

3.4.3 Publications by Faculty Members of the Department of Metallurgy and Materials Science in last 5 years along with link to journals and papers

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
						Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list/Scopus/Web of Science/other, mention?
Data Already Collected for NAAC and reverify with scopus / Google Scholars								
International Journals								
Academic year 16-17								
Study on Effect of Cubic- and Tetragonal Phased BaTiO ₃ on the Electrical and Thermal Properties of Polymeric Nanocomposites	A. A. Thanki, R. K. Goyal	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Mater ChemPhys, 183 (2016), 447-45610.1016/j.matchemphys.2016.08.052, pp: 447-456	2016-17	0254-0584	https://www.journals.elsevier.com/materials-chemistry-and-physics	https://www.sciencedirect.com/science/article/abs/pii/S0254058416306630	Yes

Tribological and Thermal Properties of Hexagonal Boron Nitride Filled High Performance Polymer Nanocomposites	R K Goyal, M Joshi, A. Goyal, S. Patil	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Journal of Applied Polymer Science, 2016 , 133, 44409 (1-9) DOI: 10.1002/app.44409	2016-17	0021-8995 (print) 1097-4628 (web)	https://onlinelibrary.wiley.com/journal/10974628	https://onlinelibrary.wiley.com/doi/abs/10.1002/app.44409	Yes
Polycarbonate based three-phase nanocomposite dielectrics	P. K. Sain, R. K. Goyal, Y.V.S.S. Prasad, A. K. Bhargava	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Materials Research Express, 3(8), (2016), 85016. doi:10.1088/2053-1591/3/8/085016	2016-17		https://iopscience.iop.org/journal/2053-1591	https://www.researchgate.net/publication/305994829_Polycarbonate_based_three-phase_nanocomposite_dielectrics	Yes
Single-Walled/ Multi-walled Carbon-Nanotube filled Polycarbonate Nanocomposites for Advanced Electronic Applications	P. Sain, R.K. Goyal, A.K. Bhargava, Y.V. S. S. Prasad,	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	J Electr Mater, 46(1) 2017, 458-466. DOI: 10.1007/s11664-016-4907-5, pp: 458-466	2016-17		https://www.springer.com/journal/11664	https://www.researchgate.net/publication/307953738_Electrical_Properties_of_Single-WalledMulti-Walled_Carbon-Nanotubes_Filled_Polycarbonate_Nanocomposites	Yes

Novel Polyacrylonitrile/Potassium Sodium Niobate Composites with Superior Dielectric and Thermal Properties	Kaustubh Kambale, Rajendra Goyal, Sandeep Butee, Rohan Parsewar, Hanmant Gawade, Sameer Shroff	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Composites Communications, 5 (2017), 8-12. doi.org/10.1016/j.composites.2017.04.003	2016-17	24522139	https://www.journals.elsevier.com/composites-communications	https://www.sciencedirect.com/science/article/abs/pii/S2452213916300778	Yes
Optimization of Cryosoaking Period and Microstructural Transformation on Wear Mechanism of SAE 8620 Gear Steel	P. Ghosh & N. B. Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Tribology Transactions, 2016, DOI: 10.1080/10402004.2016.1259435	2016-17	1040-2004	https://www.tandfonline.com/toc/utrb20/current	https://www.tandfonline.com/doi/abs/10.1080/10402004.2016.1259435	Yes

Refinement of tempered martensite structure and its effect on wear mechanism in SAE 8620	P. Ghosh & N. B. Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Tribology - Materials, Surfaces & Interfaces, 10:4, 178-184, DOI: 10.1080/17515831.2016.1262586	2016-17	1751584X, 17515831.	https://www.tandfonline.com/toc/utrb20/current	https://www.tandfonline.com/doi/abs/10.1080/17515831.2016.1262586?journalCode=utrb20	Yes
Conducting polyaniline/nano-zinc phosphate composite as a pigment for corrosion protection of low-carbon steel	Pravin P. Deshpande, Abhijit A. Bhopale, Vandana A. Mooss, Anjali A. Athawale	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Chem. Pap. 2016, DOI 10.1007/s11696-016-0082-7	2016-17	1336-9075	https://www.readcube.com/articles/10.1007/s11696-016-0082-7	https://link.springer.com/article/10.1007/s11696-016-0082-7	Yes
Conducting polyaniline nanocomposite-based paints for corrosion protection of steel	Dimitra Sazou, Pravin P. Deshpande	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Chem. Pap. DOI 10.1007/s11696-016-0044-0	2016-17	1336-9075	https://www.readcube.com/articles/10.1007/s11696-016-0082-7	https://link.springer.com/article/10.1007/s11696-016-0044-0	Yes

