

## Citations and List of Publications : 2019 - 2023

Department of Metallurgy and Materials Engineering

COEP Technological University Pune

Sr. No.	Name	Google Scholar			Scopus	
		Citations	H index	i10 index	Citations	H index
1	Shashikant Tukaram Vagge	247	8	7	181	7
2	Narendra Babanrao Dhokey	750	14	22	578	13
3	Sandeep Prabhakar Butee	194	8	7	173	8
4	Manoj J. Rathod	566	9	8	374	8
5	Suvarna U. Dangarikar	3	1	0	2	1
6	Manisha G Kulthe	64	4	2	39	3
7	Vijay T. Thavale	9	1	0	0	1
8	Abhishek Mukund More	155	5	5	140	5
9	Pravin P. Deshpande	757	10	10	561	9
10	Kaustubh R. Kambale	211	8	6	184	7
11	Vaishali P. Poddar	24	3	0	19	3
12	Madhu Ranjan	986	20	29	740	18
13	Samarbijay B. Sarkar	125	6	0	131	7
14	Bhanu Pant	1536	20	47	1216	18
15	Rohit S Ranade	0	0	0	22	1
16	Priyangi Kulkarni	49	5	0	66	5
17	Rishika Verma	25	3	1	9	1
18	Prakash G. Ranaware	23	3	0	21	3

**List of Publications 2019 - 2023**  
**Department of Metallurgy and Materials Engineering**  
**COEP Technological University Pune**

Sr No	Academic Year of publication	Title of paper	Name of the author/s	Name of Journals	DOI	National ( N ) / International ( I )	Link
1	19-20	Role of nano ZnO particles in the electrodeposition and growth mechanism of phosphate coatings for enhancing the anti-corrosive performance of low carbon steel in 3.5% NaCl aqueous solution	Kathavate V.S., Pawar D.N., Bagal N.S., Deshpande P.P.	Journal of Alloys and Compounds	10.1016/j.jallcom.2020.153812	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078150633&amp;doi=10.1016%2Fj.jallcom.2020.153812&amp;partnerID=40&amp;md5=bf76a9303388975436a13ce49eb6d6f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078150633&amp;doi=10.1016%2Fj.jallcom.2020.153812&amp;partnerID=40&amp;md5=bf76a9303388975436a13ce49eb6d6f</a>
2	19-20	Fabrication of ZnO-functionalized polypyrrole microcomposite as a protective coating to enhance anticorrosion performance of low carbon mild steel	Satpal S., Bhopale A., Deshpande P., Athawale A.	Journal of Applied Polymer Science	10.1002/app.48319	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070276605&amp;doi=10.1002%2Fapp.48319&amp;partnerID=40&amp;md5=2e45ea874b1cb817c7d9a21c10a45">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070276605&amp;doi=10.1002%2Fapp.48319&amp;partnerID=40&amp;md5=2e45ea874b1cb817c7d9a21c10a45</a>
3	19-20	Impressed Current Cathodic Protection of Low Carbon Steel in Conjunction with Conducting Polyaniline based Paint Coating	Deshpande P., Kolekar A.	Protection of Metals and Physical Chemistry of Surfaces	10.1134/S2070205119060078	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077069206&amp;doi=10.1134%2F2070205119060078&amp;partnerID=40&amp;md5=1e11c5cf51be6bcca1474a6a22be8f3c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077069206&amp;doi=10.1134%2F2070205119060078&amp;partnerID=40&amp;md5=1e11c5cf51be6bcca1474a6a22be8f3c</a>
4	19-20	Effects of conductive polymers (type and concentration) in coatings with zinc particles of different shapes	Kohl M., Kalendová A., Deshpande P.P., Schmidová E.	Journal of Coatings Technology and Research	10.1007/s11998-018-00169-z	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070721809&amp;doi=10.1007%2F11998-018-00169-z&amp;partnerID=40&amp;md5=ed49a8d519ab4a60f9465bc0106026fb">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070721809&amp;doi=10.1007%2F11998-018-00169-z&amp;partnerID=40&amp;md5=ed49a8d519ab4a60f9465bc0106026fb</a>
5	19-20	Evolution of ultrafine precipitates and its influence on wear mechanism in cryoprocessed high nitrogen martensitic steel	Upadhye A.P., Shah N., Lalge P., Dhokey N.B., Tharian T.	Tribology - Materials, Surfaces and Interfaces	<a href="https://doi.org/10.1080/17515831.2019.1656908">10.1080/17515831.2019.1656908</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071297455&amp;doi=10.1080%2F17515831.2019.1656908&amp;partnerID=40&amp;md5=36b0f9e970ac283e62f93df514827d6e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071297455&amp;doi=10.1080%2F17515831.2019.1656908&amp;partnerID=40&amp;md5=36b0f9e970ac283e62f93df514827d6e</a>
6	19-20	Thermoelectric Properties of Iron Disilicide and Manganese Silicide: Synthesis and Characterization	Poddar V.S., Dhokey N.B.	Transactions of the Indian Institute of Metals	<a href="https://doi.org/10.1007/s12666-019-01743-8">10.1007/s12666-019-01743-8</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068104859&amp;doi=10.1007%2F12666-019-01743-8&amp;partnerID=40&amp;md5=a706d89ee136c56d4cb950b8bda8ce27">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068104859&amp;doi=10.1007%2F12666-019-01743-8&amp;partnerID=40&amp;md5=a706d89ee136c56d4cb950b8bda8ce27</a>
7	19-20	Studies on Wear Behaviour and DBTT in Sub-zero Regimes of Cryo-Treated High Nitrogen Martensitic Stainless Steel (HNMS)	Shah N., Arora K., Dhokey N.B., Dileep Kumar N., Tharian K.T.	Transactions of the Indian Institute of Metals	<a href="https://doi.org/10.1007/s12666-018-01555-2">10.1007/s12666-018-01555-2</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061645313&amp;doi=10.1007%2F12666-018-01555-2&amp;partnerID=40&amp;md5=4fc492784c7d65b4b64d1530c12f00e9">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061645313&amp;doi=10.1007%2F12666-018-01555-2&amp;partnerID=40&amp;md5=4fc492784c7d65b4b64d1530c12f00e9</a>
