

### Research publication 2021

S.no	Names of the authors	Title, year, vol, pages,doi	Journal	National/international
1.	I. Rajkumar, n. Rajini, t. Ram prabhu, sikiru o. Ismail, suchart siengchin, faruq mohammad & hamad a. Al-lohedan.	Applicability of angular orientations of gating designs to quality of sand casting components using two-cavity mould set-up <a href="https://doi.org/10.1007/s12666-021-02434-z">https://doi.org/10.1007/s12666-021-02434-z</a>	Transactions of the indian institute of metals	National
2.	j. David gnanaraj, s. Mothilal, v. Vignesh, t. Karthick, sikiru o. ismail, n. Rajini, b. Raja mohamed rabi, suchart siengchin & faruq mohammad .	Investigation into mechanical , thermal and water absorption behaviors of cocos nucifera shell filer reinforced vinyl ester polymeric composite 30, 2142–2154 (2022). <a href="https://doi.org/10.1007/s10924-021-02343-8">https://doi.org/10.1007/s10924-021-02343-8</a>	J polym environ	National
3.	V. Vignesh , a.n. balaji , B.raja mohamed Rabi , n. Rajini , n. Ayrilmis , m.k.v. karthikeyan , faruq mohammad , sikiru oluwarotimi ismail , hamad a. Al-lohedan.	Cellulosic fiber based hybrid composites: a comparative investigation into their structurally influencing mechanical properties <a href="https://doi.org/10.1016/j.conbuildmat.2020.121587">https://doi.org/10.1016/j.conbuildmat.2020.121587</a>	Construction and building materials	National
4.	c kailasanathan, p r rajkumar, n rajini, g d sivakumar, t ramesh, sikiru oluwarotimi ismail, faruq mohammad & hamad a al-lohedan .	Characterization and optimization of influence of mos2 hybridization on tribological behaviours of mg–b4c <b>44</b> , 192 (2021). <a href="https://doi.org/10.1007/s12034-021-02423-4">https://doi.org/10.1007/s12034-021-02423-4</a>	Composites bull mater sci	National

5.	K. Ganesan , c. Kailasanathan , n. Rajini , sikiru o. Ismail , nadir ayrilmis , faruq mohammad , hamad a. Al-lohedan , ahmed m. Tawfeek , zuheir a. Issa , daifallah m. Aldhayan .	Assessment on hybrid jute/coir fibers reinforced polyester composite with hybrid fillers under different environmental conditions volume 301, 27 september 2021, 124117 <a href="https://doi.org/10.1016/j.conbuildmat.2021.124117">https://doi.org/10.1016/j.conbuildmat.2021.124117</a>	Construction and building materials	National
6.	I. Rajkumar , n. Rajini , suchart siengchin , sikiru oluwarotimi ismail , faruq mohammad , hamad a. Al-lohedan , ahmed m. Tawfeek , zuheir a. Issa .	Effects of sand and gating architecture on the performance of foot valve lever casting components used in pump industries volume 15, november–december 2021, pages 1653-1666 <a href="https://doi.org/10.1016/j.jmrt.2021.08.125">https://doi.org/10.1016/j.jmrt.2021.08.125</a>	Journal of materials research and technology	National
7.	K. Senthilkumar , n. Saba , m. Chandrasekar , m. Jawaid , n. Rajini , suchart siengchin , nadir ayrilmis , faruq mohammad , hamad a. Al-lohedan.	Compressive, dynamic and thermo-mechanical properties of cellulosic pineapple leaf fibre/polyester composites: influence of alkali treatment on adhesion volume 106, april 2021, 102823 <a href="https://doi.org/10.1016/j.jadhadh.2021.102823">https://doi.org/10.1016/j.jadhadh.2021.102823</a>	International journal of adhesion and adhesives	National
8.	sivasubramanian palanisamy, kalimuthu mayandi, murugesan palaniappan, azeez alavudeen, nagarajan rajini, felipe vannucchi de camargo, nagarajan rajini,	Mechanical properties of phormium tenax reinforced natural rubber composites <b>2021, 9(2), 11; <a href="https://doi.org/10.3390/fib9020011">https://doi.org/10.3390/fib9020011</a></b>	Fibers(mdpi)	National
9.	sivasubramanian palanisamy, kalimuthu mayandi, murugesan palaniappan, azeez alavudeen, nagarajan rajini, nagarajan rajini,	Effect of alkali treatment on the properties of acacia caesiabark fibres <i>fibers</i> <b>2021, 9(8),</b>	Fibers(mdpi)	National

		49; <a href="https://doi.org/10.3390/fib9080049">https://doi.org/10.3390/fib9080049</a>		
10.	sethu ramalingam piramanayagam, mayandi kalimuthu, rajini nagarajan, abdul munaf abdul karim sait, rajesh kann krishnamoorthy.	Experimental investigation and statistical analysis of additivelymanufactured onyx-carbon fiber reinforced composites 16 december 2020 <a href="https://doi.org/10.1002/app.50338">https://doi.org/10.1002/app.50338</a>	Journal of applied polymer science	National
11.	nadir ayrilmis, elif yurttas, ali durmus, ferhat ozdemir, rajini nagarajan, mayandi kalimuthu & manja kitek kuzman.	Properties of biocomposite films from pla and thermally treated wood modified with silver nanoparticles using leaf extracts of oriental sweetgumj <i>polym environ</i> <b>29</b> , 2409–2420 (2021). <a href="https://doi.org/10.1007/s10924-021-02065-x">https://doi.org/10.1007/s10924-021-02065-x</a>	Journal of polymers and the environment	National
12.	mayandi kalimuthu, murugesan palaniappan, azeez alavudeen, nagarajan rajini, carlo santulli, faruq mohammad, hamad al-lohedan.	Characterization of acacia caesia bark fibers (acbfbs) pages 10241-10252   published online: 01 nov 2021 <a href="https://doi.org/10.1080/15440478.2021.1993493">https://doi.org/10.1080/15440478.2021.1993493</a>	Journal of natural fibers	National
13.	M adam khan, hargovind soni, pm mashinini and m uthayakumar.	Abrasive water jet cutting process form machining metals andcomposites for engineering applications: a review2021 <i>eng. Res. Express</i> <b>3</b> 022004 <a href="https://iopscience.iop.org/article/10.1088/2631-8695/abfe98">https://iopscience.iop.org/article/10.1088/2631-8695/abfe98</a>	Engineering research express	National

