



**B.L.D.E.A's. V P Dr.P.G.Halakatti College of Engineering  
and Technology, Vijayapur**

**Q1 JOURNAL ARTICLES PUBLISHED BY FACULTY/RESEARCH SCHOLARS**

**FROM 2017 TO 2023**

**CONTENTS**

SI No	YEAR	TITLE	AUTHOR	SOURCE	I.F
1	<b>2023</b>	Effect of Mucuna pruriens on brain NMDA receptor and tau protein gene expression in cerebral ischemic rats	Parvatikar P.P., Patil S.M., Patil B.S., Reddy R.C., Bagoji I., Kotennavar M.S., Patil S., Patil A.V., Das K.K., <b>Das S.N.</b> , Bagali S.	Frontiers in Physiology	4.755
2	<b>2023</b>	Synergetic effects of a poly-tartrazine/CTAB modified carbon paste electrode sensor towards simultaneous and interference-free determination of benzenediol isomers	<b>Teradale A.B.</b> , <b>Chadchan K.S.</b> , Ganesh P.-S., <b>Das S.N.</b> , Ebenso E.E.	Reaction Chemistry and Engineering	3.9
3	<b>2023</b>	Investigating the Flexural Behavior of a Two-Span High-Performance Concrete Beam Using Experimentally Derived Stress Block Parameters	<b>Momin A.I.A.</b> , <b>Zende A.A.</b> , Khadiranaikar R.B., Alsabhan A.H., Alam S., Khan M.A., <b>Qamar M.O.</b>	<i>ACS Omega</i>	4.1

4	<b>2023</b>	Automatic logo detection from document image using HOG features	<b>Dixit U.D., Shirdhonkar M.S.,</b> Sinha G.R.	Multimedia Tools and Applications	3.6
5	<b>2023</b>	Deep learning and computer vision for leaf miner infestation severity detection on muskmelon (Cucumis melo) leaves	<b>Math R.M.,</b> Dharwadkar N.V.	Computers and Electrical Engineering	4.3
6	<b>2023</b>	Advancements in hybrid approaches for brain tumor segmentation in MRI: a comprehensive review of machine learning and deep learning techniques	<b>Sajjanar R., Dixit U.D.,</b> Vagga V.K.	Multimedia Tools and Applications	3.6
7	<b>2023</b>	Thermal and vibration analysis of CI engine using diesel and waste cooking oil biodiesel blends	<b>Rajam C.V., Patil G.V., Sakri M.I.,</b> <b>Jeeragal R.N.,</b> Adimurthy M.	Applied Thermal Engineering	6.465
8	<b>2023</b>	Comparative study of machine learning algorithms for Kannada twitter sentimental analysis	<b>Patil P.B., Ijeri D.,</b> Kulkarni S.A., Burkaposh S.S., Bhuyyar R., Gugawad V.	Multimedia Tools and Applications	3.6
9	<b>2023</b>	Microfluidics temperature compensation and tracking for drug injection based on mechanically pulsating heat exchanger	<b>Sankad G.C., Priyadarsini G.D.,</b> El-Rahman M.A., Gorji M.R., Alsufi N.A.	Journal of Thermal Analysis and Calorimetry	4.4
10	<b>2023</b>	Mechanical Properties of High-Strength Self-Compacting Concrete	<b>Zende A.A., Momin A.I.A.,</b> Khadiranaikar R.B., Alsabhan A.H., Alam	ACS Omega	4.1

			S., Khan M.A., <b>Qamar M.O.</b>		
11	<b>2023</b>	Microfluidic systems with a pulsating heat pipe	<b>Gampala Durga Priyadarsini, Gurunath Sankad</b>	Physics of Fluids	4.98
12	<b>2022</b>	Simultaneous sensing of mesalazine and folic acid at poly (murexide) modified glassy carbon electrode surface	<b>Chadchan K.S.,</b> Teradale A.B., Ganesh P.S., <b>Das S.N.</b>	Materials Chemistry and Physics	4.778
13	<b>2022</b>	A new automated segmentation and classification of mammogram images	<b>Patil R.S.,</b> Biradar N., Pawar R.	Multimedia Tools and Applications	3.6
14	<b>2022</b>	Modeling Of Blood Flow With Stenosis And Dilatation	<b>Dhange M., Sankad G.,</b> Bhujakkanavar U.	Mathematics and Mechanics of Complex Systems	1.354
15	<b>2022</b>	A mathematical model of blood flow in a stenosed artery with post-stenotic dilatation and a forced field	<b>Dhange M., Sankad G.,</b> Safdar R., Jamshed W., Eid M.R., Bhujakkanavar U., Gouadria S., Chouikh R.	PLoS ONE	3.752
16	<b>2022</b>	Fabrication of nanoclay-modified electrodes and their use as an effective electrochemical sensor for biomedical applications	Laxmi S. Killedar a, Pramod R. Vernekar a, Mahesh M. Shanbhag a, Nagaraj P. Shetti b, <b>Ramesh S. Malladi</b> c, Ravindra S. Veerapur d, Kaka	Journal of Molecular Liquids	6

