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|  | OM SAKTHI  **ADHIPARASAKTHI COLLEGE OF ENGINEERING**  G.B. NAGAR, KALAVAI – 632 506, RANIPET DISTRICT  **DEPARTMENT OF MECHANICAL ENGINEERING** |  |

**LIST OF PUBLICATION IN JOURNALS**

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| --- | --- | --- | --- | --- | --- |
| **S.No** | **Title of paper** | **Name of the author/s** | **Department of the Faculty** | **Name of journal** | **Year of publication** |
| 1 | The Extension of Chebyshev Polynomial Bounds Involving Bazilevic Function | S.Chinthamani, P.Lokesh | Mathematics | Indian Journal of Science and Technology | 2023 |
| 2 | Coefficient Estimates on Bernoulli Polynomials defined by Al – Oboudi Differential OperatorDifferential Operator | S.Chinthamani, P.Lokesh | Mathematics | Mukt Shabd Journal | 2023 |
| 3 | Optimal Fuzzy C-Means Clustering Algorithm for Reversible Mammogram Image Hiding Based on Computer Vision | B .Senthilraja | Electronics and Communication  Engineering | Journal of Environmental Protection and Ecology | 2023 |
| 4 | Enhanced User Voice Control Ticket Vending Machine Using Raspberry-Pi | B .Senthilraja | Electronics and  Communication  Engineering | International Journal of Intelligence Multidisciplinary Engineering Research | 2023 |
| 5 | Optimization of Aluminium 6061 and 5083 Metal Matrix Composites with Fly-Ash Based on Physical Characteristics | B. Shanmugausundaram | Mechanical | International Journal of Chemical and Biochemical Sciences | 2023 |
| 6 | Experimental comparison of Glass and Jute Fiber with & without Eggshell Additive Reinforced Hybrid Composite | D. Dhana Sekar | Mechanical | Materials Today : Proceedings | July 2022 |
| 7 | Qausi – Subordination for a Bazilevic Sakaguchi Function Associated with K –Analogue of Bessel Function | P. Lokesh, S.Prema | Mathematics | AIP Conference Proceedings | 2023 |
| 8 | Coefficient Problem in Certain Analytic Functions using Hankel Determinant Application | S.Prema, P. Lokesh | Mathematics | AIP Conference Proceedings | 2023 |
| 9 | Best Bounds for Fekete-Szegö Functional for the *kth* Root Transform of Certain Subclasses of Sakaguchi Type functions | P.Lokesh, S.Chinthamani | Mathematics | Earthline Journal of Mathematical Sciences | 2023 |
| 10 | Design and Implementation of Filter Circuit to Improve the Efficiency of Multiport Converter For Large Scale Renewable Energy Applications | Dr.B. ShanthiSaravana | EEE | International Journal of Advanced Development in Science and Technology | 2022 |
| 11 | Feasibility of integrating renewable energy with desalination for drinking water supply in Chennai” | Dr.B.Dhanalakshmi | EEE | International Journal of Advanced Development in Science and Technology | 2022 |
| 12 | Energy and QoS centric resource allocation frame work with user demand analysis in hetnets | Mr. E. Sivarajan | CSE | International Journal Systems Assurance Engineering Management | 2021 |
| 13 | Effects of coal based thermal power plant in India | Dr. K. Balakannan | Mechanical | [International Journal of Engineering Trends and Technology](https://www.scopus.com/authid/detail.uri?authorId=56541636800) | 2021 |
| 14 | Design and development of semantic ontology for large scale manufacturing industry with help of expert miner | Dr. K. Balakannan | Mechanical | [International Journal of Engineering Trends and Technology](https://www.scopus.com/authid/detail.uri?authorId=56541636800) | 2021 |
| 15 | [Mechanical Characteristics of Aluminium 5083 Metal Matrix Strengthen with Fly Ash](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=n0H78SoAAAAJ&citation_for_view=n0H78SoAAAAJ:3fE2CSJIrl8C) | Mr. B. Shanmugasundaram | Mechanical | Turkish Journal of Computer and Mathematics Education | 2021 |
