

Non-stationary electrolysis for nickel nanocomposite plating

Larysa Kushner, Ina Kuzmar
BSUIR, Minsk, Belarus, kushner@bsuir.by

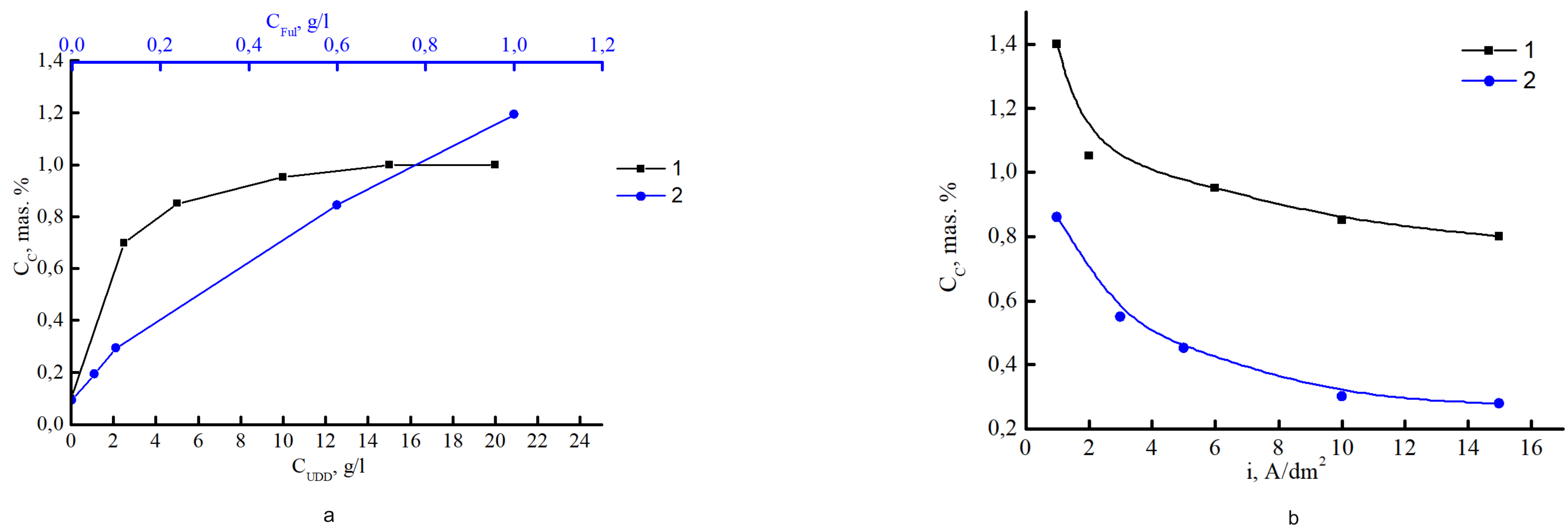


Figure 1. Dependence of the carbon content in the CEC of nickel-UDD (1) and nickel-fullerenes (2) on the concentration of the dispersed phase in the electrolyte (a) and current density (b)

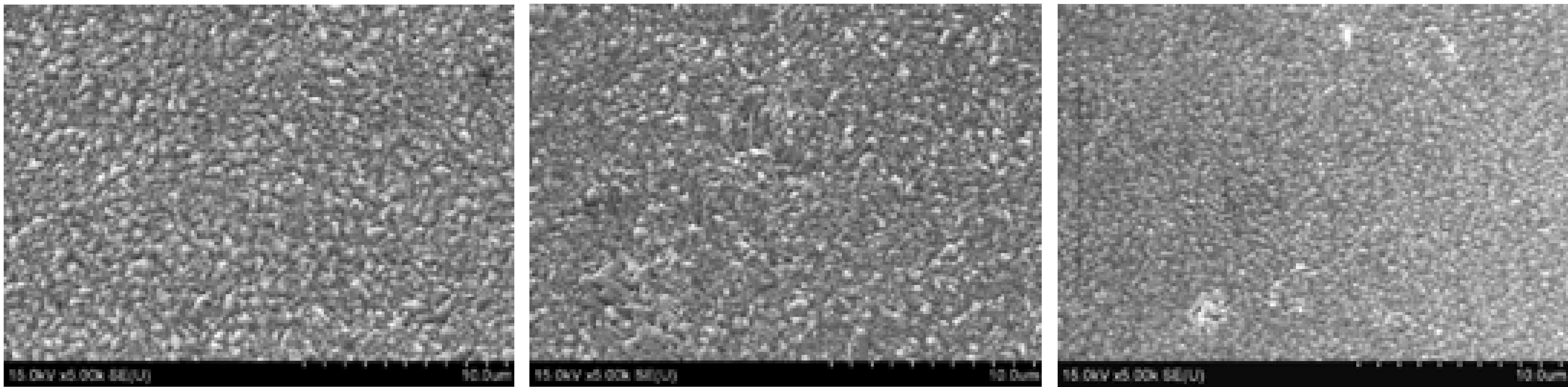


Figure 2. Influence of the current shape on the microstructure of nickel-CNT nanocomposites

