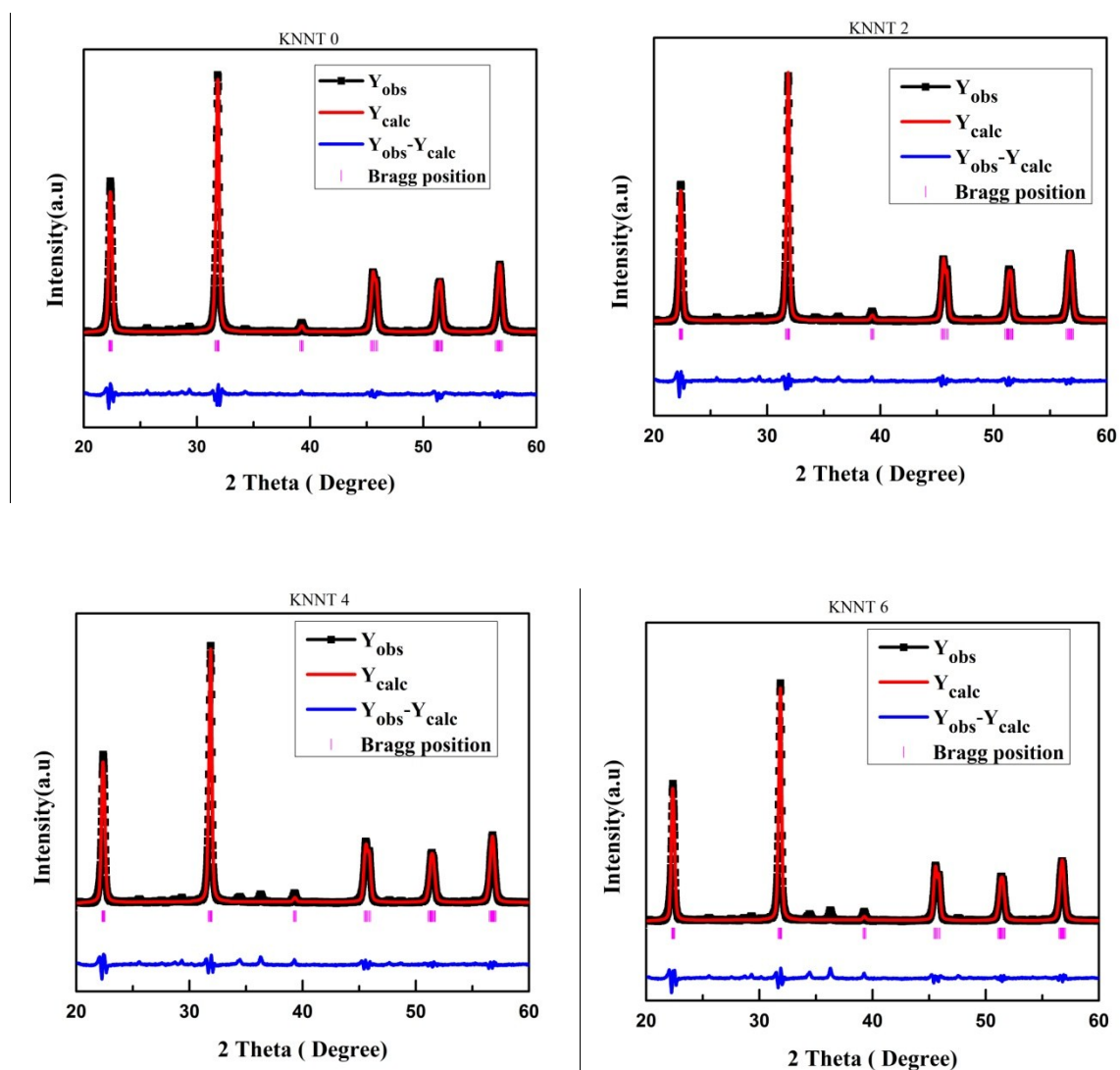[Type text]

XRD Refinement details

Figure 1: Shows the Rietveld refinement of XRD data for KNNT 0, KNNT 2, KNNT 4 and KNNT 6 samples.