Shot peening in a novel centrifugal air blast reactor	P. G. Ranaware & M. J. Rathod	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Surface Engineering, DOI: 10.1080/02670844.2016.1204087	2016-17	0267-0844	https://www.tandfonline.com/toc/ysue20/current	https://www.tandfonline.com/doi/abs/10.1080/02670844.2016.1204087	Yes
Combined effect of shot peening, subcritical austenitic nitriding, and cryo-treatment on surface modification of AISI 4140 steel	P. G. Ranaware & M. J. Rathod	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Materials and Manufacturing Processes, DOI: 10.1080/10426914.2016.1221112	2016-17	1042-6914	https://www.tandfonline.com/toc/lmp20/current	https://www.tandfonline.com/doi/abs/10.1080/10426914.2016.1221112	Yes
Dissimilar Metal Joining of Pure Copper and Al 6061 by using Friction Stir Spot Welding	M. J. Rathod, Rajiv R. Devmore	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	INDIAN WELDING JOURNAL Volume 49 No. 4, October, 2016, pp: 64-70	2016-17	0046-9092	http://www.isscholar.in/index.php/IWJ	https://www.researchgate.net/publication/310954644_Dissimilar_Metal_Joining_of_Pure_Copper_and_Al_6061_by_Using_Friction_Stir_Spot_Welding	Yes

Designing Heat sequence of wrought iron in Ancient Vidarbha region of Maharashtra- A review	P.P.Deshpande and V.S. Shinde	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Trans of IIM Vol 70, Issue 2 doi-10.1007/s12666-016-0989-2	2016-17	0019-493X	https://link.springer.com/journal/12666/volumes-and-issues	https://www.researchgate.net/publication/310503309_Designing_Heat_Treatment_Sequence_of_Wrought_Iron_in_Ancient_Vidarbha_Region_of_Maharashtra_India_A_Review	Yes
Evaluation of alumina incorporated combined ceramic layer thermal barrier coating.	P Purohit, S T Vagge	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Surface and Coating Technology	2016-17	0257-8972	https://www.journals.elsevier.com/surface-and-coatings-technology	https://www.researchgate.net/publication/309088277_Evaluation_of_alumina_incorporated_combined_ceramic_layer_thermal_barrier_coating	Yes
Synergetic effect of thicker nanocrystalline structure with high amount of strain induced martensite on surface characteristics of plasma nitrided austenitic stainless steel	P.G. Ranaware, M.J. Rathod	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Surface & Coatings Technology, 302 (2016) 265–274, http://dx.doi.org/10.1016/j.surfcoat.2016.05.085	2016-17	0257-8972	https://www.journals.elsevier.com/surface-and-coatings-technology	https://www.researchgate.net/publication/303782506_Synergetic_effect_of_thicker_nanocrystalline_structure_with_high_amount_of_strain_induced_martensite_on_surface_characteristics_of_plasma_nitrided_austenitic_stainless_steel	Yes

Evolution of Thermoelectric β -FeSi ₂ Phase by Cryo Milling and sintering	V.S.Poddar, N.B. Dhokey, S.P.Butee, N.B.Revade, M.M.Thombre, R.D. Purohit, Deep Prakash	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Trans Indian Inst Met (2017) 70(1): 167-174, DOI 10.1007/s12666-016-0873-0	2016-17	0972-2815	https://link.springer.com/article/10.1007/s12666-017-1039-4	https://www.deepdyve.com/lp/springer-journals/evolution-of-thermoelectric-fesi2-phase-by-cryo-milling-and-sintering-OcaoULwSTX	Yes
Graphene oxide modified polyaniline pigment for epoxy based anti-corrosion coatings	Vandana A. Mooss, Abhijit A. Bhopale, Pravin P. Deshpande, Anjali A. Athawale	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Chemical Papers, 2017, DOI: 10.1007/s11696-017-0146-3	2016-17	1336-9075	https://www.springer.com/journal/11696	https://www.researchgate.net/publication/313837227_Graphene_oxide-modified_polyaniline_pigment_for_epoxy_based_anti-corrosion_coatings	Yes

Electrical properties of sodium beta-alumina ceramics synthesized by citrate sol-gel route using glycerine	S.P. Butee, K.R. Kambale, Mayur Firodiya	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Processing and Application of Ceramics, 10 (2016) 67-72.	2016-17	1820-6131	c/2406-1034?source=%7B%22query%22%3A%7B%22filtered%22%3A%7B%22filter%22%3A%7B%22boolean%22%3A%7B%22must%22%3A%5B%7B%22terms%22%3A%7B%22index.issn.exact%22%3A%5B%221820-6131%22%2C%221034%22%5D%7D%7D%5D%7D%7D%2C%22query%22%3A%7B%22match_all%22%3A%7B%7D%7D%7D%2C%22size%22%3A100%2C%22sort%22%3A%5B%7B%22created_date%22%3A%7B%22order%22%3A%7D%22desc%22%7D%7D%5D%2C%22_source%22%3A%7B%	https://www.ingentaconnect.com/content/doi/10.18206/18206131/2016/0000010/00000002/art00002;jsessionid=2noif2s3ghtl5.x-ic-live-03	Yes
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Effect of Nano Sized Starting Materials on the Dielectric and Ferroelectric Behaviour of Barium Titanate	K.R. Kambale, A.R. Kulkarni, N. Venkataramani	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Transactions of Powder Metallurgy Association of India, 42(2) (2016) 17-30.	2016-17	0377-9416	https://www.pmai.in/asset/PMAI_pdf/transactions/Transaction_Vol-42_No2_Dec2016.pdf	https://www.sourcesol.co.in/demo/pmai/en/asset/PMAI_pdf/transactions/Transaction_Vol-42_No2_Dec2016.pdf#page=24	Yes
Improvement in Transparency of Nd:YAG Ceramics through Hot Press Sintering	S.P. Butee, K.R. Kambale, Prashant Dixit, M.D. Joshi, S.A. Dhawanjewar	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Transactions of Powder Metallurgy Association of India, 42(1) (2016) 101-108.	2016-17	0377-9416	https://www.pmai.in/asset/PMAI_pdf/transactions/Transaction_Vol-42_No2_Dec2016.pdf	https://www.sourcesol.co.in/demo/pmai/en/asset/PMAI_pdf/transactions/Transaction_Vol-42_No2_Dec2016.pdf#page=24	Yes
Effect of Post - Sinter Annealing on the Properties of Ceramics	K.R. Kambale, S.P. Butee	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Metal Powder Report, 2017, doi.org/10.1016/j.mprp.2017.02.002)	2016-17	18734065, 00260657	https://www.journals.elsevier.com/metal-powder-report	https://scihub.mksa.top/10.1016/j.mprp.2017.02.002	Yes
National Conference (2016-2017): 02								