14.	k. Thavasilingam, a. Senthil kumar, m. Adam khan, s. Devanand & k. Giridharan .	Effect of fumed silica in rice bran wax-epoxy coating on aluminum substrate: mechanical, thermal, and water absorption properties published: 01 september 2021 <a href="https://doi.org/10.1007/s13399-021-01889-w">https://doi.org/10.1007/s13399-021-01889-w</a>	Biomass conversion and biorefinery	National
15.	A. Sujin jose , a. Athijayamani , s.p. jani , v. Mago stalany , m. Adam khan .	Investigations on mechanical properties of bio-waste microparticles reinforced phenol formaldehyde composites arch.. 67 (2022), 1, 377-384 Doi: <a href="https://doi.org/10.24425/aamm.2022.137768">https://doi.org/10.24425/aamm.2022.137768</a>	Metall mater	National
16.	avinash shinde, i. Siva, yashwant munde, vishal deore mohamed thariq hameed sultan, ain umaira md shah, and faizal mustapha	Testing of silicon rubber/montmorillonite nanocomposite for mechanical and tribological performance 2021 nov; 11(11): 3050. <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/pmc8625158/">https://www.ncbi.nlm.nih.gov/pmc/articles/pmc8625158/</a>	Nanomaterials (basel)	National
17.	shinde avinash, siva irulappasamy, chithirai pon selvan, mth sultan, lee seng hua, yashwant munde.	Abrasive machining characteristics and prediction model for sisal/polyester sandwich composite pages 7956-7972   published online: 14 sep 2021 <a href="https://doi.org/10.1080/15440478.2021.1958427">https://doi.org/10.1080/15440478.2021.1958427</a>	Journal of natural fibers	National

18.	eduardo fischer kerche,agnè kairytè,sylwia członka,vinícius demétrio da silva,nicholas alves salles,henri stephan schrekker,sandro campos amico	Aramid pulp treated with imidazolium ionic liquids as a filler in rigid polyurethane bio-foams <i>polymers</i> <b>2023</b> , <i>15</i> (2), 333; <a href="https://doi.org/10.3390/polym15020333">https://doi.org/10.3390/polym15020333</a>	Journal of applied polymer science	International
19.	anushraj b,j t winowlin jappes,adam khan,dillibabu vijayakumar&brintha nc.	Solid particle erosion studies on heat treated su718 alloy developed through dmils processed additive manufacturing pages 2672-2683   accepted 03 jun 2021 <a href="https://doi.org/10.1080/2374068x.2021.1939550">https://doi.org/10.1080/2374068x.2021.1939550</a>	Advances in materials and processing technologies	National
20.	j. T. Winowlin jappes, n. C. Brintha & m. Adam khan .	Efect of magnetic field, heat treatment and dry wear analysis on electroless nickel deposits <i>j bio tribo corros</i> <b>7</b> , 20 (2021). <a href="https://doi.org/10.1007/s40735-020-00434-y">https://doi.org/10.1007/s40735-020-00434-y</a>	Journal of bio-and tribo-corrosion volume	National
21.	B. Anush raj , j.t. winowlin jappes , m. Adam khan , v. Dillibabu , n.c. brintha.	Studies on su718 alloy developed using laser sintering on the additive manufacturing process volume 229, march 2021, 166252 <a href="https://doi.org/10.1016/j.jleo.2020.166252">https://doi.org/10.1016/j.jleo.2020.166252</a>	Metals(mdpi)	National

22.	Milan s, t christopher, a manivannan, k mayandi and j t winowlin jappes	Mechanical and thermal properties of a novel spinifex littoreus fiber reinforced polymer composites as an alternate for synthetic glass fiber composites  10.1088/2053-1591/abe73d  <a href="https://iopscience.iop.org/article/10.1088/2053-1591/abe73d">https://iopscience.iop.org/article/10.1088/2053-1591/abe73d</a>	Materials research express	National
23.	kinga korniejenko, barbara kozub, agnieszka bąk, ponnambalam balamurugan, marimuthu uthayakumar and gabriel furtoş.	Tackling the circular economy challenges-composites recycling: used tyres, wind turbine blades, and solar panels <b>2021</b> , 5(9), 243; <a href="https://doi.org/10.3390/jcs5090243">https://doi.org/10.3390/jcs5090243</a>	J. Compos. Science	National
24.	janusz walter, marimuthu uthayakumar, ponnambalam balamurugan and dariusz mierzwiński.	The variable frequency conductivity of geopolymers during the long aging period <i>materials</i> <b>2021</b> , 14(19), 5648; <a href="https://doi.org/10.3390/ma14195648">https://doi.org/10.3390/ma14195648</a>	Materials	National
25.	D. Jinil persis, v.g. venkatesh, v. Raja sreedharan, yangyan shi, bathrinath sankaranarayanan.	Modelling and analysing the impact of circular economy; internet of things and ethical business practices in the vuca world: evidence from the food processing industry volume 301, 10 june 2021,	Journal of cleaner production	National

		126871 <a href="https://doi.org/10.1016/j.jclepro.2021.126871">https://doi.org/10.1016/j.jclepro.2021.126871</a>		
26.	Koppiahraj karuppiah , bathrinath sankaranarayanan , syed mithun ali , charbel jose chiappetta jabbour , r.k.a. bhalaji.	Inhibitors to circular economy practices in the leather industry using an integrated approach: implications for sustainable development goals in emerging economies volume 27, july 2021, pages 1554-1568 <a href="https://doi.org/10.1016/j.jsc.2021.03.015">https://doi.org/10.1016/j.jsc.2021.03.015</a>	Sustainable production and consumption	National
27.	Koppiahraj karuppiah , bathrinath sankaranarayanan , syed mithun ali.	Onsustainable predictive maintenance: exploration of keybarriers Using an integrated approach volume 27, july 2021, pages 1537-1553 <a href="https://doi.org/10.1016/j.jsc.2021.03.023">https://doi.org/10.1016/j.jsc.2021.03.023</a>	Sustainable production and consumption	National
28.	k. Koppiahraj, s. Bathrinath, v. G. Venkatesh, venkatesh mani & yangyan shi .	Optimal sustainability assessment method selection:a practitioner perspective <i>ann oper res</i> (2021). <a href="https://doi.org/10.1007/s10479-021-03946-z">https://doi.org/10.1007/s10479-021-03946-z</a>	Annals of operations research	National

29.	koppiahraj karuppiah,bathrinath sankaranarayanan,syed mithun ali and sanjoy kumar paul.	Key challenges to sustainable humanitarian supply chains:lessons from the covid-19 pandemic <b>2021</b> , <i>13</i> (11), 5850; <a href="https://doi.org/10.3390/su13115850">https://doi.org/10.3390/su13115850</a>	Sustainability	National
30.	koppiahraj karuppiah, bathrinath sankaranarayanan, syed mithun ali.	Exploring key enablers of sustainable transportation in small-and medium-sized manufacturing enterprises vol. 51 no. 11, pp. 3394-3418. <a href="https://doi.org/10.1108/k-05-2021-0416">https://doi.org/10.1108/k-05-2021-0416</a>	Emerald discover journals	National
31.	sayem ahmed, hasin md. Muhtasim taqi, yeasir iqbal farabi, mohiuddin sarker, syed mithun ali & bathrinath sankaranarayanan .	Evaluation of flexible strategies to manage the covid-19 pandemic in the education sector <b>volume 22</b> , pages 81–105 (2021) <a href="https://link.springer.com/article/10.1007/s40171-021-00267-9">https://link.springer.com/article/10.1007/s40171-021-00267-9</a>	Global journal of flexible systems management	National
32.	koppiahraj karuppiah,bathrinath sankaranarayanan&syed mithun ali.	Evaluation of suppliers in the tannery industry based on emergy accounting analysis: implications for resource conservation in emerging economies pages 1-14 22 sep 2021 <a href="https://doi.org/10.1080/19397038.2021.1982066">https://doi.org/10.1080/19397038.2021.1982066</a>	International journal of sustainable engineering	International



