

**DC MEMBER 3**

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**LIST OF PUBLICATIONS FOR LAST FIVE YEARS – 2015-2020**

| Sl. No | Title of papers   | Author(s)  | Name of Journal                               | Year, Volume | Page No. |      |
|--------|---|--|---|--------------|----------|------|
|        |   |  |   |              | From     | To   |
| 1.     | Multi-response optimization of AA 8011 and 12 wt.-% fly ash composites  | S.Magibalan, P.Senthilkumar, C.Senthilkumar, M.Prabu.                            | Materials Testing                             | 2020,62      | 525      | 533  |
| 2.     | Experimental investigation on performance, combustion, and emission characteristics of diesel doped with green synthesized nano cerium oxide. | R.Magudieshwaran, R.Venkatachalam, P.Senthilkumar, S.Magibalan , M.Kathirselvam. | Environmental Progress & Sustainable Energy   | 2020,01      | 1        | 10   |
| 3.     | Safety and Labour Management on Construction Site   | M.Lakshmanan , M.Prabu , S.Magibalan , P.Senthilkumar, R.Boopathi.               | Journal of Xidian University                  | 2020,14      | 1248     | 1260 |
| 4.     | A study surface integrity of aluminum hybrid composites during milling operation  | P.Rasagopal, P.Senthilkumar, G.Nallakumarasamy, S.Magibalan.                     | Journal of Materials Research and Technology. | 2020,09      | 4884     | 4893 |
| 5.     | Hazard Management In Blast Furnace  | S.Raghul, M.Prabu, S.Magibalan, P.Senthil kumar, T.Suresh kumar.                 | Journal of Xidian University                  | 2020,14      | 1238     | 1247 |
| 6.     | Effect of Eco-Friendly Chemical Treatment on the Properties of Sesbania Rostrata Fiber  | K.Raja, P.Senthilkumar, G.Nallakumarasamy, T.Natarajan.                          | Journal of Natural Fibers                     | 2020         | 1        | 13   |
| 7.     | Optimization of wear parameters for aluminium 4% fly-ash composites   | S.Magibalan, P.Senthilkumar, C.Senthilkumar, M.Prabu,                            | NISCAIR-CSIR                                  | 2020         | -        | -    |

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|-----|---|--|----------------------------------|---------|-----|-----|
| 8.  | Modeling of machining parameters for MRR and TWR in EDM characteristics on Al/10 wt.-% TiB2 composites      | M.Prabu,<br>S.Magibalan,<br>C.Senthilkumar,<br>R.Palanivelu,<br>P.Senthilkumar<br>R.Boopathi | Materials Testing                | 2019,61 | 559 | 566 |
| 9.  | Tribological behaviour of aluminium alloy 8011  | S.Magibalan,<br>P.Senthilkumar,<br>C.Senthilkumar,<br>M.Prabu.                               | Int.Journal of Materials Testing | 2019,26 | 43  | 50  |
| 10. | Dry sliding behavior of the aluminum alloy 8011 composite with 8% fly ash                                   | S.Magibalan,<br>P.Senthilkumar,<br>C.Senthilkumar,<br>M.Prabu.                               | Int.Journal of Materials Testing | 2018,60 | 777 | 782 |
| 11. | Dry sliding behavior of aluminum alloy 8011 with 4% fly ash   | S.Magibalan,<br>P.Senthilkumar,<br>C.Senthilkumar,<br>M.Prabu.                               | Int.Journal of Materials Testing | 2018,60 | 209 | 214 |
| 12. | Dry sliding behavior of aluminum alloy 8011 with 12% fly ash composites                                     | S.Magibalan,<br>P.Senthilkumar,<br>R.Palanivelu,<br>C.Senthilkumar,<br>N.Shivasankaran.      | Materials Research Express       | 2018,05 | 56  | 66  |
| 13. | Microstructure and mechanical properties of fly ash particulate reinforced AA8011 aluminum alloy composites | S.Magibalan,<br>P.Senthilkumar,<br>C.Senthilkumar,<br>M.Prabu.                               | Int.Journal of Materials Testing | 2018,60 | 765 | 771 |
| 14. | Mechanical, electrical, and corrosion behavior of AA6063/TiC composites synthesized via stir casting route  | S.Saravanan,<br>P.Senthilkumar,<br>M.Ravichandran,<br>V.Anandakrishnan                       | Journal of Materials Research    | 2017,32 | 606 | 614 |

|     |  |   |   |         |      |      |
|-----|--|---|---|---------|------|------|
| 15. | Accelerated Short-Term Techniques to Evaluate Corrosion in TiC Reinforced AA6063 Composites  | S.Saravanan,<br>P.Senthilkumar,<br>T.Palanisamy,<br>M.Ravichandran,<br>V.Anandakrishnan | Journal Of<br>Advances In<br>Chemistry                                  | 2017,13 | 5905 | 5913 |
| 16. | Hazard Identification and Risk Assessment in Automotive Industry   | R.Ramesh,<br>M.Prabu,<br>S.Magibalan,<br>P.Senthilkumar                                 | International<br>Journal of<br>ChemTech<br>Research                     | 2017,10 | 352  | 358  |
| 17. | Productivity enhancement of a-single basin solar still   | M.K.Gnanadason,<br>P.Senthilkumar,<br>V.H.Wilson,<br>A.Kumaravel                        | Desalination<br>and Water<br>Treatment                                  | 2015,10 | 1998 | 2008 |
| 18. | Hybrid sorting immune simulated annealing algorithm for flexible job shop scheduling   | N.Shivasankaran,<br>P.Senthilkumar,<br>K.V.Raja   | International<br>Journal of<br>Computational<br>Intelligence<br>Systems | 2015,08 | 455  | 466  |
| 19. | Experimental study on the performance and emission measures of direct injection diesel engine with Kapok methyl ester and its blends | T.Kumar,<br>P.Senthilkumar<br>K.Annamalai   | Renewable<br>Energy   | 2015,74 | 903  | 909  |