



Fig. 6. Electrochemical impedance spectra of bare nickel, Ni-MoO₃ composite, Ni-V₂O₅ composite and Ni-MoO₃ : V₂O₅ composite in 0.5 mol/L NaCl. Measurements were done under the open circuit potentials. Solid lines show data fit to the circuits given in the insertion: (circuit I) is the equivalent circuit describing the electrochemical behavior of bare nickel and Ni-V₂O₅ composite; (circuit II) is the equivalent circuit describing the electrochemical behavior of Ni-MoO₃ composite and Ni-MoO₃ : V₂O₅ composite. The series resistance R_s is the electrolyte resistance