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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

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Details of research papers per teacher in CARE Journals notified on UGC website during the year 2019-20

Sr. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	Link for Evidence
1	A phanerogamic parasite Cuscuta reflexa Roxb. : A Review	M. B. Kanade, Sujit Wagh, B. S. Mali and S. J. Chavan	Botany	Bioinfolect, 2020, 17(3A), 355-365, IF - 2.22	2020	
2	A Study of Awareness and Perception Level of Prospective Consumers towards Electric Vehicles	Niranjan R. Shah	Commerce	International Journal for Research in Applied Science & Engineering Technology	2020	
3	African Rhythm and African Sensibility in Chinua Achebe's Novel Things Fall Apart	Sachin N. Gadekar	English	Impressions: A Bi-Annual Refereed e-Journal of English Studies ISSN/ISBN - 2320-6608	2019	
4	An impact of Artificial Intelligence in Fabric and Apparel Industry	Dr. Janardhan Pawar	Commerce	OUR HERITAGE, ISSN/ISBN - 0474-9030	2020	









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5	Biosynthesized Co-doped TiO ₂ nanoparticles based anode for lithium-ion battery application and investigating the influence of dopant concentrations on its performance	Dr. Swapnil Jinendra Rajoba Anil A Kashale, Akash S Rasal, Gokul P Kamble, Vijay H Ingole, Pravin K Dwivedi, Lata D Jadhav, Yong-Chien Ling, Jia-Yaw Chang, Anil V Ghule	Physics	Composites Part B: Engineering	2019	
6	Carbon Dioxide Gas Sensing Property of Nickel Substituted Zinc Ferrite	APARNA PAWAR S. N. Patil, , B. P. Ladgaonkar	Electronics	Journal on Material Science(JMS)	2019	
7	Classification of Categorical Outcome Variable Based On Logistic Regression and Tree Algorithm	Vaishali V. Patil P. V. Jadhav, S. D. Gore	Statistics	International Journal of Recent Technology and Engineering (IJRTE) ISSN/ISBN - 2277-3878	2020	
8	Comparison of accumulation of organic and inorganic osmolyte in Trianthema portulacastrum L. growing in saline and non-saline habitats.	Rupali Chitale B. S. Mali	Botany	Eco. Env. & Cons. ISSN/ISBN - 0971-765X	2020	 1







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9	Consumer Behavior Regarding New Products in India Buying Through Online Shopping	Sudarshan Popat Pawar Dr. Janardhan K. Pawar	Commerce	OUR HERITAGE ISSN/ISBN - 0474-9030	2020	
10	Demonetization - Its Impact on Indian Economy	Mohit Raut	Economics	Our Heritage, International Multidisciplinary E-Research Journal ISSN/ISBN - 2348-7143	2020	
11	Digital Finance and Its Impact on Financial Inclusion	Dr. Janardhan Pawar, Manish Bhosale	Commerce	OUR HERITAGE ISSN/ISBN - 0474-9030	2020	
12	Effect of Sm ³⁺ substitution on the structural and magnetic properties of Ni-Co nanoferrites	Dr. Maruti Kerba Kokare Nitin A Jadhav, Vijay Singh, SM Rathod	Physics	Optics & Laser Technology ISSN/ISBN - 2279-0543	2019	
13	Effect of various chloride and sulphat salt concentrations on seed germination of <i>Trianthema portulacastrum</i> L. growing on man made saline soil from Baramati (Dist. Pune) MS	B.S.Mali, SA Palve, PA Shelar	Botany	Ecology, Environment and Conservation ISSN/ISBN - 0971-765X IF 0.12	2020	









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14	Effect of vermicompost and Parthenium compost on growth and yield of Brinjal (Solanum melongena L. cv. Panchganga)	Rupali Chitale B. S. Mali	Botany	Ecology, Environment and Conservation ISSN/ISBN - 0971-765X IF 0.12	2020	
15	Emerging Trends in Digital Marketing in India	Janardhan Pawar	Commerce	OUR HERITAGE ISSN/ISBN - 0474-9030	2020	
16	Extracellular Biosynthesis of Silver Nanoparticles using Bacterial isolate from saline soil	S. T. Pawar A. A. Bhosale, S.S. Gaikwad, J. Ayyadevra	Microbiology	Journal of Nanoscience and Technology (JNST)	2019	
17	Green approach to phytopathogen : Characterization of lytic bacteriophages of <i>Pseudomonas</i> sp., an etiology of the bacterial blight of pomegranate	MILIND HEMRAJ GAJBHIYE Smita Jagdale, Sangeeta Ahiwale, Balu Kapadnis	Microbiology	ELSEVIER, Microbiological Research	2020	
18	Green Marketing Scenario in India	Sudarshan Popat Pawar Dr. Janardhan K. Pawar	Commerce	OUR HERITAGE	2020	
19	Highly Efficient Microwave-assisted One-Pot Synthesis of Aromatic Nitriles from Aromatic Aldehydes	Dr. Rahul Subhash Bhondwe Pujari P L, Thorat P. V., Mahipal A.B.	Chemistry	Russian Journal of Organic Chemistry	2019	





