

**Number of quality publications in referred / SCI Journals for 2017-2018**

| S.No. | Title of the paper                                                                                                                               | Name of the Journal                                            | Authors                                                                                | National/International | Volume, issue, month & year of publication | ISBN/ISSN Number                           | Scopus/Scopus&SCI, Non-SCI | Impact Factor |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------|--------------------------------------------|--------------------------------------------|----------------------------|---------------|
| 1     | Demonstrating the importance of using total time balance instead of route balance on a multi-objective vehicle routing problem with time windows | The International Journal of Advanced Manufacturing Technology | V. Sivaramkumar<br>M.R. Thansekhar<br>R. Saravanan<br>S. Miruna<br>Joe Amali           | International          | 98 & 2018                                  | 0268-3768                                  | SCI&Scopus                 | 2.9           |
| 2     | Mechanical and wear behaviour of the Al-Mg-nanoZrC composite obtained by means of the powder metallurgy method                                   | Bulletin of the Polish Academy of Sciences: Technical Sciences | A.N.Balaji, G. Sankaranarayanan, K.Velmanirajan, K. Gangatharan                        | International          | Vol. 66, No. 5, pp. 729-735, 2018          | 2300-1917<br>0239-7528                     | SCI&Scopus                 | 1.42          |
| 3     | Effect of Nanofluid on Flow Distribution in a Microchannel Heat Sink                                                                             | Advanced Science, Engineering and Medicine                     | M.R.Thansekhar<br>C.Anbumeenakshi<br>M.Satheeshkumar                                   | International          | Vol.10, No .3, March 2018                  | 2164-6627                                  | Non-SCI                    |               |
| 4     | Heat Transfer Enhancement of Nanofluid Cooled Microchannel Heat Sink                                                                             | Advanced Science, Engineering and Medicine                     | M.R.Thansekhar<br>C.Anbumeenakshi                                                      | International          | Vol.10, No .3, March 2018                  | 2164-6627                                  | Non-SCI                    |               |
| 5     | Solving fixed charge transportation problem with truck load constraint using metaheuristics                                                      | Annals of Operations Research                                  | A. N. Balaji<br>J. Mukund<br>Nilakantan<br>Izabela Niels<br>N. Jawahar<br>S. G. Ponnal | International          | DOI 10.1007/s10479-017-2692-z, 2017        | 0254-5330                                  | SCI&Scopus                 | 1.8           |
| 6     | Solving the multi-period fixed cost transportation problem using LINGO solver                                                                    | International Journal of Pure and Applied Mathematics          | N. Balaji, &A.N.Balaji                                                                 | International          | Vol. 119, No. 12, 2151-2157, 2018          | 1 3 1<br>1 -<br>8 0 8<br>0<br>1 3 1<br>4 - | Scopus/SCI                 | 0.22          |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------|---------------|---------------------------|------------------------|----------------|-------|
|    |                                                                                                                                                                              |                                                           |                                                                         |               |                           | 3395                   |                |       |
| 7  | Reinforcement with alumina particles at the interface region of AA6101-T6 and AA1350 alloys during friction stir welding                                                     | Materials Research Express                                | R. Ashok kumar<br>M.R. Thansekhar                                       | International | 5,4 & April 2018          | 2053-1591              | Scopus/S<br>CI | 1.057 |
| 8  | Comparative studies on the performance and emissions of a direct injection diesel engine fueled with neem oil and pumpkin seed oil biodiesel with and without fuel preheater | Environmental Science and Pollution Research              | M.R.Thansekhar<br>R.Muneeswaran,<br>V.Karthickeyan                      | International | 23, 1 & 2017              | 0944-1344              | Scopus/S<br>CI | 3.03  |
| 9  | Effect of diameter of metal nanowires on pool boiling heat transfer with FC-72                                                                                               | Applied Surface Science                                   | Thansekhar M.R.,<br>Udaya Kumar G,<br>Suresh S.,<br>Dinesh Babu P       | International | 423 509-520 & 2017        | 0169-4332              | Scopus/S<br>CI | 4.091 |
| 10 | An Experimental Investigation on Wear and Corrosion Characteristics of Mg-Co nanocomposites                                                                                  | Materials Research Express                                | G.R. Raghav,<br>A.N.Balaji,<br>D.Muthukrishnan,<br>V.Sruthi & E. Sajith | International | Vol.5, No.6, 066523, 2018 | 2053-1591              | Scopus/S<br>CI | 1.057 |
| 11 | Artificial immune system and particle swarm optimisation algorithms for an integrated production and distribution scheduling problem                                         | International Journal of Logistics Systems and Management | S. Porselvi<br>A.N. Balaji,<br>N.Jawahar                                | International | 30,1 & 2018               | 1742-7967<br>1742-7975 | Scopus/S<br>CI | 1.165 |
| 12 | Mechanical and tribological behavior of the metal matrix composite AA6061/ZrO <sub>2</sub> /C                                                                                | Journal of mechanical science and technology              | Pandiyarajan R, Maran.P, Marimuthu,S , Ganesh KC                        | International | Vol.3, (10) (2017)        | 1738-494X              | Scopus/S<br>CI | 1.448 |
| 13 | Synthesis and Characterization of Zirconium Dioxide                                                                                                                          | Indian Journal of Engineering & Materials                 | Pandiyarajan R, Maran.P, Marimuthu,S                                    | National      | Vol.24, 2017              | 0975-1017              | NON-SCI        | 0.812 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------|---------------|-------------------------------------------|----------------------------------|----------------|------|
|    | Particulate Reinforced Aluminum Alloy Metal Matrix Composite                                                                                 | Sciences.                                                      | , Ganesh KC                                       |               |                                           |                                  |                |      |
| 14 | Effect of Wood Sawdust Filler on the Mechanical Properties of Indian Mallow Fiber Yarn Mat Reinforced with Polyester Composites              | International journal of polymer analysis and characterization | A.N. Balaji<br>V.Vignesh<br>M.K.V.<br>Karthikeyan | International | Vol.22,<br>No.7,<br>pp.610-621,<br>2017   | 1023-666X<br>1563-5341           | Scopus/S<br>CI | 1.33 |
| 15 | Effect of Nano-TiO <sub>2</sub> Particles on Wear and Corrosion Behaviour of AA6063 Surface Composite Fabricated by Friction Stir Processing | Metallofizika I NoveishieTekhnologii                           | D.Muthukrishnan,<br>A.N.Balaji,<br>&G.R.Raghavan  | International | Vol. 40,<br>No.3, pp.<br>397-409,<br>2018 | 1024-1809                        | NON-SCI        |      |
| 16 | 'Predicting and Enhancing the Reliability of Computer Operated Robot by Considering Software, Hardware and Interfacing Modules',             | International Journal of ChemTech Research                     | Satheeshpandian, D<br>Asha, A                     | International | Vol.10,<br>No.14,<br>2017                 | 0974-4290,<br>(Online):2455-9555 | NON-SCI        | 0.48 |
| 17 | Influence of Stir casting process parameters on properties of Aluminium Composites,                                                          | International Journal of Chemtech Research                     | A.Hemalatha,<br>V.Dhanalakshmi                    | International | 10,14 &<br>2017                           | 2455-9555                        | NON-SCI        | 0.48 |
| 18 | Probabilistic stress analysis of cylindrical pressure vessel under internal pressure using Monte Carlo simulation method                     | Indian Technical Research Organisation                         | R.<br>Manikandan<br>K.J.Nagarajan                 | National      | 4, 9 &<br>2017                            | 2393 –<br>8374                   | NON-SCI        |      |