Ain shams university
Faculty of science
Chemistry department

"Potentiometric Sensors Based on Poly (Vinyl Chloride) Matrix Membranes and their Applications in Biochemical and Analytical Chemistry"

A Thesis

"Submitted for the degree of Master of Sciences as a partial fulfillment for requirements of the master of Science"

In

Inorganic and Analytical Chemistry

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Nada Hassan Ali Elbehery

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To

Department of Chemistry

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❖ ***Published Papers Extracted from The Master Thesis:***

1. Potentiometric detection of low-levels of sulfamethazine in milk and pharmaceutical formulations using novel plastic membrane sensors, Electrochemical science and Engineering, 2018, Accepted.
2. Novel potentiometric 2, 6-dichlorophenolindophenolate (DCPIP) membrane-based sensors: Assessment of their input in the determination of total phenolics and ascorbic acid in beverages, Sensors, 2019, Accepted.
3. Non-Equilibrium Potential Responses towards Neutral Orcinol Using All-Solid-State Potentiometric Sensors Integrated with Molecularly Imprinted Polymers, Polymers, 2019, Accepted

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