

BIO DATA

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Educational Qualification:-

	Secondary Examination	Higher Secondary Examination	B.Sc.	M.Sc.	B.Ed.	Ph.D.
Board/ University	WBBSE	WBCHSE	V.U	V.U	V.U	YBN University
Year	2002	2004	2007	2009	2011	2024

Designation: – SACT-1 (State Aided College Teacher), Ramnagar College

List of Publication

International Journals:

1. R. Kandulna*, U. Das, Rimpi, B. Kachhap, N. Prasad, Hybrid Polymeric Nanocomposites Based High Performance OLEDs: A Review, ShodhSankalp Journal (ISSN 2582-9033), 1(3) (2021) 16-34.
2. R. Kandulna*, Rimpi, U. Das, R.B. Choudhary, B. Kachhap, A. Kumar, Enriched properties of PPY-CuO-rGO hybrid nanocomposite for OLEDs as electron transport layer material, Chem. Phy. Lett. Optik - International Journal for Light and Electron Optics 292 (2023) 171393
3. Rimpi, U. Das, B. Kachhap, R. Kandulna*, Augmented behaviours of OLEDs as ETL based on PPV and PEDOT: PSS hybrid organic-inorganic nanocomposites: A review, Polym. Series B. Eur. Chem. Bull. 2023,12(10), 11191-11206

4. Rimpi, U. Das, R.Kandulna*, B. Kachhap, Properties evaluation of PPY-CuO incorporated GO as electron transporting layer material for OLED application, Polym. Series A. Polym. Sci. Ser. B 65, 700–705 (2023)
5. U. Das, Rohit Kandulna*, Rimpi, B. Kachhap, and Janardan Choudhary, Structural, optical and electrical properties evaluation of PPY-CuO nanocomposite for OLEDs as electron transport layer material. Eur. Chem. Bull. 2023,12(8), 2169-2183
6. U. Das, Rohit Kandulna*, Rimpi, B. Kachhap, and Janardan Choudhary, Synthesis and Robust Properties Evaluation of PPY-CuO Nanocomposite for Organic Light Emitting Diodes as Electron Transport Layer Material, ISSN 2070-2051, Protection of Metals and Physical Chemistry of Surfaces, 2024.

Conference Proceedings:

1. Enriched performance of OLEDs based on hybrid organic-inorganic nanocomposites: A review (ISBN No. 978-93-5593-132-0), U.Das, R. Kandulna, Rimpi, B. Kachhap,
2. Enriched Properties of ETL Material for OLED Application, Based on PEDOTS:PSS Hybrid Nanocomposites: A review (ISBN:978-93-5636-291-8), Dr.Rohit Kandulna, Rimpi, U.Das, B. Kachhap, N.Singh.
3. Properties evaluation for PPY-Copper oxide(CuO) with GO for Organic light emitting diode (OLED) application, U. Das, Dr. R Kandulna, Rimpi,

Poster Presentation:

1. “Recent Advances in High-Performance Oleds: Integration of TiO₂ Functional Layers”, at the One-Day National Seminar on Scientific Innovation and Skill Development for Societal Advancement, organised by the ISDRC, Department of Physics, Jadavpur University, Kolkata – 700032, India, held on 18 March 2026.

Book Publishing:

1. SUBARNASMRETI , (ISBN: 978-93-94983-10-6)

Edited by Dr. Ananta Mohan Mishra

Dr. Naranarayan Dash

Dr. Barnali Maity

Published by- sudarsan Khatua, Dighalpatra,

Sripativila, Kanchuri, Raipur, Paschimbar, Contai. Purbamedinipur-721401, West Bengal, India

“Evaluation of Enhanced performance of OLEDs based on hybrid organic-inorganic nanocomposites: A review” U.Das, R. Kandulna, Rimpi, B. Kachhap, N.Singh.