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PRINCIPAL

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Anekant Education Society's

TULJARAM CHATURCHAND COLLEGE

of Arts, Science and Commerce, Baramati - 413102.

Dist. Pune. Maharashtra, India.

Empowered Autonomous Status

Religious Minority Institute

NAAC Reaccredited 'A+' Grade, CGPA 3.55

NAAC-SSR

Cycle IV

2019 - 2024

Criterion No. III. : Research, Innovations and Extension

3.4.3

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Details of research papers in CARE Journals notified on UGC website during the year 2023-24

Sr. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	Links of Evidence
1	Impact of Co:Fe cations composition in amorphous and mesoporous cobalt iron phosphate electrocatalysts synthesized by SILAR method on durable electrochemical water splitting	Sachin B Kulkarni	Physics	International Journal of Hydrogen Energy	2024	
2	Response of cardiac pulse parameters in humans at various	Ashok E. Kalange	Physics	npj Microgravity	2023	
3	Cavity structured S-NiO with improved energy density for aqueous asymmetric hybrid supercapacitors by CDA mechanism	Pratik Ashok Patil, Rajendra Devidas Kale and Sachin Babasaheb Kulkarni	Physics	Materials Advances Royal Society of Chemistry	2023	
4	Performance analysis of the probability of water resources through smote	Ashok E. Kalange	Physics	Journal of the Maharaja Sayajirao University of Baroda	2024	
5	Review on Waste Water under Different Regions and Water Purification Techniques and Their Limitations	PJayashri Waghmode, Sagar SodmiseP, Ashwini JadhavP, Supriya Shinde P, and P PRamchandra	Physics	IJISET - International Journal of Innovative Science, Engineering & Technology	2023	





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6	HEART DISEASE PREDICTION USING MACHINE LEARNING ALGORITHMS	Dr. Aniket Siddhaling Kothawale,	Physics	Journal of the Maharaja Sayajirao University of Baroda	2024	
7	Statistical study of menstrual irregularities in Adolescent girls from Baramati	Priti M. Mohite, Neeta K .Dhane and Farooqui M. Ali Zakirhussain	Stat	Journal of the Maharaja Sayajirao University of Baroda	2023	
8	Complete genome sequences of phytoplasma strains in group 16SrII associated with <i>Parthenium</i> phyllody in India	Kiran Kirdat1,2, Bhavesh Tiwarekar1, Shivaji Sathe2, and Amit Yadav1	Microbiology	Phytopathogenic Mollicutes	2023	
9	Flat Price prediction in Baramati	Neeta K .Dhane and Dr. Vaishali Patil,	Stat	Journal of the Maharaja Sayajirao University of Baroda	2023	
10	A statistical analysis of factors impacting on the weight of newborn baby in Baramati	Neeta K .Dhane and Dr. Vaishali Patil,	stat	Journal of the Maharaja Sayajirao University of Baroda	2023	
11	Anaemia in reproductive age women: exploring key influencing Factors	Pooja S. Zanjurne, Vaishali V. Patil and Farooqui M. A. Zakirhussain,	Stat	Journal of the Maharaja Sayajirao University of Baroda	2023	
12	Role of Data Science and Analytics model (Learn to Serve to Learn) for achieving the goal of the “New Education policy” with NSS in higher education - A pilot CASE Study	Kardile Vilas Vasantrao, Landage Vaibhav Prabhakar and Choudhar Shital Balu	Stat	Journal of Emerging Technologies and Innovative Research	2023	
13	PIPES-ZnO NPs coupled catalyst for the synthesis of 2-{(H-indole-3-yl)phenyl} methyl 5,5dimethyl cyclohexane-1,3-diones	S. T Salunkhe, SB Sapkal	Chemistry	Results in chem	2023	



14	Development of Arduino Based Solar Tracking System to Increase Efficiency of Solar Panel	A. M. Pawar, A. A. Langote, J. D. Deshpande and S. N. Patil	Electronics	Journal of Emerging Technologies and Innovative Research (JETIR)	October 2023, Volume 10, Issue 10	
15	Development of Smart Real Time Embedded System For Weather Monitoring	A. M. Pawar, J. D. Deshpande and S. N. Patil	Electronics	Journal of the Maharaja Sayajirao University of Baroda	Volume-58, No.1(III) : 2024	
16	A Study of women empowerment in India –Issues and Challenges	Prof.S.B.Sable	Economics	Juni Khayat	Sep-23	
17	Social Media & Academic Achievement: Linking Implications for Education	Dr. Vivek Anil Bale	Commerce	Education and Society	2023	
18	In silico Characterization of dragline silk proteins from the spider, Trichonephila clavipes using Computational Tools and Servers	Deepali Sangale, Sandip Chordiya and Vitthal Nale	Zoology	International Journal of Advance and Applied Research	2023	
19	Morphometric and meristic analysis of Oreochromis mossambicus from Nira river of Baramati tehsil of Maharashtra	Mayur Shitole, Monali Gadhave, Priti Jadhav, Jyoti Ghorpade, Samadhan Kare	Zoology	International Journal of Entomology Research	2024	
20	Comparative study of self relocating design and type ii censoring Under exponential distribution	Chandrashekhar Swami, Dr. Vaishali Patil,	Stat	Journal of the Maharaja Sayajirao University of Baroda	2023	
21	Study on diversity of Spider Fauna in Mangalwedha region of Solapur District, Maharashtra	Deepali Sangale, Sandip Chordiya & Vitthal Nale	Zoology	International Journal of Entomology Research	2024	
22	Plant Based Bioethanol Production: A Review	Dhawal Doshi and Yogini Mulay	Microbiology	Bulletin of Environment, Pharmacology and Life Sciences	2024	
23	Bio-Synthesis and Characterization of Silver Nanoparticles	D. V. Doshi, S. S. Gawade, N. K. Gadiya, S. L. Kale and Y. R. Mulay	Microbiology	Bioinfolet	2024	



24	Microbial surface active compounds (SACs) for betterment of environment	D. V. Doshi and Y. R. Mulay	Microbiology	Ecology, Environment and Conservation	2024	
25	Insect vectors of phytoplasmas in soybean fields: Discovery of <i>Recilia dorsalis</i> and <i>Exitianus indicus</i> through feeding medium assay	Kiran Kirdat, Bhavesh Tiwarekar, Shivaji Sathe, Amit Yadav	Microbiology	Phytopathogenic Mollicute	2023	




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