

☺ PERSONAL PARTICULARS



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☺ EDUCATIONAL QUALIFICATIONS

Name of Examinations	Board/Institution/University	Year of passing	Subjects specialization
Ph.D (Pursuing)	C.B.P.B.U	2018 - Present	Physics (nanoparticle synthesis and applications)
M.Sc	C.B.P.B.U	2015-2017	Physics
B.Sc	N.B.U	2012-2015	Physics
H.S	W.B.C.H.S.C	2012	Pure science
M.P	W.B.B.S.E	2010	-----

☺ Publications in Journals (Documents describing the status of the Publications are attached and more research papers are in processing):

1. **Nikita Ghosh**; Dipankar Chakdar; Abubakkar Siddik; Gautam Gope; Prabir Kumar Haldar, 'Luminescence Behaviour of Colloidal ZnO Quantum Dots Coated with SiO₂ Irradiated by Ni⁺⁷ Ion' *Advanced Science, Engineering and Medicine*, Volume 12, Number 2, February 2020, pp. 278-283(6), **DOI**: <https://doi.org/10.1166/ asem.2020.249>
2. **Nikita Ghosh**, Subhadeep Sen, Goutam Biswas, L. Robindro Singh, Dipankar Chakdar and Prabir Kumar Haldar, "A comparative study of CuO nanoparticle and CuO/PVA-PVP nanocomposite on the basis of dye removal performance and antibacterial activity in wastewater treatment", *international journal of environmental analytical chemistry*, <https://doi.org/10.1080/03067319.2022.2060088>.
3. **Nikita Ghosh**, Susmita Das, Goutam Biswas, Prabir kumar Haldar; "Review on some metal oxide nanoparticles as effective adsorbent in wastewater treatment", *Water Science & Technology* Vol 85 No 12, 3370 doi: 10.2166/wst.2022.153

☺ Publication in Conferences (Certificates of Presentation):

1. **Nikita Ghosh**, D.chakdar, P. K. Haldar, , "Luminescence properties of quantum dots synthesized by low cost chemical method ," *Coochbehar Panchanan Barma University, In collaboration with Institute of cultural studies & academic exchange, USA, Cognitive science, Language, Reality.2020.*

2. **Nikita Ghosh**, D.chakdar, P. K. Haldar “Green Luminescence properties of Cadmium Sulphide(Cds)quantum dots encaped by PVP matrix” 4th Regional Science & Technology Congress-2019”, West Bengal (Northern Region), Organised by Alipur College in collaboration with Department of Science and Technology and Biotechnology. Govt.of West Bengal.

☺ Information viewed related to research workshop:

Theme: Recent Trends, Techniques, and Applications; Advanced School on Nanoscience and Nanotechnology (7-13 July 2019);
Centre for Research in Nanoscience and Nanotechnology (CRNN), University of Calcutta.