33.	R.k.a. bhalaji, bathrinath sankaranarayanan, shahriar tanvir alam, niamat ullah ibne hossain, syed mithun ali & koppiahraj karuppiyah.	A decision support model for evaluating risks in a collaborativesupply chain of the medical equipment manufacturing industry pages 227-251 <a href="https://doi.org/10.1080/16258312.2021.1989268">https://doi.org/10.1080/16258312.2021.1989268</a>	Supply chain forum: an international journal	National
34.	K. Vijayrakesh, s. Muthuvel, g.r. gopinath, syed shuibul qarnain, s. Bathrinath.	Experimental investigation of the performance of paraffin wax-packed floor on a solar dryer volume 43, november 2021, 103163 <a href="https://doi.org/10.1016/j.est.2021.103163">https://doi.org/10.1016/j.est.2021.103163</a>	Journal of energy storage	National
35.	syed shuibul qarnain, s. Muthuvel & bathrinath sankaranarayanan.	Analysis of energy conservation factors in buildings using interpretive structural modelling methodology: an indian perspective <b>102</b> , pages43–61 (2021) <a href="https://link.springer.com/article/10.1007/s40030-020-00483">https://link.springer.com/article/10.1007/s40030-020-00483</a>	Journal of the institution of engineers (india): series a	National
36.	A. Perumal, a. Azhagurajan, s. Kumar, r. Prithivirajan, s. Baskaran, p.rajkumar, c. Kailasanathan, g.venkatesan.	Influence of optimization techniques on wire electrical discharge machining of ti-6al-2sn-4zr-2mo alloy using modelling apporach doi:10.1007/s10904-021-01953-y <a href="https://doi.org/10.1016/j.est.2021.103163">https://doi.org/10.1016/j.est.2021.103163</a>	Journal of inorganic and organometallic polymers and materials	National

37.		Polymers manuscript id: polymers -1320477 – accepted for publication	Polymers(mdpi )	National
38.	Zihni alp çevik, abdullah hasan karabacak, metin kök, aykut canakçı, s suresh kumar, and temel varol.	The effect of machining processes on the physical and surface characteristics of aa2024-b4c-sic hybrid nanocomposites fabricated by hot pressing method volume 55, issue 19 <a href="https://doi.org/10.1177/0021998321996419">https://doi.org/10.1177/0021998321996419</a>	Journal of composite materials	International
39.	sharmili pandian, manickam mahendran, shanmugavel rajesh & ramalingam chokkalingam.	Effect of magnetic field on the viscous behaviour of iron particles suspended silicone additive based magnetoheological fluids <b>96</b> , pages2303–2311 (2022) <a href="https://link.springer.com/article/10.1007/s12648-021-02148-4">https://link.springer.com/article/10.1007/s12648-021-02148-4</a>	Indian journal of physics	National
40.	s senthil kumar, r sudhakara pandian, p pitchipoo, s rajakarunakaran and s rajesh.	Investigation of al-mg based composite incorporated with mos2 through powder metallurgy volume 235, issue 4 <a href="https://doi.org/10.1177/0954408920985761">https://doi.org/10.1177/0954408920985761</a>	Journal of process mechanical engineering	National
41.	ajithram arivendan, winowlin jappes, siva irulapasamy, adamkhan, brintha chrish.	Extraction and characterization of natural aquatic plant fiber, powder and ash from water hyacinth (eichhornia crassipes) as reinforcement of fiber, powder, and ash reinforced polymer composite volume 19, 2022 - issue 14 <a href="https://orcid.org/0000-0002-0252-708x">https://orcid.org/0000-0002-0252-708x</a>	Journal of natural fibers	National

42.	Gopinath radhakrishnan govindan, muthuvel sattanathan, muthukannan muthiah, sudhakara pandian ranjitharamasamy & muthu manokar athikesavan.	Performance analysis of a novel thermal energy storage integrated solar dryer for drying of coconuts <b>29</b> , pages 35230–35240 (2022) <a href="https://link.springer.com/article/10.1007/s11356-021-18052-7">https://link.springer.com/article/10.1007/s11356-021-18052-7</a>	Environmental science and pollution research	National
43.	G.r. gopinath , s. Muthuvel , m. Muthukannan , r. Sudhakarapandian , b. Praveen kumar , ch. Santhan kumar , sudhakar babu thanikanti.	Design, development, and performance testing of thermal energy storage based solar dryer system for seeded grapes volume 51, june 2022, 101923 <a href="https://doi.org/10.1016/j.seta.2021.101923">https://doi.org/10.1016/j.seta.2021.101923</a>	Environmental science and pollution research	National
44.	c shyamlal ,s rajesh,and s suresh kumar.	A comprehensive review on the effect of precipitation on mechanical properties of friction stir welded aluminium alloys volume 235, issue 22 <a href="https://doi.org/10.1177/09544062211011519">https://doi.org/10.1177/09544062211011519</a>	Journal of process mechanical engineering	National
45.	K. Velmurugan,p. Venkumar,and r. Sudhakarapandian.	Performance analysis of tyre manufacturing system in thesmes using ramd approach volume 2021   article id 6616037   <a href="https://doi.org/10.1155/2021/6616037">https://doi.org/10.1155/2021/6616037</a>	Mathematical problems in engineering	National
46.	vigneshwaranshanmugam,m.uthayakumar, v. Arumugaprabu, m.s. abdul majid.	A study on erosion wear behavior of alkaline and silanemodified coconut sheath and red mud reinforced hybrid composites volume 19,2022 <a href="https://orcid.org/0000-0002-7872-2623">https://orcid.org/0000-0002-7872-2623</a>	Journal of natural fibers	National

47.	Shanmugam vigneshwaran, km john, r deepak joel johnson, marimuthu uthayakumar, v arumugaprabu and sundaresan t kumaran.	Conventional and unconventional machining performance of natural fibre-reinforced polymer composites: a review volume 40, issue 15-16 <a href="https://doi.org/10.1177/0731684420958103">https://doi.org/10.1177/0731684420958103</a>	Journal of reinforced plastics and composites	National
48.	Ajith subbiah, sivapragasam chandrasekaran, arumugaprabu veerasimman.	Experimental investigations to promote better adaptability of safety helmets using jute fiber reinforced polyester composites – a waste utilization approach volume 19, 2022 <a href="https://doi.org/10.1080/15440478.2021.1889438">https://doi.org/10.1080/15440478.2021.1889438</a>	Journal of natural fibers	National
49.	Vigneshwaran shanmugam, oisik das, karthik babu, uthayakumar marimuthu, arumugaprabu veerasimman, deepak joel johnson, rasoul esmaeely neisiany, mikael s. Hedenqvist, seeram ramakrishna, filippo berto.	Fatigue behaviour of fdm-3d printed polymers, polymeric composites and architected cellular materials volume 143 <a href="https://doi.org/10.1016/j.jfat">https://doi.org/10.1016/j.jfat</a>	International journal of fatigue	National
50.	Arumugaprabu veerasimman, vigneshwaran shanmugam, sundarakannan rajendran, deepak joel johnson, ajith subbiah, john koilpichai, uthayakumar marimuthu.	Thermal properties of natural fiber sisal based hybrid composites – a brief review, pages 4696-4706 <a href="https://doi.org/10.1080/15440478.2020.1870619">https://doi.org/10.1080/15440478.2020.1870619</a>	Journal of natural fibers	National
51.	Vigneshwaran shanmugam, deepak joel johnson rajendran, karthik babu, sundarakannan rajendran, arumugaprabu veerasimman, uthayakumar marimuthu, sunpreet singh, oisik das, rasoul esmaeely neisiany, mikael s. Hedenqvist, filippo berto, seeram ramakrishna.	The mechanical testing and performance analysis of polymer-fibre composites prepared through the additive manufacturing volume 93, january 2021, 106925 <a href="https://doi.org/10.1016/j.polymertesting.2020.106925">https://doi.org/10.1016/j.polymertesting.2020.106925</a>	Lulea university of technology	National