8	19-20	Optimization of Cryogenic Process for Enhancing the Wear Resistance of Novel HNMS Steel for Cryogenic Bearings of Launch Vehicle	Shah N., Arora K., Dhokey N.B., Dileep Kumar N., Tharian K.T.	Tribology Transactions	<a href="https://doi.org/10.1080/10402004.2019.1609147">10.1080/10402004.2019.1609147</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065813528&amp;doi=10.1080%2F10402004.2019.1609147&amp;partnerID=40&amp;md5=87b299767435cfa98d79d91c1a554ee1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065813528&amp;doi=10.1080%2F10402004.2019.1609147&amp;partnerID=40&amp;md5=87b299767435cfa98d79d91c1a554ee1</a>
9	19-20	Significant improvement in Curie temperature and piezoelectric properties of BaTiO3 with minimum Pb addition	Butee S., Kambale K.R., Ghorpade A., Halikar A., Gaikwad R., Panda H.	Journal of Asian Ceramic Societies	<a href="https://doi.org/10.1080/21870764.2019.1656359">10.1080/21870764.2019.1656359</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071308198&amp;doi=10.1080%2F21870764.2019.1656359&amp;partnerID=40&amp;md5=8bef7c9ae5c10412ec601c4edc22cf41">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071308198&amp;doi=10.1080%2F21870764.2019.1656359&amp;partnerID=40&amp;md5=8bef7c9ae5c10412ec601c4edc22cf41</a>
10	19-20	Incremental Forming of the Al-Li Alloy AA2195: Role of Texture and Microstructure	More A.M., Kalsar R., Shivashankar P., Lingam R., Reddy N.V., Prakash O., Suwas S.	JOM	<a href="https://doi.org/10.1007/s11837-020-04041-7">10.1007/s11837-020-04041-7</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079465979&amp;doi=10.1007%2F11837-020-04041-7&amp;partnerID=40&amp;md5=c80606edf9922b2073709f30227764c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079465979&amp;doi=10.1007%2F11837-020-04041-7&amp;partnerID=40&amp;md5=c80606edf9922b2073709f30227764c</a>
11	19-20	Effect of equal channel angular pressing (ECAP) on the evolution of texture, microstructure and mechanical properties in the Al-Cu-Li alloy AA2195	Suresh M., Sharma A., More A.M., Kalsar R., Bisht A., Nayan N., Suwas S.	Journal of Alloys and Compounds	<a href="https://doi.org/10.1016/j.jallcom.2019.01.161">10.1016/j.jallcom.2019.01.161</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060632545&amp;doi=10.1016%2Fj.jallcom.2019.01.161&amp;partnerID=40&amp;md5=7f4394a852ed5c1746944f03f37f12ed">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060632545&amp;doi=10.1016%2Fj.jallcom.2019.01.161&amp;partnerID=40&amp;md5=7f4394a852ed5c1746944f03f37f12ed</a>
12	19-20	Thermoelectric Properties of Iron Disilicide and Manganese Silicide: Synthesis and Characterization	Poddar V.S., Dhokey N.B.	Transactions of the Indian Institute of Metals	<a href="https://doi.org/10.1007/s12666-019-01743-8">10.1007/s12666-019-01743-8</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068104859&amp;doi=10.1007%2F12666-019-01743-8&amp;partnerID=40&amp;md5=a706d89ee136c56d4cb950b8bda8ce27">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068104859&amp;doi=10.1007%2F12666-019-01743-8&amp;partnerID=40&amp;md5=a706d89ee136c56d4cb950b8bda8ce27</a>
13	19-20	A review on the effect of processing techniques and functionalization of filler on mechanical properties of polymer nanocomposites	Verma R., Rathod M.J., Goyal R.K.	IOP Conference Series: Materials Science and Engineering	<a href="https://doi.org/10.1088/1757-899X/798/1/012031">10.1088/1757-899X/798/1/012031</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086247318&amp;doi=10.1088%2F1757-899X%2F798%2F1%2F012031&amp;partnerID=40&amp;md5=30c01eaa958167d7b0ff1b6c79baa41">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086247318&amp;doi=10.1088%2F1757-899X%2F798%2F1%2F012031&amp;partnerID=40&amp;md5=30c01eaa958167d7b0ff1b6c79baa41</a>
14	19-20	Dissolution and erosion behavior of AISI H13 shot sleeve in high pressure die casting process	Vachhani H., Rathod M., Shah R.	Engineering Failure Analysis	<a href="https://doi.org/10.1016/j.engfailanal.2019.02.021">10.1016/j.engfailanal.2019.02.021</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063388399&amp;doi=10.1016%2Fj.engfailanal.2019.02.021&amp;partnerID=40&amp;md5=b9796ff18535281dc8a9db228825521e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063388399&amp;doi=10.1016%2Fj.engfailanal.2019.02.021&amp;partnerID=40&amp;md5=b9796ff18535281dc8a9db228825521e</a>
15	19-20	Studies on electro-chemical corrosion of carbon fiber reinforced aluminium alloy AA7075	Deshpande M., Vagge S.T., Narayan Murty S.V.S., Kale H., Gondil R.	Sadhana - Academy Proceedings in Engineering Sciences	<a href="https://doi.org/10.1007/s12046-019-1213-y">10.1007/s12046-019-1213-y</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074292838&amp;doi=10.1007%2F12046-019-1213-y&amp;partnerID=40&amp;md5=00da8ed132a25a72a1239cf5b755ed1a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074292838&amp;doi=10.1007%2F12046-019-1213-y&amp;partnerID=40&amp;md5=00da8ed132a25a72a1239cf5b755ed1a</a>
16	19-20	Corrosion behavior of nodular cast iron in biodiesel blends	Deshpande S., Joshi A., Vagge S., Anekar N.	Engineering Failure Analysis	<a href="https://doi.org/10.1016/j.engfailanal.2019.07.060">10.1016/j.engfailanal.2019.07.060</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070529232&amp;doi=10.1016%2Fj.engfailanal.2019.07.060&amp;partnerID=40&amp;md5=d89cbd85ced56dcf6e4e0c1c98a5df42">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070529232&amp;doi=10.1016%2Fj.engfailanal.2019.07.060&amp;partnerID=40&amp;md5=d89cbd85ced56dcf6e4e0c1c98a5df42</a>

