

WALCHAND INSTITUTE OF TECHNOLOGY,SOLAPUR
(An Autonomous Institute)

General Engineering

Faculty Publications

AY 2023-24

Name of Author(s)	Title of Research Publication	Name of Journal
Mr. S.S.Siddul	Effect of Annealing Temperature on the Structural, Morphological, and Electrochemical Properties of Ruthenium Oxide Electrodes	Journal of Thin Films, Coating Science Technology and Application, Volume 10, Issue 2, pp 15-24,2023, ISSN: 2455-3344.
Dr. Mrs P.S.Joshi		
Dr. S.K.Suryawanshi	The Applications of Artificial Intelligence for English Teachers	Journal of Artificial Intelligence & Cloud Computing, Volume3(2), pp1-2,2024, ISSN:2754-6659.
Mr. N.D. Kharade	A Study of Agnosticism in Arthur Canon Doyle's Sherlock Holmes	Madhya Pradesh Journal of Social Sciences, Vol 28 No 2(iii), pp 110-112 , 2023,ISSN: 0973-855X.

AY 2022-23

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. P. G. Metri	Numerical Solution of Boundary Layer Flow Problem of a Maxwell Fluid Past a Porous Stretching Surface.	Springer Proceedings in Mathematics & Statistics book series (PROMS) Stochastic Processes, Statistical Methods, and Engineering Mathematics, Volume 408,pp 809-828,2023.eISSN:2194-1017,ISSN:2194-1009.
Dr. P. G. Metri	Effect of Electromagnetic Field on Mixed Convection of Two Immiscible Conducting Fluids in a Vertical Channel.	Springer Proceedings in Mathematics & Statistics book series (PROMS), Volume 408,pp 829-855,2023. eISSN:2194-

		1017,ISSN:2194-1009.
Dr. P. G. Metri	Mathematical and Computational Analysis of MHD Viscoelastic Fluid Flow and Heat Transfer Over Stretching Surface Embedded in a Saturated Porous Medium.	Springer Proceedings in Mathematics & Statistics book series (PROMS), Volume 408,pp 791-807,2023. eISSN:2194-1017,ISSN:2194-1009.
Dr. P. G. Metri	Magnetohydrodynamic Casson Nanofluid Flow Over a Nonlinear Stretching Sheet with Velocity Slip and Convective Boundary Conditions	Springer Proceedings in Mathematics & Statistics book series (PROMS), Volume 408,pp 773-789,2023. eISSN:2194-1017,ISSN:2194-1009.
Dr. N. S. Gramopadhye, Dr. S .K. Sarsamkar	Characterization and Antimicrobial Activity of New Cobalt Nickel-Copper (II) Complexes with Benzoin and 4-Amino Phenol	Journal For Basic Sciences, Volume 23, Issue 5, pp 412 – 421, 2023, ISSN : 1006-8341.
Dr. N. S. Gramopadhye, Dr. S .K. Sarsamkar	Synthesis and Characterization of Polymer Supported	Gradiva Review Journal, Volume 9, Issue 7,pp 649-655, 2023, ISSN : 0363-8057.
Conference		
Dr. Mrs. R.S.Patil	Use of Artificial Intelligence for Decision Making	National Conference on Artificial Intelligence for Decision Making, pp 56,ISBN- 978-93-5811-431-7
Dr. S.K.Suryawanshi	The Application of Artificial Intelligence for English Teachers	National Conference on Artificial Intelligence for Decision Making, pp 37,ISBN: 978-93-5811-431-7
Dr. Mrs P.S.Joshi	Electrochemical study of Ruthenium Oxide Electrodes- Effect of Annealing Temperature	International Conference on Smart Materials for Sustainable Development, Energy and Environmental Applications (SMSDEEA-2023) organized by Karmveer Bhaurao Patil Mahavidyalaya, Pandharpur on 20-21 March 2023.
Mr. S.S.Siddul		

AY 2021-22

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. B. Venkateswarlu	Three-dimensional non-Newtonian couple stresses fluid flow over a permeable stretching surface with nonlinear thermal radiation and heat source effects.	Heat Transfer, Volume 51(6),pp5348-5367, 2022, ISSN-2688-4542. Online ISSN:2688-4542,Print ISSN:2688-4534
Dr. B. Venkateswarlu	Radiative MHD Walter's liquid-B flow past a semiinfinite vertical plate in the presence of viscous dissipation with a heat source	Engineering Transactions, Volume 69(4).pp374-401 , 2021, ISSN:2450-8071.
Dr. B. Venkateswarlu	Magneto Casson- Carreau Fluid Flow through a Circular Porous Cylinder with Partial Slip	Journal of Applied and Computational Mechanics, , Volume 8(4), pp1208-1221,2022, ISSN: 2383-4536.
Dr. B. Venkateswarlu	Coupled impression of radiative thermal flux and Lorentz force on the water carrying composite nanoliquid streaming past an elastic sheet.	Journal of Thermal Science and Engineering Applications, Volume 14(9), 2022, ISSN: 1948-5085.
Dr. Mrs. P.S.Joshi	Visualization and Crossword: In-Class Exercise--An active learning Strategy	Journal of Engineering Education Transformations, Volume 35 , No. 2,pp 12-17, 2021, ISSN: 2349-2473, eISSN: 2394-1707.