52.	e manikandan, k mayandi , m sivasubramanian, n rajini, s rajesh, l muthulakshmi, and ahmad rashedi.	A comprehensive review on the impact of nanofluid in solar photovoltaic/thermal system volume 236, issue 9 <a href="https://doi.org/10.1177/09544062211055651">https://doi.org/10.1177/09544062211055651</a>	Journal of mechanical engineering science	National
53.	velmurugan ganesan, vigneshwaran shanmugam, babu kaliyamoorthy, sekar sanjeevi, suresh kumar shanmugam. vasudevan alagumalai, yoganandam krishnamoorthy, michael försth, gabriel sas, seyed mohammad javad razavi, Andoisik das.	Optimisation of mechanical properties in saw-dust/woven-jute fibre/polyester structural composites under liquid nitrogen environment using response surface methodology <i>polymers</i> <b>2021</b> , <i>13</i> (15), 2471; <a href="https://doi.org/10.3390/polym13152471">https://doi.org/10.3390/polym13152471</a>	Polymers(mdpi)	National
54.	I. Rajkumar, n. Rajini.	Metal casting modeling software for small scale enterprises to improve efficacy and accuracy volume 46, part 17, 2021, pages 7866-7870 <a href="https://doi.org/10.1016/j.matpr.2021.02.542">https://doi.org/10.1016/j.matpr.2021.02.542</a>	International journal of simulation modelling	National
55.	I. Rajkumar, n. Rajini.	Influence of parameters on the smart productivity of modern metal casting process: an overview volume 47, part 11, 2021, pages 2694-2700 <a href="https://doi.org/10.1016/j.matpr.2021.03.003">https://doi.org/10.1016/j.matpr.2021.03.003</a>	Science direct	National
56.	zahoor ahmed shariff, lokesh m., k. Mayandi, a. K. Saravanan, p. Sethu ramalingam, s. K. Rajesh kannan.	A hybrid multi-objective optimization of 3d printing process parameters using genetic algorithm <b>2395</b> , 050008 (2021); <a href="https://doi.org/10.1063/5.0068209">https://doi.org/10.1063/5.0068209</a>	Aip publishing conference proceedings	National

57.	k. Mayandi, jinka rupesh kumar, k. Kanagaraja, p. Sethu ramalingam, s. K. Rajesh kann, g. Suresh.	Experimentation of multi directional fan blade model using fused deposition modeling process <b>2395</b> , 050012 (2021); <a href="https://doi.org/10.1063/5.0068260">https://doi.org/10.1063/5.0068260</a>	Aip publishing conference proceedings	National
58.	P. Sethu ramalingam , k. Mayandi , v. Balasubramanian, k. Chandrasekar , v. Mago stalany , a. Abdul munaf.	Effect of 3d printing process parameters on the impact strength of onyx – glass fiber reinforced composites volume 45, part 7, 2021, pages 6154-6159 <a href="https://doi.org/10.1016/j.matpr.2020.10.467">https://doi.org/10.1016/j.matpr.2020.10.467</a>	Semantic scholar	National
59.	M. Manoj prabhakar , a.k. saravanan , a. Haiter lenin , i. Jerin leno, k. Mayandi , p. Sethu ramalingam.	A short review on 3d printing methods, process parameters and materials volume 45, part 7, 2021, pages 6108-6114 <a href="https://doi.org/10.1016/j.matpr.2020.10.225">https://doi.org/10.1016/j.matpr.2020.10.225</a>	Semantic scholar	National
60.	S.p. jani , a. Senthil kumar , m. Adam khan , a. Sujin jose.	Design and optimization of unit production cost for awj process on machining hybrid natural fibre composite material volume 4, issue 4, december 2021 <a href="https://doi.org/10.1016/j.ijlmm.2021.07.002">https://doi.org/10.1016/j.ijlmm.2021.07.002</a>	Journal of materials processing technology	National

61.	M. Adam khan , s.p. jani , a. Senthil kumar , s. Rajesh.	Machining parameter optimization using adam e gene algorithmwhile turning lightweight composite using ceramic cutting toolsvolume 4, issue 2, june 2021 <a href="https://doi.org/10.1016/j.ijlmm.2020.12.005">https://doi.org/10.1016/j.ijlmm.2020.12.005</a>	Indian academy of sciences	National
62.	V. Subbian , s. Siva kumar , k. Chaithanya , sujin jose arul , gopal kaliyaperumal , khan m. Adam.	Optimization of solar tunnel dryer for mango slice using response surface methodologyvolume 46, part 17, 2021 <a href="https://doi.org/10.1016/j.matpr.2021.02.382">https://doi.org/10.1016/j.matpr.2021.02.382</a>	Advances in design and thermal systems	National
63.	S. Sivakumar , m. Adam khan , g. Ebenezer , d. Chellaganesh, v. Vignesh.	A review: machinability studies on human implant materialsvolume 46, part 17, 2021 <a href="https://doi.org/10.1016/j.matpr.2020.12.1007">https://doi.org/10.1016/j.matpr.2020.12.1007</a>	<u>journal</u> materials today proceedings	National
64.	Dinesh babu c, adam khan m, uthayakumar m.	Ced productivity improvement through conveyor jig density optimizationvolume 52, part 3, 2022 <a href="https://doi.org/10.1016/j.matpr.2021.06.156">https://doi.org/10.1016/j.matpr.2021.06.156</a>	<u>journal</u> materials today proceedings	National
65.	J.t. winowlin jappes , n.c. brintha , m. Adam khan , n. Johnny christo.	Effect of modified method of coating on particle incorporationand wear resistance of nickel – phosphorus – diamond composite coatingsvolume 45, part 2, 2021 <a href="https://doi.org/10.1">https://doi.org/10.1</a>	<u>journal</u> materials today proceedings	National

