

Faculty Profile

Name: Dr. Mahananda Baro

Designation: Assistant Professor

Department/Centre: Physics

Address for correspondence:

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Educational Qualifications:

Ph. D from Gauhati University (2017), Assam, India

M.Sc. in Physics, Delhi University (2010), New Delhi, India

B.Sc. in Physics, Gauhati University (2008), Assam, India

Areas of Interest: Nanoparticles synthesis and application, Carbon nanomaterials, Carbon Nanotubes, Optoelectronic devices.

Work Experience:

Name of the Organization Designation	Name of the Organization Designation	Period		Nature of Post
		From	To	
Department of Physics, Assam University, Silchar, Assam India	Assistant professor (stage I)	2nd February, 2015	Till date	Permanent

Awards and Honours:

GATE qualified (2011)

SLET qualified (2012)

Publications in Peer Reviewed Journals:

1. M. Baro and A. R. Pal, One-step grown multiwall Carbon nanotubes with Ni filling and decoration, Journal of Physics D: Applied Physics, 2015, 48, 225303, 1-6, ISSN: 1361-6463.
 2. M. Baro, A. R. Pal, Pulsed plasma assisted growth of vertically aligned carbon nanotubes at low temperature on Mo substrate, Plasma Chemistry and Plasma Processing, 2015, 35, 247-257, ISSN: 1572- 8986.
 3. M. Baro, A. A. Hussain, A. R. Pal, Enhanced light sensing performance of a hybrid device developed using as grown vertically aligned multi-walled carbon nanotubes on TCO substrates, RSC Advances, 2014, 4, 46970-46975, ISSN: 2046- 2069.
 4. M. Baro, D. Gogoi et al., Pulsed PECVD for low temperature growth of vertically aligned carbon nanotubes, Chemical Vapor Deposition, 2014, 20, 1-9, ISSN: 1521- 3862.
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