Flip side of improvement in fracture toughness of Barium titanate by addition of alumina	K.R. Kambale	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	XIX National Seminar on Ferroelectrics and Dielectrics ,19-21 Dec 2016, Dept of Physics, Maulana Azad NIT, Bhopal	2016-17				Yes
From lamination to forge welding technology in ancient and medieval India	P. P. Deshpande	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	5th Bharatiya Vigyan Sammelan & Expo 2017, 11 - 14 May 2017, Fergusson College, Pune.	2016-17				Yes
International Conference (2016-2017): 09								

Effect of addition of V ₂ O ₅ on the densification, dielectric and ferroelectric behaviour of Pb free K-Na- Niobate Ceramics	K.R. Kambale	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	International Conference on Technologically Advanced Materials and Asian Meeting on Ferroelectrics, 7-11 Nov 2016, University of Delhi	2016-17				Yes
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<p>Electrical Properties of Graphene/Polymer nanocomposites Prepared by a Simple Route</p>	<p>R K Goyal</p>	<p>Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India</p>	<p>International Conference on Advanced Rechargeable Batteries & allied Materials (ICARBM-2017), organized by Centre for Materials for Electronics Technology (C-MET) Pune during, March 8-9 2017,</p>	<p>2016-17</p>				<p>Yes</p>
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<p>Synthesis and Characterisation of ZnO-Bi₂O₅-CuO-V₂O₅ based High Voltage Varistor</p>	<p>S. P. Butee</p>	<p>Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India</p>	<p>International conference on Ceramics, Glass and Refractories - Emerging Innovations, 13-15 Dec 2016, IICT, Hyderabad, Telangana, India</p>	<p>2016-17</p>				<p>Yes</p>
<p>Corrosion behavior of SS316 in hank solution for biomedical applications</p>	<p>S.T. Vagge</p>	<p>Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India</p>	<p>NMD'16 "Metals, Materials and Manufacturing for a Self-Reliant India, 11-14 Nov'16, BHU-IIT, Banaras</p>	<p>2016-17</p>				<p>Yes</p>

Effect of particle size and process parameters on dimensional shrinkage of sintered compacts	N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	International conference on Powder Metallurgy and particulate Materials, PM 17, 20-22 Feb 2017, New Delhi	2016-17				Yes
Fabrication of Thermoelectric Generator for high temperature application using uncouples made from p-type and n-type β -Iron disilicide	V. Poddar	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	International conference on Powder Metallurgy and particulate Materials, PM 17, 20-22 Feb 2017, New Delhi	2016-17				Yes

Development of Near Net Shape Fe-Cu-C Sintered Powder Compacts Through Composition Control	S. P. Butee	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	European Powder Metallurgy World Congress-2016 Hamburg, 10-13 Oct 2016, Germany	2016-17					Yes
Recycling of mill scale for iron	N. B. Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	European Powder Metallurgy World Congress-2016 Hamburg, 10-13 Oct 2016, Germany	2016-17					Yes

3D printing of Bronze powder with variation in powder size distribution	M. J. Rathod, Tuhid Shaikh	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	International conference on Powder Metallurgy and particulate Materials, PM 17, 20-22 Feb 2017, New Delhi	2016-17					Yes
Academic year 17-18									
National Journals (2017-2018): 01									
Fabrication of Thermoelectric Generator for high temperature application using unicouples made from p-type and n-type β -Iron disilicide	R.Garbade, V. S. Poddar, N. B. Dhokey, D. Prakash, R. D. Purohit	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	TRANSACTIONS OF PMAI, VOL. 43 (1), JUNE 2017	2017-18					
International Journals (2017-2018): 16									

Influence of carbide density on surface roughness and quasi-stable wear behaviour of H13 die steel	Tarang Shinde, N. B. Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Surface Engineering	2017-18	0267-0844			Yes
Evolution of Tertiary Carbides and Its Influence on Wear Behavior, Surface Roughness and Fatigue Limit of Die Steels	Tarang Shinde, N. B. Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Springer Proceeding: Fatigue and Durability in 2016, 28-30 Sept 2016, IISc, Bangalore	2017-18	2195-4356			Yes
Influence of tertiary carbides on improving fatigue limit of H13 Die Steels	Tarang Shinde, N. B. Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Metallography, Microstructure and Analysis: Application and Innovation for Metals, Alloys and Engineering Materials	2017-18	21929262, 21929270			Yes

