Abstract

In image processing, Statistical, geometrical and signal processing features are used to describe the texture of an image region. The signal processing methods involve enhancing original image using filters and calculating the features of the transformed images. In this paper, Law mask, Gabor Filter and color quantization are applied to the original images to extract the texture features of soil images for retrieval. Results on a database of 200 soil images belonging to 10 different types of Soils with different orientations, scales and translations show that proposed method performs retrieval efficiency effectively.

References

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**Index Terms**

Computer Science  
Image Processing

**Keywords**

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Gabor Filter  
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