| 16 | [Experimental Investigation of Aluminium (Al6061) Alloy with Fly Ash Metal Matrix Composite Material](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=n0H78SoAAAAJ&citation_for_view=n0H78SoAAAAJ:kNdYIx-mwKoC) | Mr. B. Shanmugasundaram | Mechanical | Annals of Romanian Society of Cell Biology | 2021 |
| 17 | Investigation on single crystal by tartaric acid-barium chloride:growth and characterization of novel NLO materials | Mr. N. Saravanan | Physics | Bulletin of Materials Science | 2020 |
| 18 | Process analysis on large scale manufacturing industry for performance and sustainable development | Dr. K. Balakannan | Mechanical | Journal of Green Engineering | 2020 |
| 19 | Impact of natural gas combined cycle power plant on gomati river, tripura | Dr. K. Balakannan | Mechanical | Journal of Green Engineering | 2020 |
| 20 | Horadam Polynomial Coefficient Estimates for Sakaguchi kind of Functions | Mr. P. Lokesh | Mathematics | Solid State Technology | 2020 |
| 21 | Investigation of third -order nonlinear optical semi organic potassium bromide malate single crystals for optoelectronic applications | Mr. N. Saravanan | Physics | Materials today: proceedings | 2020 |
| 22 | Coefficient inequality for for Sakaguchi kind of Functions Related to Shell – like Curves Connected with Fibonacci Numbers | Mr. P. Lokesh | Mathematics | International Journal of Advanced Science and Technology | 2019 |
| 23 | Experimental Investigation Of Twisted Tape Insert In A Double Pipe Heat Exchanger Using Aluminium Oxide Nanofluid | Mr.T.Mohan kumar | Mechanical | International Journal of Mechanical and Production Engineering Research and Development | 2019 |
| 24 | Heat Transfer Characteristics of Double Pipe Heat Exchanger with Plain Twisted Tape Insert using Titanium Oxide | Mr.T.Mohan kumar | Mechanical | International Journal of Innovative Technology and Exploring Engineering | 2019 |
| 25 | Heat Transfer and Friction Factor Characteristics of Heat Exchanger using Aluminium Oxide and Titanium Oxide | Mr.T.Mohan kumar | Mechanical | International Journal of Recent Technology and Engineering | 2019 |
| 26 | An Improved Clustering Realized Relational Data Anonymization with Optimal Privacy and Utility Measures | Dr. J.S. Adeline Johnsana | IT | International Journal of Recent Technology and Engineering | 2019 |
| 27 | [Dynamic Behavioral Analysis Of Various Material Coated Cutting Tool](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=n0H78SoAAAAJ&citation_for_view=n0H78SoAAAAJ:eQOLeE2rZwMC) | Mr. B. Shanmugasundaram | Mechanical | International Reserach Journal of Engineering and Technology. | 2019 |
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| 30 | [Optimization Machining Parameters in a Turning Operation of Steels to Minimize Surface Roughness and Temperature](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=n0H78SoAAAAJ&citation_for_view=n0H78SoAAAAJ:2osOgNQ5qMEC) | Mr. B. Shanmugasundaram | Mechanical | International Reserach Journal of Engineering and Technology. | 2019 |
| 31 | Design Analysis of Land Surveying Robot using Arduino UNO | Mr. T. Mohan kumar | Mechanical | International Reserach Journal of Engineering and Technology. | 2019 |
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| 34 | Experimental Evaluation of Glass fiber Reinforced composites subjected to different loads | Mr.D.Dhanasekar | Mechanical | International Reserach Journal of Engineering and Technology. | 2019 |
| 35 | Design Analysis of Land Surveying Robot using Arduino UNO | Mr.D.Dhanasekar | Mechanical | International Reserach Journal of Engineering and Technology. | 2019 |
| 36 | Study analysis of metal bending in a sheet metal using Finite Element Method | Mr.D.Dhanasekar | Mechanical | International Reserach Journal of Engineering and Technology. | 2019 |
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