EVALUATION OF CORROSION PROTECTION PERFORMANCE OF CONDUCTING POLYANILINE/NANOZINC PHOSPHATE COATED LOW CARBON STEEL BY IMPEDANCE SPECTROSCOPY	Pravin Deshpande, Abhijit Bhopale, Vandana Mooss, Anjali Athawale	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	U.P.B. Sci. Bull., Series B, Vol. 79, Iss. 4, 2017	2017-18	1E+07			Yes
Electromagnetic Interference Shielding of Polycarbonate/ GNP Nanocomposites in X-band	Pratik Nimbalkar, Amit Korde, R. K. Goyal	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Mater Chem Phys, 206 (2018) doi.org/10.1016/j.matchemphys.2017.12.027	2017-18	0254-0584			Yes
Effect of manufacturing processes on percolation threshold and electrical conductivity of polymer/multi layers graphene nanocomposites	S. D. Gaikwad, R. K. Goyal	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Diamond and related Materials, 85 (2018), doi.org/10.1016/j.diamond.2018.03.029	2017-18	0925-9635			Yes

Effect of Scandium addition on evolution of microstructure, texture and mechanical properties of thermo-mechanically processed Al-Li alloy AA2195	M. Suresh, A. Sharma, A.M. More, N. Nayan, S. Suwas	Department of Materials Engineering, Indian Institute of Science, Bangalore 560012, India Materials and Mechanical Entity, Vikram Sarabhai Space Centre, Trivandrum 695022, India	Journal of Alloys and Compounds, 740 (2018) 364-374	2017-18	0925-8388			Yes
Effect of addition of V2O5 on the densification, dielectric and ferroelectric behavior of lead free potassium sodium niobate ceramics	K. R. Kambale, Sameer Shroff, S. P. Butee, Rajan Singh & A. R. Kulkarni	Department of Materials Engineering, Indian Institute of Science, Bangalore 560012, India Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay, Powai, Mumbai, India	Ferroelectrics, 2017, VOL. 518, 94–102	2017-18	0015-0193			Yes

Novel polyacrylonitrile/potassium sodium niobate composites with superior dielectric and thermal properties	K. R. Kambale, R. K. Goyal, S. P. Butee, R. Parsewar, H. Gawade, S. Shroff	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Composites Communications 5 (2017) 8–12	2017-18	2E+07			Yes
Effect of post-sinter annealing on the properties of ceramics	K.R. Kambale and S.P. Butee	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Metal Powder Report Volume 00, Number 00 March 2017	2017-18	18734065, 00260657			Yes
EFFECTS OF CHLORIDE IONS ON THE CORROSION RESISTANCE OF CONDUCTING POLYPYRROL E COATED STEEL IN SIMULATED CONCRETE PORE SOLUTION	Hema MUNOT, Pravin DESHPANDE, Chetankumar MODHERA	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	U.P.B. Sci. Bull., Series B, Vol. 79, Iss. 2, 2017	2017-18	1E+07			Yes

INQUEST OF STRUCTURAL AND OPTICAL PROPERTIES IN SINGLE PHASE LAPO4:TB3+ NANO PHOSPHOR FOR MULTICOLOR EMITTING LEDS	Abhilasha Jain, Prashant Kumar Gaikwad, Bilal Pirjade, Chahat Saiwal, S.J Dhoble, D.R Peshwe	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Journal of Research in Engineering and Applied Sciences	2017-18	2276-8467			Yes
High Temperature Uniaxial Compression and Stress-Relaxation Behavior of India-Specific RAFM Steel	NAIMISH S. SHAH, SAURAV SUNIL, and APU SARKAR	Department of Metallurgy and Materials Science College of Engineering Pune India Mechanical Metallurgy Division Bhabha Atomic Research Centre Mumbai India	METALLURGICAL AND MATERIALS TRANSACTIONS A	2017-18	1073-5623			Yes
Influence of Cryosoaking period on Wear characteristics and surface Topography of M35 Tool Steel	N. B. Dhokey, Priyanka Lalge	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Tribology – Materials, Surfaces & Interfaces	2017-18	1751584X, 17515831			Yes

Conducting Polypyrrole Coated Rebar in a Carbonated Concrete Pore Solution: Electrochemical Investigations	H. Munot, P. Deshpande, C. Modhera	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Portugaliae Electrochimica Acta 2018, 36(5), 365-375	2017-18	9E+06			Yes
Nano-TiO ₂ Phosphate Conversion Coatings – A Chemical Approach	Nilesh S. Bagal, Vaibhav S. Kathavate, and Pravin P. Deshpande	Dr. Daulatarao Aher College of Engineering, Karad 415124, MS, India National Institute of Ocean Technology, Pallikaranai, Chennai 600100, TN, India College of Engineering, Shivajinagar, Pune 411005, MS, India	Electrochem. Energy Technol. 2018; 4:47–54	2017-18	2300-3545			Yes
National Conference (2017-2018): 01								Yes

Boron steel for Agricultural implements	N.B.Dhokey, A.Nanaware, T.Bastewad	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	National Conference on Wear in Agriculture Implements and Machinery: Design, Materials, Process & Performance held on 8-9 June 2018 at College of Engineering Pune	2017-18					Yes
International Conference (2017-2018): 14									

