

**S.P.16. SEBASTIAN, P.J.—Fabrication and parametric measurements of N₂ laser pumped dye laser and its application to energy transfer studies in mixed dyes—1982—
Dr. K. Sathianandan**

This thesis reports a detailed study of the performance characterisation of a N₂ laser-pumped-dye laser in the conventional mode and also when pumped by the energy transfer mechanism. It was shown that performance characteristics of the dye laser can be controlled by system parameters. Suitable modifications were suggested for obtaining better conversion efficiency and bandwidth.