

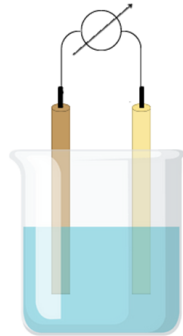
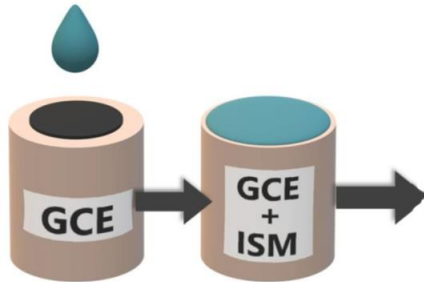
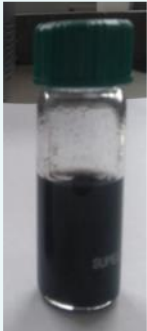
Use of hydrophobic deep eutectic solvents (HDESs) as new component of the ion selective membrane sensitive to lead ions.

Preparation of Pb(II)-ion-selective electrode

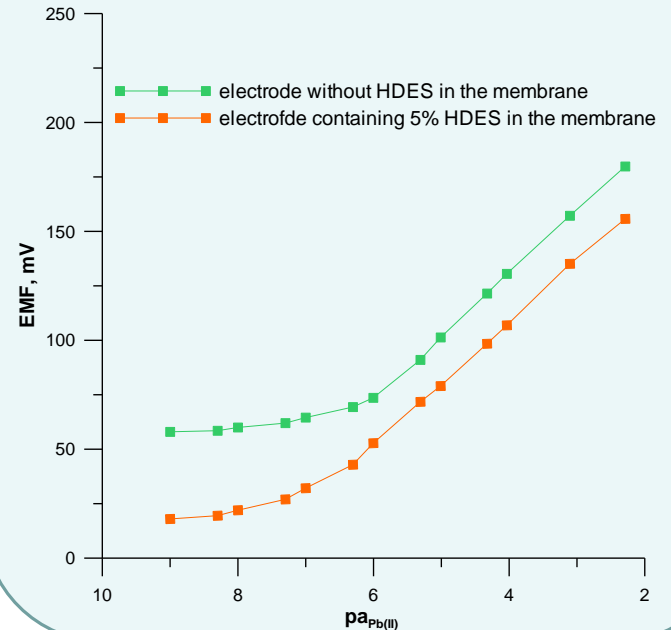
Preparation of membrane mixture containing HDES and its homogenization

Drop casting of the membrane mixture onto the surface of the inner electrode (GCE) and evaporation of the solvent

Conditioning the electrode the Pb(II) solution and measurement



Calibration Curves



OUTCOMES: enriching the membrane with the addition of appropriate HEDS improves the analytical parameters of the sensor, primarily sensitivity and detection limit.

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