

G. S. Mandal's
Maharashtra Institute of Technology, Chhatrapati Sambhajnagar (Aurangabad)
Plastic and Polymer Engineering Department

Journal Papers Published

2024-25

Sl. No.	Title of the paper	Author/ co-author	Journal/ publisher	SCI/ Non-SCI	International / National	Volume (year) Page no.
	Publication in National/ International Journals					
1	Enhanced some mechanical and thermal properties of epoxy nanocomposites via hybrid nano filler reinforcement, Graphene, Alumina and Silica”	Vijendra Rajendra Chaudhari, RSN Sahai	Journal of Polymer Engineering	SCI	International De Gruyter	Vol. 25, Issue 5 2024 2024-25
2	Optimizing Brake Lever Design for Electric Two-Wheelers: A Comparative Study of 3D Printed Polymers	Saurabh Tayde, Ajinkya Satdive	Research Square Pre print	SCI	06.11.2024	

2023-24

Sl. No.	Title of the paper	Author/ co-author	Journal/ publisher	SCI/ Non-SCI	International / National	Volume (year) Page no.
	Publication in National/ International Journals					
1	Kinetics of microwave-assisted synthesis of ethyl hexanoate by using heterogeneous catalyst: process intensification and energy consumption analysis	Aarti Mulay	Journal of Microwave Power and Electromagnetic Energy	SCI	International	5 Feb 2024

2	A Critical Review on Hydrogen Based Fuel Cell Technology and Applications	Prashant Gupta	The Chemical Record	SCI	International	Jan.2024
3	Effect of carbons' structure and type on AC electrical properties of polymer composites: predicting the percolation threshold of permittivity through different models	Prashant Gupta	Colloid and Polymer Scienc	SCI	International 12/05/23	Aug 2023

2022-23

Sl. No.	Title of the paper	Author/ co-author	Journal/ publisher	SCI/ Non-SCI	International / National	Volume (year) Page no.
1 Review	Combined microfluidics and drying processes for the continuous production of micro-/nanoparticles for drug delivery: a review DOI: :https://doi.org/10.1080/07373937.2023.2167827	Ankit Patil, Pritam Patil, Sagar Pardeshi, Preena Shrimal, Norma Rebello, Popat B. Mohite, Aniruddha Chatterjee , Arun Mujumdar & Jitendra Naik*	Drying Technology Impact Factor: 3.556	SCI	International 09/01/2023 2022-23	(2023) 1-36
2 Review	Nanotherapeutics for pulmonary drug delivery: An emerging approach to overcome respiratory diseases DOI: https://doi.org/10.1016/j.jddst.2023.104261	Eknath Kole, Krishna Jadhav, Nitin Sirsath, Prashik Dudhe, Rahul K Verma, Aniruddha Chatterjee , Jitendra Naik*	Journal of Drug Delivery Science and Technology Impact Factor: 5.062	SCI	International 13/02/2023 2022-23	81 (2023) 104261
3	Corrosion and Mechanical Aspects of Friction Stir Welded AA6061 Joints: Effects of Different Backing Plates DOI: https://doi.org/10.1007/s11665-023-07900-x	Bhardwaj Kulkarni*, Sandeep Pankade, Saurabh Tayde & Santosh Bhosle	Journal of Materials Engineering and Performance	SCI	International 13/01/2023 2022-23	(2023)
4	Morphological Alterations in WO ₃ -SnO ₂ Heterostructures and their Effects on Chlorine Sensing, DOI: https://doi.org/10.1016/j.snb.2023.133800	Prasad Kulkarni, Amey Kulkarni, Ramireddy Boppella, Habib M. Pathan*, Aniruddha Chatterjee , Suvarna R. Bathe*, Nilesh L. Tarwal, and Shrivanti Joshi*	Sensors & Actuators: B. Chemical Impact Factor: 9.221	SCI	International 07/04/2023 20 2022-23	388 (2023) 133800
5	Anti-wear (AW) and extreme-pressure (EP) behavior of jojoba oil dispersed with green additive CaCO ₃	Trishul Kulkarni; Bhagwan G Toksha; Aniruddha Chatterjee ; Jitendra Naik; Arun Autee	Journal of Engineering and Applied Science	Non-SCI	International 21/04/2023 2022-23	70 (2023), 29

