CONCLUSION

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From the observed results and discussion given for it following conclusions can be drawn.

1. In Solution, polarity induced effects takes place. Effects are in the form shift of luminescence peak and change in intensity

2. In the solution of high polarity solvent energy levels shift in such a way that energy gap between ground state and excited state decrease. Hence peak shifts towards higher wavelength

3. In the solution of high polar solvent, intensity of peak is more than that of intensity in solution of low polar solution. In solution of low polarity solvent intersystem crossing is taking place as excited singlet state and triplet are at same level. However in high polar solvent intersystem crossing is restricted as excited singlet level shift to such a extent that transition to triplet state is not favoured.

4. Increase in concentration reduces intensity. This reduction in intensity may be taking place due to some non radiative process like vibrational relaxation.