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Deep Learning Approach for IOT-Based Multiclass Weed Classification Using YOLOv5

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Abstract

The quality information about soil, local climate, and the crop in an IOT environment is captured by the sensors. Furthermore, it is possible to obtain statistics that goes beyond human observation. They enhance and speed up data collection; perform commands automatically or remotely; and perform remote tasks and actions in real time. Agriculture lives in a digital age, of big data and of