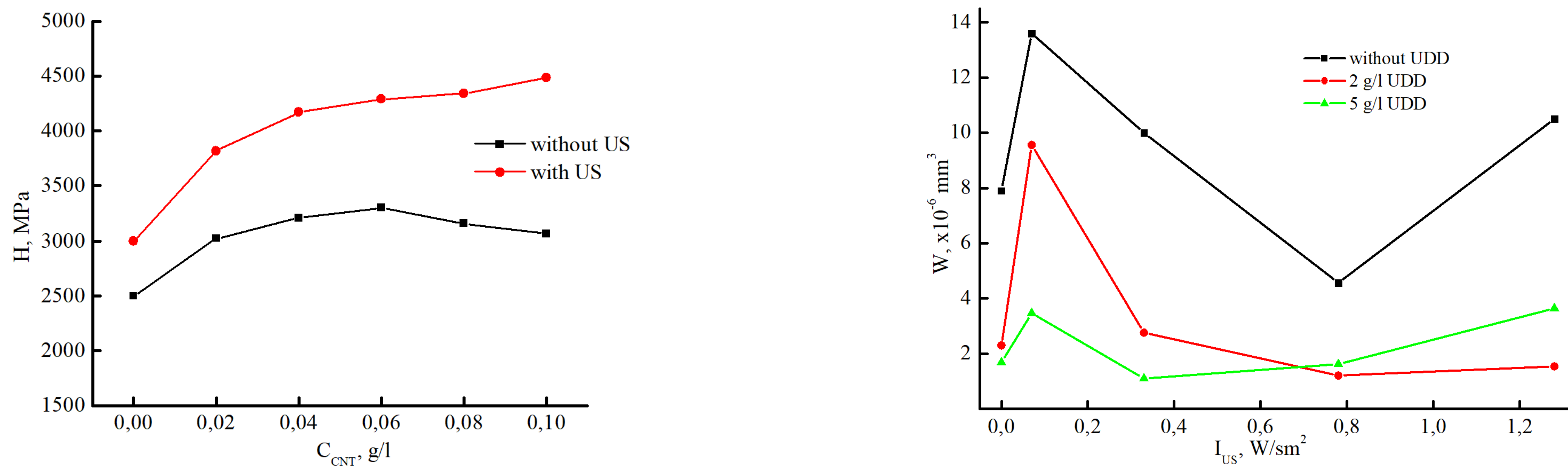


Figure 3. Influence of the dispersed phase concentration and ultrasound on the microhardness and wear resistance of the CEC

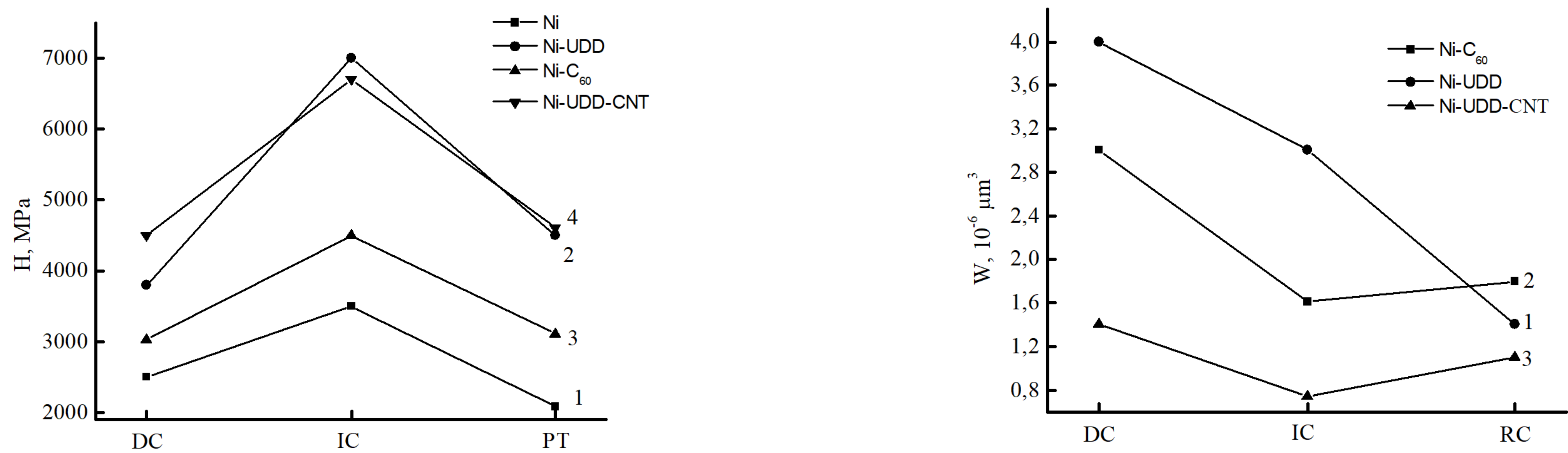


Figure 4. Influence shape current on the microhardness and wear resistance of the CEC, $i_{av}=5$ A/dm²