	nanoparticles, DOI: https://doi.org/10.1186/s44147-023-00202-y		<i>Impact Factor: 0.82</i>			
6	Synthesis and Anti-Tubercular Screening of 8-Benzyloxy-5-[2-(Substituted-Phenyl)-Thiazol-4-yl]-1H-Quinolin-2-One Derivatives, DOI: https://doi.org/10.1080/10406638.2023.2209257	Vijay Kadam, Tukaram S. Choudhare, Devendra S. Wagare, Aniruddha Chatterjee , and Prashant D. Netankar	Polycyclic Aromatic Compounds <i>Impact Factor: 2.195</i>	SCI	International 10/05/2023 2022-23	2023
7	Superhydrophobic Hybrid Nanocomposites: Mapping the current research trends and recent advances, DOI: https://doi.org/10.1016/j.ces.2023.118941	Ajinkya Satdive, Saurabh Tayde , Bhagwan Toksha, Debasree Kund, Jitendra Naik, Chinmay Hazra*, Shravanti Joshi*, Aniruddha Chatterjee*	Chemical Engineering Science Impact Factor: 4.889	SCI	International 27/05/2023 2022-23	(2023) 118941
8	Effect of polyethylene terephthalate fiber reinforced with non-hydrophilic nano-silica on the mechanical, thermic, and chemical shielding characteristics of saturated polyurethane composite	Pramod C. Nikam Adarsh R. Rao Vikrant V. Shertukde	J. Appl. Polym. Sci. 2022, e53334. Wiley, Impact Factor: 3.0	SCI	International 22-23	Oct. 2022(1-15)
9	Synthesis of castor oil-based glycidyl carbamate polyurethane elastomer and its effect on toughening of polyoxymethylene	Satyajit Babar, Kevin Ebenezer, Divya Mishra, Hrushikesh B. Patil, Pramod Nikam, and	J Material Science, Springer, Impact Factor: 3.5	SCI	International	April 2023(1-14)

2021-22

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Publication in National/ International Journals						
1	Hierarchical CaTiO ₃ microspheres for acetone sensing DOI: https://doi.org/10.1016/j.snb.2022.131621	Shravanti Joshi, Shyam Tonde , Uday Wakhure, Deepak Bornare, Aniruddha Chatterjee , Kaleemuddin Syed, Manorama V. Sunkara	Sensors and Actuators: B. Chemical <i>Impact Factor: 7.46</i>	SCI	International 23/02/2022 2021-22	359 (2022) 131621
2 Review	A Review on Biodegradable Packaging Films from Vegetative and Food Waste DOI: https://doi.org/10.1002/tcr.202100326	Prashant Gupta , Bhagwan Toksha, Mostafizur Rahaman	The Chemical Record <i>Impact Factor: 6.771</i>	SCI	International 07/03/2022 2021-22	(2022) e202100326