			rla Raghava Reddy e		
17	2022	Thermal analysis characterisation of solar-powered ship using Oldroyd hybrid nanofluids in parabolic trough solar collector: An optimal thermal application	Shahzad F., Jamshed W., Safdar R., Hussain S.M., Nasir N.A.A.M., <b>Dhange M.</b> , Nisar K.S., Eid M.R., Sohail M., Alsehli M., Elfasakhany A.	Nanotechnology Reviews	6.739
18	2021	Synthesis of Ca-doped ZnO nanoparticles and its application as highly efficient electrochemical sensor for the determination of anti-viral drug, acyclovir	Ilager D., Shetti N.P., <b>Malladi R.S.</b> , Shetty N.S., Reddy K.R., Aminabhavi T.M.	Journal of Molecular Liquids	6.633
19	2021	Flow of blood mixed with copper nanoparticles in an inclined overlapping stenosed artery with magnetic field	<b>Umadevi C.</b> , <b>Dhange M.</b> , Haritha B., Sudha T.	Case Studies in Thermal Engineering	6.268
20	2021	Assessment of impacts of land use/land cover changes upstream of a dam in a semi-arid watershed using QSWAT	<b>Tanksali A.</b> , Soraganvi V.S.	Modeling Earth Systems and Environment	3
21	2020	Effect of titanium dioxide and gadolinium dopants on photocatalytic behavior for acriflavine dye	Bagwan U.R., Shaikh I.N., <b>Malladi R.S.</b> , Harihar A.L., Hunagund S.M.	Journal of Rare Earths	4.632
22	2020	Novel ruthenium doped TiO <sub>2</sub> /reduced graphene oxide hybrid as highly selective sensor for the determination of amroxol	Bukkitgar S.D., Shetti N.P., <b>Malladi R.S.</b> , Reddy K.R., Kalanur S.S., Aminabhavi T.M.	Journal of Molecular Liquids	6.633
23	2020	Novel layered structured bentonite clay-based	Vernekar P.R., Shetti N.P.,	Microchemical Journal	5.304

		electrodes for electrochemical sensor applications	Shanbhag M.M., Malode S.J., <b>Malladi R.S.</b> , Reddy K.R.		
24	<b>2020</b>	Behavior of geopolymer concrete under cyclic loading	Hutagi A., Khadiranaikar R.B., <b>Zende A.A.</b>	<a href="#">Construction and Building Materials</a>	<b>7.4</b>
25	<b>2020</b>	Unsteady flow of Rabinowitsch fluid peristaltic transport in a non-uniform channel with temperature-dependent properties	Rajashekhar C., Vaidya H., Prasad K.V., Tlili I., <b>Patil A.</b> , <b>Nagathan P.</b>	Alexandria Engineering Journal	6.626
26	<b>2019</b>	Fabrication of ZnO nanoparticles modified sensor for electrochemical oxidation of methdilazine	Shetti N.P., Malode S.J., Nayak D.S., Bagihalli G.B., Kalanur S.S., <b>Malladi R.S.</b> , Reddy C.V., Aminabhavi T.M., Reddy K.R.	Applied Surface Science	<b>7.392</b>
27	<b>2019</b>	Electrochemical detection and degradation of textile dye Congo red at graphene oxide modified electrode	Shetti N.P., Malode S.J., <b>Malladi R.S.</b> , Nargund S.L., Shukla S.S., Aminabhavi T.M.	Microchemical Journal	5.304
28	<b>2018</b>	Electrochemical Sensor for the Determination of Paracetamol at Carbamazepine Film Coated Carbon Paste Electrode	<b>Teradale A.B.</b> , Lamani S.D., Ganesh P.S., Kumara Swamy B.E., <b>Das S.N.</b>	Zeitschrift fur Physikalische Chemie	4.315
29	<b>2018</b>	Analysis and experiment of magneto-mechanically coupled harvesters	<b>Malaji P.V.</b> , Ali S.F.	Mechanical Systems and Signal processing	<b>8.934</b>

30	<b>2018</b>	A relative 3D scan and construction for face using meshing algorithm	Savakar D.G., <b>Hosur R.</b>	Multimedia Tools and Applications	3.6
31	<b>2017</b>	Experimental and theoretical study on Experimental and theoretical study on dehumidification potential of clay-additives based CaCl <sub>2</sub> composite desiccants	<b>C.R. Hiremath</b> , Ravi kiran Kadoli, V.V. Katti	<a href="#">Applied Thermal Engineering</a>	6.465