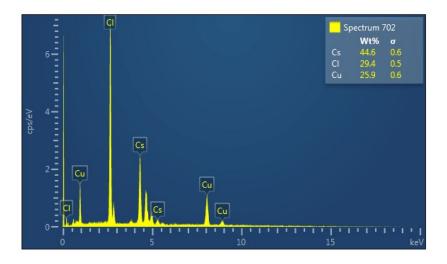
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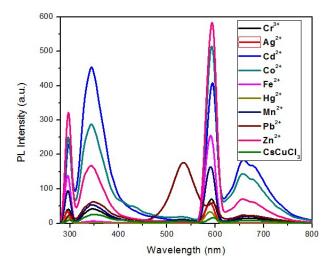
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Chemodosimetric approach for selective detection of Pb²⁺ ions using a Cesium based perovskite

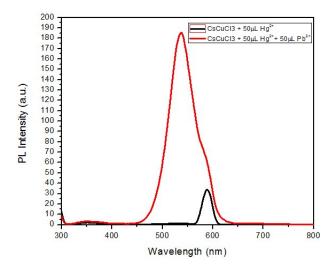
Muhammad Aamir, a,b Muhammad Sher, b Mohammad Azad Malik, a,c Javeed Akhtar d and Neerish Revaprasadu a*



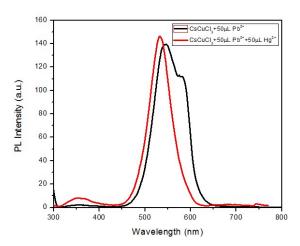
S1. EDX quantitative analysis of as-prepared CsCuCl₃ perovskite



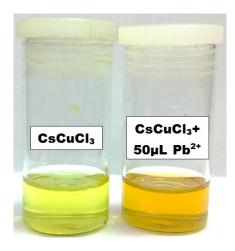
S2. PL emission spectrum of CsCuCl₃ with addition of various metal ions.



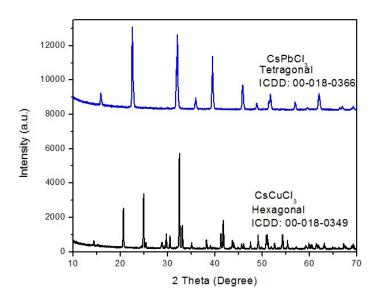
S3. PL spectrum of as-prepared compound $CsCuCl_3$ with addition of $50\mu L$ solution of Hg^{2+} followed by the addition of Pb2+ solution of equal strength.



S4. PL spectrum of perovskite compound $CsCuCl_3$ with $50\mu L$ solution of Pb^{2+} followed by the addition of solution Hg^{2+} .



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



S6. p-XRD spectrum of CsCuCl₃ and CsPbCl₃ produced during the sensing process.