

MKSSS's
Cumminscollege of Engineering for Women, Pune
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

Basic Sciences & Humanities Department

List of papers published in SCI / SCOPUS indexed journals

A.Y. 2021-22

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.
2. **V Athalye**, E Haven , "Socio-Economic Sciences: Beyond Quantum Math-like Formalisms" ,*Quantum Reports*, Vol 3, pp 656-663, Oct 2021.
3. S Althobaiti, R S Dubey, **J G Prasad**, "Solution of Local Fractional Generalized Fokker-Planck equation using Local fractional Mohand Adomian Decompostion Method" ,*Fractals*, Vol 30, No 1, Sept 2021.
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 nonstoichiometry effects in spin Seebeck insulating $Y_{3-x}Pr_xFe_5O_{12+\delta}$ materials (Editor's Pick)", *AIP Advances*, 12, 065103, June, 2022
6. **A S Joshi**, A Itolikar, "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.

A.Y. 2020-21

7. 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.
8. **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.

A.Y. 2019-20

9. **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.

A.Y. 2016-17

10. **D R Bhosale**, S M Yusuf, A Kumar, M D Mukada, S I Patil, , "High Oxide Ion Conductivity below 500 °C in Garnets $\text{La}_{x}\text{Y}_{3-x}\text{Fe}_{5}\text{O}_{12+d}$ " , *Physical Review Materials*, Vol 1 Issue no 1, pp 015001-1 to 015001-5 , 2017.

A.Y. 2015-16

11. 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.

A.Y. 2014-15

12. 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.
13. 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.

A.Y. 2012-13

14. 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

A.Y. 2011-12

15. 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.
16. **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.
17. 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.

A.Y. 2010-11

18. 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-Scopus/SCI indexed journals

A.Y. 2020-21

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

A.Y. 2017-18

2. **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)

A.Y. 2014-15

3. K S Jadhav, P R Agrawal , **M A Purandare**, "Higher Dimensional spherically symmetric Cosmological Model with quadratic Equation of state." ,*Eruopean International Journal of Science and Technology*, June 2015.
4. 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.
5. **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-Mar 2015.
6. **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.
7. **S Singh**, P Adavi, "Guidelines of EIA for Hydropower Projects." , *IJAES* ,Volume 27 Issue 11.

A.Y. 2013-14

8. R Urkude, **M Jail**, " Studies on Pysico-chemical properties of Commercially available EC formulations of Cypermethrin and Chlorpyrifos Pesticides." , *International Journal of engineering in research & technology*, vol 2 Issue 8, pp 2342-2352 August-2013.
9. **A S Joshi**, P M Kokane, A N Ardad, A B Itollikar, N P Barde, " Least Square Fitting Method and Application to Estimate Microwave Permittivity", *Journal of Basic and Applied Sciences*, Special Issue, Feb 2014.

A.Y. 2012-13

10. **M Bhosale**, P S Swami, "Life estimation of SF6 circuit breaker" ,*Journal of information, knowledge and research in electrical engineering*, VOLUME – 02, ISSUE – 02, NOV 2012.
11. **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.

12. **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 Geomatics* , vol 7.April 2013
13. **A Joshi**, S S Deshpande, M L Kurtadikar, "Dielectric Properties of NorthIndian Ocean Seawater at 5 GHz",*International Journal of Advances in Engineering and Technology IJAET*, Vol. 2, Issue 1, pp 220-226.
14. **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

A.Y. 2020-21

1. A B Itollikar, **A S Joshi**, S Deshpande, M Kurtadikar, "Dielectric Response Due to Combine Effect of Soil and Vegetation Layer (Grass) at C-Band Microwave Frequency", *IGARSS*, pp 9-12, Dec 2020.

A.Y. 2019-20

2. A B, Itollikar, **A S Joshi**, S S Deshpande, V M Arole, M L Kurtadikar, "Dielectric and Emissive Properties of Sorghum(Jowar)Vegetation at C band Microwave Frequency.", *International Conference on Materials and Environmental Sciences, ICMES*, Proceedings 23(2020)236-245, 2020.

List of papers published in Conferences Non-Scopus indexing

A.Y. 2016-17

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. Issue 8, 2016.

A.Y. 2014-15

2. 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

A.Y. 2012-13

3. 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.

A.Y. 2011-12

4. **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

List of Books Published by Faculty

Sr No	Name of Faculty	Book Title	Name of Publication	Year of Publication
1	Dr. Manisha Jail	Engineering Chemistry	Technical Publication	Latest Edition 2019 First Edition 2012
2	Dr. Malini Bapat	Encyclopedia of sensors. (book chapter)	American Scientific Publishers	2006