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List of publications- Last Five years

SL NO	PUBLICATION DETAILS	Impact Factor/ SNIP	INDEXING
1.	Jeyajeevahan J, M Chandrasekaran, Venkatesan Sorakka Ponnappan, Sriram V, Britto Joseph G, mageshwaran g, DURAIRAJ R B, “ <i>Scaling up difficulties and commercial aspects of edible films for food packaging: a review</i> ” in Trends in Food science and Technology, Elsevier Publications https://doi.org/10.1016/j.tifs.2020.04.014	9.3	Science Citation Index Expanded , Web of Science
2.	Y.Deverajan , N.Beemkumar, G.Mageshwaran, Sunilkumar, R B Durairaj , <i>Feasibility Study Of Employing Diverse Antioxidants As An Additive In Research Diesel Engine Running With Diesel- Bio-Diesel Blends</i> in FUEL , Elsevier Publications (Accepted for Publication)	5.12	Science Citation Index Expanded , Web of Science
3.	R.B.Durairaj , M.Nagaraj , G. Mageshwaran , G.Brittojoseph, V.Sriram, J.Jeyajeevahan , Effect Of Plasma Sprayed A-Tri-Calcium Phosphate (A-Tcp)Deposition Over Metallic Biomaterial Surfaces For Biomedical Applications in Digest Journal of Nanomaterials and Biostructures Vol 15, No.2 April – June 2020 Issue PP 345 - 358	0.7	Science Citation Index Expanded , Web of Science
4.	Nandagopal M, Sivakumar K, Velmurugan S, Durairaj R B , Mageshwaran G , Multi Objective Optimization Of Western Bentonite($Al_2H_2Na_2O_{13}Si_4$) Blended Green Sand Casting Process Parameters To Improve The Mould Quality , Transactions Of The Canadian Society For Mechanical Engineering (Accepted)	0.2	Science Citation Index Expanded , Web of Science
5.	Logesh K, Nagaraj M, Mageshwaran G, Durairaj R B , Christopher D , Detailed Study of Performance and Emission Characteristics of Diesel Engine Fuelled with Biodiesel and Additive, Transactions of the Canadian Society for Mechanical Engineering, https://doi.org/10.1139/tcsme-2019-0166	0.2	Science Citation Index Expanded , Web of Science

6.	RB Durairaj , G Mageshwaran, J Jeyajeevahan, T Arvind, J Hemanandh, M Kok Experimental Investigation On Surface Morphological Behavior Of Hydroxyapatite Coatings Deposited Over Metallic Biomaterial Surfaces Using Plasma Spray Process In Digest Journal Of Nanomaterials & Biostructures (Djnb) . Apr-Jun2019, Vol. 14 Issue 2, P343-350. 8p	0.7	Science Citation Index Expanded , Web of Science
7.	Jeya Jeevahan, M Chandrasekaran, G Britto Joseph, RB Durairaj , G Mageshwaran Super hydrophobic surfaces: a review on fundamentals, applications, and challenges in Journal of Coating Technology and Research Vol 15 , Issue 2 PP 231-250	1.584	Science Citation Index Expanded , Web of Science
8.	RB Durairaj , S Ramachandran In Vitro Characterization of Electrodeposited Hydroxyapatite Coatings over Titanium (Ti6AL4V) and Magnesium (AZ31) Alloys for Biomedical Application in International journal of Electrochemical science , ESG publications. Vol 13 PP4841-4854.	1.3	Science Citation Index Expanded , Web of Science
9.	Jeevahan, Jeya & Mageshwaran, G & Joseph, Britto & R.B. Durai Raj , & Thamarai Kannan, R. (2017). Various Strategies for Reducing NOx Emissions of Biodiesel Fuel Used in Conventional Diesel Engines: A Review. Chemical Engineering Communications. Vol 204, 2017, Issue 10 PP1202 - 1223	1.431	Science Citation Index Expanded , Web of Science
10.	Jeya Jeevahan, G Sriramanjaneyulu, RB Durairaj , G Mageshwaran Experimental investigation of the suitability of 1-butanol blended with biodiesel as an alternative biofuel in diesel engines in Biocatalysis and agricultural biotechnology Vol 15 ,PP 72-77	0.862	Emerging Sources Citation Index , Scopus
11.	G. Mageshwaran, R. B. Durairaj , J. Jeyajeevahan, V. Sriram & G. Britto Joseph <i>Computational Analysis Of Passive Cooling Technique Applied To A Room Under Naturally Induced Flow</i> in International Journal Of Mechanical And Production Engineering Research And Development (Ijimperd) Issn (P): 2249-6890; Issn (E): 2249-8001 Vol. 7, Issue 6, Dec 2017, 669-678.	0.89	Emerging Sources Citation Index , Scopus
12.	R. B. Durairaj, G. Mageshwaran, Prem Anand T P J Jeyajeevahan R Rajasekar , Effect Of Inlet Valve Modification Using Converging Tube For Single Cylinder Diesel Engine Using Biodiesel, In International Journal Of Scientific & Technology Research Volume 9, Issue 02, February 2020, Pp 2065 - 2070	-	Scopus
13.	G. Britto Joseph, A. Praveenkumar, R.B. Durairaj, G. Mageshwaran, V. Sriram, Jeya Jeevahan Effect of Process Parameters for Wirecut Electric Discharge Machining of Cladded SS304 in International Journal of Vehicle structures and systems in Vol 11 , Issue 4, http://dx.doi.org/10.4273/ijvss.11.4.08	Scopus	13.