**List of Publications 2019 - 2023**  
**Department of Metallurgy and Materials Engineering**  
**COEP Technological University Pune**

Sr No	Academic Year of publication	Title of paper	Name of the author/s	Name of Journals	DOI	National ( N ) / International ( I )	Link
17	19-20	Effect of heat treatment on corrosion behavior of nodular (spheroidal graphite) cast iron using electrochemical tests in biodiesel environments	Deshpande S., Joshi A., Vagge S., Anekar N.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2019.12.277">10.1016/j.matpr.2019.12.277</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090146658&amp;doi=10.1016%2Fj.matpr.2019.12.277&amp;partnerID=40&amp;md5=114fc2d668bc245813535fa2fc339f9b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090146658&amp;doi=10.1016%2Fj.matpr.2019.12.277&amp;partnerID=40&amp;md5=114fc2d668bc245813535fa2fc339f9b</a>
18	20-21	Microstructural aspects of tensile strength, toughness and wear for 34crmo4 steel	Thakare A.S., Butee S.P., Kambale K.R.	Materials Today: Proceedings	10.1016/j.matpr.2021.01.329	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105442574&amp;doi=10.1016%2Fj.matpr.2021.01.329&amp;partnerID=40&amp;md5=decf04913f812f7f616e3e5d85d2929f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105442574&amp;doi=10.1016%2Fj.matpr.2021.01.329&amp;partnerID=40&amp;md5=decf04913f812f7f616e3e5d85d2929f</a>
19	20-21	Improved process for synthesizing n-type and p-type b-fesi2 thermoelectric material from attritor milled powder	Poddar V.S., Dhokey N.B., Butee S.P., Walimbe A.N., Gaikwad P.D., Vhora S., Roy D., Prakash D., Purohit R.D., Sinha R.K.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.01.655">10.1016/j.matpr.2021.01.655</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105440518&amp;doi=10.1016%2Fj.matpr.2021.01.655&amp;partnerID=40&amp;md5=838bd9a4181eba5252e8c83116f05a09">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105440518&amp;doi=10.1016%2Fj.matpr.2021.01.655&amp;partnerID=40&amp;md5=838bd9a4181eba5252e8c83116f05a09</a>
20	20-21	Improvement in Mechanical Properties of 42CrMo4 Steel Through Novel Thermomechanical Processing Treatment	Thakare A.S., Butee S.P., Kamble K.R.	Metallography, Microstructure, and Analysis	10.1007/s13632-020-00684-9	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092709071&amp;doi=10.1007%2Fs13632-020-00684-9&amp;partnerID=40&amp;md5=2527e1dba2be389f8241a62a31533868">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092709071&amp;doi=10.1007%2Fs13632-020-00684-9&amp;partnerID=40&amp;md5=2527e1dba2be389f8241a62a31533868</a>
21	20-21	Electrical, mechanical, and electromagnetic interference shielding properties of poly(etherketone)-MWCNT nanocomposites	Kulthe M.G., Goyal R.K., Butee S.P.	Journal of Materials Science: Materials in Electronics	10.1007/s10854-020-0435	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090453331&amp;doi=10.1007%2Fs10854-020-04359-7&amp;partnerID=40&amp;md5=a4643766946daa99fe9c60f605ec71a0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090453331&amp;doi=10.1007%2Fs10854-020-04359-7&amp;partnerID=40&amp;md5=a4643766946daa99fe9c60f605ec71a0</a>
22	20-21	Significant improvement in Curie temperature and piezoelectric properties of BaTiO3 with minimum Pb addition	Butee S., Kambale K.R., Ghorpade A., Halikar A., Gaikwad R., Panda H.	Journal of Asian Ceramic Societies	10.1080/21870764.2019.1	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071308198&amp;doi=10.1080%2F21870764.2019.1656359&amp;partnerID=40&amp;md5=8bef7c9ae5c10412ec601c4edc22cf41">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071308198&amp;doi=10.1080%2F21870764.2019.1656359&amp;partnerID=40&amp;md5=8bef7c9ae5c10412ec601c4edc22cf41</a>
23	20-21	Study of hot pressed sintering of premixed Al7075 based B4C reinforced composites on wear mechanism	Dangarikar S.U., Dhokey N.B.	Materials Today: Proceedings	10.1016/j.matpr.2020.11.255	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105699958&amp;doi=10.1016%2Fj.matpr.2020.11.255&amp;partnerID=40&amp;md5=2012d2b81acdeace6800ef5898d5ca8f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105699958&amp;doi=10.1016%2Fj.matpr.2020.11.255&amp;partnerID=40&amp;md5=2012d2b81acdeace6800ef5898d5ca8f</a>
24	20-21	Role of nano TiO2 and nano ZnO particles on enhancing the electrochemical and mechanical properties of electrochemically deposited phosphate coatings	Kathavate V.S., Deshpande P.P.	Surface and Coatings Technology	10.1016/j.surfcoat.2020.125902	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085210723&amp;doi=10.1016%2Fj.surfcoat.2020.125902&amp;partnerID=40&amp;md5=fe7f4a641b1d8cbcea6cae6327f3daa9">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085210723&amp;doi=10.1016%2Fj.surfcoat.2020.125902&amp;partnerID=40&amp;md5=fe7f4a641b1d8cbcea6cae6327f3daa9</a>
25	20-21	Fabrication of Pure Aluminium Reinforced Graphene Composite for Heat Sink Applications	Pillai K.V., Nerpagar V.V., Dhokey N.B.	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/795/1/012002	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109997833&amp;doi=10.1088%2F1755-1315%2F795%2F1%2F012002&amp;partnerID=40&amp;md5=93f9a31c4ded6e7b11fa6fa9ce97474">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109997833&amp;doi=10.1088%2F1755-1315%2F795%2F1%2F012002&amp;partnerID=40&amp;md5=93f9a31c4ded6e7b11fa6fa9ce97474</a>
26	20-21	Evaluation of Thermoelectric Properties of Doped $\beta$ -Iron Disilicide Prepared by the Powder Metallurgy Technique	Poddar V.S., Dhokey N.B.	Transactions of the Indian Institute of Metals	10.1007/s12666-020-02167-5	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098969011&amp;doi=10.1007%2Fs12666-020-02167-5&amp;partnerID=40&amp;md5=9b3888f3ba287b517ea303deb3809a47">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098969011&amp;doi=10.1007%2Fs12666-020-02167-5&amp;partnerID=40&amp;md5=9b3888f3ba287b517ea303deb3809a47</a>
27	20-21	Overview on Hardfacing Processes, Materials and Applications	Garbade R.R., Dhokey N.B.	IOP Conference Series: Materials Science and Engineering	10.1088/1757-899X/1017/1/012033	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101673910&amp;doi=10.1088%2F1757-899X%2F1017%2F1%2F012033&amp;partnerID=40&amp;md5=ce539d96e070b7a258919eba14a85d48">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101673910&amp;doi=10.1088%2F1757-899X%2F1017%2F1%2F012033&amp;partnerID=40&amp;md5=ce539d96e070b7a258919eba14a85d48</a>
28	20-21	Effect of tempering and cryogenic treatment on wear and mechanical properties of hot work tool steel (h13)	Dhokey N.B., Maske S.S., Ghosh P.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.01.361">10.1016/j.matpr.2021.01.361</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105529581&amp;doi=10.1016%2Fj.matpr.2021.01.361&amp;partnerID=40&amp;md5=25a2f04c645d5b1201b2c68ce3d13c17">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105529581&amp;doi=10.1016%2Fj.matpr.2021.01.361&amp;partnerID=40&amp;md5=25a2f04c645d5b1201b2c68ce3d13c17</a>
29	20-21	Transition in wear behavior and mechanical properties of novel high nitrogen martensitic steel in cryogenic temperature regimes	Dhokey N.B., Upadhye A., Shah N., Tharian K.T.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.01.367">10.1016/j.matpr.2021.01.367</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105529130&amp;doi=10.1016%2Fj.matpr.2021.01.367&amp;partnerID=40&amp;md5=6cf994e72d97de829b438935f5c3f39f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105529130&amp;doi=10.1016%2Fj.matpr.2021.01.367&amp;partnerID=40&amp;md5=6cf994e72d97de829b438935f5c3f39f</a>
30	20-21	Dimensionless model and performance analysis of low temperature thermoelectric materials	Chandra V., Balasinorwala T., Dhokey N.B.	Materials Today: Proceedings	10.1016/j.matpr.2021.01.580	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105490868&amp;doi=10.1016%2Fj.matpr.2021.01.580&amp;partnerID=40&amp;md5=ef5580e2cedb469f406a50a208bfc73a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105490868&amp;doi=10.1016%2Fj.matpr.2021.01.580&amp;partnerID=40&amp;md5=ef5580e2cedb469f406a50a208bfc73a</a>
31	20-21	Formulation of mathematical model for improved heat transfer in heat sink electronic system	Sastare S., Bhand H., Dhokey N.B.	Materials Today: Proceedings	10.1016/j.matpr.2021.01.657	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105482094&amp;doi=10.1016%2Fj.matpr.2021.01.657&amp;partnerID=40&amp;md5=a91b4782f6dc4c4ffe9c5e31d4f8e21e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105482094&amp;doi=10.1016%2Fj.matpr.2021.01.657&amp;partnerID=40&amp;md5=a91b4782f6dc4c4ffe9c5e31d4f8e21e</a>
32	20-21	Improved process for synthesizing n-type and p-type b-fesi2 thermoelectric material from attritor milled powder	Poddar V.S., Dhokey N.B., Butee S.P., Walimbe A.N., Gaikwad P.D., Vhora S., Roy D., Prakash D., Purohit R.D., Sinha R.K.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.01.655">10.1016/j.matpr.2021.01.655</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105440518&amp;doi=10.1016%2Fj.matpr.2021.01.655&amp;partnerID=40&amp;md5=838bd9a4181eba5252e8c83116f05a09">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105440518&amp;doi=10.1016%2Fj.matpr.2021.01.655&amp;partnerID=40&amp;md5=838bd9a4181eba5252e8c83116f05a09</a>