Piezoelectric and Ferroelectric Properties of $Ba_{1-x}Pb_xTiO_3$, ($x=0-0.1$) Ceramics	Mohammed Faizan, S.P.Butee	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	EH-TACAG'17 81st Annual session of Indian Ceramic Society and International conference on "Expanding Horizons of Technological Applications of Ceramics and Glasses", 14-16 Dec 2017, COEP, Pune	2017-18				Yes
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<p>Fabrication and Characterization of β-FeSi₂ Thermoelectric device for high temperature application.</p>	<p>Bilal Pirjade, Onkar Khadse, V.Poddar, N.B.Dhokey</p>	<p>Department of Metallurgy and Materials Science, College of Engineering, Pune, India Powder Metallurgy Division, Bhabha Atomic Research Centre, Navi Mumbai, India</p>	<p>EH-TACAG'17 81st Annual session of Indian Ceramic Society and International conference on "Expanding Horizons of Technological Applications of Ceramics and Glasses", 14-16 Dec 2017, COEP, Pune</p>	<p>2017-18</p>				<p>Yes</p>
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<p>High Energy Density Ceramics for Shock Compressed Ferroelectric Generators</p>	<p>Priyangi Karajagikar, S.P.Butee</p>	<p>Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India</p>	<p>EH-TACAG'17 81st Annual session of Indian Ceramic Society and International conference on "Expanding Horizons of Technological Applications of Ceramics and Glasses", 14-16 Dec 2017, COEP, Pune</p>	<p>2017-18</p>				<p>Yes</p>
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<p>Synthesis, Fabrication and Electrical Characterisation of La₂Ti₂O₇ ceramics</p>	<p>Akash Mahajan, K.R. Kambale, S. P. Butee, T. Karthik, A.R. Kulkarni</p>	<p>Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India</p>	<p>EH-TACAG'17 81st Annual session of Indian Ceramic Society and International conference on "Expanding Horizons of Technological Applications of Ceramics and Glasses", 14-16 Dec 2017, COEP, Pune</p>	<p>2017-18</p>				<p>Yes</p>
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Synthesis and Electrical Properties of Sodium Beta Alumina Ceramics	Amruta Vairagade, Channabasavrajju, S.P.Butee, Kaustubh Kamble	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	EH-TACAG'17 81st Annual session of Indian Ceramic Society and International conference on	2017-18				Yes
Failure Analysis: Metallurgical investigation of AISI 440 C used in space application	Naimish Shah, Kapil Arora, N.B.Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	International Conference on Advanced Materials and Processes (ADMAT)-2017, Trivendrum, 14-16 Dec 2017	2017-18				Yes

<p>Estimation of creep properties by stress relaxation testing of RAFM steel</p>	<p>Naimish Shah, Apu Sarkar</p>	<p>Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India</p>	<p>IIM-NMD-ATM 2017, International symposium on "Lightweighting for defence, aerospace and transportation, 11-14 Nov 2017, BITS Pillani, Goa</p>	<p>2017-18</p>				<p>Yes</p>
<p>Study of metallurgical factors in improving service life of wire drawing carbide dies using cryogenic treatment</p>	<p>Shreyas Joglekar, Divyansh Saxena, N.B.Dhokey</p>	<p>Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India</p>	<p>2017 Cryogenic Engineering Conference and International Cryogenic Materials Conference, 9 - 13 Jul 2017, Madison, WI, USA</p>	<p>2017-18</p>				<p>Yes</p>

Study of Cryogenic Treatment and CrN coating to enhance wear resistance of EN45 steel	T.B.Bastewad,S .H.Thakare, A.N.Nanaware N.B.Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	IIM-NMD-ATM 2017, International symposium on "Lightweighting for defence, aerospace and transportation, 11-14 Nov 2017, BITS Pillani, Goa	2017-18				Yes
Review On High Nitrogen Steel (HNS)	A.Upadhye, P.Lalge, N.Shah, N.B.Dhokey, Thomas Tharian	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	IIM-NMD-ATM 2017, International symposium on "Lightweighting for defence, aerospace and transportation, 11-14 Nov 2017, BITS Pillani, Goa	2017-18				Yes

<p>Synthesis of AA 7075 – 10W.t% Graphite Composites</p>	<p>N.S. Nevase, S.S. Padwal, A.C. Vishwakarma, N.B. Dhokey</p>	<p>Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India</p>	<p>IIM-NMD-ATM 2017, International symposium on “Lightweighting for defence, aerospace and transportation, 11-14 Nov 2017, BITS Pillani, Goa</p>	<p>2017-18</p>				<p>Yes</p>
<p>Evolution of Tertiary Carbides and Its Influence on Wear Behavior, Surface Roughness and Fatigue Limit of Die Steels (Conference Proceeding)</p>	<p>Prof. N.B. Dhokey, T. Shinde</p>	<p>Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India</p>	<p>Proceedings of Fatigue, Durability and Fracture Mechanics, Jan 2018</p>	<p>2017-18</p>				<p>Yes</p>

Use of high-speed photography to track and analyze melt pool quality in selective laser sintering (Conference Proceeding)	Prof. M.J. Rathod, P.P. Rege, Sourin Ghosh	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	2nd International Conference on Computer Vision and Image Processing, 12 April 2018	2017-18				Yes
Oxidation behavior of LTA/YSZ intermixed layer coating (Book Chapter)	Prof. S.T. Vagge, P. Purohit	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Production, Properties, and Applications of High Temperature Coatings, January, 2018	2017-18				Yes
Academic year 18-19								
International Journals (2018-2019): 06								

