GEOINFORMATICS

An Emerging Approach for Sustainable Crop Production and Food Security

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CHAPTER 6

Big Data, AI, and Geoinformatics for Sustainable Agriculture: An Introduction

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ABSTRACT

Agriculture contributes significantly to economic growth. Agriculture digitization is a major source of concern and a contentious motif around the world. The world's population is rapidly booming, and with it comes higher demand for food and income. The conventional farming practices were insufficient to satisfy these goals. As a result, new automated approaches were proposed. These new methods met food demands while simultaneously providing career opportunities for people around the world. This chapter is to provide a short explanation of the current incarnation of automation in agriculture.

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