

# Digital Image Processing: Principles and Applications

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English / 480 pages

ISBN: 978-0471009498

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Digital image processing is an important part in digital analysis of remote sensing data. It allows one to enhance image features of interest while attenuating irrelevant features of a given...Â Cite this chapter as: Reddy G.P.O. (2018) Digital Image Processing: Principles and Applications. In: Reddy G., Singh S. (eds) Geospatial Technologies in Land Resources Mapping, Monitoring and Management. Geotechnologies and the Environment, vol 21. There are various applications of image processing in the field of commerce, engineering, graphic design, journalism, architecture and historical research. In this research work, Image processing is considered for the analysis of plant leaf diseases. Plant leaf diseases can be detected based on the disease symptoms.