

# ĐÁNH GIÁ KHẢ NĂNG ỨC CHẾ ẪN MÒN THÉP CT3 BẰNG DỊCH CHIẾT CÂY THUỐC LÁ TRONG MÔI TRƯỜNG HCl 1M

Trương Thị Thảo, Nguyễn Thị Thanh Hoa, Vũ Thị Thu Hà, Lê Quốc Hùng

## TÓM TẮT:

Extracts from Thai Nguyen Tobacco were prepared by extracting dried leave powder using distilled water. Corrosion inhibition efficiency of CT3 steel was tested in HCl 1M solution with and without Thai Nguyen tobacco extracts 2g/l at different immersion time. The obtained results of electrochemical measurements showed that the corrosion rate of CT3 steel in studied solution decreased 74% after 5h of immersion. EIS characterization and morphological characterization (SEM) of the surface of CT3 steel indicated the information of an inhibitor film on the sample surface. There is an excellent agreement between methods used for corrosion study in this research.