


# Chapter 5


## Smart Agriculture Using Advancing Tea Leaf Quality Assessment With Deep Learning

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### ABSTRACT

*The primary objective of this chapter is to conduct a comprehensive study tailored to classify, detect, and accurately evaluate the quality of tea leaves based on their age. The research aims to serve as a foundational resource, enabling the effective deployment of advanced machine learning algorithms for automating the quality assessment process. By replacing or supplementing manual inspection, these algorithms can provide more precise, reliable, and scalable solutions for quality evaluation. Such an approach is particularly significant for large-scale tea production,*

DOI: 10.4018/979-8-3373-0020-7.ch005