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## **Study of Gamma Irradiation Effect on the Structure and Cation Distribution of Co-Zn Spinal Ferrite**

**Dr. Asif Karim<sup>1</sup> and Dr. Sayed Mujeeb<sup>2</sup>** <sup>1,2</sup>Department of Physics Sir Sayyed College, Aurangabad, MS, India

**Abstract:** Among the several spinel ferrites, cobalt ferrite is a promising material for the production of permanent magnet for recording media, magnetic fuse and catalyst. Because of this, polycrystalline ferrites have been extensively studied. In the present work, we report our results on the structural properties of Co-Zn spinal ferrite prepared by ceramic technique before and after radiation gamma rays.

Keywords: ferrite, gamma radiation, intensity ratio, x -ray diffraction

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