



# GIET UNIVERSITY, GUNUPUR

## SCHOOL OF SCIENCE

### FACULTY PUBLICATIONS

Sl No	Name	Title of the Paper	Name of Journal/ Vol. No. / Issue No./ Page No	ISSN No	URL	Academic Year
1	D K Pattanayak	Ferroelectric and Optical Modulations of Double Perovskite Ba <sub>2</sub> BiVO <sub>6</sub>	Journal of Molecular Structure (Elsevier) In Press	0022-2860	<a href="https://doi.org/10.1016/j.molstruc.2019.04.043">https://doi.org/10.1016/j.molstruc.2019.04.043</a>	2019
2	Rabindra Kumar Mishra	Novel 2 – Element Array of Perturbed Circular Patch for 5G Application	IEEE Xplore	2469-5556	10.1109/ICACCS.2019.8728464	2019
3	D K Pattanayak	Structural and optical Properties of a revived Pb <sub>0.5</sub> Ba <sub>1.5</sub> BiVO <sub>6</sub> Perovskite oxide	Journal of Advanced Dielectrics (World Scientific)	2010-135X	10.1142/S2010135x19500048	2019
4	D K Pattanayak	Optical and transport properties of new double perovskite oxide	Journal of Materials Science: Materials in Electronics (Springer)	0957-4522	<a href="https://doi.org/10.1007/s10854-018-8597-z">https://doi.org/10.1007/s10854-018-8597-z</a>	2018
5	Bijayalaxmi Kuanar	Validation of Theoretical Approach of Viscosity in Polar-Apolar Liquid Mixtures Containing a Nuclear Extractant at 303.15K	International Journal of Scientific Research in Science, Engineering and Technology	2395-1990		2018
6	Prativa Kar	Mathematical Computation of Dynamic Viscosity In Mixtures of Arenes and an Extractant (DEHPA) at 303.15 K	AGU International Journal of Science and Technology	2455-3808		2018
7	Ranjeeta Rath	Acoustic Response in the Binary Liquid Mixtures of an Organophosphoric Compound with Cyclohexane and Dioxane	International Journal of Scientific Research in Science, Engineering and Technology	2395-1990		2018
8	Ansuman Nayak	Structural Tuning of Low Band Gap Intermolecular Push/Pull Side-chain Polymers for Organic Photovoltaic Applications	Chinese Journal of Polymer Science (Springer-Verlag)	0256-7679	<a href="http://dx.doi.org/10.1007/s10118-017-1967-9">http://dx.doi.org/10.1007/s10118-017-1967-9</a>	2017
9	D K Pattanayak	Impedance and modulus analysis of double perovskite Pb <sub>2</sub> BiVO <sub>6</sub>	Journal of Materials Science: Materials in Electronics (Springer)	0957-4522	<a href="https://doi.org/10.1007/s10854-017-7581-3">https://doi.org/10.1007/s10854-017-7581-3</a>	2017

10	Biplab Kumar Rath	Effect of Volume fraction along with concentration Parameter in the dusty in compressible fluid	Advances and Applications in Fluid Mechanics, Puspa Publication	0973-4686	<a href="https://doi.org/10.17654/FM020010117">https://doi.org/10.17654/FM020010117</a>	2017
11	T. K. Patnaik	Physical and thermo-mechanical analysis of marble dust filled needle punch nonwovwn jute epoxy composites	International Journal of Trends and Technology (IJETT)	2231-5381		2017
12	B. P. G. Mahapatra	The Problem of silent letters in ESL teaching and learning	International Journal of Creative Research Thoughts (IJCRT)	2320-2882		2017
13	R. K. Mishra	Performance analysis and comparision of dispersion compensation using FBG and DCF in DWDM system	International Journal for Research in applied science & Engineering Technology (IJRASET)	2321-9653		2017
14	K. K. Panda	Ultrasonic behaviour of a nuclear extractant with some apolar diluents at 303.15K	International Journal of Sciences & Applied Research (IJSAR)	2394-2401		2017
15	B. K. Rath	Transverse velocity of the fluid with the effect of volume fraction in the incompressible dusty fluid	International Journal of Advance Research in Science and Engineering (IJARSE)	2319-8354		2017
16	A. K. Dash	Study of Axial Fluid Velocity and particle velocity in an Axially Symmetrical Jet Mixing of a compressible Fluid	International Journal of Engineering, Science and Mathematics	2320-0294		2017
17	D. Patnaik	Algorithm and Architecture for Prime-Factor IDCT	International Journal of Engineering, Science and Mathematics	2320-0294		2017
18	B. K. Rath	Effect of volume fraction along with concentration parameter in the dusty incompressible fluid	Advances and Applications in Fluid Mechanics,	0973-4686		2017
19	T K Patnaik	Investigation of Physico-Mechanical & Thermo-Mechanical Analysis of Alumina filled Needle Punch Non-Woven Jute	Polymer Composites (Wiley)	1548-0569	<a href="https://doi.org/10.1002/pc.24099">10.1002/pc.24099</a>	2016