**List of Publications 2019 - 2023**  
**Department of Metallurgy and Materials Engineering**  
**COEP Technological University Pune**

Sr No	Academic Year of publication	Title of paper	Name of the author/s	Name of Journals	DOI	National ( N ) / International ( I )	Link
33	20-21	A novel process for spheroidization of irregular shaped metallic powders	Runwal J., Ambekar R., Dhokey N.B.	Powder Metallurgy	<a href="https://doi.org/10.1080/00325899.2020.1848974">10.1080/00325899.2020.1848974</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097164814&amp;doi=10.1080%2F00325899.2020.1848974&amp;partnerID=40&amp;md5=d09283f84f3451fcd028bc0bde4eb86">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097164814&amp;doi=10.1080%2F00325899.2020.1848974&amp;partnerID=40&amp;md5=d09283f84f3451fcd028bc0bde4eb86</a>
34	20-21	Influence of Intermediate Cryogenic Treatment on the Microstructural Transformation and Shift in Wear Mechanism in AISI D2 Steel	Dhokey N.B., Thakur C., Ghosh P.	Tribology Transactions	10.1080/10402004.2020.1804652	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092553421&amp;doi=10.1080%2F10402004.2020.1804652&amp;partnerID=40&amp;md5=a4fb9405cb120c555a652ca500235420">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092553421&amp;doi=10.1080%2F10402004.2020.1804652&amp;partnerID=40&amp;md5=a4fb9405cb120c555a652ca500235420</a>
35	20-21	Influence of Process Parameters on Countercurrent Reactor Reduction of Oxidized Mill Scale Waste and Its Co-relationship with Mathematical Model	Jikar P.C., Dhokey N.B.	Journal of Sustainable Metallurgy	<a href="https://doi.org/10.1007/s40831-020-00297-0">10.1007/s40831-020-00297-0</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094127954&amp;doi=10.1007%2F540831-020-00297-0&amp;partnerID=40&amp;md5=2dc0c1e5d669a1265af63fbd52ce3f15">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094127954&amp;doi=10.1007%2F540831-020-00297-0&amp;partnerID=40&amp;md5=2dc0c1e5d669a1265af63fbd52ce3f15</a>
36	20-21	Effect of Hot Deformation and Aging of AA7075-Based 10 wt.% Graphite-Reinforced Composite on Wear Behavior and Microstructural Subsurface Deformation	Dhokey N.B., Jadhav A.G., Kandula M.L., Nimbalkar V.	Metallography, Microstructure, and Analysis	<a href="https://doi.org/10.1007/s13632-020-00638-1">10.1007/s13632-020-00638-1</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086044548&amp;doi=10.1007%2Fs13632-020-00638-1&amp;partnerID=40&amp;md5=98402e2e97ac4e84926aa4879de576fa">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086044548&amp;doi=10.1007%2Fs13632-020-00638-1&amp;partnerID=40&amp;md5=98402e2e97ac4e84926aa4879de576fa</a>
37	20-21	Wear behavior and machinability of hot pressed sintering of B4C reinforced M3/2 HSS composite	Thavale V.T., Dhokey N.B.	Materials Today: Proceedings	10.1016/j.matpr.2020.11.710	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-8510575353&amp;doi=10.1016%2Fj.matpr.2020.11.710&amp;partnerID=40&amp;md5=5bfcd337d471cc8e24250ad314350b20">https://www.scopus.com/inward/record.uri?eid=2-s2.0-8510575353&amp;doi=10.1016%2Fj.matpr.2020.11.710&amp;partnerID=40&amp;md5=5bfcd337d471cc8e24250ad314350b20</a>
38	20-21	Modelling of oxidation phenomenon of mill-scale and analysis of influencing parameters	Jikar P.C., Sabban R., Tadwalkar C., Dhokey N.B.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2020.10.212">10.1016/j.matpr.2020.10.212</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105718005&amp;doi=10.1016%2Fj.matpr.2020.10.212&amp;partnerID=40&amp;md5=c5957fb3877a7c4d0b76d70fdc3e5f19">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105718005&amp;doi=10.1016%2Fj.matpr.2020.10.212&amp;partnerID=40&amp;md5=c5957fb3877a7c4d0b76d70fdc3e5f19</a>
39	20-21	Overview on production of reduced iron powder from mill scale waste	Jikar P.C., Dhokey N.B.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2020.10.552">10.1016/j.matpr.2020.10.552</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105707981&amp;doi=10.1016%2Fj.matpr.2020.10.552&amp;partnerID=40&amp;md5=ccc0a1ca6020f129f0a9c40239b171a1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105707981&amp;doi=10.1016%2Fj.matpr.2020.10.552&amp;partnerID=40&amp;md5=ccc0a1ca6020f129f0a9c40239b171a1</a>
40	20-21	Study of hot pressed sintering of premixed Al7075 based B4C reinforced composites on wear mechanism	Dangarikar S.U., Dhokey N.B.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2020.11.255">10.1016/j.matpr.2020.11.255</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105699958&amp;doi=10.1016%2Fj.matpr.2020.11.255&amp;partnerID=40&amp;md5=2012d2b81acdeace6800ef5898d5ca8f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105699958&amp;doi=10.1016%2Fj.matpr.2020.11.255&amp;partnerID=40&amp;md5=2012d2b81acdeace6800ef5898d5ca8f</a>
41	20-21	Wear behavior of hot deformed and aged AA7075 reinforced 12vol% graphite particulates composites	Dhokey N.B., Jadhav A.G., Nimbalkar S.S., Nimbalkar V.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2020.10.724">10.1016/j.matpr.2020.10.724</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103385408&amp;doi=10.1016%2Fj.matpr.2020.10.724&amp;partnerID=40&amp;md5=c67f81754d56353fb150b9996be82d86">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103385408&amp;doi=10.1016%2Fj.matpr.2020.10.724&amp;partnerID=40&amp;md5=c67f81754d56353fb150b9996be82d86</a>
42	20-21	Improvement in Mechanical Properties of 42CrMo4 Steel Through Novel Thermomechanical Processing Treatment	Thakare A.S., Butee S.P., Kamble K.R.	Metallography, Microstructure, and Analysis	<a href="https://doi.org/10.1007/s13632-020-00684-9">10.1007/s13632-020-00684-9</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092709071&amp;doi=10.1007%2Fs13632-020-00684-9&amp;partnerID=40&amp;md5=2527e1dba2be389f8241a62a31533868">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092709071&amp;doi=10.1007%2Fs13632-020-00684-9&amp;partnerID=40&amp;md5=2527e1dba2be389f8241a62a31533868</a>
43	20-21	Electrical, mechanical, and electromagnetic interference shielding properties of poly(etherketone)-MWCNT nanocomposites	Kulthe M.G., Goyal R.K., Butee S.P.	Journal of Materials Science: Materials in Electronics	<a href="https://doi.org/10.1007/s10854-020-04359-7">10.1007/s10854-020-04359-7</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090453331&amp;doi=10.1007%2Fs10854-020-04359-7&amp;partnerID=40&amp;md5=a4643766946daa99fe9c60f605ec71a0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090453331&amp;doi=10.1007%2Fs10854-020-04359-7&amp;partnerID=40&amp;md5=a4643766946daa99fe9c60f605ec71a0</a>
44	20-21	Evolution of microstructure and texture in the third generation Al-Li alloy AA2195 during warm hybrid processing	Suresh M., Kalsar R., More A.M., Bisht A., Nayan N., Suwas S.	Journal of Alloys and Compounds	<a href="https://doi.org/10.1016/j.jallcom.2020.156750">10.1016/j.jallcom.2020.156750</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092188467&amp;doi=10.1016%2Fj.jallcom.2020.156750&amp;partnerID=40&amp;md5=854de1cc15fb9fda08603230b31e312b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092188467&amp;doi=10.1016%2Fj.jallcom.2020.156750&amp;partnerID=40&amp;md5=854de1cc15fb9fda08603230b31e312b</a>
45	20-21	Texture control to reduce yield strength anisotropy in the third generation aluminum-copper-lithium alloy: Experiments and modeling	Mishra S., Suresh M., More A.M., Bisht A., Nayan N., Suwas S.	Materials Science and Engineering: A	<a href="https://doi.org/10.1016/j.msea.2020.140047">10.1016/j.msea.2020.140047</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091336562&amp;doi=10.1016%2Fj.msea.2020.140047&amp;partnerID=40&amp;md5=b3be737cf72db85527d2a812fd0c3f29">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091336562&amp;doi=10.1016%2Fj.msea.2020.140047&amp;partnerID=40&amp;md5=b3be737cf72db85527d2a812fd0c3f29</a>
46	20-21	Elucidating the deformation modes in incremental sheet forming process: Insights from crystallographic texture, microstructure and mechanical properties	Mishra S., Yazar K.U., More A.M., Kumar L., Lingam R., Reddy N.V., Prakash O., Suwas S.	Materials Science and Engineering: A	<a href="https://doi.org/10.1016/j.msea.2020.139311">10.1016/j.msea.2020.139311</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086074401&amp;doi=10.1016%2Fj.msea.2020.139311&amp;partnerID=40&amp;md5=2723cc4604c7348f0f23d60bb9ff6012">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086074401&amp;doi=10.1016%2Fj.msea.2020.139311&amp;partnerID=40&amp;md5=2723cc4604c7348f0f23d60bb9ff6012</a>
47	20-21	Evaluation of Thermoelectric Properties of Doped $\beta$ -Iron Disilicide Prepared by the Powder Metallurgy Technique	Poddar V.S., Dhokey N.B.	Transactions of the Indian Institute of Metals	<a href="https://doi.org/10.1007/s12666-020-02167-5">10.1007/s12666-020-02167-5</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098969011&amp;doi=10.1007%2Fs12666-020-02167-5&amp;partnerID=40&amp;md5=9b3888f3ba287b517ea303deb3809a47">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098969011&amp;doi=10.1007%2Fs12666-020-02167-5&amp;partnerID=40&amp;md5=9b3888f3ba287b517ea303deb3809a47</a>
48	20-21	Evaluation of mechanical properties of cold roll bonded mild steel and aluminum	Poddar V.S., Rathod M.J.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.01.363">10.1016/j.matpr.2021.01.363</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105457081&amp;doi=10.1016%2Fj.matpr.2021.01.363&amp;partnerID=40&amp;md5=d05b446e964e86c1704be0e9ac28c189">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105457081&amp;doi=10.1016%2Fj.matpr.2021.01.363&amp;partnerID=40&amp;md5=d05b446e964e86c1704be0e9ac28c189</a>

**List of Publications 2019 - 2023**  
**Department of Metallurgy and Materials Engineering**  
**COEP Technological University Pune**