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20	HISTOPATHOLOGICAL STUDY OF CLARIAS BATRACHUS (LINNAEUS, 1758) INFECTED WITH TAPEWORM FROM BARAMATI TEHSIL, PUNE DISTRICT (M.S.) INDIA.	V. B. Nale, S.P.Chordiya	Zoology	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	
21	Histopathological study of <i>Mystus seenghala</i> (Sykes, 1839) infected with tapeworm from Baramati Tehsil, Pune District (MS), India.	V. B. Nale, S.P.Chordiya	Zoology	Our Heritage, ISSN/ISBN - 0474-9030	2020	
22	Influence of synthesis parameters on the physicochemical and electrochemical properties of LiFePO ₄ for Li-ion battery	Dr. Swapnil Jinendra Rajoba L D Jadhav, R S Kalubarme, S N Yadav	Physics	Journal of Alloys and Compounds	2019	
23	Isolation, Characterization and Identification of Probiotic Lactic Acid Bacteria and Bacteriocin Production	Dr. S. T. Pawar Amol Salunke, Ashwini Udande, Sachin Taware, Amarsingh Bhosale	Microbiology	International Journal of Pharmacy and Biological Sciences, IF 0.88	2019	







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24	Medium Optimization Studies for the Production of Anti-Xanthomonas Axonopodis Compounds by Bacillus GS1	Dr. S. T. Pawar Soniya Tembore, Shobha Shelar, Priyanka Mane	Microbiology	International Journal of Pharmacy and Biological Sciences, IF 0.88	2019	
25	Modeling rainfall rainfall in different rainy Nakshatras : A Markov chain Approach.	Vikas S. Kakade Chandrashekar Swami, Namrata Patil, Trupti Doshi.	Statistics	International Journal of Research and Analytical Reviews(IJRAR)	2019	
26	Open Datasets : Need of Hour	A.S.Jagtap & S.M.Choudhari	Statistics	Journal of Interdisciplinary Cycle Research, ISSN/ISBN - 2394-3114 IF. 0.10	2020	
27	POPULATION DYNAMICS OF SENGAL SPP IN MASTACEMBELUS ARMATUS FROM BARAMATI TEHSIL, PUNE DISTRICT, (M.S.)	Sandip Chordiya	Zoology	JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH (JETIR), IF 7.95	2019	
28	Potential use of Parthenium (Parthenium hysterophorus L.) as compost	Rupali Chitale B. S. Mali	Botany	Ecology, Environment and Conservation ISSN/ISBN - 0971-765X IF 0.12	2020	
29	Synthesis, Characterisation and antimicrobial screening of some new thiazolyl	VP Landage, DR Thube, BK Karale	Chemistry	Indian Journal of Chemistry, IF 0.3 	2019	

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	chromones and pyrazoles					
30	Powdery Mildew Fungi from Phaltan Area of Satara District, Maharashtra	Rupali Chitale Vivek Kadam, MB Kanade, Sourabh Chandankar, Sujit Wagh, Prasad bankar	Botany	International Journal of Current Microbiology and Applied Sciences, SSN/ISBN - 2319-7706 IF 0.16	2019	
31	Sample based side sensitive group runs control chart to detect shifts in the process mean	Vikas Kakade, M.P. Gadre	Statistics	Communications in Statistics - Simulation and Computation, IF 0.61	2019	
32	Sequential photocatalysis and biological treatment for the enhanced degradation of the persistent azo dye methyl red	Dr. Ramchandra Tukaram Sapkal Tatoba R.Waghmode abMayur B.KuradecRamchandra T.SapkaldChandrakant H.BhosaledByong-HunJeoncSanjay P.Govindwarac	Physics	Journal of hazardous materials, IF 9.03	2019	
33	Trauma and Socio-Political Concerns: A Study of Selected Modern Post-War Narratives	Sachin N. Gadekar	English	International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM)ISSN/ISBN - 2320-6608 IF 2.50	2019	
34	Some side sensitive group runs based control chart to detect shifts in	Vikas Kakade, M.P. Gadre	Statistics	Communications in Statistics - Simulation and Computation, IF 0.61 	2019	

