Abstract

In this paper a novel algorithm has been designed to get rid of the problem of over-enhancement found in Mix CLAHE specifically for underwater images. The underwater image is suffering from low contrast and resolution because of dispossessed visibility circumstances, hence a subject identification become typical task. The processing of underwater image captured is important because the grade of underwater images distress and these images leads some serious problems in comparison with images from the clearer environment. This paper has proposed an hybrid approach which includes integrated the MIX-CLAHE with the L*A*B based fuzzy enhancement. The experimental results indicates that the proposed technique outperforms on the available methods.

References

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Index Terms

Computer Science
Fuzzy Systems
Keywords
Mix CLAHE  L*A*B  Fuzzy logic  Underwater images.