

INDEX

CHAPTER	TITLE	PAGE NO.
1	Introduction and Aim and scope of the work	1-28
2	Experimental	29- 40
	2.1) Purification of compounds	29
	2.2) Preparation of crystalline mixed Luminophors	29-32
	2.3) Recording of fluorescence spectra	32-38
	2.4) X-ray diffraction studies of the luminophors and Absorption measurements of the luminophors	39-40
3	Results and Discussion	41-90
	3.1) Anthracene	42-45
	3.2) Tetracene	45-48
	3.3) Perylene	48-50
	3.4) 9-Vinylanthracene (VA)	50-52
	3.5) 9-Chloroanthracene (CA)	52-53
	3.6) Structural and Photophysical properties of doped anthracene luminophors	
	3.6.1) Perylene doped anthracene luminophors	53-64
	3.6.2) Tetracene doped anthracene luminophors	64-75
	3.6.3) 9-VA doped anthracene luminophors	75-84
	3.6.4) 9-CA doped anthracene luminophors	84-90
4	Conclusion	91-94
5	References	95-99