3 #	Influence of clay concentration on the absorption and rheological attributes of modified cellulose /acrylic acid based hydrogel and the application of such hydrogel DOI: https://doi.org/10.1016/j.matchemphys.2022.125942	Suranjana Datta Chaudhuri, Ayan Dey, Shweta Upganlawar, Debabrata Chakrabarty	Materials Chemistry and Physics <i>Impact Factor:</i> 4.094	SCI	International 27/02/2022 2021-22	282 (2022) 125942
4	Predicting Percolation Threshold Value of EMI SE for Conducting Polymer Composite Systems Through Different Sigmoidal Models DOI: https://doi.org/10.1007/s11664-022-09444-7	MostafizurRahaman, Prashant Gupta, Mokarram Hossain, Ali Aldalba-hi	Journal of Electronic Materials <i>Impact Factor:</i> 1.938	SCI	International 06/02/2022 2021-22	51 (2022) 1788– 1803
5	Ultrasound-assisted synthesis of ethyl hexanoate using heterogeneous catalyst: Optimization using Box-Behnken design DOI: https://doi.org/10.1016/j.jics.2022.100573	Aarti Mulay, V. K. Rathod	Journal of the Indian Chemical Society <i>Impact Factor:</i> 0.243	SCI	International 17/06/2022 2021-22	99 (2022) 100573
6	Biosurfactant assisted in situ green and clean preparation route for layered double hydroxides and their green metrics-based sustainability assessment DOI: https://doi.org/10.1016/j.ccej.2022.138996	Chinmay Hazra, ShyamTonde, BuddhadasDhanvijay, Debasree Kundu, Ajinkya Satdive, Saurabh Tayde,BhagwanToksha, Jitendra Naik, Aniruddha Chatterjee	Chemical Engineering Journal <i>Impact Factor:</i> 16.744	SCI	International 31/08/2022 22-23	451 (2023) 138996
7	Time derivative of DSC and dielectric analysis of elastomeric poly(thiourethane–urethane)/Cloisite 30B clay nanocomposites DOI: https://doi.org/10.1007/s13726-022-01103-2	Subhendu Bhandari, Suryakanta Nayak, Ramon Artiaga, Prasanta Kumar Guchhait	Iranian Polymer Journal <i>Impact Factor:</i> 2.485	SCI	International 27/09/2022 22-23	(2022)
8	Kinetics, mass transfer, and thermodynamics of Ethyl Hexanoate synthesis using heterogeneous catalyst DOI: https://doi.org/10.1016/j.cdc.2022.100916	Aarti Mulay, V.K. Rathod*	Chemical Data Collections	Non-SCI	International 24/8/2022 2022-23	41 (2022) 100916
9 Review	Recent Developments and Research Avenues for Polymers in Electric Vehicles DOI: https://doi.org/10.1002/tcr.202200186	Gupta, P., Toksha, B., Patel, B., Rushiya, Y.,Das, P., &Rahaman, M.	The Chemical Record <i>Impact Factor:</i> 6.771	SCI	International 12/08/2022 2022-23	22(11), e202200 186.
10	Enhancement of thermo-mechanical and chemical resistance properties of	Pramod C. Nikam, Adarsh R. Rao , V.V. Shertukde	Materials Today Communication s,Elsevier,	SCI	International 21-22	Sep. 2021(1- 11)

	polyurethane composite reinforced with hydrophobic nano-silica and scrape PET derived bis (2-hydroxyethyl terephthalate)		Impact Factor: 3.7			
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2020-21

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	Publication in National/ International Journals					
1	Microstructure, magnetic, and dielectric interplay in NiCuZn ferrite with rare earth doping for magneto-dielectric applications DOI: https://doi.org/10.1016/j.jmmm.2021.168229	B.B. Raje Shaikh, Bhagwan G. Toksha, Sagar E. Shirsath, Aniruddha Chatterjee , ShyamTonde, Syed QadeeruddinChishty	Journal of Magnetism and Magnetic Materials Impact Factor: 2.993	SCI	International 19/06/21 2020-21	537 (2021) 168229
2	Kinetics of ultrasound-assisted esterification of maleic acid and butanol using heterogeneous catalyst DOI: 10.1002/kin.21427	Aarti Mulay , Virendra K. Rathod	International Journal of Chemical Kinetics Impact Factor: 1.531	SCI	International 07/10/20 2020-21	53 (2021) 84-94
3 Review	Cellulose bionanocomposites for sustainable planet and people: A global snapshot of preparation, properties, and applications DOI: https://doi.org/10.1016/j.carpta.2021.100065	Yogesh Khairnar, Dharmesh Hansora, Chinmay Hazra, Debasree Kundu, Saurabh Tayde , ShyamTonde, Jitendra Naik, Aniruddha Chatterjee	Carbohydrate Polymer Technologies and Applications	SCI	International 25/03/21 2020-21	2 (2021) 100065
4	Microwave-assisted heterogeneous esterification of dibutyl maleate: Optimization using Response Surface Methodology DOI: https://doi.org/10.1016/j.cdc.2021.100740	Aarti Mulay , V. K. Rathod	Chemical Data Collections	Non-SCI	International 09/06/2021 2020-21	34 (2021) 100740