Dissolution and Erosion Behavior of AISI H13 Shot Sleeve in High Pressure Die Casting Process	Hardik Vachhani, Manoj Rathod, R.Shah	(1) Department of Metallurgy and Materials Science, College of Engineering Pune, Shivaji Nagar, 411005 Pune, India (2) Jaya-Hind Industries Ltd., Akurdi, 411035 Pune, India	Engineering Failure Analysis	2018-19	1350-6307	https://www.journals.elsevier.com/engineering-failure-analysis	https://www.sciencedirect.com/science/article/abs/pii/S1350630717309329	Yes
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Effects of conductive polymers (type and concentration) in coatings with zinc particles of different shapes	M. Kohl, Andrea Kalendová, Pravin Pralhad Deshpande, E. Schmidová	(1) Faculty of Chemical Technology, Institute of Chemistry and Technology of Macromolecular Materials, University of Pardubice, Studentská 573, 532 10, Pardubice, Czech Republic (2) Faculty of Chemical Technology, Institute of Chemistry and Technology of Macromolecular Materials, University of Pardubice, Studentská 573, 532 10, Pardubice, Czech Republic (3) Department of Metallurgy and Material Science, College of Engineering Pune, Pune, MS	Journal of Coatings Technology and Research	2018-19	1547- 0091	https://www.springer.com/journal/11998	https://link.springer.com/article/10.1007/s11998-018-00169-z	Yes
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<p>Comparative study on hot deformation behaviour of P91, RAFM-CLAM and Low C RAFM-CLAM steels by processing maps</p>	<p>Naimish S. Shah, Jayanta K. Chakravartty, Apu Sarkar</p>	<p>(1) Department of Metallurgy and Materials Science, College of Engineering, Pune 411005, India (2) Mechanical Metallurgy Division, Bhabha Atomic Research Centre, Mumbai 400085, India</p>	<p>Fusion Engineering and Design</p>	<p>2018-19</p>	<p>0920-3796</p>	<p>https://www.journals.elsevier.com/fusion-engineering-and-design</p>	<p>https://www.researchgate.net/publication/329044154_Comparative_study_on_hot_deformation_behaviour_of_P91_RAFAFM-CLAM_and_Low_C_RAFAFM-CLAM_steels_by_processing_maps</p>	<p>Yes</p>
<p>Studies of wear behavior and DBTT in subzero regimes of cryo treated High Nitrogen Martensitic Stainless Steel (HNMS)</p>	<p>Naimish Shah, Kapil Arora, Narendra Dhokey, N. Dileep Kumar, K. T. Tharian</p>	<p>(1) Department of Metallurgy and Materials Science, College of Engineering, Pune, 411005, India (2) Materials and Manufacturing Entity, Liquid Propulsion Systems Centre - ISRO, Trivandrum, 695547, India</p>	<p>Transactions of the Indian Institute of Metals, Online Available: Feb 2019</p>	<p>2018-19</p>	<p>0972-2815</p>	<p>https://www.springer.com/journal/12666</p>	<p>https://www.researchgate.net/publication/331135263_Studies_on_Wear_Behaviour_and_DBTT_in_Subzero_Regimes_of_Cryo-Treated_High_Nitrogen_Martensitic_Stainless_Steel_HNMS</p>	<p>Yes</p>

<p>Conducting Polypyrrole Coated Rebar in a Carbonated Concrete Pore Solution: Electrochemical Investigations</p>	<p>H. Munot, P. Deshpande, C. Modhera</p>	<p>(1) National Centre for Cell Science, Pune University Campus, Ganeshkhind, Pune-411007, India (2) Department of Metallurgy and Materials Science, College of Engineering, Pune 411005, India (3) SV National Institute of Technology, Surat</p>	<p>Portugaliae Electrochimica Acta 2018, 36(5), 365-375</p>	<p>2018-19</p>	<p>9E+06</p>	<p>http://www.peacta.org/</p>	<p>http://www.peacta.org/articles_upload/PEA_36_5_2018_365_375.pdf</p>	<p>Yes</p>
<p>Electrochemical Investigations on Semi-conducting Properties of a Passive Film on Conducting Polypyrrole Coated Low Carbon Steel in a Simulated Concrete Pore Solution</p>	<p>H. Munot, P. Deshpande, C. Modhera</p>	<p>Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India</p>	<p>Portugaliae Electrochimica Acta 2019, 37(1), 43-50</p>	<p>2018-19</p>	<p>9E+06</p>	<p>http://www.peacta.org/</p>	<p>http://www.peacta.org/articles_upload/PEA_37_1_2019_43_50.pdf</p>	<p>Yes</p>
<p>International Conference (2018-2019):13</p>								

Effect of process variables on porosity and structure properties of PM sintered steel	Sardey Rigved Pravin, Jin Yang, Jose Antonic Calero, Narendra Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2018-19				Yes
Harvesting energy from waste heat by thermoelectrics of transition metal silicides An overview	V. S. Poddar, N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2018-19				Yes
Development of eutectic high entropy alloy CoCrFeNiMx synthesied from elemental powders through arc melting route	S B Gore, V. S. Poddar, N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2018-19				Yes

