

LIST OF FIGURES

Chapter No.	Figure No.	Title	Page No.
I	1.	Structure of salicylic acid	06
	2.	Molecular structure of salicylic acid and its related compounds	10
	3.	a) Shikimate and Phenylpropanoid pathways	13
		b) Salicylic acid biosynthesis	14
	4.	Commercial production of salicylic acid	14
	5.	Action of salicylic acid in disease resistance	17
6.	Action of salicylic acid in thermogenesis	22	
III	7.	Effect of salicylic acid on content of Chl. a in Cv. W-44	58
	8.	Effect of salicylic acid on content of Chl. a in Cv. SB-11	
	9.	Effect of salicylic acid on content of Chl. b in Cv. W-44	59
	10.	Effect of salicylic acid on content of Chl. b in Cv. SB-11	
	11.	Effect of salicylic acid on total chlorophyll content in Cv. W-44	60
	12.	Effect of salicylic acid on total chlorophyll content in Cv. SB-11	
	13.	Effect of salicylic acid on carotenoid content in Cv. W-44	63
	14.	Effect of salicylic acid on carotenoid content in Cv. SB-11	
	15.	Minielectron transport chain / multiple redox enzyme	65
	16.	Influence of exogenous application of salicylic acid on activity of nitrate reductase in Cv. W-44	66
	17.	Influence of exogenous application of salicylic acid on activity of nitrate reductase in Cv. SB-11	
	18.	Influence of exogenous application of salicylic acid on enzyme glutamate dehydrogenase in Cv. W-44	69

Chapter No.	Figure No.	Title	Page No.
III	19.	Influence of exogenous application of salicylic acid on enzyme glutamate dehydrogenase in Cv. SB-11	69
	20.	Influence of exogenous application of salicylic acid on the activity of enzyme peroxidase in Cv. W-44	74
	21.	Influence of exogenous application of salicylic acid on the activity of enzyme peroxidase in Cv. SB11	
	22.	Influence of exogenous application of salicylic acid on the activity of enzyme catalase in Cv. W-44	77
	23.	Influence of exogenous application of salicylic acid on the activity of enzyme catalase in Cv. SB-11	
	24.	Effect of salicylic acid on the contents of P and K in leaves of groundnut Cv. W-44	84
	25.	Effect of salicylic acid on the contents of P and K in leaves of groundnut Cv. SB-11	
	26.	Effect of salicylic acid on the contents of Ca and Mg in leaves of groundnut Cv. W-44	87
	27.	Effect of salicylic acid on the contents of Ca and Mg in leaves of groundnut Cv. SB-11	
	28.	Effect of salicylic acid on the contents of Fe and Mn in leaves of groundnut Cv. W-44	98
	29.	Effect of salicylic acid on the contents of Fe and Mn in leaves of groundnut Cv. SB-11	
	30.	Effect of salicylic acid on the contents of Zn and Mo in leaves of groundnut Cv. W-44	95
	31.	Effect of salicylic acid on the contents of Zn and Mo in leaves of groundnut Cv. SB-11	
	32.	The Influence of salicylic acid on starch content in Cv. W-44	98
33.	The influence of salicylic acid on starch content in Cv. SB-11		