Probiotic Bacteria in Functional Meat Products

🌬 🚾 ta Kołożyn-Krajewska and Zbigniew J. Dolatowski

NTENTS

MI.	Introduction	223
2	Fermented Meat Products	224
13	Technological Possibilities of Probiotic Bacteria Utilization in Dry	
	Fermented Meat Products	225
	12.3.1 Strains of Probiotic Bacteria Used in the Production of Dry	
	Fermented Meat Products	225
	12.3.2 Technological Parameters of Fermentation, Ripening, and Storing of	
	Dry Fermented Meat Products	
2.1	Quality of Probiotic Meat Products	228
	12.4.1 Microbiological Quality of Probiotic Meat Products	
	12.4.2 Lipid and Protein Oxidation and Color Stability of Probiotic Products	229
	12.4.3 Sensory Properties of Probiotic Fermented Meat Products	231
	12.4.4 Safety of Probiotic Meat Products	232
	12.4.5 Biogenic Amines in Probiotic Meat Products	232
	12.4.6 Nutritional Quality of Probiotic Meat Products and Beneficial Effects of	
	Using Probiotics in Functional Meat Products	233
5	Developing Novel Functional Meat Products with Probiotics	
den:	rences	

11 Introduction

Metchnikoff emergence of a multitude of health-promoting fermented milks and other probiotic mented foods has largely advocated the case, due to the health-promoting effects of certain beneficial morganisms that are abundantly present in the food.

he health-beneficial effect of consuming food with probiotic bacteria is a factor contributing to the memory of research on the new segment of functional food that is meat processing.

a fermentation process, that is, a guided decomposition process involving the meat's own enzymes a fermentation of native or added carbohydrates by natural lactic acid bacteria (LAB). Several substances into being during fermentation (lactic acid, acetic acid, aldehydes, alcohols, ketones, bacteriocins). Cuality, safety, and storage stability of a raw meat product depend on these components. Nowadays, pute a common practice in manufacturing raw ripened meat products to apply starter cultures (Incze Khan et al. 2011, Kołożyn-Krajewska and Dolatowski 2009).

and fruit juices; however, their use in dry fermented meat products is not common yet. Probiotic and present in the food matrix depends on factors such as pH, storage temperature, oxygen levels, and present of competing microorganisms and inhibitors (Coman et al. 2012).