

Supporting Information

on

Corn cob char as catalyst support for developing carbon nanotubes from waste polypropylene plastics: Comparison of activation techniques.

Figure S1. Energy-dispersive X-ray spectroscopy (EDXS) result of all calcined catalysts: (A) NiMo/AC₀; (B) NiMo/AC_X and (C) NiMo/AC_T.

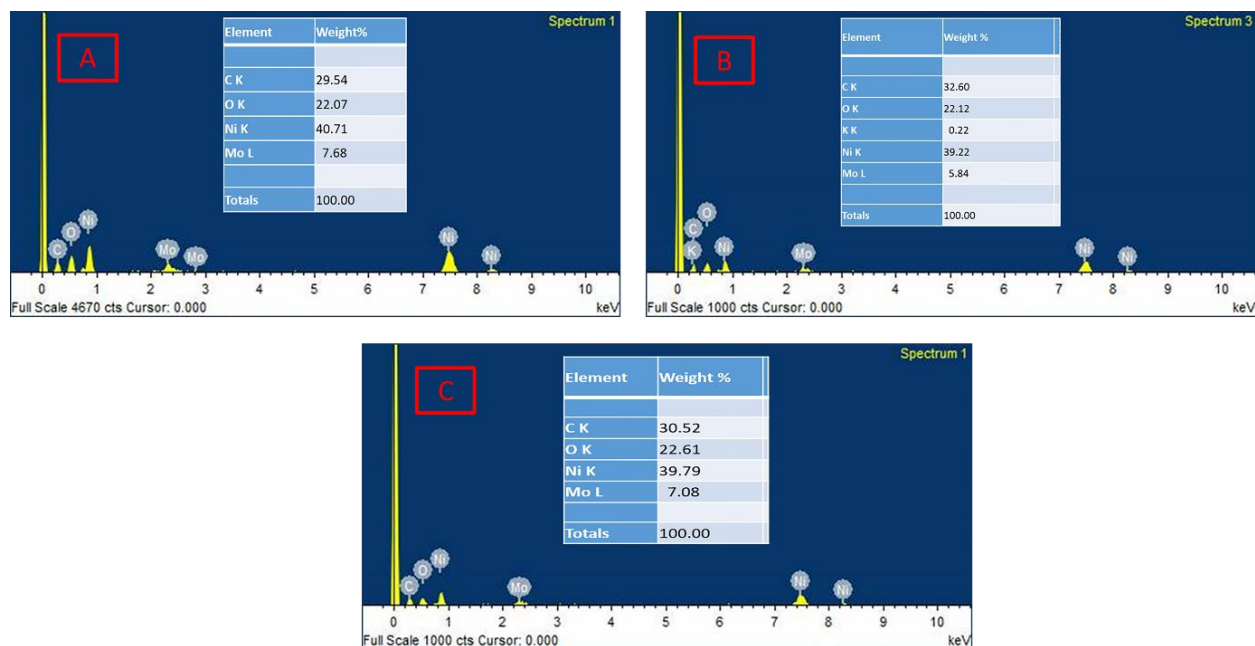


Table S1. Energy-dispersive X-ray spectroscopy (EDXS) result of all as-synthesized carbon nanotubes (CNTs) deposited on the catalysts surface.

Element	CNT ₀ (weight %)	CNT _X (weight %)	CNT _T (weight %)
C	69.69 +/- 0.31	70.77 +/- 0.25	61.22 +/- 0.38
K	-	0.10 +/- 0.04	-
Mo	6.18 +/- 0.23	3.38 +/- 0.14	4.51 +/- 0.34
Ni	23.10 +/- 0.22	24.74 +/- 0.20	31.85 +/- 0.32
O	1.03 +/- 0.12	1.11 +/- 0.18	2.42 +/- 0.08

Figure S2. Deconvoluted Raman spectra of as-produced CNMs: CNT_x (A), CNT₀ (B) and CNT_x (C)

