



EFFECT OF GAMMA IRRADIATION ON THE STRUCTURAL, MORPHOLOGICAL, AND MEMRISTIVE PROPERTIES OF CVD GROWN WS_2 AND ReS_2

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Current status/stage of your JDP:
NYCU: Defence Completed (October 2023)
IIT Delhi: Thesis Submitted

- CVD Growth of 2D Materials: WS_2 and ReS_2
- Application of 2D Materials as Photodetectors
- Resistive Switching Behavior of 2D Materials
- Effect of Gamma Irradiation over Structure, Morphology and Memristive Properties of 2D materials
- Significant Achievements
- P. Aggarwal, H. Sheoran, P. Bisht, O. K. Prasad, C. H. Chung, E. Y. Chang, B. R. Mehta and R. Singh, *Nanoscale*, 2023, 15, 14109–14121.
- P. Aggarwal, P. Bisht, A. Ghosh, A. K. Gourishetty, E. Y. Chang, B. R. Mehta and R. Singh, *ACS Appl. Nano Mater.*, 2023, 6, 7404–7413.
- P. Aggarwal, S. Kaushik, P. Bisht, M. Sharma, A. Singh, B. R. Mehta and R. Singh, *Cryst. Growth Des.*, 2022, 22, 3206–3217.