Modificatin of surface topography of irregular shape iron powder by mechanical alloying	Jay Runwal, Revati Ambekar, N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2018-19				Yes
Overview on manufacturing of reduced iron powder from mill scale	P C Jikar, N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2018-19				Yes
Characterizatio n of intrinsic n-type thermoelectric materials CoSi ₂ and Mg ₂ Si synthesized by powder matallurgy	Neha Vemula, Sayali Patil, N B Dhokey, V S Poddar	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2018-19				Yes

Modelling of oxidation phenomenon of mill scale and experimental analysis of influencing parameters	R. Sabban C. Tadwarkar, P C Jikar, N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2018-19				Yes
Investigation on Ta doped PZT95/5 ferroelectric ceramics for pulsed power applications	Priyangi Karanjikar, Praveen Kumar, S P Buttee, K R Kamble	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2018-19				Yes
Evaluation of machining performance of PM fabricated NBC reinforced HSS tool insert	Vijay Thavale, N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2018-19				Yes
Synthesis of Al 7075-B4C composite by hot press sintering method and its wear response	S U Dangarikar, N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2018-19				Yes

Heat treatment and mechanical properties sintered medium carbon steel B4C mechanical alloy	Ranjeet Shirole, Shahanawaz Khan, K R Kamble, S P Buttee	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2018-19				Yes
Investigation on the mechanism of synthesis of Zinc Niobate precursor by CO-precipitation method	Nikhil P. Sileum, Ajinkya Ghorpade, S P Buttee, K R Kamble	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2018-19				Yes
Effect of sintering method on the densification, microstructure and die-electric behavior of A/N ceramics	Akash Mahajan, K R Kamble, S P Buttee	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2018-19				Yes
Academic year 19-20								
International Journals (2018-2019): 06								

Dissolution and Erosion Behavior of AISI H13 Shot Sleeve in High Pressure Die Casting Process	Hardik Vachhani, Manoj Rathod, R.Shah	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Engineering Failure Analysis	2019-20	1350-6307			Yes
Effects of conductive polymers (type and concentration) in coatings with zinc particles of different shapes	M. Kohl, Andrea Kalendová, Pravin Pralhad Deshpande, E. Schmidová	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Journal of Coatings Technology and Research	2019-20	1547-0091			Yes
Comparative study on hot deformation behaviour of P91, RAFM-CLAM and Low C RAFM-CLAM steels by processing maps	Naimish S.Shah, Jayanta K.Chakravartty, ApuSarkar	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Fusion Engineering and Design	2019-20	0920-3796			Yes
Studies of wear behavior and DBTT in subzero regimes of cryo treated High Nitrogen Martensitic Stainless Steel (HNMS)	Naimish Shah, Kapil Arora, Narendra Dhokey, N. Dileep Kumar, K. T. Tharian	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Transactions of the Indian Institute of Metals, Online Available: Feb 2019	2019-20	0972-2815			Yes

Conducting Polypyrrole Coated Rebar in a Carbonated Concrete Pore Solution: Electrochemical Investigations	H. Munot, P. Deshpande, C. Modhera	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Portugaliae Electrochimica Acta 2018, 36(5), 365-375	2019-20	9E+06			Yes
Electrochemical Investigations on Semi-conducting Properties of a Passive Film on Conducting Polypyrrole Coated Low Carbon Steel in a Simulated Concrete Pore Solution	H. Munot, P. Deshpande, C. Modhera	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Portugaliae Electrochimica Acta 2019, 37(1), 43-50	2019-20	9E+06			Yes
National Conference (2018-2019): 00								
	Nil			2019-20				
International Conference (2018-2019):13								
Effect of process variables on porosity and structure properties of PM sintered steel	Sarvey Rigved Pravin, Jin Yang, Jose Antonic Calero, Narendra Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2019-20				Yes

Harvesting energy from waste heat by thermoelectrics of transition metal silicides An overview	V. S. Poddar, N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2019-20				Yes
Development of eutectic high entropy alloy CoCrFeNiMx synthesied from elemental powders through arc melting route	S B Gore, V. S. Poddar, N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2019-20				Yes
Modificatin of surface topography of irregular shape iron powder by mechanical alloying	Jay Runwal, Revati Ambekar, N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2019-20				Yes

Overview on manufacturing of reduced iron powder from mill scale	P C Jikar, N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2019-20				Yes
Characterization of intrinsic n-type thermoelectric materials CoSi ₂ and Mg ₂ Si synthesized by powder metallurgy	Neha Vemula, Sayali Patil, N B Dhokey, V S Poddar	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2019-20				Yes
Modelling of oxidation phenomenon of mill scale and experimental analysis of influencing parameters	R. Sabban C. Tadwarkar, P C Jikar, N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2019-20				Yes

Investigation on Ta doped PZT95/5 ferroelectric ceramics for pulsed power applications	Priyangi Karanjikar, Praveen Kumar, S P Buttee, K R Kamble	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2019-20				Yes
Evaluation of machining performance of PM fabricated NBC reinforced HSS tool insert	Vijay Thavale, N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2019-20				Yes
Synthesis of Al 7075-B4C composite by hot press sintering method and its wear response	S U Dangarikar, N B Dhokey	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2019-20				Yes
Heat treatment and mechanical properties sintered medium carbon steel B4C mechanical alloy	Ranjeet Shirole, Shahanawaz Khan, K R Kamble, S P Buttee	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	APMA 2019 5th international conference on Powder Metallurgy	2019-20				Yes

