

Year 2025

Paper Publication

Sl. No.	Name of author	Department	Title of paper	Name of journal	Date / Year	IBBN/ISSN Number and doi (if available)
1	S. Dey, C. Das, <u>D. Bhattacharyya</u> , B.Ray	Physics	A study of phase sensitivity of transparency and absorption in a four-level N-type atomic system with microwave field.	European Journal of Physics: D (EPJD)	2025	https://doi.org/10.1140/epjd/s10053-025-01097-5
2	P. Seth, N. S. Mallick, <u>D. Bhattacharyya</u> , and S. De	Physics	Non-adiabatic resonant transient response in electromagnetically induced transparency of hot rubidium atoms with a buffer gas background	AVS Quantum Science. <i>American Institute of Physics</i>	2025	https://doi.org/10.1116/5.0266329
3	P. Seth, <u>D. Bhattacharyya</u> , N. S. Mallick and S. De	Physics	“Correlated vortex generation in a coherent medium”.	Optics Letters <i>Optica</i>	2025	https://doi.org/10.1364/OL.562996
4	Dibyendu Biswas	Physics	A discussion on the solution of the Diophantine equation $3^x + 15^y = z^2$	Journal of Scientific Research	2025	2070-0245 (Online)
5	Subhayu Choudhury , Sakti Pada Shit, Esa Bose, Sudipta Pal.	Physics	Microscopic adsorption of CO ₂ in metal organic frameworks (MOF 5, ZIF-8 and UiO-66) by grand canonical Monte Carlo simulation: A comparative analysis	Adsorption, Springer Nature	2025	E-ISSN N0: 1572 - 8757 https://doi.org/10.1007/s10450-025-00664-x
6	Subhayu	Physics	A short review of some recent	International	2025	2454-9916

	Choudhury		applications of photonic crystals	Education and Research Journal(IERJ)		https://doi.org/10.5281/zenodo.15584541
7	Sapna Tamang	Botany	Phytochemistry and Pharmacological Insights on Berberis napaulensis (DC.) Spreng.: An Updated Review (Review Article)	Pharmacognosy Reviews (Wolters Kluwer – Medknow)	2025	ISSN: 0973-7847/0974-8474
8	Chiranjit Ray	Philosophy	Exploring the theory of the Soul in Jaina Philosophy	Mukt Shabd Journal	2025	ISSN:2347-3150
9	Sumona Ghosh	English	Bodies in the Wilderness: Eco-poetics, Materiality and the politics of Body in William Blake's Songs of Experience and Margaret Atwood's Surfacing	NEW LITERARIA- an International journal of Interdisciplinary Studies in humanities (DOI: https://dx.doi.org/10.48189/nl.2025.v06i2.002)	2025	ISSN:2572-7375
10	Mrs. Sumana Ghosh	English	The Web of Life Climate Change, Biodiversity, and the Interconnectedness of Ecosystems in Wordsworth's The Prelude and Silko's Ceremony	ABS Books Delhi-110086 (DOI: http://doi.org/10.63665/abs.a1.c13)	2025	ISBN : 978-93-49078-22-2
11	S.Kar. A.Roy, Indrani Dutta	Mathematics	On Semigroup cover of ternary semigroup	Asian European Journal of Mathematics	2025	https://doi.org/10.1142/S1793557125501141
12	Dr. Palash Das	Physics	Specific heat of a classical monoatomic imperfect gas trapped in the Sutherland	International Education and	2025	Vol 11' Issue 4, page 20-24

			potential	Research Journal		E-ISSN: 2454-9916 Peer reviewed
13	Dr. Palash Das	Physics	Critical shear viscosity exponent: Experiment and Theory	International Education and Research Journal	2025	International Education and Research Journal Vol.11, Issue-3, page 09- 15 E-ISSN: 2454-9916 Peer reviewed
14	Dr. Palash Das	Physics	Kawasaki function in approximation: A pedagogical communication in the context of critical phenomena	International Education and Research Journal	2025	International Education and Research Journal Vol.11, Issue-3, page 04- 08 E-ISSN: 2454-9916 Peer reviewed
15	Dr. Palash Das	Physics	Green's function in critical phenomena: Detailed study of a static case and a dynamic case with restricted geometry	International Education and Research Journal	2025	International Education and Research Journal Vol.11, Issue-3, page 116- 122 E-ISSN: 2454-9916 Peer reviewed
16	Dr. Palash Das	Physics	Temperature dependence of the amplitude ratio, associated with the zero frequency critical bulk viscosity	International Education and Research Journal	2025	International Education and Research Journal Vol.11, Issue-3, page 25-28 E-ISSN: 2454-9916 Peer reviewed
17	Dr. Palash Das	Physics	Anharmonic contribution to the specific heat at constant volume of a one dimensional system of quantum harmonic	International Education and Research Journal		International Education and Research Journal Vol.11, Issue-3, page 22-24

			oscillators in the first degree of anharmonicity			E-ISSN: 2454-9916 Peer reviewed
18	Dr. Palash Das	Physics	Equilibrium charge distribution in the space between a conducting wire and a co-axial metal cylinder in classical approximation : A pedagogical communication	International Education and Research Journal		International Education and Research Journal Vol.11, Issue-3, page 127-129 E-ISSN: 2454-9916 Peer reviewed