

Image Processing used as a Powerful Tools in Recent Biomedical Security

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Abstract: *A vital component of healthcare systems, biomedical security guarantees the integrity and confidentiality of sensitive patient data. The goal of this research is to improve biomedical security by incorporating image processing methods. Image processing can be used to watermark, authenticate, and encrypt biomedical images, protecting their integrity and secrecy. First, by encrypting data in a form that is difficult to decode without the right decryption keys, image encryption helps prevent unwanted access. Secondly, By putting undetectable markings inside photos, watermarking helps identify and discourage any alteration attempts. Robust security measures are necessary in the ever-evolving field of biomedical research and technology to protect sensitive data. Utilizing image processing in biomedical security can provide cutting-edge solutions for authentication, privacy protection, and other issues. This paper develops into the potential application , existing methodologies current challenges and also future prospects of utilizing image processing in biomedical security.*

Keywords: M.R.I, C.T, Fingerprint Scanning, IRIS, Face Scanning etc

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