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॥ सिद्धिरनेकान्तात् ॥

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**  
**Q<sub>n</sub>M**


Details of research papers per teacher in CARE Journals notified on UGC website during the year 2021-22

Sr.No	Title of the Paper	Name of the Author(s)	Department of the Author(s)	Name of the Journal	Month and Year of publication	Link for Evidences
1	A Review of techniques for Heart Disease Diagnosis and prediction.	S.A.Gawade, J.D.Deshpande	Electronics	IJRSET Volume 10, Issue 7	Jul-21	
2	The impact of Covid-19 on Economic Activity: Evidence from Agriculture	Chandrakant Kamble	Economics	Akshar Wangmay	Oct-21	
3	A plausible involvement of GABAA/benzodiazepine receptor in the anxiolytic-like effect of ethyl acetate fraction and quercetin isolated from Ricinus communis Linn. leaves in mice	Vaishali Murade Amit Waghmare Deepali Pakhare Sonali Dichayal Rajesh Patil Manish	Chemistry	<b>Phytomedicine Plus</b>	2021	
4	Indian Rural Education System : Problems and Prospects	Chandrakant Kamble	Economics	Alochan Drishti	Dec-21	
5	Influence of Eucalyptus Leaves Extract on Antibacterial Activity of ZnO Nanoparticles	Swapnil J. Rajoba, Dipali S. Tate, Sandeep S. Tate, Rajendra D. Kale	Physics	Micromolecular Symposia	Dec-21	



6	Nanoparticle Engineered Photocatalytic Paints: A Roadmap to Self-Sterilizing against the Spread of Communicable Diseases	Vijay S. Mohite , Milind M. Darade , Rakesh K. Sharma and Shivaji H. Pawar	Physics	Catalysts	Mar-22	
7	Piriformospora indica Primes Onion Response against Stemphylium Leaf Blight Disease	Murumkar, Chandrashekhar ;	Botany	Pathogens, Vol. 10(9):	Aug-21	
8	Review of Sun's Position Tracking System to Increase Efficiency of Solar Panel	A. A. Langote, A. M. Pawar, J. D. Deshpande and S. N. Patil	Electronics	Journal of Emerging Technologies and Innovative Research (JETIR)	Apr-22	
9	Structural, Morphological, and Vibrational Properties of Porous $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> Nanoparticles Prepared by Combustion method	Swapnil J. Rajoba, A. R. Badabade, P. C. Pingale, Rajendra D. Kale	Physics	Micromolacular Symposia	Dec-21	
10	Tuning of Photoluminescence behavior of gold chitosan-polyvinyl alcohol binding with graphene quantum dots	Shrikrishna T. Salunke	Chemistry	Material today: proceedings	2022	
11	Studies on exopolysaccharide production from Aureobasidium pullulans spi 10 and its application as a green inhibitor for corrosion mitigation	Yogini Ramkrishna Mulay, Kajal Mahadev Gaikwad, Geetanjali Eknath Pansare, Monika Prashant Madane,	Microbiology	Journal of Applied Biology & Biotechnology	Oct-21	
12	Binder free cobalt iron phosphate thin films as efficient electrocatalysts for overall water splitting	Suraj A.Khalate, Sujit A.Kadamb, Yuan-RonMab, Sachin B.Kulkarnic, Vinayak G.Paraled, Umakant M.Pati	Physics	Journal of Colloid and Interface Science	May-22	



13	WATER QUALITY ANALYSIS OF NIRA RIVER	Dr. Neeta Kishor Dhane, Dr. Vaishali Vilas Patil	Statistics	Journal of Emerging Technologies and Innovative Research	Jan-22	
14	Facile Synthesis and Characterization of Pentanary Zn(Co, Cd, S)Se Semiconductor Thin Films	S. T. Pawar, S. A. Lendave, G. T. Chavan, V. M. Prakshale, S. S. Kamble, L. K. Bagal & P. C. Pingale	Physics	Springer	Jun-21	
15	IMPACT OF SOCIAL MEDIA TOOLS OVER NATIONAL SECURITY A CRITICAL ANALYSIS BY USING TEEE FRAMEWORK	Devidas Vijay Bhosale* And Dr. Chandrakant Bansidhar Bhange	Defence studies	INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY EDUCATIONAL RESEARCH	Feb-22	
16	Cryptographic methods based on Laplace-Elzaki Transform	Jadhav Shaila Shivaji	Mathematics	Journal of The Maharaja Sayajirao University of Baroda	Jul-21	
17	Novel 1,2,4-triazole analogues as mushroom tyrosinase inhibitors: synthesis, kinetic mechanism, cytotoxicity and computational studies	Balasaheb D. Vanjare, Prasad G. Mahajan, Nilam C. Dige, Hussain Raza, Mubashir Hassan, Yohan Han, Song Ja Kim, Sung-Yum Seo, Ki Hwan Lee	Chemistry	Molecular Diversity	2021	
18	Novel rhodamine based chemosensor for detection of Hg <sup>2+</sup> : Nanomolar detection, real water sample analysis, and intracellular cell imaging	Balasaheb D. Vanjare, Prasad G. Mahajan, Hyang-ImRyoo, Nilam C. Dige, Nam Gyu Choi, Yohan Han, Song Ja Kim, Chong-Hyeak Kim, Ki Hwan Lee	Chemistry	Sensors and Actuators B: Chemical,	2021	



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