

## Nanotechnology in Forensic Science

**Shivani R Pandya**

Department of Forensic Science, Parul Institute of Applied sciences, Parul University, Vadodara, Gujarat, India

### Abstract

Nanotechnology is the manipulation at atomic scale to form a smart material by enhancing its properties for developing desired applications. Recently, nanotechnology is extending its applications from engineering to biomedical technology and applied sciences. However, it is not limited to said fields and showing promising results in forensic sciences due to its high sensitivity, reactivity and cost effectiveness. In forensic science, it shows potentials to revolutionize the area of DNA extraction methodology, Drug detection and Identification, Fingerprint enhancement and many more. Nano forensics is the futuristic approach to both detective and preventive forensics.

### Biography

Shivani R Pandya working as Head & Assistant Professor, Department of Forensic Science, Parul Institute of Applied sciences, Parul University, Vadodara, Gujarat, India.

