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ILLUSTRATION OF SQUAR-WAVE VOLTAMMETRY AS AN EFFICIENTANALYTICAL METHOD FOR NANOMOL AMOUNT HIGH DETECTION OF HEAVY METALS FOR ENVIRONMENTAL APPLICATIONS

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Abstract : Square wave voltammetry (SWV) has been widely used in the development of electrochemical sensors and biosensors in recent years due to its high selectivity and sensitivity. It is of great interest and importance to rapidly and sensitively detect disease-related biomarkers, environmental pollutants (e.g., heavy metals and other chemical contaminants), which are severely detrimental to human and animal life and the environment as a whole.

Keywords : Square wave voltammetry, Molecularly imprinted, Molecularly imprinted polymers, Detection, environment