

**MKSSS's Cummins College of Engineering for Women, Pune  
Basic Sciences & Humanities Department**

**List of papers published in SCI / SCOPUS indexed journals**

<b>Academic Year -2023-2024</b>	
1	Vishal Deore, "Sliding Wear Behavior of Pineapple Leaf/Glass Fiber Reinforced Polyester Composites" Macromolecular symposia, Vol. 412 issue 220061, Dec 2023, <a href="https://doi.org/10.1002/masy.202200161">https://doi.org/10.1002/masy.202200161</a> .
2	Jyoti G. Prasad, "Solution of local fractional generalized coupled Korteweg–de Vries (cKdV) equation using local fractional homotopy analysis method and Adomian decomposition method" Applied Mathematics in Science and Engineering Vol.32, issue-1, Dec 2023, <a href="https://doi.org/10.1080/27690911.2023.2297028">https://doi.org/10.1080/27690911.2023.2297028</a> .
<b>Academic Year -2022-2023</b>	
1	Mrunal Moharir " Effective Implementation of Peer Review as an Active Learning Technique to Attain Course Outcome: A Case Study" Journal of Engineering Education Transformations, Volume 36, special issue 1, Dec 2022.
2	Jyoti G. Prasad "Analytical Solution of the Local Fractional KdV Equation", Mathematics 2023, 11(4), 882 Feb 2023, <a href="https://doi.org/10.3390/math11040882">https://doi.org/10.3390/math11040882</a> .
3	Vikram Athalye "Causal Viewpoint and Ensemble Interpretation: From Physics to the Social Sciences" Philosophical Transactions A, Vol. 381 0279. Jun 2023, <a href="https://doi.org/10.1098/rsta.2022.0279">https://doi.org/10.1098/rsta.2022.0279</a> .
4	Anand Joshi, Ashish B. Itollikar, "Experimental Validation of Dielectric Models for Sugarcane Vegetation at C – Band Microwave Frequency", International Journal of Agricultural and Natural Sciences, Vol. 15 (3), 2022, pp 336 – 345. ISSN/eISSN: 2651 – 3617, Dec 2022, <a href="https://ijans.org/index.php/ijans/article/view/645/549">https://ijans.org/index.php/ijans/article/view/645/549</a> .
5	Mrunal Moharir "Effective Application of One Minute Paper and Muddiest Point Technique to Enhance Students' Active Engagement: A Case Study", Journal of Engineering Education Transformations Volume: 36, Issue: 3, Jan 2023.
<b>Academic Year -2021-2022</b>	
1	M Bapat, H Singh, S Shukla, P P Singh, Dai-Viet N Vo, A Yadav, A Goyal, A Sharma, D Kumar, "Evaluating green silver nanoparticles as prospective biopesticides: An environmental standpoint", Chemosphere, Vol 286, 131761, Jan 2022, <a href="https://doi.org/10.1016/j.chemosphere.2021.131761">https://doi.org/10.1016/j.chemosphere.2021.131761</a>
2	V Athalye, E Haven, "Socio-Economic Sciences: Beyond Quantum Math-like Formalisms", Quantum Reports, Vol 3, pp 656-663, Oct 2021, <a href="https://www.mdpi.com/2624-960X/3/4/41">https://www.mdpi.com/2624-960X/3/4/41</a> .
3	S Althobaiti, R S Dubey, J G Prasad, "Solution of Local Fractional Generalized Fokker- Planck equation using Local fractional Mohand Adomian Decomposition Method", Fractals, Vol 30, No 1, Sept 2021, <a href="https://doi.org/10.1142/S0218348X2240028X">https://doi.org/10.1142/S0218348X2240028X</a> .
4	A Shinde, I Siva, Y Mundhe, V Deore, M T H Sultan, A U Md Shah, F Mustapha, "Testing of Silicon Rubber/Montmorillonite Nanocomposite for Mechanical and Tribological Performance", Nanomaterials, Vol 11, No 11, Nov 2021.
5	D R Bhosale, S Patil, "Oxygen non-stoichiometry effects in spin Seebeck insulating Y <sub>3-x</sub> Pr <sub>x</sub> Fe <sub>5O12+δ</sub> materials (Editor's Pick)", AIP Advances, 12, 065103, June, 2022δ materials (Editor's Pick)", AIP Advances, 12, 065103, June, 2022, <a href="https://doi.org/10.1063/5.0087629">https://doi.org/10.1063/5.0087629</a>
6	A S Joshi, A Itollikar, "Interpretation of backscattering coefficient for distinct Indian lakes using Sentinel-1 SAR imagery", The Journal of Indian Geophysical Union, Vol 26, Issue 3, pp- 195-206 May 2022.