		Epoxy composites.				
20	B Dalai	Ultrasonic and $^{31}\text{P}$ NMR investigations of an acidic nuclear extractant with some monosubstituted benzenes	J. Chem. Thermodynamics (ELSEVIER)	0021-9614	10.1016/j.jct.2015.09.036	2016
21	Ansuman Nayak	An Experimental Study on Removal of Cod & Bod From Dairy Waste Water Using Gac – an Economical Approach	VSRD International Journal of Mechanical, Civil, Automobile and Production Engineering,	2319-2208		2016
22	S Patnaik	Adsorption of Arsenate from Aquous Solution by Polyacrylamide Grafted Used Tea Leaves	An International Refereed, Peer Reviewed & Indexed Quarterly Journal in Science, Agriculture & Engineering	2319-1821		2016
23	Bishnu Paramguru Mahapatra	Do Engineering Graduates Possess Active Listening Skill?	International Journal of English Language and Literature	2321-7065		2016
24	Debasis Pattanaik	Changing Dynamics of Vocabulary Teaching to Professional Students	Indian Streams Research Journal	2229-5518		2016
25	Debasis Pattanaik	Indian Education: A New Roadway	Indian Streams Research Journal	2229-5518		2016
26	Dillip Kumar Pattanayak	Impatt Diode- The Future Source For Terahertz Application -A Review	International Journal for Scientific Research & Development	2321-0613		2016
27	B . K. Rath	Effect of Longitudinal Velocity of the Particle of the Dusty Fluid with Volume Fraction in the Incompressible Fluid	International Journal of Engineering Science Invention	2319-7064		2016
28	D. Patnaik	A Novel Three-Dimensional DCT Architecture	International Journal of Advanced Research in Computer Science and Software Engineering	2277-6451		2016
29	Runu Sahu	Effect of Electrification of Particles on Boundary Layer Flow and Heat Transfer of A Steady Dusty Fluid Over An Inclined Stretching Sheet With Non - Uniform Heat Source/Sink	International Journal of Innovation in Science and Mathematics	2347 – 9051		2016
30	R. K. Mishra	Prediction of Ultrasonic Velocity in Binary Mixtures of a Nuclear Extractant and Monocarboxylic Acids using Several	International Journal of Engineering Trends and Technology (IJETT)/ 41/ 5/ 304-	2231-5381		2016

		Theoretical Models	308			
31	B. Dalai	<sup>1</sup> H NMR and acoustic response of binary mixtures of an organophosphorous extractant with 1-alkanols (C <sub>1</sub> –C <sub>4</sub> , C <sub>8</sub> )	Journal of Molecular Liquids (Elsevier), 208 / 151–159	0167-7322	<a href="https://doi.org/10.1016/j.molliq.2015.04.026">https://doi.org/10.1016/j.molliq.2015.04.026</a>	
32	Bishnu Paramguru Mahapatra	Error Analysis Plays an Important Role in Improving Writing Skills of Engineering Students: A Case Study	The International Research Specialist	2350-1499		2015
33	B . K. Rath	Solution of Longitudinal Velocity of the Fluid and the Particle of the Dusty Fluid with the effect of Volume fraction in the Incompressible Fluid of SPM	Advances and Applications in Fluid Mechanics	0973-4686		2015
34	D. Patnaik	Unified Systolic Architecture for High – Throughput VLSI Implementation of Prime – Factor Discrete Fourier, Discrete Hartley, and Discrete Cosine Transforms	International Journal of Advanced Research in Computer Science and Software Engineering	2277-6451		2015
35	T. K. Patnaik	Development of Silicon Carbide reinforced jute epoxy composites: A Physical, Mechanical, Thermo-Mechanical characterization.	International Journal of Research in Engineering and Technology	2278-0181		2015