		016/j.matpr.2020.07.673		
66.	Tapan k. Mahanta , ratna raju lam, yogeswar chakrapani, siva irulappasamy, ravikumar dumpala, b. Ratna sunil.	Machining characteristics of al6063 composites reinforced withsic particlesvolume 50, part 5, 2022https://doi.org/10.1016/j.matpr.2021.10.235	Materials research express	National
67.	D. Sivakumar1 , n.m. ishak1 , n.l. feng1 , r. Nadlene1 , a.f. ab. Ghani2 , and i. Siva.	Selection of materials for natural fibre metal laminates usingintegrated cambridge engineering selector and pugh methodvol. 740, pp. 75–80, 2017. <a href="https://jamt.utem.edu.my">https://jamt.utem.edu.my</a>	Journal ofadvancedmanufacturingtechnology (jamt)	National
68.	Harshad pingulkar , ashok mache , yashwant munde , i. Siva.	A comprehensive review on drop weight impact characteristics of bast natural fiber reinforced polymer compositesvolume 44, part 5, 2021https://doi.org/10.1016/j.matpr.2020.12.925	Polymers(mdpi )	National
69.	i. Siva,avinash shinde, i. Sankar, chithirai pon selvan & m. T. H. Sultan .	Post impact behavior and compression after impact propertiesof polymers and their composites—a review 23 may 2021https://doi.org/10.1007/978-981-16-1323-4_4	Impact studies of composite materials	National



70.	J.t. winowlin jappes, m. Adam khan, v. Vignesh, b. Chandru, r. Saravan akumar.	Design and simulation of skate scooter made of composite material volume 52, part 3, 2022 <a href="https://doi.org/10.1016/j.matpr.2021.07.463">https://doi.org/10.1016/j.matpr.2021.07.463</a>	Symmetry	National
71.	J.t. winowlin jappes, m. Adam khan, s. Abinaesh ram, r. Tamil amuthan, p.s. harshan.	Numerical analysis of 3d printed inconel 718 superalloy for mechanical properties and solid particle erosion studies volume 52, part 3, 2022, <a href="https://doi.org/10.1016/j.matpr.2021.06.036">https://doi.org/10.1016/j.matpr.2021.06.036</a>	Metals - open access metallurgy journal	National
72.	Dr brintha, adam khan.	Influence of mechanical deflector assisted electroless nickel deposits for wear resistance vol 10 no 4b (2022) <a href="https://doi.org/10.36909/jer.11281">https://doi.org/10.36909/jer.11281</a>	Journal of engineering research	National
73.	S. Niyas , j.t. winowlin jappes , m. Adamkhan , n.c. brintha.	An effective approach to predict the minimum tool wear of machining process of inconel 718 volume 60, part 3, 2022 <a href="https://doi.org/10.1016/j.matpr.2021.12.501">https://doi.org/10.1016/j.matpr.2021.12.501</a>	journal materials today proceedings	National
74.	Anusha viswanadapalli1, j.vijayaraj, s.shivaprasad, vanga mohan aditya reddy, k.parthiban, p.balamurugan.	Efficient data mining model for employees churn prediction and safety measure (2021) 58(1): 1962-1982 <a href="http://psychologyandeducation.net/pae/index.php/pae/article/view/1049/859">http://psychologyandeducation.net/pae/index.php/pae/article/view/1049/859</a>	Psychology and education	National
75.	M.venkata pavana , k. Balamurgana , p. Balamurgan.	Wear experiments on pla-cu composite filament printed in different fdm conditions vol.12 no.9 (2021) <a href="https://doi.org/10.17762/turcomat.v12i9.3699">https://doi.org/10.17762/turcomat.v12i9.3699</a>	Turkish journal of computer and mathematics education (turcomat)	National

76.	mohammed hameeduddin haqqani, mohammed azizuddin, syed shuibul qarnain, s. Bathrinath.	Analysis on different types of spot cooling systems using bestworst methodaip conference proceedings <b>2395</b> , 050002 (2021); <a href="https://doi.org/10.1063/5.0068706">https://doi.org/10.1063/5.0068706</a>	Aip publishing conference proceedings	National
77.	r. K. A. Bhalaji, s. Bathrinath, s. G. Ponnambalam, s. Saravanasankar.	A multi-criteria decision making method to analyze servicequality risks in healthcare industriespp 355–369 <a href="https://link.springer.com/chapter/10.1007/978-981-15-9809-8_29">https://link.springer.com/chapter/10.1007/978-981-15-9809-8_29</a>	Materials, design, and manufacturing for sustainable environment	National
78.	Junaid tippu, s. Saravanasankar, bathrinath sankaranarayanan, syed shuibul qarnain.	Analysis of factors necessitating the need for sustainability in commercial and residential buildings using dematel methodologyaip conference proceedings <b>2395</b> , 050001 (2021); <a href="https://doi.org/10.1063/5.0068704">https://doi.org/10.1063/5.0068704</a>	Aip publishing conference proceedings	National
79.	S. Bathrinath, p. Saravana kumar, s. Venkadesh, s.s. supriyan, k. Koppiahraj, r.k.a. bhalaji.	A fuzzy copras approach for analysing the factors affectingsustainability in ship ports volume 50, part 5, 2022, <a href="https://doi.org/10.1016/j.matpr.2021.07.350">https://doi.org/10.1016/j.matpr.2021.07.350</a>	Materials today: proceedings	National
80.	koppiahraj karuppiah, bathrinath sankaranarayanan & saravanasankar subramaniam.	Evaluation of the barriers in the adoption of automated technology by the manufacturing sector: a case from india 421–429 07 june 2021 <a href="https://link.springer.com/chapter/10.1007/978-981-16-0673-1_35">https://link.springer.com/chapter/10.1007/978-981-16-0673-1_35</a>	Advances in materials and mechanical engineering	National

81.	s. Bathrinath,t. Mahendiran, m. Ravikumar, t. Karthi shesan, r. K. A. Bhalaji & k. Koppiahraj.	Analysis of risk factors in road accidents using fuzzy anpmethod 739–754 07 february 2021 <a href="https://link.springer.com/chapter/10.1007/978-981-15-9809-8_54">https://link.springer.com/chapter/10.1007/978-981-15-9809-8_54</a>	Materials, design, and manufacturing for sustainable environment	National
82.	R.k.a. bhalaji, s. Bathrinath , s.g. ponna mbalam, s. Saravanasankar.	Analyze the factors influencing human-robot interaction usingmcdm method volume 39, part 1, 2021 <a href="https://doi.org/10.1016/j.matpr.2020.06.316">https://doi.org/10.1016/j.matpr.2020.06.316</a>	Materials today: proceedings	National
83.	igor albuquerque maia, césar José deschamps, juan plc salazar.	Experimental investigation for slimming down the acousticlevel in commercial aircraft’s jet november 10-13, 2014 <a href="https://www.researchgate.net/publication/281378120">https://www.researchgate.net/publication/281378120</a>	Acoustic thin metamaterials	International
84.	S. Kavitha, r.saravanan, m. Vairavel.	Energy efficient diffuser design for dawt  vol. 12 no. 7 (2021) <a href="https://tojqi.net/index.php/journal/article/view/4931">https://tojqi.net/index.php/journal/article/view/4931</a>	Turkish online journal of qualitative inquiry	National
85.	K. Arunprasath, p. Amuthakkannan, v. Manikandan, s. Kavitha,b.radhkrishnan.	Study of mechanical properties of copper slag reinforcedparticulate polymer composite 2021 year vol 21 <a href="https://ipme.ru/en/journals/study-of-mechanical-properties-of-copper-slag-reinforced-particulate-polymer-composite.html">https://ipme.ru/en/journals/study-of-mechanical-properties-of-copper-slag-reinforced-particulate-polymer-composite.html</a>	Materials physics and mechanics	National