Effect of milling parameters on emi shielding of the pes/mwcnt nanocomposites	Verma, R., Rathod, M.J., Goyal, R.K.	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	2021 International Conference on Cutting-edge Research in Material Science and Chemistry, CRMSC 2021; Manipal University Jaipur; India; 11 January 2021 through 12 January 2021; Code 168491	2020-21		https://www.materialstoday.com/materials-chemistry/events/international-crmsc2021/	https://www.scopus.com/record/display.uri?eid=2-s2.0-85105481300&origin=inward&txGid=c96cdeb9539c31fa3334ea282b0a72c6	Yes
Evaluation of mechanical properties of cold roll bonded mild steel and aluminum	Poddar, V.S., Rathod, M.J.	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Materials Today: Proceedings, Volume 43, 2021	2020-21		https://www.materialstoday.com/materials-chemistry/events/international-crmsc2021/	https://www.scopus.com/record/display.uri?eid=2-s2.0-85105457081&origin=inward&txGid=b8d473f7bd4c58cc94d6ac44c23f4846	Yes

Investigation of nanocrystallization behaviour of aisi 316 stainless steel under adiabatic and non-adiabatic severe plastic deformation conditions	Prakash G.Ranaware Ma noj J.Rathod Chaita nya Bakare	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Materials Today: Proceedings, Volume 43, 2021	2020-21		https://www.materialstoday.com/materials-chemistry/events/international-crmsc2021/	https://www.sciencedirect.com/science/article/pii/S2214785321005022#!	Yes
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.	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Nanotechnology this link is disabled, 2020, 31(38), 385702	2020-21	385702	https://iopscience.iop.org/	https://iopscience.iop.org/article/10.1088/1361-6528/ab97d3	Yes

<p>A review on the effect of processing techniques and functionalization of filler on mechanical properties of polymer nanocomposites</p>	<p>Verma, R., Rathod, M.J., Goyal, R.K</p>	<p>Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India</p>	<p>IOP Conference Series: Materials Science and Engineering this link is disabled, 2020, 798(1), 012031</p>	<p>2020-21</p>		<p>https://iopublishing.org/mse-forthcoming-volumes/</p>	<p>https://iopscience.iop.org/article/10.1088/1757-899X/798/1/012031</p>	<p>Yes</p>
<p>Electrical, mechanical, and electromagnetic interference shielding properties of poly(ether-ketone)-MWCNT nanocomposites</p>	<p>MG Kulthe, SP Butee and RK Goyal</p>	<p>Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India</p>	<p>Journal of Materials Science: Materials in Electronics</p>	<p>2020-21</p>	<p>18085–18095 (2020)</p>	<p>https://www.springer.com/journal/10854</p>	<p>https://link.springer.com/article/10.1007/s10854-020-04359-7</p>	<p>Yes</p>

Improvement in Mechanical Properties of 42CrMo4 Steel Through Novel Thermomechanical Processing Treatment	Arun S Thakare, SP Butee and K.R.Kambale	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Metallography, Microstructure, and Analysis	2020-21	759–773 (2020)	https://www.springer.com/journal/13632	https://link.springer.com/article/10.1007/s13632-020-00684-9	Yes
Microstructural aspects of tensile strength, toughness and wear for 34CrMo4 steel	Arun S Thakare, SP Butee and K.R.Kambale	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Materials Today: Proceedings, Volume 43, 2021	2020-21		https://www.materialstoday.com/materials-chemistry/events/international-crmsc2021/	https://www.sciencedirect.com/science/article/pii/S2214785321004181	Yes
Improved process for synthesizing n-type and p-type β -FeSi ₂ thermoelectric material from attritor milled powder	V.S.Poddara, N.B.Dhokey, S.P.Butee, A.N.Walimbe, P.D.Gaikwad, S.Vhora, DebanikRoy, DeepPrakash, R.D.Purohit and R.K.Sinha	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Materials Today: Proceedings, Volume 43, 2021	2020-21		https://www.materialstoday.com/materials-chemistry/events/international-crmsc2021/	https://www.sciencedirect.com/science/article/pii/S2214785321007525	Yes

Role of nano TiO ₂ and nano ZnO particles on enhancing the electrochemical and mechanical properties of electrochemically deposited phosphate coatings	V.S. Kathavte and P.P. Deshpande	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Journal of Applied Physics	2020-21	125902	https://www.sciencedirect.com/journal/surface-and-coatings-technology	https://www.sciencedirect.com/science/article/abs/pii/S0257897220305715	Yes
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	V.S. Kathavate, D.N. Pawar and P.P. Deshpande	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Journal of Alloys and Compounds	2020-21	153812	Journal of Applied Physics (scitation.org)	https://www.sciencedirect.com/science/article/abs/pii/S0925838820301754#!	Yes

Fabrication and characterization of zinc oxide piezoelectric MEMS resonator	P.P. Deshpande. RS Pande and RM Patrikar	Department of Metallurgy and Materials Science, College of Engineering, Shivajinagar, Pune 411005, India	Microsystem Technologies	2020-21	415–423 (2020)	https://www.springer.com/journal/542	https://link.springer.com/article/10.1007/s00542-019-04509-w	Yes
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