



A feast for the senses: Exploring the multidimensional experience of food

Michael Emmanuel*

Food and Nutrition Sciences Laboratory, International Institute of Tropical Agriculture (IITA), Oyo Road, Moniya, Ibadan, Nigeria

E-mail: m.emmanuel@cgiar.org

Abstract

The sensory properties of food, including taste, smell, texture, and appearance, play a critical role in how we perceive and enjoy the foods we eat. Our senses allow us to detect and respond to different stimuli in the environment, including food. In this article, we will explore the different sensory properties of food and their impact on our perception and enjoyment of food.

Keywords: Sensory properties, Flavour, Texture, Monochromatic.

INTRODUCTION

Taste is one of the most well-known sensory properties of food. It is the sensation we experience when we eat foods that are sweet, salty, sour, bitter, or umami. These basic tastes are detected by the taste buds on our tongue, which send signals to the brain, allowing us to distinguish different flavors. Taste is influenced by many factors, such as genetics, age, and culture. For example, some people may have a greater sensitivity to bitter tastes, while others may prefer spicy or sweet flavors (Dong et al., 2019).

Smell is another important sensory property of food. Our sense of smell is closely linked to our sense of taste, as the olfactory receptors in our nose can detect over 10,000 different scents, which can influence our perception of flavor. The aroma of food can also trigger memories and emotions, which can affect our overall enjoyment of food. For example, the smell of fresh-baked bread may evoke feelings of warmth and comfort, while the aroma of a particular spice may remind us of a specific cultural dish (Madadlou et al., 2014).

Texture is an often-overlooked sensory property of food, but it plays a critical role in how we perceive food. Texture refers to the physical properties of food, such as its softness, chewiness, or crispness. Texture can influence our overall perception of food, as well as our appetite and satiety. For

example, a food that is crunchy and crisp may be more satisfying to eat than a food that is soft and mushy.

Appearance is another important sensory property of food. The way food looks can influence our expectations and overall enjoyment of food. For example, a colorful dish with vibrant greens, reds, and yellows may be more visually appealing than a dish that is monochromatic. Additionally, the appearance of food can also influence our perception of its quality and freshness (Pera-Titus et al., 2013).

While each of these sensory properties plays a unique role in how we perceive food, it is the combination of these properties that creates the multidimensional experience of food. The taste, smell, texture, and appearance of food work together to create a holistic experience that can be highly pleasurable or displeasurable, depending on the individual. For example, a food that is visually appealing and has a pleasant aroma may be more enjoyable to eat than a food that is visually unappealing and has a strong, unpleasant smell (Piradashvili et al., 2016).

The sensory properties of food are also influenced by cultural and personal preferences. Different cultures may have different preferences for flavors, textures, and aromas, which can be reflected in their traditional cuisines. Personal preferences can also be shaped by individual experiences,

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such as positive or negative associations with certain foods. For example, a person who had a negative experience with a particular food in their childhood may have a strong aversion to that food as an adult (Xin & Skrydstrup 2019).

CONCLUSION

The sensory properties of food play a critical role in how we perceive and enjoy the foods we eat. Taste, smell, texture, and appearance work together to create a multidimensional experience that can be highly pleasurable or displeasurable. These sensory properties are influenced by genetics, culture, personal preferences, and other factors. Understanding the sensory properties of food can help us make informed choices about what we eat and how we experience food.

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