Sr No	Academic Year of publication	Title of paper	Name of the author/s	Name of Journals	DOI	National ( N ) / International ( I )	Link
49	20-21	Improved process for synthesizing n-type and p-type b-fesi <sub>2</sub> thermoelectric material from attritor milled powder	Poddar V.S., Dhokey N.B., Butee S.P., Walimbe A.N., Gaikwad P.D., Vhora S., Roy D., Prakash D., Purohit R.D., Sinha R.K.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.01.655">10.1016/j.matpr.2021.01.655</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105440518&amp;doi=10.1016%2Fj.matpr.2021.01.655&amp;partnerID=40&amp;md5=838bd9a4181eba5252e8c83116f05a09">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105440518&amp;doi=10.1016%2Fj.matpr.2021.01.655&amp;partnerID=40&amp;md5=838bd9a4181eba5252e8c83116f05a09</a>
50	20-21	Investigation of nanocrystallization behaviour of aisi 316 stainless steel under adiabatic and non-adiabatic severe plastic deformation conditions	Ranaware P.G., Rathod M.J., Bakare C.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.01.411">10.1016/j.matpr.2021.01.411</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105444383&amp;doi=10.1016%2Fj.matpr.2021.01.411&amp;partnerID=40&amp;md5=bf1b496e85a8b7627f2b87819d15028e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105444383&amp;doi=10.1016%2Fj.matpr.2021.01.411&amp;partnerID=40&amp;md5=bf1b496e85a8b7627f2b87819d15028e</a>
51	20-21	Effect of milling parameters on emi shielding of the pes/mwcnt nanocomposites	Verma R., Rathod M.J., Goyal R.K.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.01.659">10.1016/j.matpr.2021.01.659</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105481300&amp;doi=10.1016%2Fj.matpr.2021.01.659&amp;partnerID=40&amp;md5=514c226ecf63f75ff1f1dfef810fd414">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105481300&amp;doi=10.1016%2Fj.matpr.2021.01.659&amp;partnerID=40&amp;md5=514c226ecf63f75ff1f1dfef810fd414</a>
52	20-21	Evaluation of mechanical properties of cold roll bonded mild steel and aluminum	Poddar V.S., Rathod M.J.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.01.363">10.1016/j.matpr.2021.01.363</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105457081&amp;doi=10.1016%2Fj.matpr.2021.01.363&amp;partnerID=40&amp;md5=d05b446e964e86c1704be0e9ac28c189">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105457081&amp;doi=10.1016%2Fj.matpr.2021.01.363&amp;partnerID=40&amp;md5=d05b446e964e86c1704be0e9ac28c189</a>
53	20-21	Investigation of nanocrystallization behaviour of aisi 316 stainless steel under adiabatic and non-adiabatic severe plastic deformation conditions	Ranaware P.G., Rathod M.J., Bakare C.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.01.411">10.1016/j.matpr.2021.01.411</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105444383&amp;doi=10.1016%2Fj.matpr.2021.01.411&amp;partnerID=40&amp;md5=bf1b496e85a8b7627f2b87819d15028e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105444383&amp;doi=10.1016%2Fj.matpr.2021.01.411&amp;partnerID=40&amp;md5=bf1b496e85a8b7627f2b87819d15028e</a>
54	20-21	High electromagnetic interference shielding of poly(ether-sulfone)/multi-walled carbon nanotube nanocomposites fabricated by an eco-friendly route	Verma R., Rathod M.J., Goyal R.K.	Nanotechnology	<a href="https://doi.org/10.1088/1361-6528/ab97d3">10.1088/1361-6528/ab97d3</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088011556&amp;doi=10.1088%2F1361-6528%2Ffab97d3&amp;partnerID=40&amp;md5=35c8baadda86907d36787a037c454c17">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088011556&amp;doi=10.1088%2F1361-6528%2Ffab97d3&amp;partnerID=40&amp;md5=35c8baadda86907d36787a037c454c17</a>
55	20-21	Wear Behavior of Spheroidal Graphite Cast Iron in Biodiesel Blends	Deshpande S., Anekar N., Vagge S., Joshi A.	Journal of Bio- and Tribo-Corrosion	<a href="https://doi.org/10.1007/s40735-019-0300-2">10.1007/s40735-019-0300-2</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074846403&amp;doi=10.1007%2Fs40735-019-0300-2&amp;partnerID=40&amp;md5=bc8f704495985a5acb452ff6d7ce2f05">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074846403&amp;doi=10.1007%2Fs40735-019-0300-2&amp;partnerID=40&amp;md5=bc8f704495985a5acb452ff6d7ce2f05</a>
56	20-21	Effect of precipitation hardening on stress corrosion cracking susceptibility index of AZ31B magnesium alloy in simulated body fluid	Vagge S.T., Bakshi S.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2020.05.568">10.1016/j.matpr.2020.05.568</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103591803&amp;doi=10.1016%2Fj.matpr.2020.05.568&amp;partnerID=40&amp;md5=c83629e7c92e93b8165b57dc1cba659a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103591803&amp;doi=10.1016%2Fj.matpr.2020.05.568&amp;partnerID=40&amp;md5=c83629e7c92e93b8165b57dc1cba659a</a>
57	20-21	Wear behavior and machinability of hot pressed sintering of B4C reinforced M3/2 HSS composite	Thavale V.T., Dhokey N.B.	Materials Today: Proceedings	10.1016/j.matpr.2020.11.710	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105755353&amp;doi=10.1016%2Fj.matpr.2020.11.710&amp;partnerID=40&amp;md5=5bfc3d37d471cc8e24250ad314350b20">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105755353&amp;doi=10.1016%2Fj.matpr.2020.11.710&amp;partnerID=40&amp;md5=5bfc3d37d471cc8e24250ad314350b20</a>
58	21-22	Evaluation of the effect of excess PbO on piezoelectric properties of high Zr -PZT ceramics	Karajagikar P., Butee S.P., Kambale K.R., Kumar B P.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2022.08.197">10.1016/j.matpr.2022.08.197</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137579636&amp;doi=10.1016%2Fj.matpr.2022.08.197&amp;partnerID=40&amp;md5=4d08cd6a4d272e6466d13f2d37d3398e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137579636&amp;doi=10.1016%2Fj.matpr.2022.08.197&amp;partnerID=40&amp;md5=4d08cd6a4d272e6466d13f2d37d3398e</a>
59	21-22	Effect of Sm <sub>2</sub> O <sub>3</sub> addition on the dielectric behaviour of BaTiO <sub>3</sub>	Kambale K.R., Mahajan A., Butee S.P., Kulkarni A.R., Venkataramani N.	Materials Today: Proceedings	10.1016/j.matpr.2022.07.383	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135528630&amp;doi=10.1016%2Fj.matpr.2022.07.383&amp;partnerID=40&amp;md5=977859484986fbd1789b56b349ec34a7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135528630&amp;doi=10.1016%2Fj.matpr.2022.07.383&amp;partnerID=40&amp;md5=977859484986fbd1789b56b349ec34a7</a>
60	21-22	Synthesis and characterization of NiO/ZnO composite prepared by solid-state reaction method	Mahajan A., Deshpande P., Butee S.	Materials Today: Proceedings	10.1016/j.matpr.2021.09.279	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121999734&amp;doi=10.1016%2Fj.matpr.2021.09.279&amp;partnerID=40&amp;md5=9f18e6ae4805bd044ec29bc179ac01c3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121999734&amp;doi=10.1016%2Fj.matpr.2021.09.279&amp;partnerID=40&amp;md5=9f18e6ae4805bd044ec29bc179ac01c3</a>
61	21-22	Effect of in situ formation of tungsten semicarbide on the microstructure and mechanical properties of medium carbon steel composites	Soni N.G., Mahajan A.G., Kambale K.R., Butee S.P.	Metallurgical Research and Technology	10.1051/metal/2021080	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117367200&amp;doi=10.1051%2Fmetal%2F2021080&amp;partnerID=40&amp;md5=8bb4353ba88b24a83a372c7b73fa8d40">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117367200&amp;doi=10.1051%2Fmetal%2F2021080&amp;partnerID=40&amp;md5=8bb4353ba88b24a83a372c7b73fa8d40</a>
62	21-22	Effect of precipitation hardening on wear behavior of premix Al7075 hybrid matrix composites	Dangarikar S.U., Dhokey N.B.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2022.07.420">10.1016/j.matpr.2022.07.420</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135867749&amp;doi=10.1016%2Fj.matpr.2022.07.420&amp;partnerID=40&amp;md5=5dfa5f444ba27000a21bba0c52aa4de6">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135867749&amp;doi=10.1016%2Fj.matpr.2022.07.420&amp;partnerID=40&amp;md5=5dfa5f444ba27000a21bba0c52aa4de6</a>
63	21-22	Effect of ortho-phosphoric acid doping concentration on electrochemical properties of polyaniline coated low carbon steel	Nazirkar N.P., Gadikar A.A., Umredkar S., Deshpande P.P.	Materials Today: Proceedings	10.1016/j.matpr.2022.01.198	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148057856&amp;doi=10.1016%2Fj.matpr.2022.01.198&amp;partnerID=40&amp;md5=bc855e2a201c3b5d07499aeb88612d94">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148057856&amp;doi=10.1016%2Fj.matpr.2022.01.198&amp;partnerID=40&amp;md5=bc855e2a201c3b5d07499aeb88612d94</a>
64	21-22	Smart Coatings: Fundamentals, Developments, and Applications	Kathavate V.S., Deshpande P.P.	Smart Coatings: Fundamentals, Developments, and Applications	10.1201/9781003200635	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140499477&amp;doi=10.1201%2F9781003200635&amp;partnerID=40&amp;md5=6cba57d60e013c37a7c26a271a1f0968">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140499477&amp;doi=10.1201%2F9781003200635&amp;partnerID=40&amp;md5=6cba57d60e013c37a7c26a271a1f0968</a>

**List of Publications 2019 - 2023**  
**Department of Metallurgy and Materials Engineering**  
**COEP Technological University Pune**

