Inhibitor Effect of *Anthocleista djalensis* Extract on the Corrosion of Concrete Steel Reinforcement

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In the present study, the anticorrosion behaviour of the leaf-extract admixture of *Anthocleista djalensis* (*A. djalensis*) on steel-reinforced concrete immersed in an HCl solution (as an aggressive medium) was investigated using electrochemical methods. Monitoring-related parameters included the corrosion rate, corrosion potential, and corrosion current. The performance of this novel eco-friendly corrosion inhibitor was investigated at various temperatures (25–60 °C) at various concentrations (0.1 to 0.4 g/L).

Keywords: Corrosion of steel reinforcement; Inhibitor; Inhibition efficiency; *Anthocleista djalensis*

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