86.	R. Girimurugan, n. Senniagir, b. Pitchia krishnan, dr.s. Kavitha and m. Vairavel.	Tensile behaviour of hybrid polymer composites – an experimental study <b>1059</b> 012033doi 10.1088 <a href="https://iopscience.iop.org/article/10.1088/1757-899x/1059/1/012033/meta">https://iopscience.iop.org/article/10.1088/1757-899x/1059/1/012033/meta</a>	Iop conference series: materials science and engineering	National
87.	Peng jiang, yee van fan, jirí jaromír klemeš.	Review on government action plans to reduce energy consumption in buildings amid covid -19 pandemic outbreakvolume 285, 1 march 2021 <a href="https://doi.org/10.1016/j.apenergy.2021.116441">https://doi.org/10.1016/j.apenergy.2021.116441</a>	Tvj	International
88.	M. Ayyanar raja , v. Manikandan , s. Suresh kumar , p. Amuthakkannan , i. Balasubramanian , s. Joe patrick gnanaraj , subramania bala jeshurun.	Parametric investigation and optimization of awjm process onstir cast al7075/basalt composite materials using taguchi basedgrey relational analysisvolume 60, part 2, 2022, <a href="https://doi.org/10.1016/j.matpr.2021.09.398">https://doi.org/10.1016/j.matpr.2021.09.398</a>	Materials today: proceedings	National
89.	Suresh kumar s., thirumalai kumaran s., velmurugan g., perumal a, s ekar s., uthayakumar m.	Physical and mechanical properties of various metal matrixcomposite: a reviewvolume 50, part 5, 2022 <a href="https://doi.org/10.1016/j.matpr.2021.07.354">https://doi.org/10.1016/j.matpr.2021.07.354</a>	Materials today: proceedings	National
90.	sekar sanjeevi,vigneshwaran shanmugam, suresh kumar,velmurugan ganesan, gabriel sas,deepak joel johnson, manojkumar shanmugam, athijayamani ayyanar, kakur naresh,rasoul esmaeely neisiany, and oisik das.	Scientific reports:decision on effects of water absorption on the mechanical properties of hybrid natural fibre/phenol formaldehyde composites2021; 11: 13385. <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/pmc823">https://www.ncbi.nlm.nih.gov/pmc/articles/pmc823</a>	National centre for biotrchnology information	National

91.	S.suresh kumar, temel varol, aykut cana kci,s.thirumalai kumaran,m. Uthayakumar.	A review on the performance of the materials by surface modification through edm volume 4, issue 1, march 2021 <a href="https://doi.org/10.1016/j.ijlmm.2020.08.002">https://doi.org/10.1016/j.ijlmm.2020.08.002</a>	International journal of research publication and reviews	National
92.	S. Sivakumar, m. Adam khan, g. Ebenezer , d. Chellaganesh , v. Vignesh.	A review: machinability studies on human implant materials volume 46, part 17, 2021 <a href="https://doi.org/10.1016/j.matpr.2020.12.1007">https://doi.org/10.1016/j.matpr.2020.12.1007</a>	Materials today: proceedings	National
93.	D. Chellaganesh, m. Adam khan, g. Ebenezer, s. Sivakumar.	Erosion studies of ss316l using water jet machine (wjm) for the piping applications volume 46, part 17, 2021 <a href="https://doi.org/10.1016/j.matpr.2020.12.1029">https://doi.org/10.1016/j.matpr.2020.12.1029</a>	Materials today: proceedings	National
94.	I. Rajkumar, k. Subash, t. Raj pradeesh, r. Manikandan, m. Ramaganesh.	Job safety hazard identification and risk analysis in the foundry division of a gear manufacturing industry volume 46, part 17, 2021 <a href="https://doi.org/10.1016/j.matpr.2021.02.326">https://doi.org/10.1016/j.matpr.2021.02.326</a>	Materials today: proceedings	National
95.	M. Ramaganesh , r. Jayasuriyan, t. Rajpradeesh , s. Bathrinath , r. Manikandan.	Ergonomics hazard analysis techniques – technical review volume 46, part 17, 2021 <a href="https://doi.org/10.1016/j.matpr.2021.02.329">https://doi.org/10.1016/j.matpr.2021.02.329</a>	Occupational safety and health administration	National
96.	Ramaganesh marimuthu, bathrinath sankaranarayanan, syed mithun ali, koppiahraj karuppia.	Green recovery strategies for the mining industry of india :lessons learned from the covid-19 pandemic, vol. 16 no. 3, pp. 428-447. <a href="https://doi.org/10.1108/jabs-05-2021-0179">https://doi.org/10.1108/jabs-05-2021-0179</a>	Emerald discover journals	National

97.	Ramaganesh marimuthu , bathrinath sankaranarayanan, syed mithun ali , ana beatriz lopes de sousa jabbour , koppiahraj karuppiah.	Assessment of key socio-economic and environmental challenges in the mining industry: implications for resource policies in emerging economies volume 27, july 2021 <a href="https://doi.org/10.1016/j.spc.2021.02.005">https://doi.org/10.1016/j.spc.2021.02.005</a>	University of lincoln	National
98.	M. Ramaganesh, s. Shiny rebekka, v. Watson , s. Bathrinath , a. Venkata subramanian.	Measurement of hospital efficiency in biomedical wastemanagement, 14 november 2021 <a href="https://doi.org/10.1016/j.matpr.2021.10.415">https://doi.org/10.1016/j.matpr.2021.10.415</a>	Materials today: proceedings	National
99.	M. Ramaganesh, ganapathiraju vikas varma, t. Rajpradeesh , s. Bathrinath.	Spare parts ordering decisions using age based, block based and condition based replacement policies, volume 46, part 17, 2021, <a href="https://doi.org/10.1016/j.matpr.2021.02.43">https://doi.org/10.1016/j.matpr.2021.02.43</a>	Reliability engineering & system safety	National
100.	M. Ramaganesh, t. Raj pradeesh , s. Naresh, p. Venkumar, r. Manikandan.	A case study on hazard identification and risk assessment in sewage treatment plant, volume 46, part 17, 2021, <a href="https://doi.org/10.1016/j.matpr.2021.03.540">https://doi.org/10.1016/j.matpr.2021.03.540</a>	Materials today: proceedings	National
101.	M. Ramaganesh, doguparthi venkata nagesh, s. Bathrinath.	Analysis of air passengers waiting time in airport check in counters, 11 september 2021, <a href="https://doi.org/10.1016/j.matpr.2021.08.332">https://doi.org/10.1016/j.matpr.2021.08.332</a>	Materials today: proceedings	National
102.	R. Manikandan, k. Subash, t. Joshua sujith, r. Jayasuriyan, j. Jerendran, t. Raj pradeesh, s. Rajesh.	Design and development of an industrial firefighting rove volume 45, part 9, 2021, <a href="https://doi.org/10.1016/j.matpr.2020.12.961">https://doi.org/10.1016/j.matpr.2020.12.961</a>	Materials today: proceedings	National

