



Chowgule Education Society's

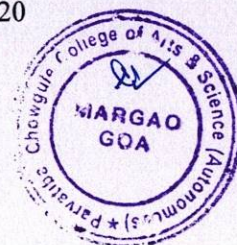
Parvatibai Chowgule College of Arts and Science Autonomous

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Best Affiliated College-Goa University Silver Jubilee Year Award

Research publications on Scopus/ Web of Science for the calendar year 2020 to 2022

Title of paper	Name of the author/s	Name of journal	Year of publication	Department
"A Simple and Efficient Route to 2-Arylimidazo[1,2-a]pyridines and Zolimidine Using Automated Grindstone Chemistry"	Das D, Bhutia ZT, Panjikar PC , Chatterjee A and Banerjee M	Journal of Heterocyclic Chemistry (Wiley Publications)	2020	Pravatibai Chowgule College of Arts and Science (Autonomus), Margao, Goa, India
"Iodine Promoted Efficient Synthesis of 2-Arylimidazo[1,2- α]pyridines in Aqueous Media: A comparative study between Micellar Catalysis and an "On-Water" Platform"	Bhutia ZT, Panjikar PC , Iyer S, Chatterjee A and Banerjee M	<i>ACS Omega</i> 2020	2020	Pravatibai Chowgule College of Arts and Science (Autonomus), Margao, Goa, India
A new modified Morse potential function for diatomic molecules	Desai, AM , Mesquita N, and Fernandes V	Physica Scripta	2020	Department of Physics, Parvatibai Chowgule College of Arts and Science, Margao, Goa 403602, India
Structural and magnetic studies of nanocrystalline Ni Zn ferrites synthesized by sol gel method	Desai Y P , Jamwal S, Modiyil S, Sathe R, Kothawale M M	AIP Conference Proceedings	2020	Department of Physics, Parvatibai Chowgule College of Arts and Science, Margao, Goa 403602, India
Mn(I)-Catalyzed Mechanochemical C-H Bond Activation: C-2	Das D., Bhosle A. A., Panjikar P. C., Chaterjee A.	ACS Sustainable and Chemistry	2020	Pravatibai Chowgule College of Arts and Science (Autonomus),



Selective Alkenylation of Indoles.	Banerjee M	Engineering		Margao, Goa, India
Contrasting patterns of microbial communities in glacier cryoconite of Nepali Himalaya	Singh P. , Tsuji M., Singh S. M., Takeuchi N.	Sustainability	2020	Parvatibai Chowgule College of Arts and Science, (Autonomous), Margao, Goa
On the inadequacy of environment impact assessments for projects in Bhagwan Mahavir Wildlife Sanctuary and National Park of Goa, India: a peer review	Punjabi, G., Jayadevan, A., Jamalabad, A., Velho, N., Niphadkar-Bandekar, M., Baidya, P., Jambhekar, R., Rangnekar, P., Dharwadkar, O., Lopez, R., Rodrigues, M., Patel, F.D., Sathya Chandra Sagar, H.S., Banerjee, S., Chandi, M., Mehrotra, N., Srinivasan, S., Shahi, S., Atkore, V., Kulkarni, N., Mallapur, G., Gawas, H., Borker, A., Prabhukhanolkar, R., Gauns, H.S., Halali, D., Shinde, V.D., Fernandez, K., Purdie, E., Borkar, M.R.	Journal of Threatened Taxa	2020	Parvatibai Chowgule College of Arts and Science, (Autonomous), Margao, Goa
Effect of Co. substitution on structural and magnetic properties of $Ni_{0.6}Zn_{0.4}Fe_2O_4$ nanoferrite	Desai Y P , Desai S, Sinai Sangaonkar D, Kothawale M M, Naik G K	Materials Today: Proceedings	2021	Department of Physics, Parvatibai Chowgule College of Arts and Science, Margao, Goa 403602, India
Melting of Mott phases in spin 1 Bose Hubbard model	Alavani B. K., Das A. , Pai R. V.	AIP Conference Proceedings	2021	Department of Physics, Parvatibai Chowgule College of Arts and Science, Gogol, Margao, Goa 403602, India
A simple technique to mitigate microplastic pollution and its mobility(via ballast water) in the global ocean	Naik KR , Chakraborty P, . D'Costa PM, Anilkumar N, Mishra RK and Fernandes V	Environmental Pollution	2021	Department of Biotechnology, Parvatibai Chowgule College of Arts and Science, Margao, Goa, 403601, India



