872, May 2019. |
| 5 | **[Nalin Kant Mohanty](http://www.sciencedirect.com/science/article/pii/S1876610217323871%22%20%5Cl%20%22%21)** and [Kavaskar Sekar](http://www.sciencedirect.com/science/article/pii/S1876610217323871%22%20%5Cl%20%22%21)  | High impedance fault detection in distribution system  | International Journal of Advances in Applied Sciences , Vol. 8, No. 2, June 2019, pp. 95-102  |
| 6 |  Nalin Kant Mohanty and G Muralikrishnan  | “Coordinated Control Of Thyristor Based Facts Devices – PSCAD/EMTDC Approach”  | International Journal Of Mechanical And Prod. Engineering Research And Development, Vol. 8, No.2, pp.255-275, Nov 2018. |
| 7 | Ashwin Kumar Sahoo, Jagadish Chandra Pati, & **Nalinikanta Mohanty,**  | Enhancement of Grid Primary Frequency Response using Type 3 and Type 4 WECS with Virtual Inertia Control | Journal of Electrical Engineering |
| 8 | **Kumaravel S**Bharathidasan S.G., | Performance Analysis of Modified Shunt Active Line Conditioner Using Kalman Filter trained by Neural Network | Journal of Advanced Research in Dynamical & Control Systems, ISSN:1943-023X, Vol. 11, 02-Special Issue, 2019, pp 689-698 |
| 9 | Suganthi K, Sunandita V, Suraj R,Roja TS, Sundararaman K  | Design and Implementation of High Frequency Induction Heating with LLC Resonant load matching using ELTA | International Journal of Power Electronics and Drive System, Vol. 11 No.1, pp 178-188, 2020. |
| 10 | C. Gopinath | A Novel Load Side Compensation for Voltage sag/Swell using Dynamic Voltage Restorer | Journal of Electrical Engineering, vol. 20, 2020,Vol. 9, No.2,Dec 2019.  |
| 11 | K.Suganthi, Sundararaman K, Venkatakrishnakumar V  | A Low Cost PV Emulator using Labview and Arduino | International Journal of Engineering and Advanced Technology |
| 12 | M.Shankar Dr.R.P.Kumudinidevi  | A Performance Comparison Analysis of Grid-tied Wind Farm without and with Battery Energy Storage System | Journal of Electrical Engineering, Vol.19,No.3, pp. 109-120, 2019. **Impact Factor: 0.78**. |
| 13 | **M.Shankar**R.P.Kumudinidevi | Choice of Frequency Ratio and Its Optimization for PWM Inverter Harmonic Distortion Control | Control Engineering and Applied Informatics, Vol. 21, No. 1, pp. 31-41, 2019**Impact Factor: 0.698**. |
| 14 | **Thamizmani. S** | Performance Evaluation of DC-DC Buck converter by using PID, Posicast and LQR Controllers | International Journal of Management Technology and Engineering, Vol. 9, No.5,pp 787, May, 2019 |
| 15 | **R. Karthikeyan**Naresh C  | Investigation Of Bridgeless Power Factor Correction In Sepic Based Zero Voltage Transition In Reduced Ripple Factor | Journal of Electrical Engineering, Vol.20, No.1, 2020 **Impact Factor: 0.11** |
| 16 | **Rajvikram.M** | [Comprehensive Review on India’s Growth in Renewable Energy Technologies in Comparison With Other Prominent Renewable Energy Based Countries](https://asmedigitalcollection.asme.org/solarenergyengineering/article-abstract/142/3/030801/1071221) | Journal of Solar Energy Engineering,Vol.142,PP. 030801-030811,Dec.2019. |
| 17 | **Rajvikram.M** Shafiullah.GM NM Kumar Sanjeevikumar Padmanaban | [A State-of-the-Art review on the drive of renewable in Gujarat, State of India: Present situation, barriers and future initiatives](https://www.mdpi.com/1996-1073/13/1/40) | Energies,Vol.13,No.1,,Jan. 2020. |
| 18 | **Rajvikram.M** Sivasankar.G | Experimental study conducted for the identification of best heat absorption and dissipation methodology in solar photovoltaic panel | Solar Energy, Vol.193 pp.283-292, Nov 2019. |
| 19 | **Rajvikram.M** Karthikeyan V Umashankar Subramaniam Rakesh Kumar A Dhafer Almakhles | Experimental Investigations Conducted for the Characteristic Study of OM29 Phase Change Material and Its Incorporation in Photovoltaic Panel | Energies,Vol.13, No.4,Feb. 2019 |
| 20 | Rajvikram.M Leoponraj.S, Ramkumar.S Akshaya.H, Dheeraj.A | Experimental investigation on the abasement of operating temperature in solar photovoltaic panel using PCM and aluminium | Solar Energy, Vol.188, pp.327-338, Aug. 2019. |
| 21 | **Rajvikram.M** Aridra Ghosh.K Tapas K MallickApoorva.K Meenal.S | [Investigations on Performance Enhancement Measures of the Bidirectional Converter in PV–Wind Interconnected Microgrid System](https://www.mdpi.com/1996-1073/12/14/2672) | Energies, Vol.12, No.14, July 2019. |