103.	Manikandan rajendran, athul sajeev, rajesh shanmugavel, t. Rajpradeesh.	Ergonomic evaluation of workers during manual materialhandling. volume 46, part 17, 2021, <a href="https://doi.org/10.1016/j.matpr.2021.02.283">https://doi.org/10.1016/j.matpr.2021.02.283</a>	Materials today: proceedings	National
104.	Manikandan rajendran, k. Sriramhariharasudhan, rajesh shanmugavel, t. Rajpradeesh, s. Bathrinath.	Hypothetical study on waste heat recovery and filtration system of cement manufacturing process in cement industry. Volume 46, part 17, 2021. <a href="https://doi.org/10.1016/j.matpr.2021.02.28">https://doi.org/10.1016/j.matpr.2021.02.28</a>	Materials today: proceedings	National
105.	r. Manikandan, p. Pradeep kannan, t. Rajpradeesh & s. Rajesh .	Risk assessment using bow-tie tool in cement industry. 05 february 2021. <a href="https://doi.org/10.1007/978-981-15-8319-3_44">https://doi.org/10.1007/978-981-15-8319-3_44</a>	Advances in materials research	National
106.	D. Saravanan , shrishail b sollapur, s.b. anjappa , chandrabhanu malla , m. Satya prasad , s. Vignesh.	Tribological properties of filler and green filler reinforced polymer composites. Volume 50, part 5, 2022, <a href="https://doi.org/10.1016/j.matpr.2021.09.414">https://doi.org/10.1016/j.matpr.2021.09.414</a>	Materials today: proceedings	National
107.	R. Chalise, p. K. Thakur, j. J. Nakarmi and s. P. Shrestha.	Fabrication of SnO <sub>2</sub> thin film using spray pyrolysis technique-active layer for sensing CO concentration. <i>Jnps</i> , 7 (2), 144-150 (2021) doi: <a href="https://doi.org/10.3126/jnphysoc.v7i2.38635">https://doi.org/10.3126/jnphysoc.v7i2.38635</a>	Isrn nanotechnology	National
108.	Reshmi olayil, v arumugaprabu, oisik das and w a lenin anselm.	A brief review on effect of nano fillers on performance of composites, reshmi olayil <i>et al</i> 2021, <a href="https://iopscience.iop.org/article/10.1088/1757899x/1059/1/012006/meta">https://iopscience.iop.org/article/10.1088/1757899x/1059/1/012006/meta</a>	Iop conference series: materials science and engineering	National

109.	sultan özturk.	Effect of fiber loading on tensile and hardness behaviors ofturkey feather fiber reinforced polyester composites.volume 44, issue 19 <a href="https://doi.org/10.1177/0021998310364265">https://doi.org/10.1177/0021998310364265</a>	International journal of disaster recovery and business continuity	International
110.	J. Manivannan , s. Rajesh , k. Mayandi, n. Rajini, nadir ayrilmis.	Investigation of abrasive water jet machining parameters onturkey fibre reinforced polyester composites, volume 45, part 9, 2021, <a href="https://doi.org/10.1016/j.matpr.2020.12.1059">https://doi.org/10.1016/j.matpr.2020.12.1059</a>	Materials today: proceedings	National
111.	E dinesh r kanniga devi, m muthukannan, j dhesinghraj, m murali, k mayandi.	Banana fibre a golden revolution.volume 30.pages,51-59, <a href="https://scholar.google.com/citations?user=wqxsxomaaaaj&amp;hl=en">https://scholar.google.com/citations?user=wqxsxomaaaaj&amp;hl=en</a>	Materials today: proceedings	National
112.	A. Ajithram , j.t. winowlin jappes, i. Siva , m. Adam khan , n.c. brintha.	Investigation of water,chemical absorption and mechanical properties of water hyacinth (eichhornia crassipes) aquatic plantpowder, ash composites for commercial appications, volume 60, part 3, 2022, pages 1339-1346, <a href="https://doi.org/10.1016/j.matpr.2021.10.019">https://doi.org/10.1016/j.matpr.2021.10.019</a>	Materials today: proceedings	National
113.	sankar .j, suresh kumar shanmugam.	Synthesis of rare earth based pyrochlore structured (a <sub>2</sub> b <sub>2</sub> o <sub>7</sub> ) materials for thermal barrier coatings (tbcs) - a review. Vol. 21 no. 3 (july-september 2021)	Current journal of applied science and technology	National



114.	A. Ajithram , j.t. winowlin jappes, i. Siva , m. Adam khan , n.c. brintha.	Fabrication and corrosion studies of bronze based composite prepared through powder metallurgy route. Volume 50, part 5, 2022, pages 1067-1070. <a href="https://doi.org/10.1016/j.matpr.2021.07.461">https://doi.org/10.1016/j.matpr.2021.07.461</a>	Materials today: proceedings	National
115.	k. Velmurugan, p. Venkumar, pandian r. Sudhakara.	Sme4.0 machine learning framework for real time machine health monitoring system. K velmurugan <i>et al</i> 2021 <b>1911</b> 012026. <a href="https://iopscience.iop.org/article/10.1088/1742-6596/1911/1/012026">https://iopscience.iop.org/article/10.1088/1742-6596/1911/1/012026</a>	J. Phys.: conf. Ser.	National
116.	Reshmi olayil , v. Arumuga prabu , srinivasa dayaprasad , k. Naresh , p.s. rama sreekanth.	A review on the application of bio-nanocomposites for food packaging. Volume 56, part 3, 2022, pages 1302-1306. <a href="https://doi.org/10.1016/j.matpr.2021.11.315">https://doi.org/10.1016/j.matpr.2021.11.315</a>	Materials today: proceedings	National
117.	V. Arumugaprabu , s. Ajith , j. Jerendran , k. Naresh , p.s. rama sreekanth.	Hazard identification and risk assessment using integrated exposure frequency and legislation requirements (hira-fl) in construction sites. Volume 56, part 3, 2022, pages 1247-1250, <a href="https://doi.org/10.1016/j.matpr.2021.11.178">https://doi.org/10.1016/j.matpr.2021.11.178</a>	Materials today: proceedings	National
118.	S. Ajith, v. Arumugaprabu, v. Ajith , k. Naresh , p.s. rama sreekanth.	Hazard identification and risk assessment in firework industry, volume 56, part 3, 2022, pages 1083-1085, <a href="https://doi.org/10.1016/j.matpr.2021.10.102">https://doi.org/10.1016/j.matpr.2021.10.102</a>	Materials today: proceedings	National