Sr No	Academic Year of publication	Title of paper	Name of the author/s	Name of Journals	DOI	National ( N ) / International ( I )	Link
65	21-22	Room Temperature Operating, Fast and Reusable Polyaniline Sensor Synthesized Ultrasonically Using Organic and Inorganic Acid Dopants	Jagtap S., Handore K., Adhav P., Deshpande P., Bhopale A., Khaladkar M., Khandagale P., Chabukswar V.V.	Journal of Macromolecular Science, Part B: Physics	10.1080/00222348.2022.2122236	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138413318&amp;doi=10.1080%2F00222348.2022.2122236&amp;partnerID=40&amp;md5=4c463df21355be1fb9f057e1223bfc3e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138413318&amp;doi=10.1080%2F00222348.2022.2122236&amp;partnerID=40&amp;md5=4c463df21355be1fb9f057e1223bfc3e</a>
66	21-22	Chemical composition of Low Moor and Walker Company cannons in the Odisha State Maritime Museum, east coast of India	Tripati S., Behera R.P., Rudraswami N.G., Deshpande P.P.	Current Science	10.18520/cs/v122/i8/965-973	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129405917&amp;doi=10.18520%2Fcs%2Fv122%2Fi8%2F965-973&amp;partnerID=40&amp;md5=448a973a42e501afdf109725c8558d1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129405917&amp;doi=10.18520%2Fcs%2Fv122%2Fi8%2F965-973&amp;partnerID=40&amp;md5=448a973a42e501afdf109725c8558d1</a>
67	21-22	Impressed current cathodic protection (ICCP) of mild steel in association with zinc based paint coating	Deshpande P., Kolekar A., Bhopale A., Kalendova A., Kohl M.	Materials Today: Proceedings	10.1016/j.matpr.2021.09.	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127185797&amp;doi=10.1016%2Fj.matpr.2021.09.145&amp;partnerID=40&amp;md5=14d46db9a35b78a39b4f8fa47c94caff">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127185797&amp;doi=10.1016%2Fj.matpr.2021.09.145&amp;partnerID=40&amp;md5=14d46db9a35b78a39b4f8fa47c94caff</a>
68	21-22	Numerical investigation of galvanic corrosion between galvanized steel and mild steel in bolted joint	Kamble P.A., Deshpande P.P., Vagge S.T.	Materials Today: Proceedings	10.1016/j.matpr.2021.09.316	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127179508&amp;doi=10.1016%2Fj.matpr.2021.09.316&amp;partnerID=40&amp;md5=fd643e89ccf426cbe1d552c2c87df185">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127179508&amp;doi=10.1016%2Fj.matpr.2021.09.316&amp;partnerID=40&amp;md5=fd643e89ccf426cbe1d552c2c87df185</a>
69	21-22	Effect of gas nitrocarburizing post oxidation on electrochemical behaviour of AISI 4140 steel in neutral medium	Deshpande S.S., Deshpande P.P., Rathod M.J.	Materials Today: Proceedings	10.1016/j.matpr.2021.09.332	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127107243&amp;doi=10.1016%2Fj.matpr.2021.09.332&amp;partnerID=40&amp;md5=49e99b578db794456f0bd99fc94b1b5c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127107243&amp;doi=10.1016%2Fj.matpr.2021.09.332&amp;partnerID=40&amp;md5=49e99b578db794456f0bd99fc94b1b5c</a>
70	21-22	Synthesis and characterization of NiO/ZnO composite prepared by solid-state reaction method	Mahajan A., Deshpande P., Butee S.	Materials Today: Proceedings	10.1016/j.matpr.2021.09.279	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121999734&amp;doi=10.1016%2Fj.matpr.2021.09.279&amp;partnerID=40&amp;md5=9f18e6ae4805bd044ec29bc179ac01c3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121999734&amp;doi=10.1016%2Fj.matpr.2021.09.279&amp;partnerID=40&amp;md5=9f18e6ae4805bd044ec29bc179ac01c3</a>
71	21-22	Evaluation of Magnetic Properties of Ceramic Coated Soft Magnetic Composite and its Simulation for Microwave Devices	Dhokey N.B., Poddar V.S., Kolhe P.S.	<a href="#">ECS Journal of Solid State Science and Technology</a>	10.1149/2162-8777/ac6d10	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130560770&amp;doi=10.1149%2F2162-8777%2Fac6d10&amp;partnerID=40&amp;md5=4e2c02213c79be6d7ffc4611ad46698a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130560770&amp;doi=10.1149%2F2162-8777%2Fac6d10&amp;partnerID=40&amp;md5=4e2c02213c79be6d7ffc4611ad46698a</a>
72	21-22	Numerical Modeling Simulation and Experimental Study of Dynamic Particle Bed Counter Current Reactor and its Effect on Solid-Gas Reduction Reaction	Jikar P.C., Dhokey N.B., Shinde S.S.	<a href="#">Mining, Metallurgy and Exploration</a>	<a href="https://doi.org/10.1007/s42461-021-00516-6">10.1007/s42461-021-00516-6</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119586920&amp;doi=10.1007%2Fs42461-021-00516-6&amp;partnerID=40&amp;md5=3eb5ef20161c37f3679609ba3461b8a2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119586920&amp;doi=10.1007%2Fs42461-021-00516-6&amp;partnerID=40&amp;md5=3eb5ef20161c37f3679609ba3461b8a2</a>
73	21-22	Influence of heat treatment on the microstructure, hardness and fracture toughness of premixed iron based hardfacing weld overlay	Garbade R.R., Dhokey N.B.	Materials Today: Proceedings	10.1016/j.matpr.2022.08.282	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137014106&amp;doi=10.1016%2Fj.matpr.2022.08.282&amp;partnerID=40&amp;md5=81aaa3f32f3a76805caa6b2654a931b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137014106&amp;doi=10.1016%2Fj.matpr.2022.08.282&amp;partnerID=40&amp;md5=81aaa3f32f3a76805caa6b2654a931b</a>
74	21-22	Effect of precipitation hardening on wear behavior of premix Al7075 hybrid matrix composites	Dangarikar S.U., Dhokey N.B.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2022.07.420">10.1016/j.matpr.2022.07.420</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135867749&amp;doi=10.1016%2Fj.matpr.2022.07.420&amp;partnerID=40&amp;md5=5dfa5f444ba27000a21bba0c52aa4de6">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135867749&amp;doi=10.1016%2Fj.matpr.2022.07.420&amp;partnerID=40&amp;md5=5dfa5f444ba27000a21bba0c52aa4de6</a>
75	21-22	Performance analysis of cryoprocessed conventional HSS M2 drill and P/M HSS M3 TiN coated tap and its effect on the substructure	Chede S.J., Chopra M.K., Dhokey N.B., Aher V.S., Ghosh P.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2022.07.021">10.1016/j.matpr.2022.07.021</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134724413&amp;doi=10.1016%2Fj.matpr.2022.07.021&amp;partnerID=40&amp;md5=88d88fd28844f7daf7d1721f5c90d1d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134724413&amp;doi=10.1016%2Fj.matpr.2022.07.021&amp;partnerID=40&amp;md5=88d88fd28844f7daf7d1721f5c90d1d</a>
76	21-22	Experimental and mathematical analyses of process parameters for roll compaction of steel powder	Fatangade Y.P., Dhokey N.B., Poddar V.S.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2022.06.415">10.1016/j.matpr.2022.06.415</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134316962&amp;doi=10.1016%2Fj.matpr.2022.06.415&amp;partnerID=40&amp;md5=27842c5f5643a3d42f386278c70725ba">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134316962&amp;doi=10.1016%2Fj.matpr.2022.06.415&amp;partnerID=40&amp;md5=27842c5f5643a3d42f386278c70725ba</a>
77	21-22	Analysis of Solid-Gas interaction in bulk powder flow in counter current reactor using DEM	Jikar P.C., Dhokey N.B., Shinde S.S.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2022.05.176">10.1016/j.matpr.2022.05.176</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131057744&amp;doi=10.1016%2Fj.matpr.2022.05.176&amp;partnerID=40&amp;md5=1490ab8c1c101a6c6e624cd3e8bdf894">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131057744&amp;doi=10.1016%2Fj.matpr.2022.05.176&amp;partnerID=40&amp;md5=1490ab8c1c101a6c6e624cd3e8bdf894</a>
78	21-22	Remarkable Effect of Graphene on the Properties of FeCoCrNi-Based High Entropy Alloy	Poddar V., Dhokey N., Gole A., Dongare R.	Springer Proceedings in Materials	<a href="https://doi.org/10.1007/978-981-16-3297-6_22">10.1007/978-981-16-3297-6_22</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127958680&amp;doi=10.1007%2F978-981-16-3297-6_22&amp;partnerID=40&amp;md5=01718f922a1ea593e805dd1b9822960e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127958680&amp;doi=10.1007%2F978-981-16-3297-6_22&amp;partnerID=40&amp;md5=01718f922a1ea593e805dd1b9822960e</a>
79	21-22	The Damping Capacity and Sliding Wear Behavior of an Aluminum Alloy Metal Matrix Composite: Role of Reinforcement	Rane K., Dhokey N., Srivatsan T.S.	Minerals, Metals and Materials Series	<a href="https://doi.org/10.1007/978-3-030-92567-3_5">10.1007/978-3-030-92567-3_5</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125066243&amp;doi=10.1007%2F978-3-030-92567-3_5&amp;partnerID=40&amp;md5=f80f904d4be599db43ee096582c0e9">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125066243&amp;doi=10.1007%2F978-3-030-92567-3_5&amp;partnerID=40&amp;md5=f80f904d4be599db43ee096582c0e9</a>
80	21-22	Study of synergy between photovoltaic, thermoelectric and direct evaporative cooling system for improved performance	Poddar V.S., Ranawade V.A., Dhokey N.B.	Renewable Energy	<a href="https://doi.org/10.1016/j.renene.2021.10.040">10.1016/j.renene.2021.10.040</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117901150&amp;doi=10.1016%2Fj.renene.2021.10.040&amp;partnerID=40&amp;md5=5f7e3e716e521da61b2eead3b8ddc312">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117901150&amp;doi=10.1016%2Fj.renene.2021.10.040&amp;partnerID=40&amp;md5=5f7e3e716e521da61b2eead3b8ddc312</a>
81	21-22	Effect of deep cryogenic treatment on corrosion behavior of AISI H13 die steel	Shinde T., Pruncu C., Dhokey N.B., Parau A.C., Vladescu A.	Materials	10.3390/ma14247863	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121387197&amp;doi=10.3390%2Fma14247863&amp;partnerID=40&amp;md5=8b55cab4747fa8153c4314127379bffd">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121387197&amp;doi=10.3390%2Fma14247863&amp;partnerID=40&amp;md5=8b55cab4747fa8153c4314127379bffd</a>

**List of Publications 2019 - 2023**  
**Department of Metallurgy and Materials Engineering**  
**COEP Technological University Pune**