AY 2020-21

Name of Authors	Title of Research Publications	Name of Journal / Conference Publication house, ISSN No., Organizer venue etc.
Dr. B. Venkateswarlu et al.	Significance of viscous dissipation on the dynamics of ethylene glycol conveying diamond and silica nanoparticles through a diverging and converging channel.	Journal of Thermal Analysis and Calorimetry, pp1-14, 2020, ISSN: 1588- 2926/ 1388-6150.
Dr. B. Venkateswarlu, Panyam Venkata Satya Narayana	Cu-Al ₂ O ₃ / H ₂ O hybrid nanofluid flow past a porous stretching sheet due to temperature-dependent viscosity and viscous dissipation	Wiley-Heat Transfer, Vol.50(1),pp 432-449, 2021, ISSN:2688-4542.

Dr. B. Venkateswarlu et al.	Buoyancy forces and activation energy on the MHD radiative flow over an exponentially stretching sheet with second-order slip	Wiley-Heat Transfer, Vol.50(1), pp 784-800,2021, ISSN : 2688-4542.
Dr. Mrs. P. S. Joshi, D. S. Sutrave	Nanoporous Mn doped Ruthenium Oxide Thin Film Electrodes for Supercapacitor applications	International Journal of Scientific Research in Science and Technology. 9(2), pp 157-161,2021, Online ISSN: 2395-602X Print ISSN: 2395-6011.
Conference		
Dr. Mrs. P.S Joshi	International e-Conference on Recent Trends in Nano-materials and its Applications-2021	Organized by Department of Physics in collaboration with Internal Quality Assurance Cell (IQAC) Sangola Taluka Shetkari Shikshan Prasarak Mndal Sangola's Vidnyan Mahavidyala. Sangola,Solapur, Maharashtra, Date: 9/4/2021 to 10/4/021.

AY 2019-20

Name of Authors	Title of Research Publications	Name of Journal / Conference Publication house, ISSN No., Organizer venue etc.
Dr. B. Venkateswarlu et al.	Numerical simulation of variable thermal conductivity of 3D flow of nanofluid over a stretching sheet.	Nonlinear Engineering, Vol. 9, No.1, pp. 233-243 , 2020, ISSN: 2192-8029.
Dr. B. Venkateswarlu et al.	Chemical reaction and radiation absorption effects on convective flows past a porous vertical wavy channel with traveling thermal waves.	International Journal of Fluid Mechanics Research, Vol. 47, No.2, pp. 153-169 , 2020 , ISSN Print:2152-5102 ISSN Online:2152-5110.
Dr. B. Venkateswarlu et al.	MHD Peristaltic flow of a nanofluid in a constricted artery for different shapes of nanosized particles	Nonlinear Engineering, Vol. 9, No. 1, pp. 51-59 , 2019, ISSN: 2192-8029.

Dr. B. Venkateswarlu et al.	Magnetohydrodynamic oscillatory flow of a physiological fluid in an irregular channel	SN Applied Sciences, Vol. 1, No. 10, pp. 1223 (1-13) , 2019.
Dr. Mrs. P.S Joshi	Supercapacitors: Basics and Overview	Journal of Information and Computational Science, Vol-9, Issue-12, pp 609-625, 2019, ISSN: 1548-7741.
Dr. Mrs. P.S Joshi	Supercapacitive Behaviour of [CO:Mn:Ru]Oxide Composite Thin Film Electrode	Infokara Research, Vol-8, Issue-12, pp 1079-1086, 2019, ISSN : 1021-9056
Dr. Mrs. P.S Joshi	Smart Turbidity Monitoring and Data Acquisition using LabVIEW	Journal of Xidian University, Vol-14, Issue-5, pp 2566-2574, 2020. ISSN: 1001-2400.
Ms. T.S Bhadrashetti	Investigation of Structural, Optical and electrical Properties of Pure and Copper Doped ZnO Thin Film by Spray Pyrolysis Method	Journal of Information and Computational Science, Vol-9, Issue-12, pp 556-563, 2019, ISSN: 1548-7741.
Conference		
Dr. Mrs. P.S Joshi	Manganese Doped Ruthenium Oxide Thin Film Electrodes: Study of structural, Morphological and Electrochemical Properties.	International Conference on Smart Materials and Nanotechnology (ICSMN-2020) organized by SKN, Sinhgad College of Engineering, Pandharpur, 2-4 Jan 2020.
Dr. Mrs. P.S Joshi	Study of Stacked Binary (Cobalt: Ruthenium) Oxide Thin Film	Fourth International Conference on Advances in materials Science (ICAMA-2020), 20-21 Jan 2020.