5 Review	Nanofertilizers: A review on synthesis and impact of their use on crop yield and environment DOI: https://doi.org/10.1016/j.eti.2021.101986	BhagwanToksha, Vinay Alias Manish Sonawale, Abhishek Vanarase, Deepak Bornare, ShyamTonde, Chinmay Hazra, Debasree Kundu, Ajinkya Satdive, Saurabh Tayde, Aniruddha Chatterjee	Environmental Technology & Innovation	SCI	International 25/09/2021 2021-22	24 (2021) 101986
6	High density polyethylene and metal oxides based nanocomposites for high voltage cable application DOI: https://doi.org/10.1002/app.51787	Mobasserul Islam, MostafizurRahaman, Ali Aldalbahi, BibhudattaPaikaray, JayakrushnaMoharana, Subhadip Mondal, Narayan Ch. Das, Prashant Gupta, Radhashyam Giri	Journal of Applied Polymer Science <i>Impact Factor:3.125</i>	SCI	International 21/10/2021 2021-22	139 (2022) 51787
7	1D sub 10 nm nanofabrication of ultrahydrophobic Ag@TiO ₂ nanowires and their photocatalytic, UV shielding and antibacterial properties DOI: https://doi.org/10.1016/j.appt.2021.103404	ShyamTonde, Shrikant More, Chinmay Hazra, Debasree Kundu, Shravanti Joshi, Ajinkya Satdive, Saurabh Tayde, Deepak Bornare, BhagwanToksha, Jitendra Naik, Aniruddha Chatterjee*	Advanced Powder Technology <i>Impact Factor:4.833</i>	SCI	International 13/12/2021 2021-22	33 (2022) 103404

2019-20

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	Publication in National/ International Journals					
1	Tuning the swelling and rheological attributes of bentonite clay modified starch grafted polyacrylic acid based hydrogel DOI: https://doi.org/10.1016/j.clay.2019.105405	Suranjana Datta Chaudhuri, Arup Mandal, Ayan Dey, Debabrata Chakrabarty	Applied Clay Science <i>Impact Factor: 3.890</i>	SCI	International 05/12/2019 2019-20	185 (2020) 105405
2 *	Phosphorus- and silicon-containing amino curing agent for epoxy resin DOI: https://doi.org/10.1007/s13726-020-00808-6	Ajinkya Satdive, SiddheshMestry, Pavan Borse, Shashank Mhaske	Iranian Polymer Journal <i>Impact Factor: 1.707</i>	SCI	International 23/03/2020 2019-20	29 (2020) 433–443

Sl. No.	Title of the paper	Author/ co-author	Journal/ publisher	SCI/ Non-SCI	International/ National	Volume (year) Page no.
Publication in National/ International Journals						
1	Stress-strain characteristics of brick masonry prepared with pond ash in cement mortar under uniaxial compressive strength DOI: 10.17628/ecb.2019.8.23-25	Dhirajkumar Lal, Aniruddha Chatterjee , Arunkumar Dwivedi	European Chemical Bulletin	SCI	International 05/03/2019 2018-19	8 (2019) 23-25
2	Investigation of properties of cement mortar incorporating pond ash – An environmental sustainable material DOI: https://doi.org/10.1016/j.conbuildmat.2019.03.049	Dhiraj kumar Lal, Aniruddha Chatterjee , Arunkumar Dwivedi	Construction and Building Materials <i>Impact Factor:</i> 4.046	SCI	International 06/03/2019 2018-19	209 (2019) 20-31
3 Review	Layered double hydroxide based bionanocomposites DOI: https://doi.org/10.1016/j.clay.2019.04.022	Aniruddha Chatterjee , PreetamBharadiya, Dharmesh Hansora	Applied Clay Science <i>Impact Factor:</i> 3.89	SCI	International 11/05/2019 2018-19	177 (2019) 19-36
4	Adsorptive removal of alcohols from aqueous solutions by N-tertiary-butylacrylamide (NtBA) and acrylic acid co-polymer gel DOI: https://doi.org/10.1016/j.mtcomm.2019.100653	Samayita Chakraborty, Rabin Bera, ArupMandal, Dey Ayan , Debabrata Chakrabarty	Materials Today Communications <i>Impact Factor:</i> 1.859	SCI	International 19/09/2019 2019-20	21 (2019) 100653
5 *	Synthesis of melamine formaldehyde cured castor oil based hydroxyl functional alkyd for coating application DOI: https://doi.org/10.1016/j.porgcoat.2019.01.044	Ajinkya Satdive , SiddheshMestry, Deepak Patil, S.T. Mhaske	Progress in Organic Coatings <i>Impact Factor:</i> 4.469	SCI	International 26/02/2019 2018-19	131 (2019) 165–175
6	Carbon Black-Filled Nitrile Rubber Composite as a Flexible Electrode for Electrochemical Synthesis of Supercapacitive Polyaniline DOI: https://doi.org/10.1002/pc.25069	Uday Shankar, Subhendu Bhandari , Dipak Khastgir	Polymer Composites <i>Impact Factor:</i> 2.268	SCI	International 07/11/2018 2018-19	40 (2019) E1537- E1547

