

Fig. -1.	Tea growing countries in the world.	..31b
Fig. -2.	Tea growing regions in India.	..32b
Fig. -3.	Geographical position of Darjeeling district in West Bengal, India.	..38b
Fig. -4.	A typical ideograph showing grouping of clones according to their common features (Wickramaratne 1981).	..46b
Fig. -5.	Flowering shoot of HV-39.	..73b
Fig. -6.	Flowering shoot of T-78.	..73b
Fig. -7.	Flowering shoot of B-157.	..73b
Fig. -8.	Flowering shoot of TV-19.	..73b
Fig. -9.	Flowering shoot of Thurboo-9.	..73b
Fig. -10.	Plan showing Nucleus Blocks of certified clones and seed stock, Ging Tea Estate.	..77b
Fig. -11.	Distribution of Nucleus Blocks of certified clones and seed stock vis-a-vis slope facets section along A-B (Abney Level Survey, Ging Clonal Proving Station).	..77b
Fig. -12.	Polygraphic representation of five selected clones of Darjeeling hills (aggregate morphological character).	..80b
Fig. -13.	Pluckable shoot of HV-39.	..95b
Fig. -14.	Pluckable shoot of T-78.	..95b

Fig. -15.	Pluckable shoot of B-157.	..95b
Fig. -16.	Pluckable shoot of TV-19.	..95b
Fig. -17.	Pluckable shoot of Thurboo-9.	..95b
Fig. -18.	The Leaf shape, size and leaf pose of five selected clones of Darjeeling hills.	..101b
Fig. -19.	Stomata of HV-39.	..112b
Fig. -20.	Stomata of T-78.	..112b
Fig. -21.	Stomata of B-157.	..112b
Fig. -22.	Stomata of TV-19.	..112b
Fig. -23.	Stomata of Thurboo-9.	..112b
Fig. -24.	Foliar sclereids in five different clones of tea.	..110b
Fig. -25.	Petiolar sclereids in the leaves of five selected clones of Darjeeling hills ($\times 210$).	..110b ₁
Fig. -26.	Morphology of trichomes (epidermal hairs) of five selected clonal leaves of Darjeeling hills ($\times 710$).	..109b ₁
Fig. -27.	Vein-islet of five selected clonal tea leaves of Darjeeling hills ($\times 40$).	..109b
Fig. -28.	Vein termination of five selected clonal tea leaves of Darjeeling hills (Diagrammatic representation).	..109b
Fig. -29.	Absorption spectrum of Caffeine in reaction mixture.	..156b
Fig. -30.	Standard curve of Caffeine in reaction mixture.	..156b ₁
Fig. -31.	Cultivation of HV-39.	..163b

Fig. -32.	Cultivation of T-78.	..163b
Fig. -33.	Cultivation of B-157.	..163b
Fig. -34.	Cultivation of TV-19.	..163b
Fig. -35.	Cultivation of Thurboo-9.	..163b
Fig. -36.	Soluble sugar content in different clonal tea leaves at different maturity.	..188b
Fig. -37.	Protein content in different clonal tea leaves at different maturity.	..190b
Fig. -38.	Amino acid content in different clonal tea leaves at different maturity.	..190b ₁
Fig. -39.	Phenol content in different clonal tea leaves at different maturity.	..195b
Fig. -40.	Quantitative estimation of Polyphenol oxidase activity in different clonal tea leaves at different maturity.	..199b ₁
Fig. -41.	Quantitative estimation of Peroxidase activity in different clonal tea leaves at different maturity.	..199b
Fig. -42.	Quantitative estimation of Catalase activity in different clonal tea leaves at different maturity.	..198b