Title	Development and validation of prediction model for O_2 and CO_2 concentration of fresh
	tropical vegetables under modified atmosphere packaging (MAP)
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Abstract

A mathematical model was developed to predict O_2 and CO_2 gaseous concentrations for fresh vegetables under modified atmosphere packaging (MAP). Mathematical models were developed by the assumption that the sides of the packing basin were permeable and the bottom was impermeable. Model verification was done by using the experimental data of red chili, carrot, and tomato. The models were generally significant enough to predict the gaseous conditions inside of the packaging for fresh vegetables under MAP.