

Bekkari, Aissam & Idbraim, Soufiane & Elhassouny, Azeddine & Mammass, D. & El yassa, Mostafa & Ducrot, Danielle. (2012). SVM and Haralick Features for Classification of High Resolution Satellite Images from Urban Areas. 7340. 17-26. 10.1007/978-3-642-31254-0_3. The classification of remotely sensed images knows a large progress taking in consideration the availability of images with different resolutions as well as the abundance of classification's algorithms. A number of works have shown promising results by the fusion of spatial and spectral information using Support vector machines (SVM). For this purpose we propose a methodology allowing to combine these two informations using a combination of multi-spectral features and Haralick texture features as data source with composite kernel. The proposed approach was tested on common scenes of urban imagery. The results allow a significant improvement of the classification performances when compared with the two sets of attributes used separately. The experimental results indicate an accuracy value of 93.29% which is very promising.