<b>Academic Year -2020-2021</b>	
1	H Jafari, J G Prasad, P Goswami, R S Dubey , “Solution of the Local Fractional Generalized KDV Equation Using Homotopy Analysis Method” ,Fractals, Vol 29 Issue no 5, pp 2140014 1-10, March 2021.
2	V S Deore, V R Kasar, S R Waghmare, A S Shinde, "Agro-Industrial and Domestic Waste Water Treatment by Using UASB Reactor",Science and Engineering Journal,Volume 25 Issue 5,Page No: 13 - 25, May 2021.

<b>Academic Year -2019-2020</b>	
1	D R Bhosale, S I Patil, , “Conduction pathways and Mixed Ionic-Electronic Conductivity below 500 °C in $CaxY_{3-x}Fe_5O_{12}$ - $\square$ Materials” , Physical Review Materials, Vol 3 Issue no 9, pp 95007 1-7, Sept 2019.
<b>Academic Year -2016-2017</b>	
1	D R Bhosale, S M Yusuf, A Kumar, M D Mukada, S I Patil, , “High Oxide Ion Conductivity below 500 °C in Garnets $LaxY_{3-x}Fe_5O_{12+\delta}$ materials (Editor's Pick)", AIP Advances, 12, 065103, June, 2022d” , Physical Review Materials, Vol 1 Issue no 1, pp 015001-1 to 015001-5 , 2017.
<b>Academic Year -2015-2016</b>	
1	M Murugan, M S Bapat, V K Kokate, “Composites of nanosized strontium titanate epoxy resin as microwave absorber” , Journal of Electromagnetic waves and applications, Vol 30 Issue no 3, pp 366-374, Oct 2015.
<b>Academic Year -2014-2015</b>	
1	K S Jadhav, P R Agrawal , M A Purandare, “Bianchi Type-III Cosmological Model with Quadratic Equation of State” ,International -The African Review of Physics , vol 10, pp65-68 , 2015.
2	D R K Reddy, K S Adhav, M A Purandare, “Bianchi type-I cosmological model with quadratic equation of state.” , International -Journal of Astrophysics and Space Science. April 2015.
<b>Academic Year -2012-13</b>	
1	A G Murugkar, A S Joshi, M L Kurtadikar, “Dielectric Properties and Emissivity of sea water at C-band Microwave Frequency” , J Environ Science & Engineering ,vol 54,No.4 p495-501 , Oct 2012.
<b>Academic Year -2011-2012</b>	
1	M Murugan, V K Kokate, M S Bapat, “Synthesis, Characterization and Evaluation of Reflectivity of Nanosized $CaTiO_3$ ” , Bulletin of Materials Science, vol. 34, , issue 4, pp 699- 704, July 2011.
2	V Athalye, S S Roy , T S Mahesh, “Investigation of the Leggett – Garg inequality for pressing nuclear spins” ,Physical Review Letters, vol. 107, 19, pp 130402, Sept 2011.
3	M A Iqbal, P K Gupta , V S Deore, S K Tak, G Tiwari, N K Gupta, “Effect of target span and configuration on the ballistic limit” ,International Journal of Impact Engineering, vol. 42, pp 11-24, April 2012.
<b>Academic Year -2010-2011</b>	
1	M Murugan, V K Kokate, M S Bapat, “Synthesis of nanosized barium titanate/epoxy resin composites and measurement of microwave absorption,” Bulletin of Materials Science, vol. 33, , issue 6, pp 657-662, Dec 2010.