7 *	Castor Oil: A Sustainable and Natural Source of Raw Material for Polyurethane Foam Synthesis http://materials.journalspub.info/index.php?journal=JPMSE&page=article&op=view&path%5B%5D=601	S.S. Tayde, P.V. Thorat	International Journal of Polymer Science & Engineering	Non-SCI	International 2019-20	5 (2019) 18-30
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2017-18

Sl. No.	Title of the paper	Author/ co-author	Journal/ publisher	SCI/ Non-SCI	International / National	Volume (year) Page no.
Publication in National/ International Journals						
1	Enhancement of Plastic Stage Properties of Self Compacting Concrete Using Nano Composite Particles http://www.ijarse.com/images/fullpdf/1523727255_445IJARSE.pdf	Patil Hitesh kumar Santosh, Arunkumar Dwivedi, Aniruddha Chatterjee	International Journal of Advance Research in Science and Engineering	Non-SCI	International 04/2018 2017-18	7 (2018) 911-917
2	Laboratory Investigation of Portland Pozzolona Cement (PPC) with Hot Mix Plant Filler Material (HMPFM) http://ijamtes.org/gallery/61.july%20ijmte%20-%20718.pdf	Patil Hitesh kumar Santosh, Arunkumar Dwivedi, Aniruddha Chatterjee	International Journal of Management, Technology and Engineering	Non-SCI	International 07/2018 2018-19	8 (2018) 495-499
3	Microstructure Study And Strength Behavior Of Cement Mortar Incorporating Pond Ash http://www.jetir.org/papers/JETIRC006012.pdf	Dhirajkumar Lal, Arunkumar Dwivedi, Aniruddha Chatterjee	Journal of Emerging Technologies and Innovative Research (JETIR)	Non-SCI	International 06/2018 2017-18	5 (2018) 64-71

4	Electrolyte and current density determines the fate of electrodeposited polythiophene from waveguide to photovoltaics DOI: https://doi.org/10.1016/j.solmat.2018.04.015	Om Prakash Bajpai, Sujit Kumar, Subhendu Bhandari , Achintya Dhar, Dipak Khastgir, Santanu Chattopadhyay	Solar Energy Materials and Solar Cells <i>Impact Factor: 6.019</i>	SCI	International 24/04/2018 2017-18	183 (2018) 107–119
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2016-17

Sl. No.	Title of the paper	Author/ co-author	Journal/ publisher	SCI/ Non-SCI	International/ National	Volume (year) Page no.
Publication in National/ International Journals						
1	Optimize Properties of Concrete with Silica Fume http://www.mayfeb.com/OJS/index.php/MAT/article/viewFile/408/209	Patil Hiteshkumar Santosh, A. K. Dwivedi, A. M. Chatterjee	MAYFEB Journal of Materials Science	Non-SCI	International 05/2017 2016-17	2 (2017) 1-4
2	Advanced Microemulsion Synthesis and Characterization of Wollastonite (CaSiO ₃) /Polystyrene One Dimensional Nano-rods with Core-Shell Structures DOI: https://doi.org/10.1016/j.partic.2016.04.002	Aniruddha Chatterjee , Prashant Khobragade, Satyendra Mishra, Jitendra Naik	<i>Particuology</i> <i>Impact Factor: 2.110</i>	SCI	International 02/07/2016 2016-17	30 (2017) 118-128
3	Polystyrene-grafted wollastonite nanofiller for styrene butadiene rubber nanocomposite: rheological, thermal and mechanical studies DOI: https://doi.org/10.1007/s00289-016-1812-2	Prashant S. khoragade, Jitendra B. Naik, Aniruddha Chatterjee	<i>Polymer Bulletin</i> <i>Impact Factor: 1.371</i>	SCI	International 28/09/2016 2016-17	74 (2017) 1915-1934
4	Esterification of maleic acid and butanol using cationic exchange resin as catalyst DOI: https://doi.org/10.1007/s12039-017-1375-2	Aarti Mulay , V. K. Rathod	Journal of Chemical Sciences <i>Impact Factor: 1.298</i>	SCI	International 15/11/2017 2017-18	129 (2017) 1713–1720
5	A New Insight in Determining the Percolation Threshold of Electrical Conductivity for Extrinsicly Conducting Polymer Composites through Different Sigmoidal Models DOI: https://doi.org/10.3390/polym9100527	MostafizurRahaman, Ali Aldalbahi, PeriyasamiGovindasami, Noorunnisa P. Khanam, Subhendu Bhandari , Peter Feng, Tariq Altalhi	Polymers <i>Impact Factor: 3.771</i>	SCI	International 19/10/2017 2017-18	9 (2017) 527/1-527/17
6	Synthesis of Polyurethane	Saurabh Tayde ,	International	Non-SCI	International	2 (2017)

