Deep Learning-based Land Use and Land Cover Mapping using Multi-spectral Satellite Imagery	عنوان البحث باللغة الإنجليزية
Rehab Mahmoud, Mohamed Hassanin, Haytham Al Feel, Rasha M.Badry	أسماء المؤلفين
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ملخص البـــــحث باللغة الإنجليزية :

Satellite images provide continuous access to observations of earth, environmental monitoring has become easier for some applications such as land use and land cover. In this paper, a prediction model for LULC is presented, it conducted on dataset of satellite images with high resolutions. Dataset is comprised of eight classes along with 105 labels and geo-referenced images. Empirical experiments are conducted on it to provide benchmarks using deep learning models. 97.1% classification accuracy achieved. After investigation for the related research work, this study is considered the first one monitoring land changes in Egypt. How the proposed method can be used to provide a reliable source for improving geographical services such as detecting land changes is demonstrated.