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Artificial Intelligence in Beverages

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Description	The beverage industry encompasses a diverse and significant segment within the food sector, characterized by various subcategories and types of drinks, each with distinct complexities in their production and quality evaluation. Conventional methods for assessing beverage quality are often laborious, time-consuming, and costly, hindering the ability to obtain real-time results. Consequently, there is a pressing need to explore and implement emerging technologies to automate and streamline these analyses within the industry. This chapter aims to review the latest publications and trends concerning the use of low-cost, reliable, and accurate remote or non-contact techniques involving robotics, machine learning, computer vision, biometrics, and artificial intelligence, as well as to identify existing research gaps in the beverage industry. The findings indicate significant potential for the development and application of ...
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