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• **Study of the effect of heat curing on the surface texture of (UP/micro-MgO) and (UP/nano-MgO) composites: Image analysis**

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ABSTRACT

Texture image analysis is an important field for use in many applications, such as surface analysis of materials. The proposed approach is the concentrated processing of texture images by enhancing the image so that small obstacles appear and detect on the surface. It is difficult for the human eye to see the small details on the surface of the material. This approach makes individual features and surface details visible. Many algorithms and mathematical models are used to compare the many picture surfaces. The results obtained showed that there is a good correlation in the nano-MgO composite compared with Micro-MgO