*	Coating Using Castor Oil as a Bio-polyol and Its Characterization https://www.ijedr.org/papers/IJEDR1704044.pdf	Prashant Thorat, Amol Sonawane	Journal of Scientific Development and Research (IJSDR)		2016-17	254-264
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2015-16

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Publication in National/ International Journals						
1 *Review	Flame retarding performance of elastomeric nanocomposites: A Review DOI: https://doi.org/10.1016/j.polymdegradstab.2016.06.001	Prashant S. Khobragade, D.P. Hansora, Jitendra B. Naik, Aniruddha Chatterjee	Polymer Degradation and Stability <i>Impact Factor: 3.12</i>	SCI	International 07/06/2016 2015-16	130 (2016) 194-244
2 *	Surfactin-functionalized poly(methyl methacrylate) as an eco-friendly nano-adsorbent: from size-controlled scalable fabrication to adsorptive removal of inorganic and organic pollutants DOI: 10.1039/C6RA10804K	Debasree Kundu, Chinmay Hazra, Aniruddha Chatterjee , Ambalal Chaudhari, Satyendra Mishra, Amol Kharat, Kiran Kharat	RSC Advances <i>Impact Factor: 3.84</i>	SCI	International 08/08/2016 2016-17	6 (2016) 80438–80454
3 *	Ultrasonication assisted and surfactant mediated synergistic approach for synthesis of calcium sulfate nano-dendrites DOI: https://doi.org/10.1016/j.ultsonch.2015.11.024	Sarang S. Bari, Aniruddha Chatterjee , Satyendra Mishra	Ultrasonics Sonochemistry <i>Impact factor: 4.321</i>	SCI	International 25/11/2015 2015-16	31 (2016) 39-50

4 *	Biodegradable Polymer Nanocomposites: An Overview DOI: https://doi.org/10.1080/15583724.2015.1118123	Sarang S. Bari, Aniruddha Cshatterjee , Satyendra Mishra	Polymer Reviews <i>Impact Factor:</i> 6.156	SCI	International 28/09/2015 2015-16	56 (2016) 28 8-329
5	Corrosion-free electrochemical synthesis of polyaniline using Cu counter electrode in acidic medium DOI: https://doi.org/10.1080/00914037.2016.1149842	Subhendu Bhandari , Dipak Khastgir	International Journal of Polymeric Materials and Polymeric Biomaterials <i>Impact Factor:</i> 2.263	SCI	International 31/01/2016 2015-16	65 (2016) 543-549.
6	Effect of unsaturation in bicarboxylic acid dopants for solid-state synthesized polyaniline DOI: 10.1002/pi.5120	Subhendu Bhandari , Dipak Khastgir	Polymer International <i>Impact Factor:</i> 2.433	SCI	International 31/03/2016 2015-16	65 (2016) 698-705.
7	Synthesis of graphene-like ultrathin polyaniline and its post-polymerization coating on nanosilica leading towards superhydrophobicity of composites DOI: https://doi.org/10.1016/j.cej.2016.11.027	Subhendu Bhandari , Nikhil K. Singha, Dipak Khastgir	Chemical Engineering Journal <i>Impact Factor:</i> 16.744	SCI	International 08/11/2016 2016-17	313 (2016) 1302-1310
8	Synthesis of MnO ₂ nanoparticle and its effective utilization as UV protector for outdoor high voltage polymeric insulator used in power transmission line DOI: 10.1039/C6CP06611A	Dipankar Ghosh, Subhendu Bhandari , Dipak Khastgir	Physical Chemistry Chemical Physics <i>Impact Factor:</i> 3.567	SCI	International 08/11/2016 2016-17	18 (2016) 32876-32890
9	Electrodeposition of nanostructured silver particles and it's composite with polyaniline on flexible electrode https://www.ikpress.org/index.php/JOBARI/article/view/4127	Uday Shankar, Subhendu Bhandari , Dipak Khastgir	Journal of Basic and Applied Research International	Non-SCI	International 05/01/2017 2016-17	19 (2016) 267-271
10 #	Isolation and Characterization of Tamarind Seed Polysaccharides Being Used as a Biopolymer in Modern Drug Delivery System http://materials.journalspub.info/index.php?journal=JPMSE&page=article&op=view&path%5B%5D=129	Akshay W. Tathe, Mangesh U. Kande, Shyam G. Tonde, Aarti H. Mulay	International Journal of Polymer Science and Technology	Non-SCI	International 04/2016 2015-16	2 (2016) 1-6

