Mini Review

The Application of Nanomaterials as Electrode Modifiers for the Electrochemical Detection of Ascorbic Acid: Review

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doi: 10.20964/2020.04.13

Received: 15 November 2019 / *Accepted:* 23 December 2019 / *Published:* 10 March 2020

Ascorbic acid (AA) is one of the most important biomolecules that play an important role in the synthesis of collagen, norepinephrine and neuronal hormones in addition to its role in folic acid tyrosine and tryptophan metabolisms. Also, vitamin C participates in many biochemical processes; it functions as a cofactor for several enzymes, enhances the intestinal iron absorption and is involved in carnitine biosynthesis and cellular metabolism. Various analytical methods with high sensitivity and selectivity have been developed for ascorbic acid quantitative detection. Recently, a highly sensitive, effective and rapid ascorbic acid detection was achieved using nanomaterials-based sensors. Herein, we discussed the latest published articles for the ascorbic acid sensors based on nanomaterials and their fabrication.

Keywords: Ascorbic acid; Electrochemical sensors; Nanomaterials

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