

StaffDetails

Title	Dr	FirstName	Arati	LastName	Dikhit	Photograph
Designation	Jr. Lecturer					
Department	Physics					
PhoneNumber(Office)	7008021803					
Email	rtdikhit@gmail.com					
EducationalQualifications						
Subject	Institution		Year		Details	
Ph.D	Berhampur University		2025			
M. Phil	Berhampur University		2007			
M. Sc	Utkal University		2005			
ProfessionalExperiences						
Organisation/Institution		Designation		Duration		Role
Govt, Science College, Chatrapur, Ganjam, Odisha		Jr, Lecturer		01.09,2023 till date		Jr, Lecturer
Khallikote Higher Secondary School, Berhampur, Ganjam, Odisha		Jr, Lecturer		05.01.2015 to 30.07.2023		Jr, Lecturer

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Teaching Experience (Subjects/Courses Taught)
More than 15 years of teaching physics to students of +2, +3 and P.G.
Honors & Awards
Publications
1. Dikhit, A., Beriha, S., & Tripathy, S. K. (2023). Improving the efficiency and stability in a MAPbI₃ perovskite solar cell using dimensionally engineered PbS quantum dot passivation layer. <i>Results in Optics</i>, 12, 100461. 2. Beriha, S., Dikhit, A., & Tripathy, S. K. (2023). Improving the efficiency of a FTO/PCBM/Cs₂AgBiBr₆/NiOx/Au lead-free double perovskite solar cell using numerical simulation through optimizing the absorption layer thickness and work function of electrodes. <i>Results in Optics</i>, 12, 100467. 3. Dikhit, A., Beriha, S., & Tripathy, S. K. (2025). ETL and HTL Engineering in MAPbI₃ based stable and efficient perovskite solar cell with a PbS QD layer using SETFOS 5.3. <i>Emergent Materials</i>, 8(5), 3471-3487. 4. Dikhit, A., & Tripathy, S. K. (2024). Enhancing the solar cell efficiency with Azetidinium based Perovskites: An investigation for device optimization using DFT and SETFOS. <i>Solar Energy</i>, 284, 113089.
Public Service/University Service/College Service/Consulting Activity/College Committee members
Professional Societies Memberships
Projects (Major Grants/Collaborations)
Other Details if any

