

☺ PERSONAL PARTICULARS



Name : **Dr. Nikita Ghosh**

Present Address : SACT

Department of Physics

Tufanganj Mahavidyalaya

Tufanganj, Coochbehar

Email: nikitaghosh1994@gmail.com

☺ EDUCATIONAL QUALIFICATIONS

Name of Examinations	Board/Institution/University	Year of passing	Subjects specialization
Ph.D	C.B.P.B.U	2018 - 2023	Synthesis and characterization of metal oxide nanoparticles / nanocomposites – Their various 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.E	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), <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

4. **Nikita Ghosh**, Subhadeep Sen, Goutam Biswas, Atul Saxena and Prabir Kumar Haldar “**Adsorption and desorption study of reusable magnetic iron oxide nanoparticles modified with *Justicia adhatoda* leaf extract for the removal of textile dye and antibiotic**”, *Water Air Soil Pollut* 234, 202 (2023). <https://doi.org/10.1007/s11270-023-06217-8>.

5. **Nikita Ghosh**, Abubakkar Siddik, Pranab Kumar Sarkar, Prabir Kr. Haldar, “**Resistive Switching Properties in Copper Oxide–Graphene Oxide Nanocomposite-Based Devices for Flexible Electronic Applications** ”. *J. Electron. Mater.* (2023). <https://doi.org/10.1007/s11664-023-10767-2>.

☉ **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.

3. **Nikita Ghosh**, Goutam Biswas,Subhadeep Sen, Prabir Kr. Haldar ,Dipankar Chakdar (2021), “**Adsorption of malachite green (MG) dye from wastewater by copper oxide (CuO) nanoparticle embedded with mixed polymer(PVA/PVP) and its antibacterial activities** ”,Recent Advanced in Condensed Matter and Materials Science,(Organised by Department of physics and chemistry, Cooch Behar Panchanan Barma University).

4. **Nikita Ghosh**, P. K. Haldar “**An eco-friendly and reusable magnetic iron oxide nanoparticles modified by *Justicia adhatoda* leaf extract for the removal of and tetracycline hydrochloride (TCH) antibiotic: Adsorption and desorption study** ” 5th Regional Science & Technology Congress-2023”, West Bengal (Northern Region), Organised by CBPBU 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.