## LIST OF TABLES

2.1 to 2.6	Lattice parameter data for all compositions
3.1	Data on magnetic moment, $4\pi M_s$ , Hc, $M_r/M_s = R$ at room temperature
3.2	Data on initial permeability (µi) with Co2+ content at room temperature
	for $\mathrm{Ni_{0.6-x}Co_{x}Zn_{0.4}F}$ <b>\rightarrow_{2}</b> 0 <sub>4</sub>
3.3	Data on curie temperature by different methods.