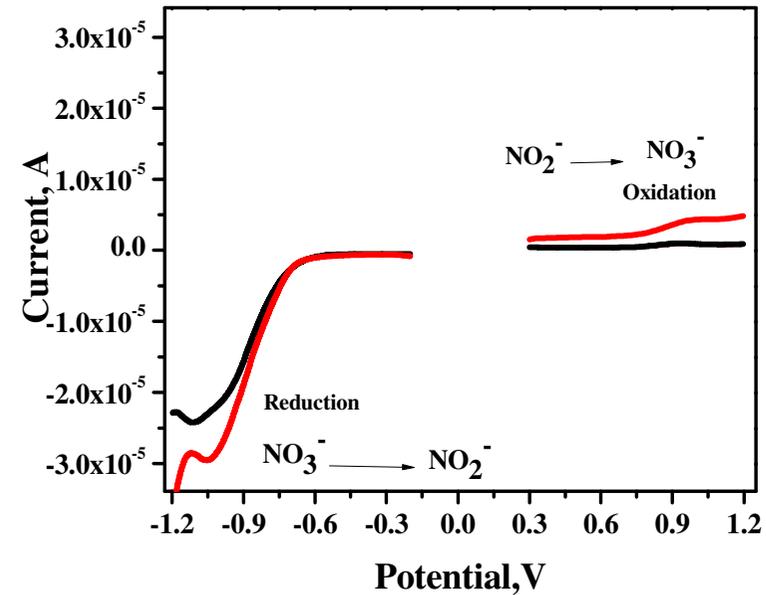
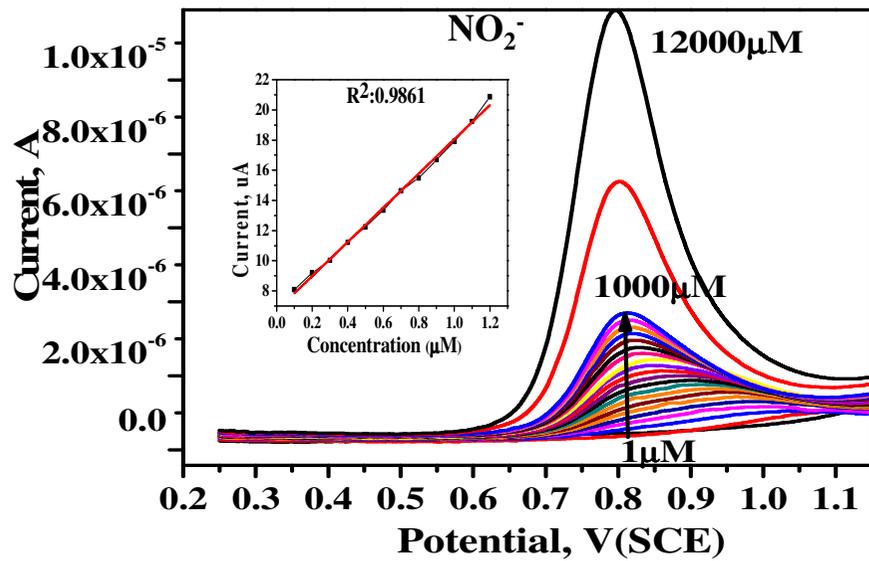


Electrochemical Sensing of Nitrite and electrochemical decomposition of Nitrate



Developed method for determination of NO_2^- using RGO/ MnFe_2O_4 /PANI Modified electrode

Material is active both oxidation of nitrite and reduction of nitrate

- Decomposition characteristics has shown fast initial decomposition of nitrate over the modified electrode
- The nitrate concentration is reduced over 80% after 1 h operation