

Supplementary information

Figure 1 : absorption spectra in acetonitrile for the six complexes presented in the paper. (A) **p-PHEHAT-T**; (B) **T-PHEHAT-p**; (C) **p-TPAC-p**; (D) **T-TPAC-T**; (E) **p-TPAC**; (F) **T-TPAC**.

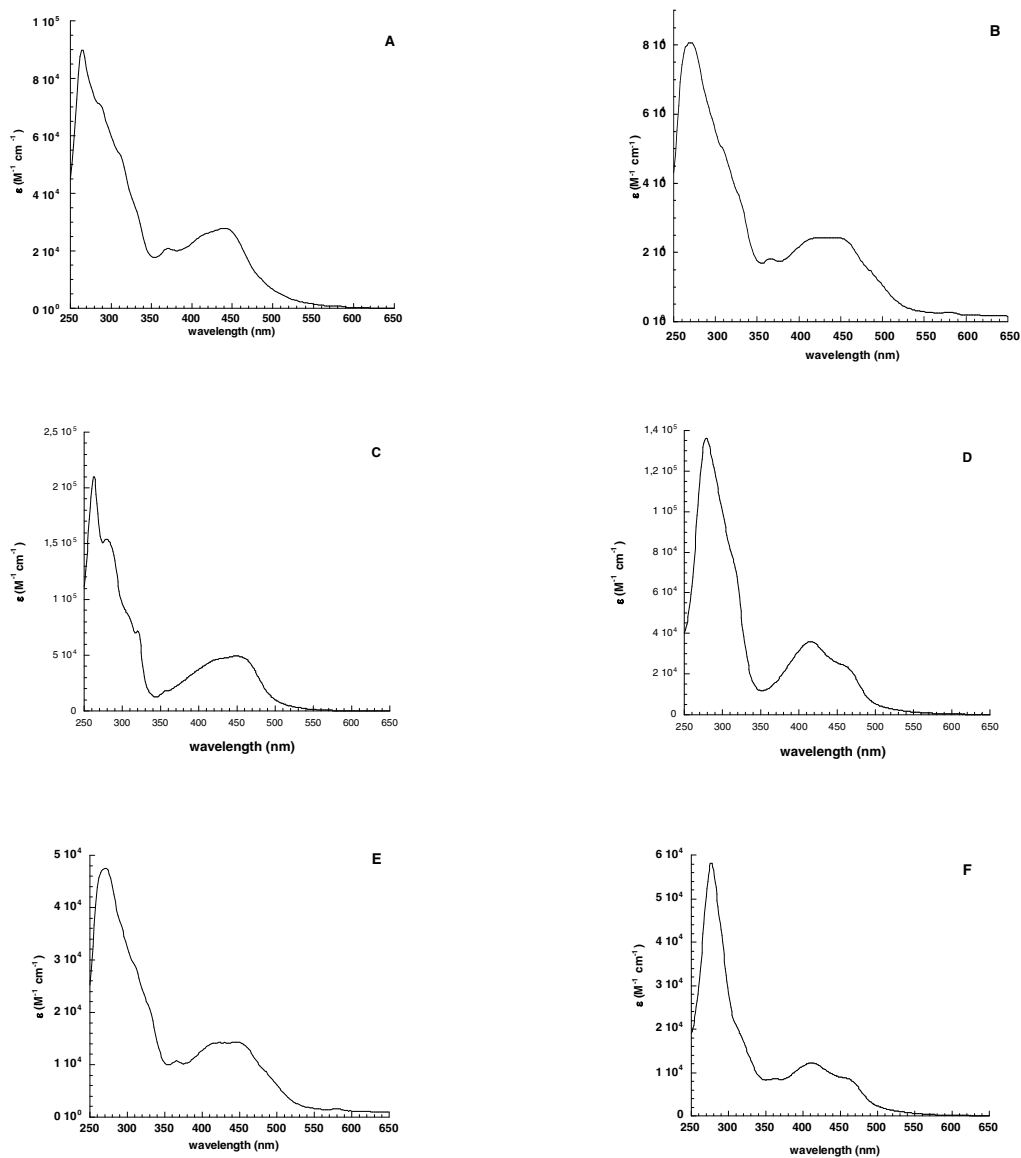


Figure 2 : normalised emission spectra in acetonitrile at room temperature for the five luminescent complexes discussed in the paper. (A) **T-PHEHAT-p**; (B) **p-TPAC-p**; (C) **T-TPAC-T**; (D) **p-TPAC**; (E) **T-TPAC**.