2014-15

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No.				Non-SCI	/ National	(year) Page no.
	Publication in National/ International Journals					
1 *	Cost effective approach of acrylic resin based flooring applications DOI: https://doi.org/10.1016/j.conbuildmat.2014.12.047	Prashant A. Gupta, Hiren Bhayani, Susanta K. Pramanik, Ashok C. Rao, Suresh Pandurang Deshmukh	Construction and Building Materials <i>Impact Factor: 2.421</i>	SCI	International 21/01/2015 2014-15	79 (2015) 48-55
2 *	Physicomechanical Properties of Wollastonite (CaSiO ₃)/Styrene Butadiene Rubber (SBR) Nanocomposites DOI: https://doi.org/10.1002/app.42811	Aniruddha Chatterjee, P. S. Khobragade, S. Mishra	<i>Journal of Applied Polymer Science</i> <i>Impact Factor: 1.682</i>	SCI	International 03/08/2015 2015-16	132 (2015) 42811/1-42811/11
3 *	Synergistic effect of dopant combination and switchover in formation mechanism of polyaniline nanowire DOI: https://doi.org/10.1002/app.41520	Subhendu Bhandari, Dipak Khastgir	Journal of Applied Polymer Science <i>Impact Factor: 1.768</i>	SCI	International 12/09/2014 2014-15	132 (2015) 41520/1-41520/9.
4	Development of high performance high voltage insulator for power transmission line from blends of polydimethylsiloxane/ ethylene vinyl acetate containing nanosilica DOI: 10.1039/C5RA08277C	Dipankar Ghosh, Subhendu Bhandari , Tapan Kumar Chaki, Dipak Khastgir	RSC Advances <i>Impact Factor: 3.84</i>	SCI	International 17/06/2015 2014-15	5 (2015) 57608-57618
5 *	Synergistic effect of simultaneous dual doping in solvent-free mechanochemical synthesis of polyaniline supercapacitor comparable to the composites with multiwalled carbon nanotube DOI: https://doi.org/10.1016/j.polymer.2015.10.015	Subhendu Bhandari, Dipak Khastgir	Polymer <i>Impact Factor: 3.562</i>	SCI	International 14/10/2015 2015-16	81 (2015) 62-69
6 *	A Review on Synthesis and Characterization of Castor Oil Based Polyurethane Adhesive	Bakul K. Gayki, Dr. P. V. Thorat, S. S. Tayde	International Journal of Emerging Technology and Advanced Engineering	Non-SCI	International 2014-15	5 (2015) 95-97