Micellar nanoreactors for organic transformations with a focus on "dehydration" reactions in water: A decade update	Mainak Banerjee, Padmini C.Panjikar, Zigmee T. Bhutiaa, Akhil A. Bhoslea Amrita Chatterjee	Tetrahedron	2021	Parvatibai Chowgule College of Arts and Science, (Autonomous), Margao, Goa
Comparative Genomic Analysis of Arctic Permafrost Bacterium Nesterenkonia sp. PF2B19 to Gain Insights into Its Cold Adaptation Tactic and Diverse Biotechnological Potential	Purnima Singh, Neelam Kapse, Vasudevan Gowdaman, Masaharu Tsuji, Shiv Mohan Singh and Prashant K. Dhakephalkar	Sustainability	2021	Parvatibai Chowgule College of Arts and Science, (Autonomous), Margao, Goa
Partial characterization of an antifreeze protein (CRY-c) from Cryobacterium psychrotolerans MLB-29 of Arctic glacier cryoconite	Singh, P., Tsuda, S., Singh, S.M., Mondal, S., Roy, U.	Polar Science	2021	Parvatibai Chowgule College of Arts and Science, (Autonomous), Margao, Goa
Ecology and sustainability: Mining vis-à-vis Livelihood Amongst the Tribals of Caurem Village - Goa , India	Nandkumar Sawant, Ulhas Gaonkar, Deepak Kumbhar	Nat.Volatiles & Essent.Oils	2021	Department of Physics, Parvatibai Chowgule College of Arts and Science, Margao, Goa 403602, India
Melting of Mott Phases in Spin-1 Bose Hubbard Model	Bhargav K. Alavani, Ananya Das and Ramesh V. Pai	AIP Conference Proceedings	2021	Department of Physics, Parvatibai Chowgule College of Arts and Science, Margao, Goa 403602, India
Habitat selection of smooth-coated otters (Lutrogale perspicillata) in the peri-coastal, urbanised landscape of Goa, India.	Dias SJ, White PJC, Borker AS & Fernandes N V	Mammal Research (Springer publication)	2022	Department of Physics, Parvatibai Chowgule College of Arts and Science, Margao, Goa 403602, India
Grindstone Chemistry: A "Green Approach for the synthesis and derivatization of heterocycles	Banerjee M., Panjikar P, Das D, Iyer S, Bhosle A, and Chatterjee A.	Tetrahedron	2022	Department of Physics, Parvatibai Chowgule College of Arts and Science, Margao, Goa 403602, India
Cluster mean field plus density matrix renormalization theory for the Bose Hubbard models	Pallavi P Gaude, Ananya Das, and Ramesh V Pai	J. Phys. A: Math. Theor.	2022	Department of Physics, Parvatibai Chowgule College of Arts and Science, Margao, Goa 403602, India



Size variation and magnetic dilution effects on the structure and magnetic properties of cobalt zinc ferrite	L. R. Gonsalves, S. G. Gawas, Sher Singh Meena, and V. M. S. Verenkar	J Mater Sci: Mater Electron	Aug-22	Department of Chemistry, Parvatibai Chowgule College of Arts and Science, Margao, Goa, 403602, India
Natural disasters and well-being in India: A household-level panel data analysis	Rupali Tamuly and Pranab Mukhopadhaya	International Journal of Disaster Risk Reduction(online).	Sep-22	Department of Economics, Parvatibai Chowgule College of Arts & Science, Margao, Goa, India
Calculation of tunneling current across trapezoidal potential barrier in a scanning tunneling microscope.	Dessai, M., & Kulkarni, A.	Journal of Applied Physics	Dec-22	Department of Physics, Birla Institute of Technology and Science, Pilani, K K Birla Goa campus, Zuarinagar, Goa 403726,
Projection method for fractional lavretiev regularization method	Chitra Mekoth, Santhosh George, P. Jidesh & Yeol Je Cho	The Journal of Analysis	Oct-22	Department of Mathematics, Parvatibai Chowgule College of Arts and Science, Margao, 403601, Goa, India



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