Sr No	Academic Year of publication	Title of paper	Name of the author/s	Name of Journals	DOI	National ( N ) / International ( I )	Link
82	21-22	Evaluation of the effect of excess PbO on piezoelectric properties of high Zr -PZT ceramics	Karajagikar P., Butee S.P., Kambale K.R., Kumar B P.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2022.08.197">10.1016/j.matpr.2022.08.197</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137579636&amp;doi=10.1016%2Fj.matpr.2022.08.197&amp;partnerID=40&amp;md5=4d08cd6a4d272e6466d13f2d37d3398e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137579636&amp;doi=10.1016%2Fj.matpr.2022.08.197&amp;partnerID=40&amp;md5=4d08cd6a4d272e6466d13f2d37d3398e</a>
83	21-22	Effect of Sm2O3 addition on the dielectric behaviour of BaTiO3	Kambale K.R., Mahajan A., Butee S.P., Kulkarni A.R., Venkataramani N.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2022.07.383">10.1016/j.matpr.2022.07.383</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135528630&amp;doi=10.1016%2Fj.matpr.2022.07.383&amp;partnerID=40&amp;md5=977859484986fbd1789b56b349ec34a7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135528630&amp;doi=10.1016%2Fj.matpr.2022.07.383&amp;partnerID=40&amp;md5=977859484986fbd1789b56b349ec34a7</a>
84	21-22	Effect of in situ formation of tungsten semicarbide on the microstructure and mechanical properties of medium carbon steel composites	Soni N.G., Mahajan A.G., Kambale K.R., Butee S.P.	Metallurgical Research and Technology	<a href="https://doi.org/10.1051/metal/2021080">10.1051/metal/2021080</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117367200&amp;doi=10.1051%2Fmetal%2F2021080&amp;partnerID=40&amp;md5=8bb4353ba88b24a83a372c7b73fa8d40">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117367200&amp;doi=10.1051%2Fmetal%2F2021080&amp;partnerID=40&amp;md5=8bb4353ba88b24a83a372c7b73fa8d40</a>
85	21-22	Microstructural aspects of tensile strength, toughness and wear for 34crmo4 steel	Thakare A.S., Butee S.P., Kambale K.R.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.01.329">10.1016/j.matpr.2021.01.329</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105442574&amp;doi=10.1016%2Fj.matpr.2021.01.329&amp;partnerID=40&amp;md5=decf04913f812f7f616e3e5d85d2929f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105442574&amp;doi=10.1016%2Fj.matpr.2021.01.329&amp;partnerID=40&amp;md5=decf04913f812f7f616e3e5d85d2929f</a>
86	21-22	Fabrication, mechanical properties and flammability of polypropylene/MoS2 composites	Kolekar A., Kulthe M., Bansode V., Mali A.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.09.115">10.1016/j.matpr.2021.09.115</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127167005&amp;doi=10.1016%2Fj.matpr.2021.09.115&amp;partnerID=40&amp;md5=bc63c85d181250ba0f6db63568aa4a8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127167005&amp;doi=10.1016%2Fj.matpr.2021.09.115&amp;partnerID=40&amp;md5=bc63c85d181250ba0f6db63568aa4a8</a>
87	21-22	Experimental and mathematical analyses of process parameters for roll compaction of steel powder	Fatangade Y.P., Dhokey N.B., Poddar V.S.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2022.06.415">10.1016/j.matpr.2022.06.415</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134316962&amp;doi=10.1016%2Fj.matpr.2022.06.415&amp;partnerID=40&amp;md5=27842c5f5643a3d42f386278c70725ba">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134316962&amp;doi=10.1016%2Fj.matpr.2022.06.415&amp;partnerID=40&amp;md5=27842c5f5643a3d42f386278c70725ba</a>
88	21-22	Remarkable Effect of Graphene on the Properties of FeCoCrNi-Based High Entropy Alloy	Poddar V., Dhokey N., Gole A., Dongare R.	Springer Proceedings in Materials	<a href="https://doi.org/10.1007/978-981-16-3297-6_22">10.1007/978-981-16-3297-6_22</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127958680&amp;doi=10.1007%2F978-981-16-3297-6_22&amp;partnerID=40&amp;md5=01718f922a1ea593e805dd1b9822960e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127958680&amp;doi=10.1007%2F978-981-16-3297-6_22&amp;partnerID=40&amp;md5=01718f922a1ea593e805dd1b9822960e</a>
89	21-22	Study of synergy between photovoltaic, thermoelectric and direct evaporative cooling system for improved performance	Poddar V.S., Ranawade V.A., Dhokey N.B.	Renewable Energy	<a href="https://doi.org/10.1016/j.renene.2021.10.040">10.1016/j.renene.2021.10.040</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117901150&amp;doi=10.1016%2Fj.renene.2021.10.040&amp;partnerID=40&amp;md5=5f7e3e716e521da61b2eead3b8ddc312">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117901150&amp;doi=10.1016%2Fj.renene.2021.10.040&amp;partnerID=40&amp;md5=5f7e3e716e521da61b2eead3b8ddc312</a>
90	21-22	Investigation of Effects of Different Heat Treatment Cycles Combined with Quenching Partitioning Treatment on Mechanical Properties of High Carbon Spring Steel	Ranaware P.G., Rathod M.J., Dhorde V.G.	Springer Proceedings in Materials	<a href="https://doi.org/10.1007/978-981-16-3297-6_21">10.1007/978-981-16-3297-6_21</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127941350&amp;doi=10.1007%2F978-981-16-3297-6_21&amp;partnerID=40&amp;md5=3d8ffdf7f867d1b1bde6db199b9109494">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127941350&amp;doi=10.1007%2F978-981-16-3297-6_21&amp;partnerID=40&amp;md5=3d8ffdf7f867d1b1bde6db199b9109494</a>
91	21-22	Effect of gas nitrocarburizing post oxidation on electrochemical behaviour of AISI 4140 steel in neutral medium	Deshpande S.S., Deshpande P.P., Rathod M.J.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.09.332">10.1016/j.matpr.2021.09.332</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127107243&amp;doi=10.1016%2Fj.matpr.2021.09.332&amp;partnerID=40&amp;md5=49e99b578db794456f0bd99fc94b1b5c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127107243&amp;doi=10.1016%2Fj.matpr.2021.09.332&amp;partnerID=40&amp;md5=49e99b578db794456f0bd99fc94b1b5c</a>
92	21-22	Thermal barrier coatings: Review	Vagge S.T., Ghogare S.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.11.170">10.1016/j.matpr.2021.11.170</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131674922&amp;doi=10.1016%2Fj.matpr.2021.11.170&amp;partnerID=40&amp;md5=d2ba46fa00e615e1d78de1b75bef95a9">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131674922&amp;doi=10.1016%2Fj.matpr.2021.11.170&amp;partnerID=40&amp;md5=d2ba46fa00e615e1d78de1b75bef95a9</a>
93	21-22	Hot corrosion behaviour of Inconel 738 superalloy in presence of NaCl, Na2SO4, V2O5	Patil A.R., Vagge S.T.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2022.05.068">10.1016/j.matpr.2022.05.068</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130548232&amp;doi=10.1016%2Fj.matpr.2022.05.068&amp;partnerID=40&amp;md5=cc3d078bf8338934bf9ae765389afe57">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130548232&amp;doi=10.1016%2Fj.matpr.2022.05.068&amp;partnerID=40&amp;md5=cc3d078bf8338934bf9ae765389afe57</a>
94	21-22	Numerical investigation of galvanic corrosion between galvanized steel and mild steel in bolted joint	Kamble P.A., Deshpande P.P., Vagge S.T.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.09.316">10.1016/j.matpr.2021.09.316</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127179508&amp;doi=10.1016%2Fj.matpr.2021.09.316&amp;partnerID=40&amp;md5=fd643e89ccf426cbe1d552c287df185">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127179508&amp;doi=10.1016%2Fj.matpr.2021.09.316&amp;partnerID=40&amp;md5=fd643e89ccf426cbe1d552c287df185</a>
95	21-22	Synthesis and processing of thermal barrier coatings with the use of YSZ, LTA and LTA/YSZ	Vagge S.T., Paturkar A.B., Ghogare S.B.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.10.014">10.1016/j.matpr.2021.10.014</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123294982&amp;doi=10.1016%2Fj.matpr.2021.10.014&amp;partnerID=40&amp;md5=6e866541d3681a1afa9a93cf2d5f88e7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123294982&amp;doi=10.1016%2Fj.matpr.2021.10.014&amp;partnerID=40&amp;md5=6e866541d3681a1afa9a93cf2d5f88e7</a>
96	21-22	Tribological behaviour of LM25 hybrid metal matrix composites by using Taguchi's techniques	Mali A.S., Vagge S.T., Kolekar A.	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2021.09.221">10.1016/j.matpr.2021.09.221</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119378785&amp;doi=10.1016%2Fj.matpr.2021.09.221&amp;partnerID=40&amp;md5=cb354ccbe210cf3f71c56b531d8e9370">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119378785&amp;doi=10.1016%2Fj.matpr.2021.09.221&amp;partnerID=40&amp;md5=cb354ccbe210cf3f71c56b531d8e9370</a>
97	21-22	Hot Deformation Behavior and Processing Map of Cu-Cr-Nb-Zr Alloy	Krishna S.C., Muneshwar P., Pant B., Korla R.		<a href="https://doi.org/10.1007/s11665-021-06268-0">10.1007/s11665-021-06268-0</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115767131&amp;doi=10.1007%2F11665-021-06268-0&amp;partnerID=40&amp;md5=a2e7dd993a983bba1db8c371d81198f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115767131&amp;doi=10.1007%2F11665-021-06268-0&amp;partnerID=40&amp;md5=a2e7dd993a983bba1db8c371d81198f</a>
98	21-22	Crystallization and sintering studies on an anomalous Li2O-Al2O3-SiO2 glass for making tunable thermal expansion ceramic	Venkateswaran C., Sreemoolanadhan H.I., Pant B., Sharma S.C., Chauhan V.S., Vaish R.		<a href="https://doi.org/10.1111/jjag.15917">10.1111/jjag.15917</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104113074&amp;doi=10.1111%2Fjjag.15917&amp;partnerID=40&amp;md5=44cc06796d1f2e276dc3fd52b9e20421">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104113074&amp;doi=10.1111%2Fjjag.15917&amp;partnerID=40&amp;md5=44cc06796d1f2e276dc3fd52b9e20421</a>