119.	s. Rajesh, anish nair,m. Adam khan & n. Rajini.	Hybrid approach for prediction and modelling of abrasivewaterjet machining parameter on al-niti composites, pp 173–193, <a href="https://doi.org/10.1007/978-3-030-50312-3_8">https://doi.org/10.1007/978-3-030-50312-3_8</a>	Intelligent manufacturing	National
120.	S. Vignesh , j.t. winowlin jappes , s. Nagaveena , k. Sankaranarayanan , r. Krishna sharma , n.c. brintha.	A study on mechanical and dielectric properties of b4c and aldispersed single-layered epoxy based polymer composites fabricated through molding and curing route. 2022 yearvol 48 issue 3, <b>pages:</b> 328-341, <a href="https://10.18149/mpm.4832022_4">https://10.18149/mpm.4832022_4</a>	Materials physics and mechanics	National
121.	A perumal, a azhagurajan, s suresh kumar, r prithivirajan, s baskaran,pr rajkumar, c kailasanathan, g venkatesan.	Influence of optimization techniques on wire electrical discharge machining of ti–6al–2sn–4zr–2moalloy using modeling approach. Journal of inorganic and organometallic polymers and materials 31 (2021): 3272-3289	Journal of inorganic and organometallic polymers and materials article	National

122.	Zihni alp çevik, abdullah hasan karabacak, metin kök, aykut canakçı, s suresh kumar, temel varol.	The effect of machining processes on the physical and surface characteristics of aa2024-b4c-sic hybrid nanocomposites fabricated by hot pressing method, journal of composite materials 55 (2021), 2657-2671,page no 515.	Journal of composite materials	International
123.	S sekar, s vigneshwaran, s suresh kumar, g velmurugan, gabriel sas, deepak joel johnson, s manojkumar shanmugam, a athijayamani, kakur naresh, rasoul esmaeely neisiany, oisik das.	Effects of water absorption on the mechanical properties of hybrid natural fibre/phenol formaldehyde composites, scientific reports 11 (2021), 1-11.	Scientific reports	National
124.	S suresh kumar, temel varol, aykut canakci, s thirumalai kumaran, m uthayakumar.	A review on the performance of the materials by surface modification through edm. International journal of lightweight materials and manufacture. 4 (2021), 127-144.	International journal of lightweight materials and manufacture	National

125.	G velmurugan, s vigneshwaran, k babu, s sekar, s suresh kumar, a vasudevan, yoganandam krishnamoorthy, michael försth, gabriel sas, seyed mohammad javad razavi.	Optimisation of mechanical properties in saw-dust/woven-jute fibre/polyester structural composites under liquid nitrogen environment using response surface methodology. Polymers 13 (2021) 2471.	Polymers(mdpi )	National
126.	sekar sanjeevi,vigneshwaran shanmugam,suresh kumar, velmurugan ganesan, gabriel sas, deepak joel johnson, manojkumar shanmugam, athijayamani ayyanar, kakur naresh, rasoul esmaeely neisiany & oisik das.	Effects of water absorption on the mechanical properties of hybrid natural fibre/phenol formaldehyde composites, scientific reports 11 (2021), 1-11. <a href="https://doi.org/10.1080/15440478.2020.1788487">https://doi.org/10.1080/15440478.2020.1788487</a>	Scientific reports	National
127.	S suresh kumar, temel varol, aykut canakci, s thirumalai kumaran, m uthayakumar.	A review on the performance of the materials by surface modification through edm. International journal of lightweight materials and manufacture, 4 (2021), 127-144. <a href="https://doi.org/10.1016/j.ijlmm.2020.08.002">https://doi.org/10.1016/j.ijlmm.2020.08.002</a>	International journal of lightweight materials and manufacture	National

128.	G velmurugan, s vigneshwaran, k babu, s sekar, s suresh kumar, a vasudevan, yoganandam krishnamoorthy, michael försth, gabriel sas, seyed mohammad javad razavi.	Oisik das optimisation of mechanical properties in saw-dust/woven-jute fibre/polyester structural composites under liquid nitrogen environment using response surface methodology. <i>Polymers</i> <b>2021</b> , <i>13</i> (15), 2471; <a href="https://doi.org/10.3390/polym13152471">https://doi.org/10.3390/polym13152471</a>	Polymers(mdpi )	National
129.	M ayyanar raja, v manikandan, s suresh kumar, p amuthakkannan, i balasubramanian, s joe patrick gnanaraj, subramania bala jeshurun.	Parametric investigation and optimization of awjm process on stir cast al7075/basalt composite materials using taguchi based grey relational analysis. Volume 60, part 2, 2022, pages 815-821 <a href="https://doi.org/10.1016/j.matpr.2021.09.398">https://doi.org/10.1016/j.matpr.2021.09.398</a>	Materials today: proceedings	National
130.	S suresh kumar, s thirumalai kumaran, g velmurugan, a perumal, s sekar, m uthayakumar.	Physical and mechanical properties of various metal matrix composites. Volume 50, part 5, 2022, pages 1022-1031 <a href="https://doi.org/10.1016/j.matpr.2021.07.354">https://doi.org/10.1016/j.matpr.2021.07.354</a>	Materials today: proceedings	National

131.	fei luan, zongyan cai, shuqiang wu, tianhua jiang, fukang li, jia yang.	Chaoticwhale optimization Algorithm for flexible jobshop scheduling problem <b>2019</b> , 7(5), 384; <a href="https://doi.org/10.3390/math7050384">https://doi.org/10.3390/math7050384</a>	Mathematics(m dpi)	International
132.	N. C. Brintha , g. Ebenezer, a. Francis saviour devaraj , c. Sivapragasam , j. T. Winowlin jappes.	Improving student outcome through flexibility inteaching and evaluation methodsyear: 2020, <b>volume:</b> 34, <b>issue:</b> special issue, <b>pages:</b> 380-383 <b>doi:</b> 10.16920/jeet/2021/v34i0/157183	Journal of engineering education transformations	National
133.	Ebenezer george , adam khan m., chellaganesh duraipandi , winowlin jappes j.t. , julfikar haider .	Assessing machinability and surface characteristics ofa shape memory alloy (sma) processed through wire Electro spark erosion methodarch. 67 (2022), 3, 921-930. Arch. Metall. Mater. 67 (2022), 3, 921-930	Metall mater.	National
134.	D.saravanan, shrishail b sollapur s.b.anjappa, chandrabhanu malla, m.satya prasad,arunprasath k, s.vignesh.	Tribological properties of filler and green filler reinforced polymer composites,volume 50, part 5, 2022, pages 2065-2072	Materials today proceedings	National

135.	S. Bathrinath, n. Abuthakir, k. Koppiahraj, s. Saravanasankar, t. Rajpradeesh, r. Manikandan.	An initiative towards sustainability in the petroleum industry volume 46, part 17, 2021, pages 7798-7802 <a href="https://doi.org/10.1016/j.matpr.2021.02.330">https://doi.org/10.1016/j.matpr.2021.02.330</a>	Materials today proceedings	National
136.	R.k.a. bhalaji, s. Bathrinath, s. Saravanasankar.	A fuzzy vikor method to analyze the risks in lean manufacturing implementation volume 45, part 2, 2021, pages 1294-1299 <a href="https://doi.org/10.1016/j.matpr.2020.05.123">https://doi.org/10.1016/j.matpr.2020.05.123</a>	Mathematical problems in engineering	National
137.	Sankaranarayanan, b., rahul, k., pradeep, j., ponnambalam, s. G., & saravanasankar.	Evaluation of influence of principles involved in industry 4.0 over coal industries using tism in <i>research anthology on cross-industry challenges of industry 4.0</i> (pp. 926-940)	Igi global publisher of timely knowledge	National