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	the process median					
35	Studies of Plant Growth Promoting Rhizobacterial Inoculants on Sugarcane in Saline Soil	Dr. S. T. Pawar Supriya M.Rane, Pravin R. Puranik	Microbiology	International Journal of Pharmacy and Biological Sciences, IF 0.88	2019	
36	Study of Consumer Perception For Environment Friendly Products With Reference to Selected textile Industries In Pune	Anpat Deepali	BBA	<i>Studies in Indian Place indexed, ISSN/ISBN - 2394-3114</i>	2019	
37	Study of Efficiency of a30MW Coal Fueled Thermal Power Plant Attached with a Paper Mill	Rajendra Kale and Rathi Bhowmik	Physics	International Journal of Scientific Research and Review, ISSN/ISBN - 2279-0543, IF 4.39	2019	
38	Synthesis of silver nanoparticles by using Irpex lacteus (Meruliaceae) a wood rotting Aphylophore	Yemul NB, Kanade MB, Murumkar CV	Botany	International Journal of Scientific Research and Review, ISSN/ISBN - 2279-0543, IF 4.39	2019	
39	A nano sensor for sensitive and selective detection of Cu ²⁺ based on Fluorescein: Cell imaging and drinking water analysis	Prasad G. Mahajan, Nilam C. Dige, Balasaheb D. Vanjare, Seong-Hui Eo, Song Ja Kim, Ki Hwan Lee	Chemistry	SpectrochimicaActa Part A: Molecular and Biomolecular Spectroscopy, , 	2019	

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40	Synthesis and Studies on Photophysical Properties of Rhodamine Derivatives for Bioimaging Applications	Balasaheb D. Vanjare, Prasad G. Mahajan, Nilam C. Dige, Abdul Rehman Phull, Song Ja Kim, Ki Hwan Lee	Chemistry	Bulletin of the Korean Chemical Society,	2019,	
41	Facile synthesis of new quinazolinone benzamides as potent tyrosinase inhibitors: Comparative spectroscopic and molecular docking studies	Prasad G. Mahajan, Nilam C. Dige, Balasaheb D. Vanjare, Hussain Raza, Mubashir Hassan, Sung-Yum Seo, Chong-Hyeak Kim, Ki Hwan Lee	Chemistry	Journal of Molecular Structure	2019	
42	Synthesis and biological evaluation of 1,2,4-triazolidine-3-thiones as potent acetylcholinesterase inhibitors: in vitro and in silico analysis through kinetics, chemoinformatics and computational approaches	Prasad G. Mahajan, Nilam C. Dige, Balasaheb D. Vanjare, Hussain Raza, Mubashir Hassan, Sung-Yum Seo, Chong-Hyeak Kim, Ki Hwan Lee	Chemistry	Molecular Diversity	2019	
43	Ultrasound mediated efficient synthesis of new 4-oxoquinazolin-3(4H)-ylfuran-2-carboxamides as potent tyrosinase inhibitors: Mechanistic approach	Nilam C. Dige, Prasad G. Mahajan, Hussain Raza, Mubashir Hassan, Balasaheb D. Vanjare, Hansol Hong, Ki Hwan Lee, Jalifahlatip, Sung-Yum Seo	Chemistry	Bioorganic Chemistry	2019	



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	through chemoinformatics and molecular docking studies					
44	Nano molar level chromogenic and fluorogenic sensing of heavy metal ions using multi-responsive novel Schiff base as a dual mode chemosensor	Prasad G. Mahajan, Nilam C. Dige, Balasaheb D. Vanjare, Eswaran Kamraj, Sung-Yum Seo, Ki Hwan Lee	Chemistry	Journal of Photochemistry & Photobiology A: Chemistry	2019	
45	Novel Route for the Synthesis of 5-(4-Hydroxy-2-oxo-2H-chromen-3-yl)-1,3-dimethyl-1H-chromeno[2,3-d]pyrimidine-2,4(3H,5H)-diones	Nilam C. Dige, Prasad G. Mahajan, Ramdas K. Dhokale, Sarika M. Chinchkar, Mayuri V. Patil, Dattaprasad M. Pore	Chemistry	Organic Preparations and Procedures International, ,	2019	
46	Synthesis and Biological activities of novel aryldiazo substituted heterocycles	Suyog N. Korde, Nilam C. Dige, Pradeep M Mhaldar, Suraj A. Sonawane, Sandip. P. Vibhute, Dipak S. Gaikwad, Jayavant D. Patil, Dattaprasad M. Pore	Chemistry	Organic Preparations and Procedures International	2019	
47	Design and Synthesis of New Porphyrin Analogues as Potent Photosensitizers for Photodynamic Therapy:	Prasad G. Mahajan, Nilam C. Dige, Balasaheb D. Vanjare, S. Yum Seo, K. H. Lee	Chemistry	Journal of Fluorescence	2020	



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	Spectroscopic Approach					




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