**List of Publications 2019 - 2023**  
**Department of Metallurgy and Materials Engineering**  
**COEP Technological University Pune**

Sr No	Academic Year of publication	Title of paper	Name of the author/s	Name of Journals	DOI	National ( N ) / International ( I )	Link
99	21-22	Stress Corrosion Cracking Behavior of Selective Laser-Melted M300 Maraging Steel in 3.5 wt.% NaCl Solution	Anoop S., Venugopal A., Dineshraj S., Murty S.V.S.N., Pant B.		<a href="https://doi.org/10.1007/s11665-021-05913-y">10.1007/s11665-021-05913-y</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107630659&amp;doi=10.1007%2fs11665-021-05913-y&amp;partnerID=40&amp;md5=e805cecc26f3a885e63298525c23bbdc">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107630659&amp;doi=10.1007%2fs11665-021-05913-y&amp;partnerID=40&amp;md5=e805cecc26f3a885e63298525c23bbdc</a>
100	21-22	Tensile and Fracture Properties of Aluminium Alloy AA2219-T87 Friction Stir Weld Joints for Aerospace Applications	Manikandan P., Prabhu T.A., Manwatkar S.K., Rao G.S., Murty S.V.S.N., Sivakumar D., Pant B., Mohan M.		<a href="https://doi.org/10.1007/s11661-021-06337-y">10.1007/s11661-021-06337-y</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107503165&amp;doi=10.1007%2fs11661-021-06337-y&amp;partnerID=40&amp;md5=b17d20d59f989ceb11936da7557956f5">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107503165&amp;doi=10.1007%2fs11661-021-06337-y&amp;partnerID=40&amp;md5=b17d20d59f989ceb11936da7557956f5</a>
101	21-22	Metallurgical failure analysis of non-separation of isolation pyro valve used in space applications	Manwatkar S.K., Jalaja K., Dhanya M.S., Narayana Murty S.V.S., Sivakumar D., Pant B., Mohan M.		<a href="https://doi.org/10.1016/j.engfailanal.2021.1105469">10.1016/j.engfailanal.2021.1105469</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107676548&amp;doi=10.1016%2fj.engfailanal.2021.105469&amp;partnerID=40&amp;md5=6c7e7547efb8d324a01bd811f8463f4e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107676548&amp;doi=10.1016%2fj.engfailanal.2021.105469&amp;partnerID=40&amp;md5=6c7e7547efb8d324a01bd811f8463f4e</a>
102	22-23	Creep, recovery and dynamic mechanical properties of PEK/MWCNT nanocomposites	Kulthe M.G., Goyal R.K., Butee S.P.	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	10.1016/j.mseb.2022.115752	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131435534&amp;doi=10.1016%2fj.mseb.2022.115752&amp;partnerID=40&amp;md5=466113903879aef03f18ab05397e2623">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131435534&amp;doi=10.1016%2fj.mseb.2022.115752&amp;partnerID=40&amp;md5=466113903879aef03f18ab05397e2623</a>
103	22-23	Effect of mechanical alloying of Ti and B in pre alloyed gas atomized powder on carbide dispersed austenitic matrix of Iron based hardfacing alloy	Garbade R.R., Dhokey N.B.	Materials Characterization	10.1016/j.matchar.2022.112134	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134877826&amp;doi=10.1016%2fj.matchar.2022.112134&amp;partnerID=40&amp;md5=77103845b47e68283ca38f8379325b20">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134877826&amp;doi=10.1016%2fj.matchar.2022.112134&amp;partnerID=40&amp;md5=77103845b47e68283ca38f8379325b20</a>
104	22-23	Creep, recovery and dynamic mechanical properties of PEK/MWCNT nanocomposites	Kulthe M.G., Goyal R.K., Butee S.P.	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	<a href="https://doi.org/10.1016/j.mseb.2022.115752">10.1016/j.mseb.2022.115752</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131435534&amp;doi=10.1016%2fj.mseb.2022.115752&amp;partnerID=40&amp;md5=466113903879aef03f18ab05397e2623">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131435534&amp;doi=10.1016%2fj.mseb.2022.115752&amp;partnerID=40&amp;md5=466113903879aef03f18ab05397e2623</a>
105	22-23	Mapping the Accouterment Effects of Plasma Nitriding on AISI 316L in Biomedical Applications	Mali A.S., Vagge S.T., Rathod M.J.	Coatings	<a href="https://doi.org/10.3390/coatings13050839">10.3390/coatings13050839</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160408719&amp;doi=10.3390%2fcoatings13050839&amp;partnerID=40&amp;md5=679b556c97f56eb03211cf35027c5b60">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160408719&amp;doi=10.3390%2fcoatings13050839&amp;partnerID=40&amp;md5=679b556c97f56eb03211cf35027c5b60</a>
106	22-23	Optimisation of Diffusion Welding Parameters in Al-Cu Bimetal for Shaped Charge Application	Ingole S., Rathod M.J.	Indian Journal of Engineering and Materials Sciences	<a href="https://doi.org/10.56042/ijems.v1i1.65437">10.56042/ijems.v1i1.65437</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150015357&amp;doi=10.56042%2fijems.v1i1.65437&amp;partnerID=40&amp;md5=798a0a81cc04f20815150fe89b8286f2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150015357&amp;doi=10.56042%2fijems.v1i1.65437&amp;partnerID=40&amp;md5=798a0a81cc04f20815150fe89b8286f2</a>
107	22-23	A Review on Additive Manufacturing – Methods, Materials, and its Associated Failures	Gade S., Vagge S., Rathod M.	Advances in Science and Technology Research Journal	<a href="https://doi.org/10.12913/22998624/163001">10.12913/22998624/163001</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162107978&amp;doi=10.12913%2f22998624%2f163001&amp;partnerID=40&amp;md5=ab1f1989a68212543c9459cfc753ae8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162107978&amp;doi=10.12913%2f22998624%2f163001&amp;partnerID=40&amp;md5=ab1f1989a68212543c9459cfc753ae8</a>
108	22-23	Mapping the Accouterment Effects of Plasma Nitriding on AISI 316L in Biomedical Applications	Mali A.S., Vagge S.T., Rathod M.J.	Coatings	<a href="https://doi.org/10.3390/coatings13050839">10.3390/coatings13050839</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160408719&amp;doi=10.3390%2fcoatings13050839&amp;partnerID=40&amp;md5=679b556c97f56eb03211cf35027c5b60">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160408719&amp;doi=10.3390%2fcoatings13050839&amp;partnerID=40&amp;md5=679b556c97f56eb03211cf35027c5b60</a>
109	22-23	Effect of Oxidation and Hot Corrosion on Stress Corrosion Cracking Susceptibility of Inconel 738 Alloy	Patil A.R., Vagge S.T.	Strength of Materials	<a href="https://doi.org/10.1007/s11223-023-00551-2">10.1007/s11223-023-00551-2</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165889975&amp;doi=10.1007%2fs11223-023-00551-2&amp;partnerID=40&amp;md5=6ff67deefba5ad8bceb4950efc493f67">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165889975&amp;doi=10.1007%2fs11223-023-00551-2&amp;partnerID=40&amp;md5=6ff67deefba5ad8bceb4950efc493f67</a>
110	22-23	A Review on Additive Manufacturing – Methods, Materials, and its Associated Failures	Gade S., Vagge S., Rathod M.	Advances in Science and Technology Research Journal	<a href="https://doi.org/10.12913/22998624/163001">10.12913/22998624/163001</a>	I	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162107978&amp;doi=10.12913%2f22998624%2f163001&amp;partnerID=40&amp;md5=ab1f1989a68212543c9459cfc753ae8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162107978&amp;doi=10.12913%2f22998624%2f163001&amp;partnerID=40&amp;md5=ab1f1989a68212543c9459cfc753ae8</a>