



M. S. P. Mandal's

Vinayakrao Patil Mahavidyalaya, Vaijapur

Department of Physics

Faculty Publications

i. Research Papers Published in Journal, Magazines/newspapers etc.:

1. Name of the Faculty member: **Dr. B. G. Lone**

Sr. No.	Title of the research paper	Journal volume and page nos.	ISSN/ISBN No	Impact Factor/UGC Carelist Journal Number
1	Dielectric study of methanol–ethanol mixtures using TDR method	Journal of Molecular Liquids https://doi.org/10.1016/j.molliq.2008.03.001	ISSN: 0167-7322	Impact Factor 6.16
2.	Computational nanotechnology in biomedical nanometrics and nanomaterial's	J comp.and theoretical nanoscience 6-10,2146-2151,2009 https://doi.org/10.1166/jctn.2009.1269	1546-1955 (Print) EISSN: 1546-1963 (Online)	Peer Reviewed & Referred IP – 0.48
3	Dielectric and conformal studies of 1-propanol and 1-butanol in methanol	Journal of Molecular Modeling 17,709-719,2011 https://doi.org/10.1007/s00894-010-0772-y	ISSN 1610-2940 EISSN 0948-5023	Peer Reviewed & Referred IF 1.81
4	Competition between carboxylic and phenolic groups for the preferred sites at the periphery of graphene–A DFT study	(Elsevier) Carbon 80,405-418, Dec.2014 https://doi.org/10.1016/j.carbon.2014.08.080	ISSN 0008-6223	Peer Reviewed & Referred IF 9.59

4	Molecular interaction of 1-Pentanol in ethanol	Bionano Frontier Vol.8-3 353-356, Dec.2015	ISSN 0974-0678	Peer Reviewed & Referred IF 0.85
5	Interaction of DNA nucleobases on Single Wall carbon Nanotubes: ab initio Investigation	International journal of advanced research in basic and applied sciences 12-16,2017	ISSN 2394-4072	peer reviewed & Refereed IF 0.52
6	Study of Arginine Amino Acids-Graphene interactions	Advanced science, Engineering & Medicine Vol.11 P. 182-186,2019 https://doi.org/10.1166/asem.2019.2347	ISSN: 2164-6627	peer reviewed & Refereed IF 0.85
7	Characterization of DNA Nucleobases on Pristine Gallium Nitride Nanotubes : A First Principles Approach	OUR HERITAGE Vol.68 Page No. 208- 214, feb.2020	ISSN :0474-9030	49030
8	Density functional investigation of cytosine on platinum decorated graphene	AIP Conference Proceedings 2335, 080001 (2021); https://doi.org/10.1063/5.0043626	1551-7616 (web) 0094-243X (print)	peer reviewed & Refereed 0.4
9	Hydroxychloroquine A Substitute Drug for Treatment of COVID-19	International Journal of Research and Analytical Reviews,380-388,Vol.7, Sept.2020	E-ISSN 2348-1269, P- ISSN 2349-5138	peer reviewed & Refereed 0.75
10	Mg decorated boron doped graphene for hydrogen storage :A DFT method	International Journal for Research in Applied Science & Engineering Technology,181-190 Vol.8,Dec. 2020 https://doi.org/10.22214/ijraset.2020.32442	ISSN: 2321-9653	peer reviewed & Refereed UGC care list no. 45842 & 47916 I.F.1.2

11	DFT analysis of Thymine adsorption on Ti doped graphene for biosensor applications	IOP Science: Journal of Physics: Conference Series https://iopscience.iop.org/journal/1742-6596	Print ISSN: 1742-6588 Online ISSN: 1742-6596	peer reviewed & Refereed I.F.0.599
12	Production of Electricity Using Solar Cells	International Journal for Research in Applied Science & Engineering Technology, 181-190 Vol.9, P.548-552, Aug.2021 https://doi.org/10.22214/ijraset.2021.37412	ISSN: 2321-9653	peer reviewed & Refereed UGC care list no. 45842 & 47916 I.F.1.2

ii. Chapters / Papers Published in Edited Books: Nil

iii. Full papers in Conference Proceedings:

1. Name of the Faculty member: **Dr. B. G. Lonae**

Sr. No.	Title with page nos.	Details of Conference Publication	ISSN/ ISBN No	Publication Year
01	Dielectric relaxation study of Methanol with n-Butyl alcohol at microwave Frequency using time domain reflectometry (TDR) technique	microwaves and optoelectronics (NCMO) Dr. Babasaheb Ambedkar M. University, Aurangabad, held on June 29- 30, 2004.	ISBN 1-904798-43-8	2004
02	Dielectric relaxation study of Propan-2-ol in 2-Ethoxyethanol and 2- methoxyethanol by Microwave frequency using time domain reflectometry technique	microwaves and optoelectronics (NCMO) Dr. Babasaheb Ambedkar M. University, Aurangabad, held on June 29- 30, 2004.	ISBN 1-904798-43-8	2004
03	Structural molecular study of Ayurvedic medicine Ashokarishtra in Ethanol at microwave frequency using time domain reflectometry (TDR) technique	microwaves and optoelectronics (NCMO) Dr. Babasaheb Ambedkar M. University, Aurangabad, held on June 29- 30, 2004. ISBN 1-	ISBN 1-904798-43-8	2004

		904798-43-8 2004		
04	Temperature dependent dielectric relaxation study of ayurvedic medicine Saptarishtra in Methanol at microwave frequency using time domain reflectometry (TDR) technique	microwaves and optoelectronics (NCMO) Dr. Babasaheb Ambedkar M. University, Aurangabad, held on June 29- 30, 2004.	ISBN 1-904798-43-8	2004
	The investigation of Hartree -Fock and configuration interaction method in nanomaterials	National Conference on Nanotechnology fundamentals & Applications-2011 Vinayakrao Patil mahavidyalaya vaijapur	ISBN No.978-93-82202-27-1	2011
	Interaction of adenine and thymine on single-wall carbon nanotubes	Second international conference on Nanotek & Expo, double tree by Hilton Philadelphia, U.S.A.	ISSN:2157-7439	2012

iv. Books published as an author or editor:

1. Name of the Faculty member: **Dr. B. G. Lone**

Sr. No.	Title of the Book	Type of Book & Authorship	Name of the Publisher	ISBN / ISSN No	Publication Year
01	Nanotechnology fundamentals and application	Principal author	Anand Prakashan, Aurangabad	ISBN No.978-93-82202-27-1	2015
02	Physics of Polar liquids vol-I	single author	Educational Publisher & Distributors, Aurangabad, M.S., India	ISBN No.978-93-80876-20-7	2016
03	Physics of Polar liquids vol-II	single author	Educational Publisher & Distributors, Aurangabad, M.S., India	ISBN No:978-93-80876-42-9	2017