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1 *	Preferential distribution of polyaniline in different phases of acrylate triblock copolymer DOI: https://doi.org/10.1166/mex.2014.1151	Subhendu Bhandari , Nikhil Kumar Singha, Dipak Khastgir	Materials Express <i>Impact Factor:</i> 2.299	SCI	International 04/2014 2013-14	4 (2014) 115-124.
2 *	Extracellular Biosynthesis of Zinc Oxide Nanoparticles Using <i>Rhodococcus Pyridinivora</i> NT2: Multifunctional Textile Finishing, Biosafety Evaluation and <i>In Vitro</i> Drug Delivery in Colon Carcinoma DOI: doi: 10.1016/j.jphotobiol.2014.08.001	Debasree Kundu, Chinmay Hazra, Aniruddha Chatterjee , Ambalal Chaudhari and Satyendra Mishra	<i>Journal of Photochemistry and Photobiology B: Biology</i> <i>Impact Factor:</i> 2.960	SCI	International 12/08/2014 2014-15	140 (2014) 194-204.
3 *	Poly(methyl methacrylate) (core)-biosurfactant (shell) nanoparticles: size controlled sub-100 nm synthesis, characterization, antibacterial activity, cytotoxicity and sustained drug release behaviour DOI: https://doi.org/10.1016/j.colsurfa.2014.02.051	Chinmay Hazra, Debasree Kundu, Aniruddha Chatterjee , Ambalal Chaudhari and Satyendra Mishra	Colloids and Surfaces A: Physicochemical and Engineering Aspects <i>Impact factor:</i> 2.752	SCI	International 01/03/2014 2013-14	449 (2014) 96-113
4 *	Biopolymer and Biosurfactant -graft-Calcium Sulfate/Polystyrene Nanocomposites: Thermophysical, Mechanical and Biodegradation Studies DOI: https://doi.org/10.1016/j.polymdegradstab.2014.05.001	Chinmay Hazra, Debasree Kundu, Aniruddha Chatterjee , Ambalal Chaudhari, Satyendra Mishra	<i>Polymer Degradation and Stability</i> <i>Impact Factor:</i> 3.163	SCI	International 14/05/2014 2013-14	107 (2014) 37-52
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6 *	Template-free solidstate synthesis of ultra-long hairy polyaniline nanowire supercapacitor DOI: https://doi.org/10.1016/j.matlet.2014.07.079	Subhendu Bhandari , Dipak Khastgir	Materials Letters <i>Impact Factor:</i> 2.489	SCI	International 19/07/2014 2014-15	135 (2014) 202-205.
7 *	Effect of Epoxidized Cottonseed Oil on Epoxy Resin and Its Thermal Behavior https://sphinx.sai.com/2015/ch_vol7_no1/4/(260-268)%20014.pdf	Saurabh Tayde , Prashant Thorat	International Journal of ChemTech Research	Non-SCI	International 2014-15	7 (2014-2015) 260-268

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2 *	Nano-Calcium Carbonate (CaCO ₃)/Polystyrene (PS) Core-shell Nanoparticle: It's Effect on Physical and Mechanical Properties of High Impact Polystyrene (HIPS) DOI: https://doi.org/10.1007/s10965-013-0249-7	Aniruddha Chatterjee, Satyendra Mishra	<i>Journal of Polymer Research</i> Impact Factor: 1.920	SCI	International 19/08/2013 2013-14	20 (2013) 1-12.
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4 *	Electrochemical Synthesis of Nanostructured Polyaniline - Heat Treatment and Synergistic Effect of Simultaneous Dual Doping DOI: https://doi.org/10.1002/app.38803	Subhendu Bhandari, Nikhil Kumar Singha, Dipak Khastgir	Journal of Applied Polymer Science Impact Factor: 1.768	SCI	International 03/11/2012 2012-13	129 (2013) 1264-1273.
5 *	Morphology and cyclic voltammetry analysis of in situ polymerized polyaniline/graphene composites DOI: http://dx.doi.org/10.5599/106	Devesh Kumar Mahla, Subhendu Bhandari, MostafizurRahaman , Dipak Khastgir	Journal of Electrochemical Science and Engineering	ESCI	International 09/11/2013 2013-14	3 (2013) 157-166.

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4 *	Study on the effect of nanosilica particles on morphology, thermo-mechanical and electrical properties of liquid polysulfide modified epoxy hybrid nanocomposites DOI: https://doi.org/10.1007/s12588-011-9017-x	P. K. Guchhait, S. Bhandari , S. Singh, M. Rahaman	International Journal of Plastics Technology	Non-SCI	International 15/11/2011 2011-12	15 (2011) 150-162
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9 *	Epoxidation of Vegetable Oils: A Review http://technicaljournalsonline.com/ijeat/VOL%20II/IJAET%20VOL%20II%20ISSUE%20IV%20%20OCTBER%20DECEMBER%202011/ARTICLE%2086%20IJAET%20VOLII%20ISSUE%20IV%20OCT%20DEC%202011.pdf	Tayde Saurabh, Patnaik M., Bhagt S.L., Renge V.C.	<i>International Journal of Advanced Engineering Technology</i>	Non-SCI	International 12/2011 2011-12	II (2011) 491-501

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1 *	Particle Size, Morphology and Thermal Properties of Polystyrene Nanoparticles in Microemulsion Process DOI: https://doi.org/10.1080/03602551003749593	Satyendra Mishra, Aniruddha Chatterjee	Polymer-Plastics Technology and Engineering <i>Impact Factor: 1.655</i>	SCI	International 07/07/2010 2010-11	49 (2010) 791–795

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