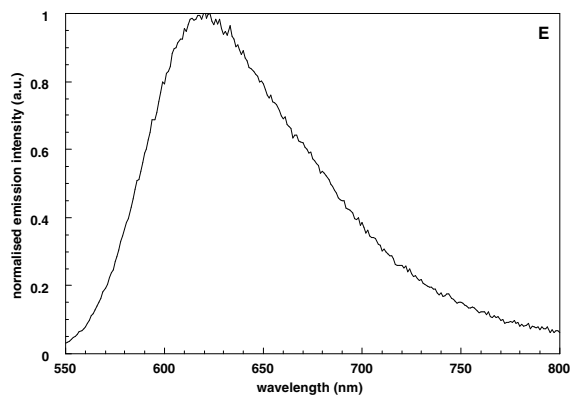
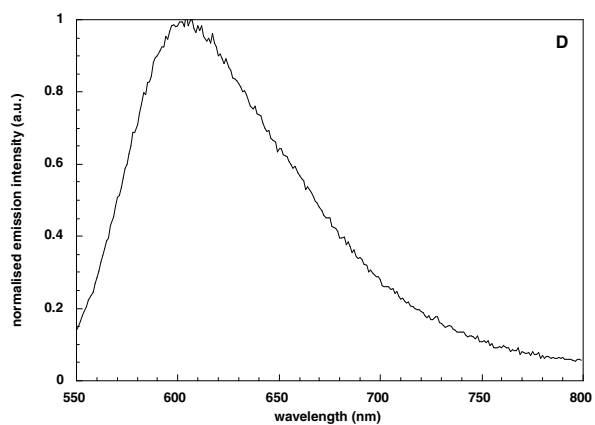
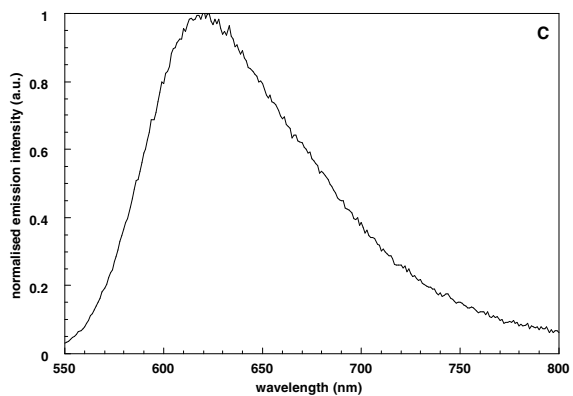
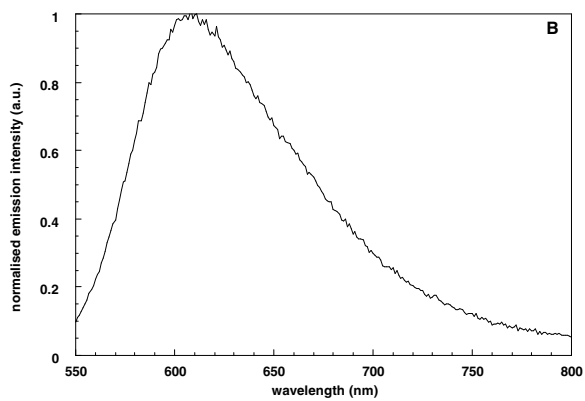
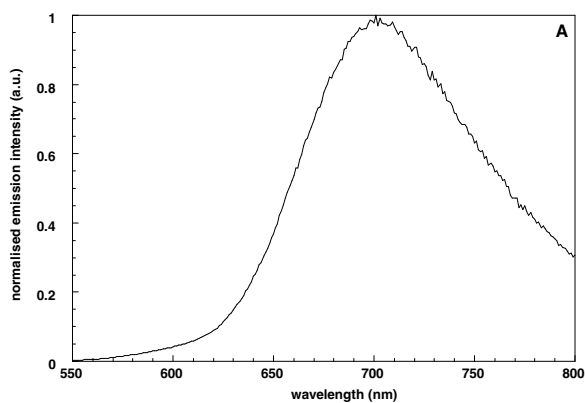


Figure 3 : emission spectra in MeOH/EtOH (4/1) at 77K for the six complexes discussed in the paper. (A) **p-PHEHAT-T**; (B) **T-PHEHAT-p**; (C) **p-TPAC-p**; (D) **T-TPAC-T**; (E) **p-TPAC**; (F) **T-TPAC**.