### List of papers in Non SCI / SCOPUS indexed journals

<b>Academic Year -2023-24</b>	
1	Sneha Singh “Assessing the Environmental and Infrastructure Impacts: A Comparative Analysis of Traditional Roadways vs. Electric Vehicle (EV) Roads” Vol. 02 Issue: 03 450 - 456, March 2024.
<b>Academic Year -2022-23</b>	
1	Sneha Singh, Vishal Deore “Study on Importance, Procedure, and Scope of UNNAT Bharat Abhiyan –A Scoping Review” Vol.8, issue 1, Sept 2022.
2	Namrata Karandikar, Pradnya Nanavare, Use of Assignment mode for effective assessment of students to achieve course outcomes” Vol.1, issue 8, 2022.
<b>Academic Year -2020-2021</b>	
1	M A Purandare, Prachi Agrawal, " Bianchi Type-VIh Cosmological Model with Quadratic EOS in f(R, T) Theory", IJSRST, Vol8,issue1,pp 196-201, 2021
<b>Academic Year -2017-2018</b>	
1	M Jail, R Urkude, L Deshmukh, “Bio-Efficacy and Relative Performance of Chlorpyrifos and Cypermethrin against Pod Borers Infesting Pigeon Pea.” , IOSR-IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS), Volume 13, Issue 2 Ver. III pp 80-84 (Mar. – Apr. 2018)
<b>Academic Year -2014-2015</b>	
1	K S Jadhav, P R Agrawal, M A Purandare, “Higher Dimensional spherically symmetric Cosmological Model with quadratic Equation of state.”, European International Journal of Science and Technology, June 2015.
2	K S Adhav, M V Dhawade , M A Purandare, “Plane Symmetric Cosmological Model with quadratic Equation of state.” , International -Bulg.J Phys, Vol 42 PP 20-28.
3	M Jail, “Studies On The Impact Of Pesticides On Soil Microbial Respiration.” , International Journal of plant,Animal and Environmental Science, Vol.5 Issue 1,Jan-Mar2015.
4	M Jail, R Urkude, L Deshmukh, “Evaluation of effect of different pesticides on pigeon pea using statistical tool in field experiment.” , IOSR Journal of Environmental Science,Toxicology and food Technology, Volume 8,issue 7,pp 01-02 , July 2014.
5	S Singh, P Adavi, “Guidelines of EIA for Hydropower Projects.”, IJAES, Volume 27 Issue 11.
<b>Academic Year -2013-2014</b>	
1	R Urkude, M Jail, " Studies on Pysico-chemical properties of Commertially available EC formulations of Cypermethrin and Chlorpyrifos Pesticides.", International Journal of engineering in research & technology, vol 2 Issue 8, pp 2342-2352 August-2013.
2	A S Joshi, P M Kokane, A N Ardad, A B Itolikar, N P Barde, “Least Square Fitting Method and Application to Estimate Microwave Permittivity”, Journal of Basic and Applied Sciences, Special Issue, 2014.
<b>Academic Year -2012-2013</b>	
1	M Bhosale, P S Swami, “Life estimation of SF6 circuit breaker”, Journal of information,knowledgeand research in electrical engineering, VOLUME – 02, ISSUE – 02, NOV 2012.
2	T H Thange, N P Karandikar, "Eigen Function Wavelet Transform for

	functions of Two variables", International Journal of Multidisciplinary Research, Vol I, Issue 12(11), March 2013.
3	A Joshi, M L Kurtadikar "Study of Seawater Permittivity Models and Laboratory Validation at 5 GHz", Journal of Geomatics, SAC-ISRO, The Indian Society of Geoinformatics, vol 7. April 2013.
4	A Joshi, S S Deshpande, M L Kurtadikar, "Dielectric Properties of North Indian Ocean Seawater at 5 GHz", International Journal of Advances in Engineering and Technology IJAET, Vol. 2, Issue 1, pp 220-226.
5	S Singh, " A STUDY OF GUIDELINES OF EIA FOR INFRASTRUCTURE PROJECTS", IJARSE, Vol 1, Issue 2, pp 22-26

### List of papers published in Conferences Scopus indexing

<b>Academic Year -2023-2024</b>	
1	Mrunal Moharir "An Analysis of Flipped Classroom Model for the course 'Analysis and Synthesis of Mechanisms'"
2	Sangita Gambhir "Presented paper titled "Multi-stenosis Effect on Jeffrey Fluid Model of Blood Flow" Oct 2023.
<b>Academic Year -2016-2017</b>	
1	D R Bhosale, S M Yusuf, S I Patil, "Revealing Conduction Pathways by the Soft Bond Valence Sum Distribution Analysis of Neutron Diffraction Data in Iron Garnet Oxides", 5th Conference on Neutron Scattering 2015, INIS 48. 8, 2016.
<b>Academic Year -2014-2015</b>	
1	K S Adhav, P R Agrawal, S L Munde, M A Purandare, " Early decelerating and late time accelerating B-V cosmological model with qudra equation of state in general relativity." Proceedings of ICFM 2015 International Conference on Frontiers in Mathematics 2015. Gauhati University, Guwahati, Assam, India, March 2015, pp 82-86
<b>Academic Year -2012-2013</b>	
1	S S Deshpande, A S Joshi, M L Kurtadikar, "Dielectric Properties of Agra, Haldigati and Chennai saline soils at 5 Ghz.", 8 th International Conference on Microwaves, Antenna, Propagation & Remote Sensing. Jalna(MS), Dec 2012.
<b>Academic Year -2011-2012</b>	
1	M Moharir, Sunil Gaikwad, "Real Time Measurement of Power System frequency using DSP", National conference on smart grids, organized by AISSPMS, Pune. pp 21-26 March, 2012.

### Books Published

<b>Academic Year -2022-2023</b>	
1	Sangita Gambhir, Engineering Mathematics I, Jan 23, 978-81-961115-0-2
2	Sangita Gambhir, Engineering Mathematics II, Jan 23, 978-81-961115-1-9
<b>Academic Year -2019-2020</b>	
1	Dr. Manisha Jail, Engineering Chemistry, Technical Publication, Latest Edition 2019, First Edition 2012