Table1 : Refined parameters for all the samples

Sample Name	KNNT 0	KNNT 2	KNNT 4	KNNT 6
R_p (%)	8.53	8.57	8.83	9.18
R_{wp} (%)	9.95	10.8	10.8	11.5
R_{exp} (%)	4.59	4.53	4.47	4.30
R_{bragg} (%)	0.330	0.379	0.345	0.544
R_f (%)	0.286	0.314	0.325	0.410
χ^2	4.69	5.72	5.85	7.14

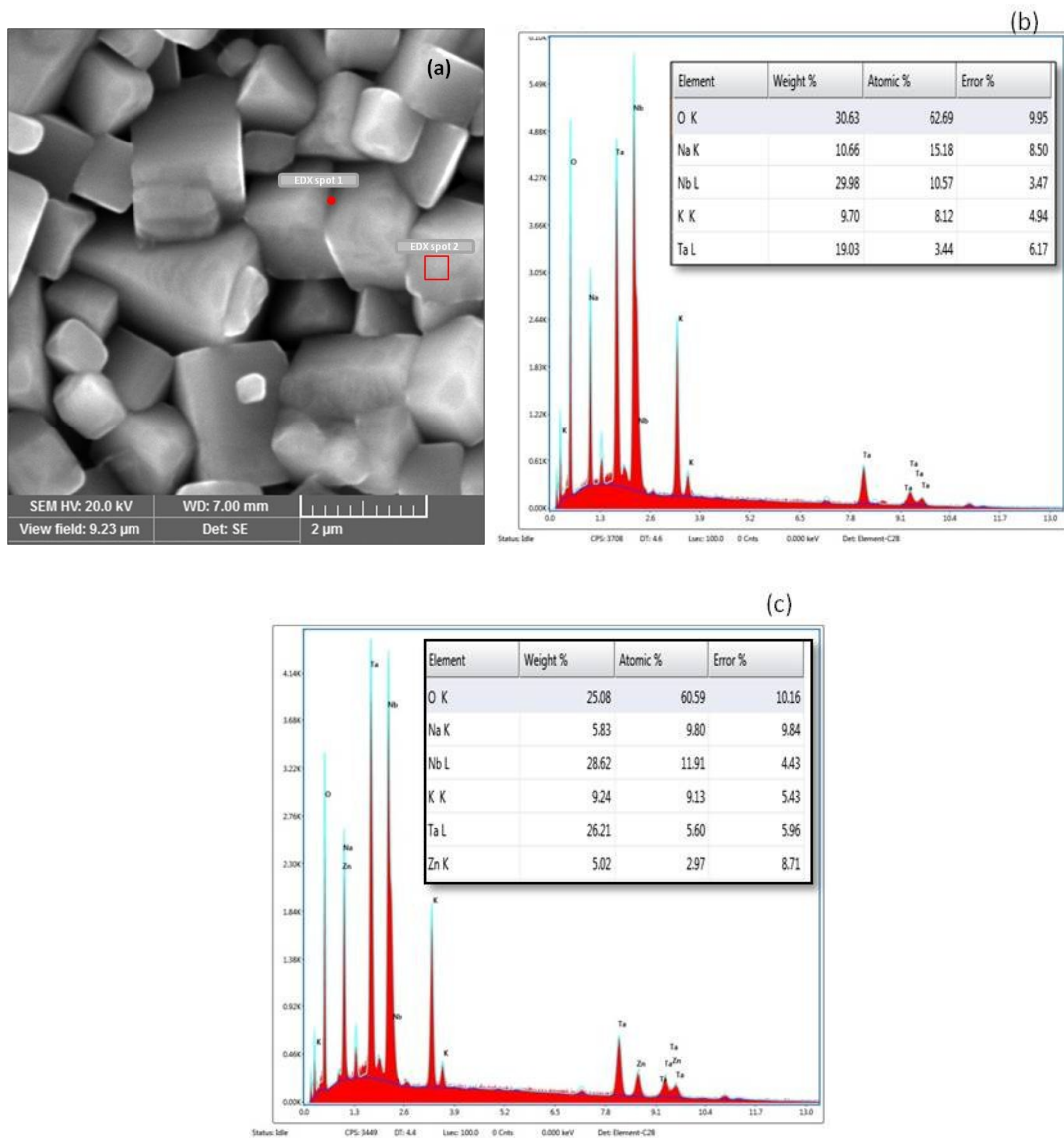[Type text]

EDX spectrum of KNNT 6 sample

Figure. 2 (a) SEM image of KNNT 6 with EDX spot marked. EDX spectrum recorded (b) from the bulk of the grain (EDX spot 2- EDX area analysis) (c) along the grain boundary (EDX spot 1-EDX point analysis). Inset table shows the elemental composition.

The tables in the figure read:

Table (b):

Element	Weight %	Atomic %	Error %
O K	30.63	62.69	9.95
Na K	10.66	15.18	8.50
Nb L	29.98	10.57	3.47
K K	9.70	8.12	4.94
Ta L	19.03	3.44	6.17

Table (c):

Element	Weight %	Atomic %	Error %
O K	25.08	60.59	10.16
Na K	5.83	9.80	9.84
Nb L	28.62	11.91	4.43
K K	9.24	9.13	5.43
Ta L	26.21	5.60	5.96
Zn K	5.02	2.97	8.71