14.	Durairaj, R.B. , Sasidharan, K., Sahaya, A.A. Experimental investigation on the AL 7075/ zirconium oxide & graphite composite material for moderate temperature applications in International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN(P): 2249-6890; ISSN(E): 2249-8001 Vol. 9, Issue 3, Jun 2019, 471-478	-	Scopus
15.	R B Durairaj , G Mageshwaran , Arundeeep Murugan , Experimental investigation on properties of surface radiation of solar collector receiver tube material with black nickel coating in International Journal Of Mechanical And Production Engineering Research And Development (Ijimperd) Issn (P): 2249-6890; Issn (E): 2249-8001, Vol. 9, Issue 3, Jun 2019, 387-394.	-	Scopus
16.	V.Sriram, Jeyajeevahan, G.Mageshwaran, G.Brittojoseph & R.B.Durairaj Engine Performance And Emission Characteristics Of 1-Octanol Blended Bio-Diesel In A Single Cylinder Diesel Engine In International Journal Of Mechanical And Production Engineering Research And Development (Ijimperd) Issn (P): 2249-6890; Issn (E): 2249-8001 Vol. 7, Issue 6, Dec 2017, 623-630.	-	Scopus
17.	R B, Durairaj & Arul, Anderson & Govindaraj, Mageshwaran & Joseph, Britto & Balamurali, M. (2017). Performance and Emission characteristics of cotton seed and Neem oil biodiesel with CeO ₂ additives on single cylinder diesel engine. International Journal of Ambient Energy. 1-12. 10.1080/01430750.2017.1392352.	0.89	Emerging Sources Citation Index , Scopus
18.	Joseph, Britto & Govindaraj, Mageshwaran & Jeevahan, Jeya & R .B. Durai Raj , & Poovannan, A. (2017). Studies on effect of Temperature and time on the SS 304 surface for the properties degradation of solar collector. International Journal of Ambient Energy. 1-8. 10.1080/01430750.2017.1399460.	0.89	Emerging Sources Citation Index , Scopus
19.	Jeevahan, Jeya & Poovannan, A & Sriram, V & R B, Durairaj & Maghwaran, G & Joseph, Britto. (2017). Effect of Intake Air Oxygen Enrichment for Improving Engine Performance and Emissions Control in Diesel Engine. International Journal of Ambient Energy. 1-6. 10.1080/01430750.2017.1372811.	0.89	Emerging Sources Citation Index , Scopus
20.	Jeevahan, Jeya & R B. Durai Raj , & Govindaraj, Mageshwaran & Sriram, V & Joseph, Britto & Poovannan, A. (2017). Design and Analysis of Internal Cooling Passage of Gas Turbine Using Computational Fluid Dynamics. International Journal of Ambient Energy. 1-5. 10.1080/01430750.2017.1372810.	0.89	Emerging Sources Citation Index , Scopus
21.	Govindaraj, Mageshwaran & Joseph, Britto & Sivaji, Tallapaneni & Ravi Teja, Vulchi & R B, Durairaj & Anantham, Nithiy & Raja, Maruthai. (2017). Energy	0.89	Emerging Sources Citation Index , Scopus

