MALAY NAYAK

PhD research scholar, IIT(BHU) Varanasi

CONTACT INFO

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EDUCATION

Ph.D. Research scholar in IIT (BHU) Varanasi, School of Biomedical Engineering. (2022-ongoing).
CSIR NET LS qualified (June 2021)
GATE XL qualified (2021)

M.Sc. in biophysics and Molecular Biology (2019-2021) 74.40% marks.
B.Sc. in Human Physiology (Honours) 62.25% in honours subject. **(Calcutta University)**

12th from WBCHSE with 88.2% marks in science (2015)
10th from WBBSE with 86% marks.

EXPERIENCE

December 2022- ongoing
Ph.D. projects on various Therapies for wound healing. (IIT BHU)
Projects: Nanocrystal-based Wound healing
Hydrogel-based wound healing.
Cell therapy based diabetic wound healing

January 2022-September 2022
Project trainee at ACBR, Delhi University.
Project: Purification and Characterization of ORF8 protein of SARS-CoV 2

June 2020-November 2020
Summer intern at the Department of Chemical Engineering, IIT Bombay.
Project: Identification of Neutral Site in *Synechococcus elongatus* PCC 11801

Techniques
Protein Purification | Hydrogel preparation | Animal handling | Antibacterial experiments | Spectroscopy (UV-Vis, IR, CD) | PCR | Chromatography | Tissue culture | Cell culture | Dales | Isolation of nerves | Nerve muscle preparation | microscopy | Transfection | Molecular Docking | imageJ | Origin | MS office

PUBLICATION

1. Yenurkar, D., M. Nayak, and S. Mukherjee, Recent advances of nanocrystals in cancer theranostics. Nanoscale Advances, 2023.