**Department of Humanities & Social Science (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** |
| 1 | Clement A and**Murugavel T** | The Importance of English  | Modern English Teacher, Vol.28,No.1,pp.76-79, 2019 |
| 2 | **T.Murugavel**  | A women’s voice for nature in *Silent Spring* | Bodhi International Journal of Research in Humanities , Arts and Science , Vol.3, No.1,Mar.2019 **I.F. 2.135** |
| 3 | **T Murugavel** | 'The Birds - A Short Story with a Horror History' | Journal of English Language, Literature and Criticism,Vol.10,No.7, 2019  |
| 4 | **P Ganapathy** | 'Arthur C Doyle's Sherlock Holmes - An Ideal Material for the 21st Century Learners' | Journal of English Language, Literature & Criticism,Vol 10(7) 2019  |
|  5 | **C.Amutha Charu Sheela** | Garrisoned Moments : Memory and Nationalism in Rohini Mohan’s The Seasons of Trouble: Life Amid the Ruins of Sri Lanka’s Civil War | International Journal of English Language,Literature and Humanities Vol.7, No.5, May 2019 |

**Department of Electronics & Communication Engineering (39)**

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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 | Jayanthi Ganapathy and **Dr.P.Jothilakshmi**, | Prediction of Traffic Volume by Mining Traffic Sequences Using Travel Time based Prefix span  | IET Intelligent Transport Systems, Volume 13, Issue 7, July2019, pp.1199–1210, DOI:10.1049/ietits.2018.5165, Print ISSN 1751-956X, Online ISSN 1751-9578**,** SCI indexed, Impact factor 2.05, **Listed in Anna University Annexure.** |
| 2 | J.Monica, **P.Jothilakshmi** | A Novel Gain Enhanced Conformal Patch Antenna with Defected Ground for Aircraft Applications | IET Communications, England, Volume 14, Issue 2, 17 January 2020, pp.290–299,DOI: 10.1049/iet-com.2018.6042, Print ISSN 1751-8628, Online ISSN 1751-8636, SCI indexed, Impact factor 1.779,**Listed in Anna University Annexure.** |
| 3 | A.Sivabalan and **Dr.P.Jothilakshmi** | Microstrip Wearable O-Shaped Reconfigurable antenna for Medical Applications | International Journal of Recent Technology and Engineering (IJRTE), Vol.8, issue1, May 2019, EISSN: 2277-3878, pp.318-324 **(Scopus Indexed).** |
| 4 | B.Kishor Kumar, R.Mohanasundaram and **Dr.P.Jothilakshmi** | Design of Multilayer Stacked Patch Antenna for C and X band Applications | International Journal of Scientific Research and Review, ISSN No:2279-543X,Vol.8,issue3,pp.1103-1109, 2019. (**UGC ISSN APPROVED**: 64650). |
| 5 | E.S.Lakshmi and **Dr.P.Jothilakshmi** | H-slotted Frequency Reconfigurable Two-element Array Antenna for Cognitive Radio Applications | International Journal of Advanced Research in Dynamical and Control Systems (JARDCS), ISSN:1943023X, Vol.11, Special issue.3, pp.1405-1411, May 2019, Impact factor 0.11, Scopus indexed, USA. |
| 6 | E.S.Lakshmi and **Dr.P.Jothilakshmi** | Design of Hexa-band Reconfigurable Antenna Using a Defective Ground Structure  | International Journal of Scientific Research and Review, ISSN NO: 2279-543X, pp.1278-1286, Volume 8, Issue 6, 2019(**UGC ISSN APPROVED**: 64650). |
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**Summary of Publication of Research Papers (Academic Year 2019-2020)**

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| **S. No.** | **Dept.** | **No. of Papers** |
| 1 | **AC** | 5 |
| 2 | **AE** | 6 |
| 3 | **AM** | 21 |
| 4 | **AP** | 5 |
| 5 | **BT** | 8 |
| 6 | **CE** | 2 |
| 7 | **CH** | 5 |
| 8 | **CS** | 10 |
| 9 | **EC** | 39 |
| 10 | **EE** | 21 |
| 11 | **HS** | 5 |
| 12 | **IT** | 7 |
| 13 | **ME** | 27 |
| 14 | **MR** | - |
| Total | 161 |