



## A Subtype of Voltammetry known as Polarography

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### DESCRIPTION

In the field of electro analytical chemistry, electro analysis is a peer-reviewed that disseminates significant and influential research. Analyte sensing and detection conceptual advancements that are applicable to many types of analyses can be the subject of articles, as can more applied papers that report on the application of existing concepts in a novel way or for new analyses. Electrochemical sensors and biosensors, nanoscale electrochemistry, nan bioelectronics, neuroelectrochemistry, point-of-care diagnostics and wearable sensors, hyphenated electrochemical techniques, advanced electrochemical instrumentation, novel electrochemical sensors and detection schemes combined with separation science, the preparation of metal and carbon electrode materials and their characterization, chemically modified electrodes for molecular recognition and electro catalysis, electrochemical sensors and biosensors, and electrochemical sensors and biosensors are all Fundamental science and application papers in the biomedical, natural, modern, drug, and food fields are gladly received. Electro analysis is a crucial medium for connecting researchers working in basic (analytical) science labs with those working on translational applications to make real societal impacts. It emphasizes innovation and feasibility. It aims to inform the electro analytical chemistry community about the most recent developments in measurement as well as areas where challenges and opportunities exist in measurement. More details about the journal, the types of manuscripts, and the requirements for manuscripts can be found in the Author Guidelines. New electrochemical sensors and biosensors, nan bioelectronics devices, analytical voltammetry, potentiometry, new electrochemical detection schemes based on novel nanomaterials, fuel cells and biofuel cells, and important practical applications are all covered in the international journal Electro analysis, which is peer-reviewed and covers all branches of electro analytical chemistry. Electro

analysis enables you to quickly adapt the most recent innovations into practical clinical, environmental, food analysis, industrial, and energy-related applications by serving as a vital communication link between the research labs and the field. The most authoritative source for information on electro analytical chemistry, electrochemical sensors and biosensors, and fuel/biofuel cells is electro analysis, which provides the most extensive coverage of the field. Based on the electric parameters that are measured, the electro analytical methods are categorized. Potentiometry, amperometry, conductometry, electrogravimetry, voltammetry (and polarography), and coulometry are the most common electro analytical techniques. The measured electric property or its units are reflected in the methods' names. Potentiometry measures electric potential (or voltage) by keeping the electric current between the electrodes constant-typically close to zero. Amperometry keeps the potential constant while monitoring the electric current (amperes). Conductometry uses a constant alternating-current (AC) potential between the electrodes to measure conductance, which is the capacity of a solution to carry an electric current. Similar to the previous classical gravimetric methods, electrogravimetry is a gravimetric method in which the weighed solid is deposited on one of the electrodes. Voltammetry is a method that continuously monitors the current while varying the potential. A subtype of voltammetry known as polarography makes use of an electrode made of liquid metal. Coulometry is a technique for keeping track of the amount of electricity (coulombs) used in an analyse electrochemical reaction.

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### CONFLICT OF INTEREST

The author's declared that they have no conflict of interest.

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