Fig. No.	Title of Figure	Page No.
Fig. 1	Structure of Salicylic acid.	4
Fig. 2	Biosynthesis of Salicylic acid in higher plants.	6
Fig. 3	Effect of Salicylic acid on Shoot length of Wheat seedlings.	39
Fig. 4	Effect of Salicylic acid on Shoot length of Moong seedlings.	39
Fig. 5	Effect of Salicylic acid on root length of Wheat seedlings.	40
Fig. 6	Effect of Salicylic acid on root length of Moong seedlings.	45
Fig. 7	Effect of Salicylic acid on fresh wt. of Wheat seedlings.	41
Fig. 8	Effect of Salicylic acid on fresh wt. of Moong seedlings.	41
Fig. 9	Effect of Salicylic acid on water uptake during Wheat seed germination.	44
Fig. 10	Effect of Salicylic acid on water uptake during Moong seed germination.	44
Fig. 11	Effect of Salicylic acid on respiration rate during Wheat seed germination.	47
Fig. 12	Effect of Salicylic acid on respiration rate during Moong seed germination.	47
Fig. 13	Effect of Salicylic acid on activity of enzyme dehydrogenase during Wheat seed germination.	50
Fig. 14	Effect of Salicylic acid on activity of enzyme dehydrogenase during Moong seed germination.	50
Fig. 15	Effect of Salicylic acid on activity of enzyme α -amylase during Wheat seed germination.	53
Fig. 16	Effect of Salicylic acid on activity of enzyme α -amylase during Moong seed germination.	53
Fig. 17	Effect of Salicylic acid on activity of enzyme Apase during Wheat seed germination.	56
Fig. 18	Effect of Salicylic acid on activity of enzyme Apase during Moong seed germination.	56
Fig. 19	Effect of Salicylic acid on activity of enzyme alkaline phosphatase during Wheat seed germination.	57
Fig.20	Effect of Salicylic acid on activity of enzyme alkaline phosphatase during Moong seed germination.	57
Fig.21	Effect of Salicylic acid on activity of enzyme nitrate reductase during Wheat seed germination.	61
Fig.22	Effect of Salicylic acid on activity of enzyme nitrate reductase during Moong seed germination.	61
Fig.23	Effect of Salicylic acid on activity of enzyme catalase during Wheat seed germination.	64
Fig.24	Effect of Salicylic acid on activity of enzyme catalase during Moong seed germination.	64
Fig.25	Effect of Salicylic acid on activity of enzyme peroxidase during Wheat seed germination.	68

LIST OF FIGURES

Fig.26	Effect of Salicylic acid on activity of enzyme peroxidase	68
D' 07	during Moong seed germination.	70
Fig.27	Effect of Salicylic acid on chl a content in Wheat seedlings.	70
Fig.28	Effect of Salicylic acid on chl a content in Moong seedlings.	70
Fig.29	Effect of Salicylic acid on chl b content in Wheat seedlings.	71
Fig.30	Effect of Salicylic acid on chl b content in Moong seedlings.	71
Fig.31	Effect of Salicylic acid on chl a+b content in Wheat seedlings.	72
Fig.32	Effect of Salicylic acid on chl a+b content in Moong seedlings.	72
Fig.33	Effect of Salicylic acid on chl a/b content in Wheat seedlings.	73
Fig.34	Effect of Salicylic acid on chl a/b content in Moong seedlings.	73
Fig.35	Effect of Salicylic acid on violaxanthin content in Wheat seedlings.	76
Fig.36	Effect of Salicylic acid on violaxanthin content in Moong seedlings.	76
Fig.37	Effect of Salicylic acid on antheraxanthin content in Wheat seedlings.	77
Fig.38	Effect of Salicylic acid on antheraxanthin content in Moong seedlings.	77
Fig.39	Effect of Salicylic acid on lutein content in Wheat seedlings.	78
Fig.40	Effect of Salicylic acid on lutein content in Moong seedlings.	78
Fig.41	Effect of Salicylic acid on zeaxanthin content in Wheat seedlings.	79
Fig.42	Effect of Salicylic acid on zeaxanthin content in Moong seedlings.	79
Fig.43	Effect of Salicylic acid on β - carotene content in Wheat seedlings.	80
Fig.44	Effect of Salicylic acid on β - carotene content in Moong seedlings.	80
Fig.45	Effect of Salicylic acid on total carotenoids content in Wheat seedlings.	81
Fig.46	Effect of Salicylic acid on total carotenoids content in Moong seedlings.	81
Fig.47	Effect of Salicylic acid on xanthophyll pool content in Wheat seedlings.	82
Fig.48	Effect of Salicylic acid on xanthophyll pool content in Moong seedlings.	82
Fig.49	Effect of Salicylic acid on Z+A/V+A+Z content in Wheat seedlings.	83
Fig. 50	Effect of Salicylic acid on Z+A/V+A+Z content in Moong seedlings.	83