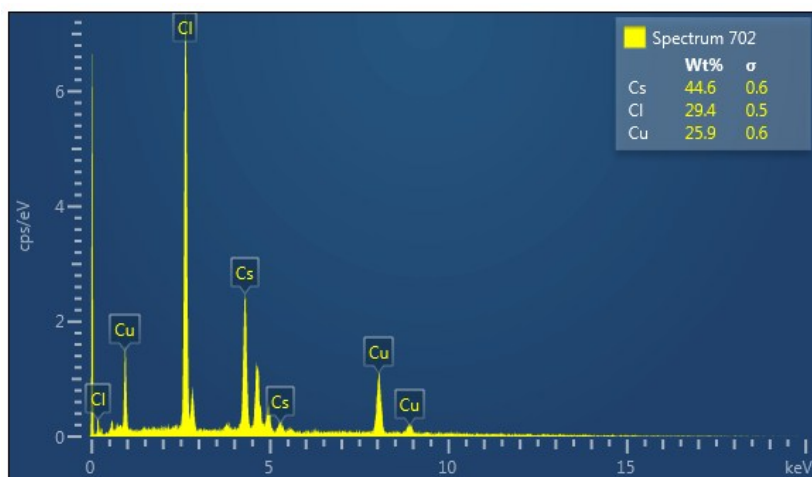
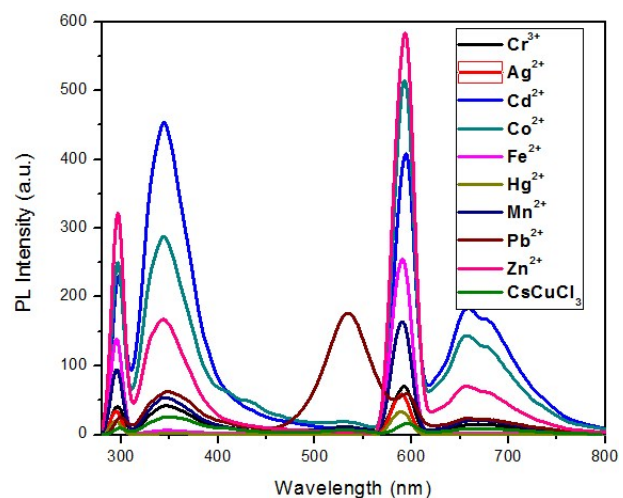


Chemodosimetric approach for selective detection of Pb^{2+} ions using a Cesium based perovskite

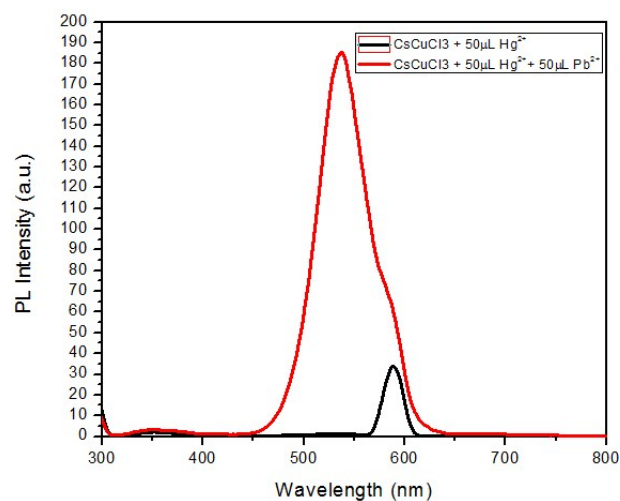
Muhammad Aamir,^{a,b} Muhammad Sher,^b Mohammad Azad Malik,^{a,c} Javeed Akhtar^d and Neerish Revaprasadu^{a*}



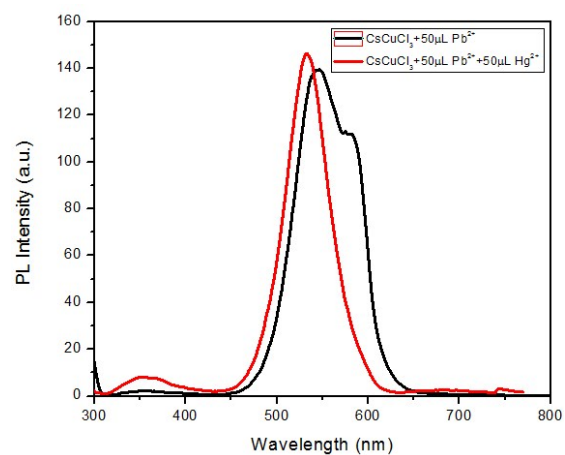
S1. EDX quantitative analysis of as-prepared CsCuCl_3 perovskite



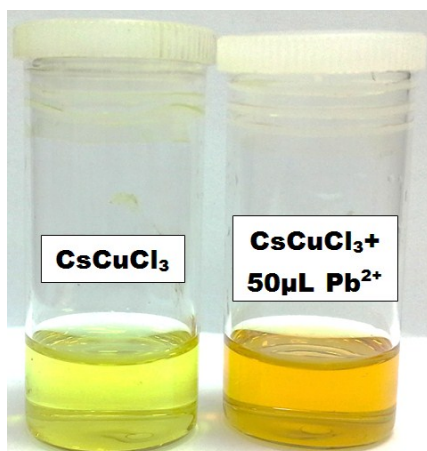
S2. PL emission spectrum of CsCuCl_3 with addition of various metal ions.



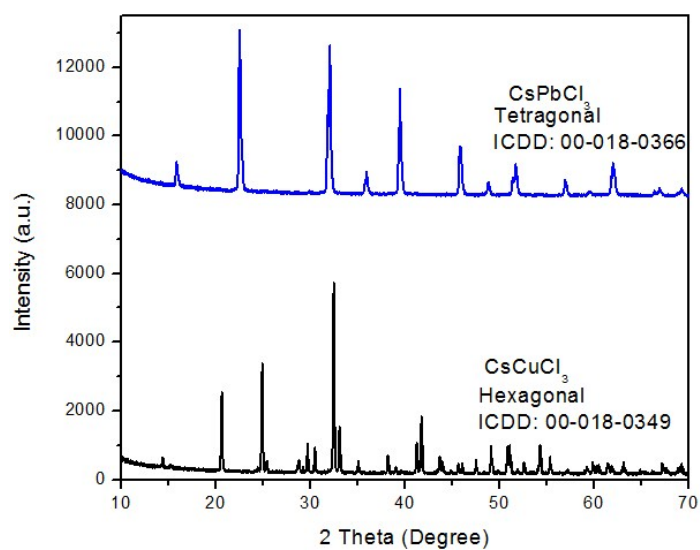
S3. PL spectrum of as-prepared compound CsCuCl₃ with addition of 50 μL solution of Hg²⁺ followed by the addition of Pb²⁺ solution of equal strength.



S4. PL spectrum of perovskite compound **CsCuCl₃** with 50 μL solution of Pb²⁺ followed by the addition of solution Hg²⁺.



S5 . Change in color of as-synthesized CsCuCl_3 with the addition of Pb^{2+} ions



S6. p-XRD spectrum of CsCuCl_3 and CsPbCl_3 produced during the sensing process.