	saving in air conditioning system using modified hvac unit as energy reducer. International Journal of Ambient Energy. 1-11. 10.1080/01430750.2017.1318790.		
22.	Mageshwaran, G & R B. Durai Raj , & Joseph, Britto & Jeevahan, Jeya & Kuruvilla, Kevin & Francis, Fino. (2017). Computational Investigation of Flow Parameters and Efficiency of Single and Double Inlet Cyclone Separators. International Journal of Ambient Energy. 1-8. 10.1080/01430750.2017.1303644.	0.89	Emerging Sources Citation Index , Scopus
23.	G. Britto Joseph; G. Narendrakumar; G. Mageshwaran; Jeya Jeevahan; V. Sriram; R. B. Durai Raj Optimisation of process parameters for electroless nickel plating on SS316L for refrigeration systems in international journal of ambient energy 10.1080/01430750.2018.1437564.	0.89	Emerging Sources Citation Index , Scopus
24.	R B Durairaj , G Mageshwaran, J Jeyajeevahan , Madhu chereyala “Surface roughness and corrosion characterization of Multi walled carbon nano tube reinforced Zirconium composite coated over SS316L “ in ” in International Journal of Ambient Energy published by Taylor and Francis publications in September 2016 DOI:10.1080/01430750.2016.1237891.	0.89	Emerging Sources Citation Index , Scopus
25.	G. Mageshwaran, S. Ramachandran, K. Gobinath & R.B. DuraiRaj “Design of Tracking System for Helical Coiled Receiver Tube of Parabolic Trough Collector” in International Journal of Ambient Energy published by Taylor and Francis publications in August 2016	0.89	Emerging Sources Citation Index , Scopus
26.	G Mageshwaran , S Ramachandran , G Iyappan R B Durairaj , “Experimental Investigation on surface radiation properties degradation of solar collector receiver tube material” in International journal of Ambient energy by Taylor and francis publication issue 2016 DOI: 10.1080/01430750.2016.1202139	0.89	Emerging Sources Citation Index , Scopus
27.	Manikunjan , Jeyajeevahan , Britto joseph , Mageshwaran R B Durairaj , Poovannan “Biodiesel Derived from Mango Seed Oil as An Alternative Fuel for Diesel Engines” in Research Journal of Pharmaceutical, Biological and Chemical Sciences for Vol 7 issue 6 Dec 2016 PP 2137 - 2143 (Scopus Indexed)	-	Scopus
28.	G Britto Joseph, G. Mageshwaran, R.Ajith Kumar, R.B Durai Raj , Jeya Jeevahan, Mani Kunjan “Characteristics studies of Stainless Steel (AISI Type 304L) Welded by ER310L Filler Using TIG Welding” in International Journal of Chemical Sciences of ISSN 0972768X in Issue October – December 2016.	-	Scopus
29.	G Britto Joseph, G. Mageshwaran, R.Ajith Kumar, R.B Durai Raj , Jeya Jeevahan, Mani Kunjan “Characteristics studies of Stainless Steel (AISI Type 304L) Welded by ER310L Filler Using TIG Welding”	-	Scopus

	in International Journal of Chemical Sciences of ISSN 0972768X in Issue October – December 2016 (Accepted) (Scopus Indexed).		
30.	R B Durairaj S Ramachandran “Corrosion Characterstics Of Hydroxyapatite Coated Titanium Substrate For Biomedical Applications” in International Journal of Chemical Sciences of ISSN 0972768X in Issue October – December 2016	-	Scopus
31.	R B Durairaj S Ramachandran “Brief Review on Corrosion behavior of hydroxyapatite coatings” in Research Journal of Pharmaceutical, Biological and Chemical Sciences for Vol 7 issue 5 September 2016 PP 2423 - 2427 (Scopus Indexed).	-	Scopus
32.	R B Durairaj ,G Mageshwaran , V Sriram “Investigation on Mechanical Properties of Glass and Carbon Fiber Reinforced With Polyester Resin Composite” in International journal of Chem Tech research in Vol 9 No 6 2016 PP 417 – 423 (Scopus indexed).	-	Scopus
33.	R B Durairaj Madhu chereyala G Mageshwaran Britto joesph “Corrosion behavior of Multi walled carbon nano tubes reinforced Zirconium oxy chloride Composite coated over SS316 L in sodium chloride solution “ in Journal of Chemical and Pharmaceutical sciences Issue Dec 2016 vol 9 issue 4 PP 2876 - 2878 (Scopus Indexed)	-	Scopus