

C O N T E N T S

			<u>Page</u>
Chapter	1	Introduction	.. 1
Chapter	2	Experimental Technique	.. 34
Chapter	3	Relaxation mechanisms in halothiophenols in the liquid state	.. 46
Chapter	4	Dielectric studies of ortho- and para bromanisoles and β -bromophenetole in the liquid state	.. 58
Chapter	5	Microwave absorption and relaxation processes in thioanisole in the liquid state	.. 69
Chapter	6	Internal rotation of multibonded groups attached to phenyl ring and their possible geometrical structures	.. 75
Chapter	7	Microwave absorption and dielectric relaxation in some substituted propanes with a phenyl ring attached to one end	.. 88
Chapter	8	Dielectric relaxation in substituted propanes in the liquid state	.. 100
Chapter	9	Internal rotation in α, ω -dicyano- alkanes in benzene solution	.. 111
Chapter	10	Microwave absorption and relaxation processes in some halogenated esters in the liquid state	.. 123
Chapter	11	Summary of the results and conclusion	.. 138
APPENDIX :		i) List of publications	After page 146
		ii) Reprints of published papers	