

CONTENTS

	<u>Page</u>
INTRODUCTION	1
REVIEW OF LITERATURE	4
1- Chemical composition of raw materials.....	4
2- Single cell protein (SCP)	6
3- Leaf protein concentrate (LPC).....	20
4- Pectin	29
MATERIALS AND METHODS	43
Materials.....	43
Methods	44
RESULTS AND DISCUSSION.....	58
I - Chemical composition of raw materials.....	58
II- Single cell protein (SCP) production by fungal cultivation	62
A- SCP production from water-melon juice..	62
1- Effect of sugar concentration on SCP production.....	64
2- Effect of inoculum volume on SCP production.....	69
3- Optimal urea concentration	73
4- Effect of nitrogen source on SCP production	75

and Trichoderma viride) on water-melon juice and hydrolyzed peas peel cake.

III- Preparation of protein concentrate from green peas peal juice.

IV - Extraction of pectin from water-melon peels.