

# Survey on Inverse Cooking: Recipe Creation from Food Images

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**Abstract:** *There haven't been many developments in the categorisation of specific ingredients for cooking. The issue is the dearth of accessible publicly edited records. In this study, the issue of automatically identifying a photographic meal for cooking and then outputting the proper recipe is addressed. There are significant overlaps between food items (also known as high intra-class similarity), which makes the chosen problem more challenging than previous supervised classification challenges because dishes from various categories may only superficially resemble one another in terms of visual data. Convolutional Neural Networks (short CNN) are used for object recognition or cookery court recognition, and the combination of these techniques and the search for nearest neighbours (Next-Neighbour Classification).*

**Keywords:** Inverse cooking, Image processing, Food recognition, Deep learning, Text generation

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