

Supporting Information

Copper (II) bromide as a Procatalyst for *in situ* Preparation of Active Cu Nanoparticles for Reduction of Nitroarenes

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Table of Content

Sr. No.	Title	Page no.
1	<u>H¹NMR of selected products</u>	2-5
2	<u>EDX of recovered Cu catalyst</u>	6-10
3	<u>SEM of recovered Cu catalyst</u>	11-23
4	<u>XRD of recovered Cu Catalyst after nitroreduction and without nitroreduction</u>	24-26
5	<u>TEM of recovered Cu catalyst after nitroreduction</u>	27-35

^1H NMR of selected products

Table 4, Entry 12

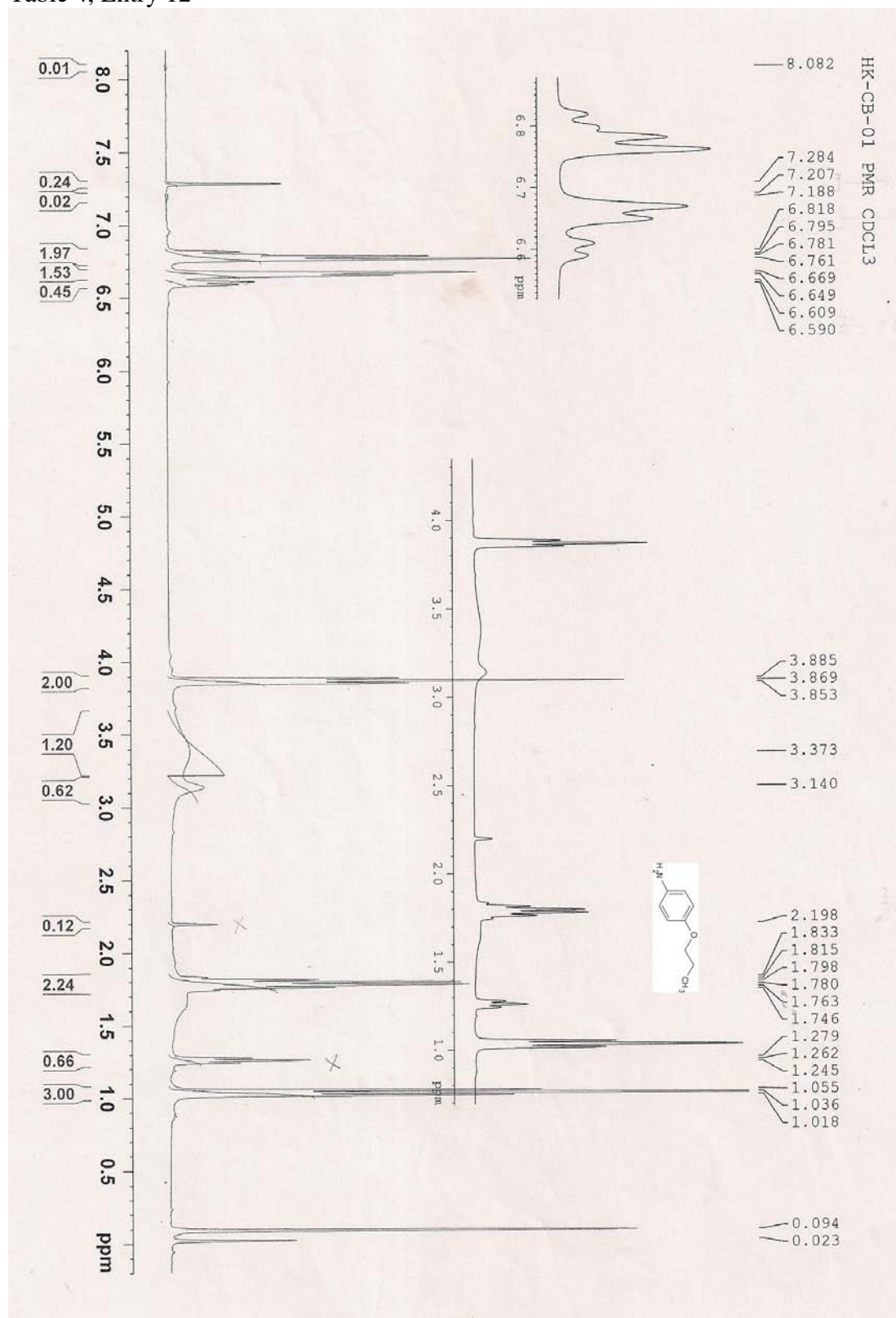


Table 4, Entry 13

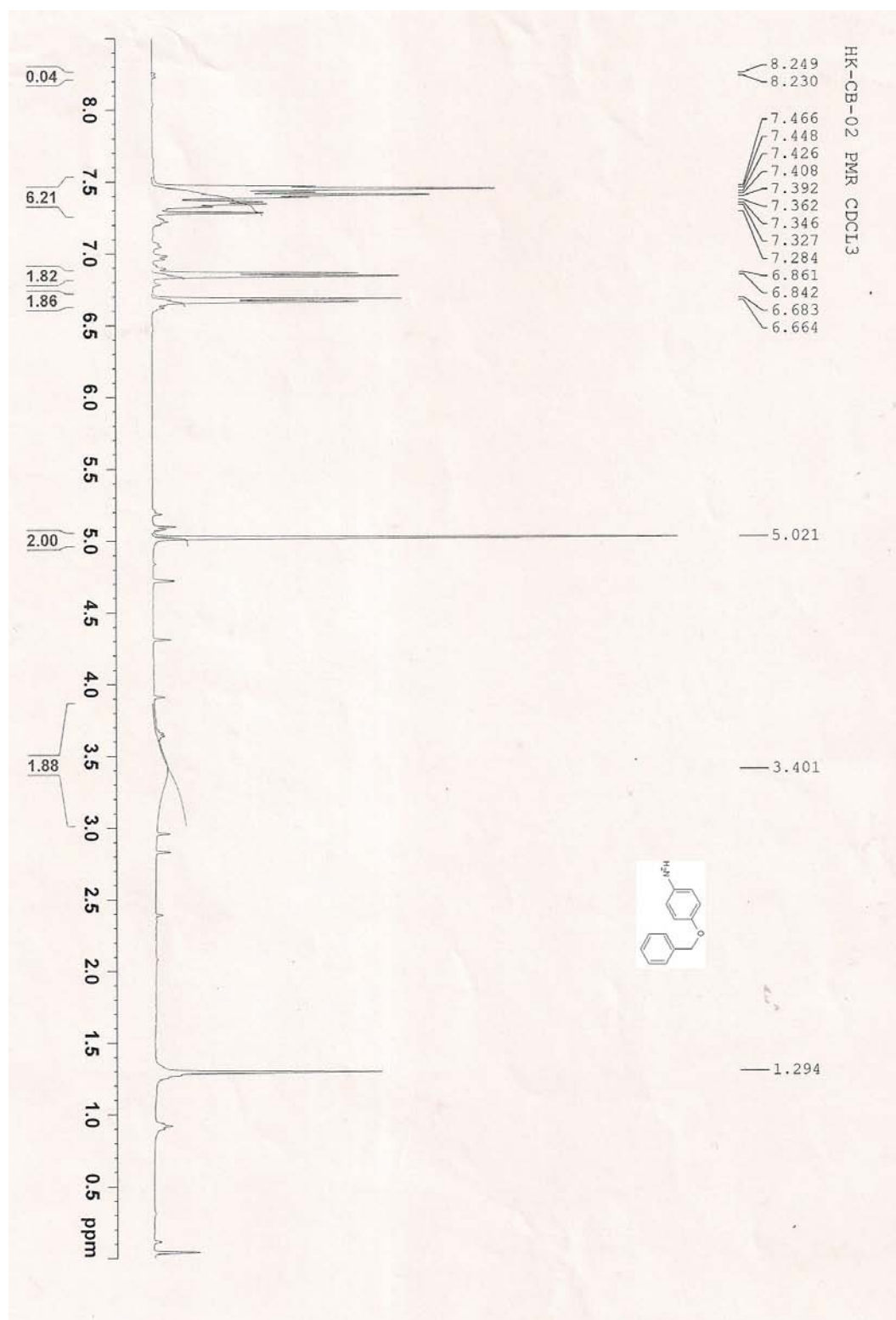


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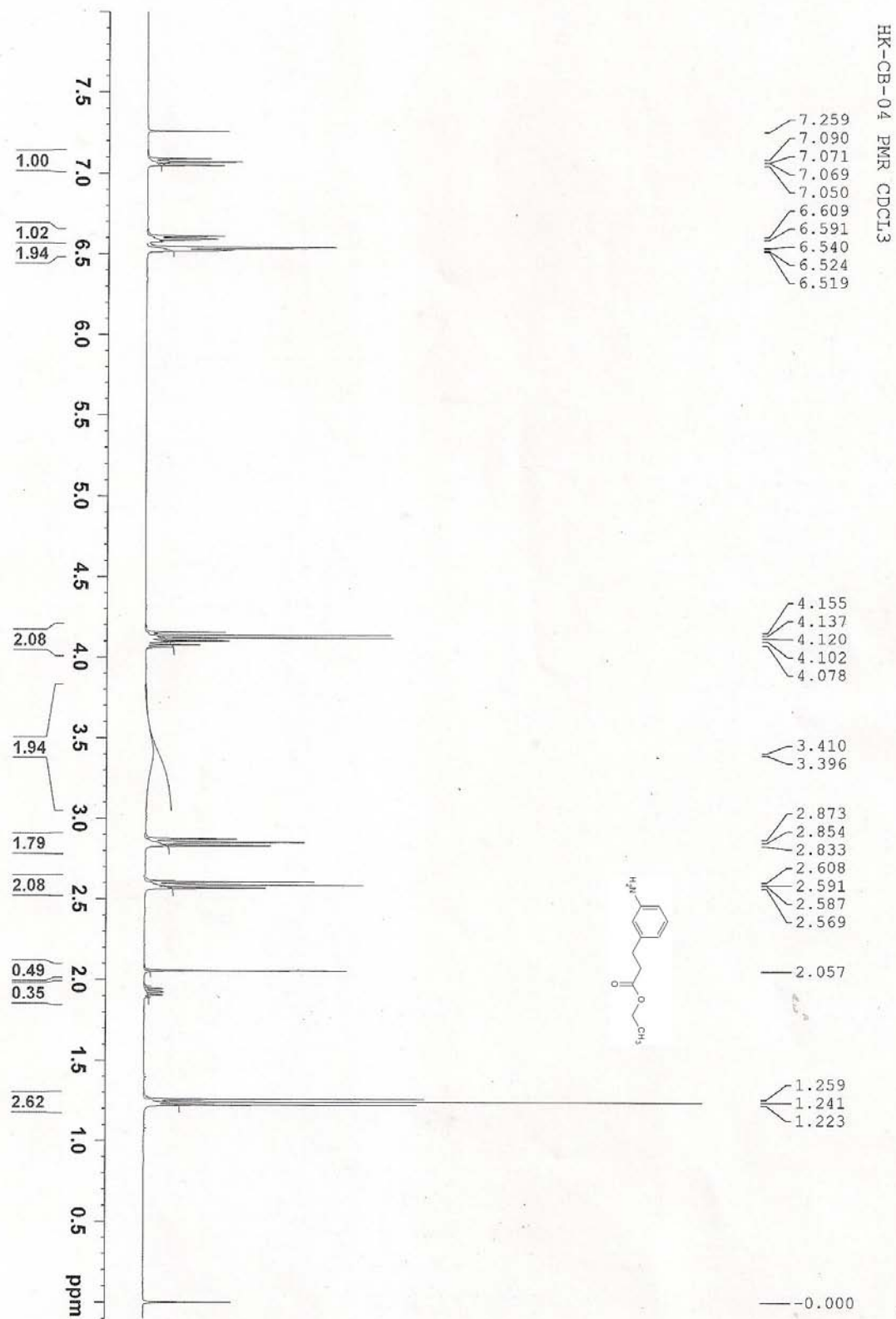
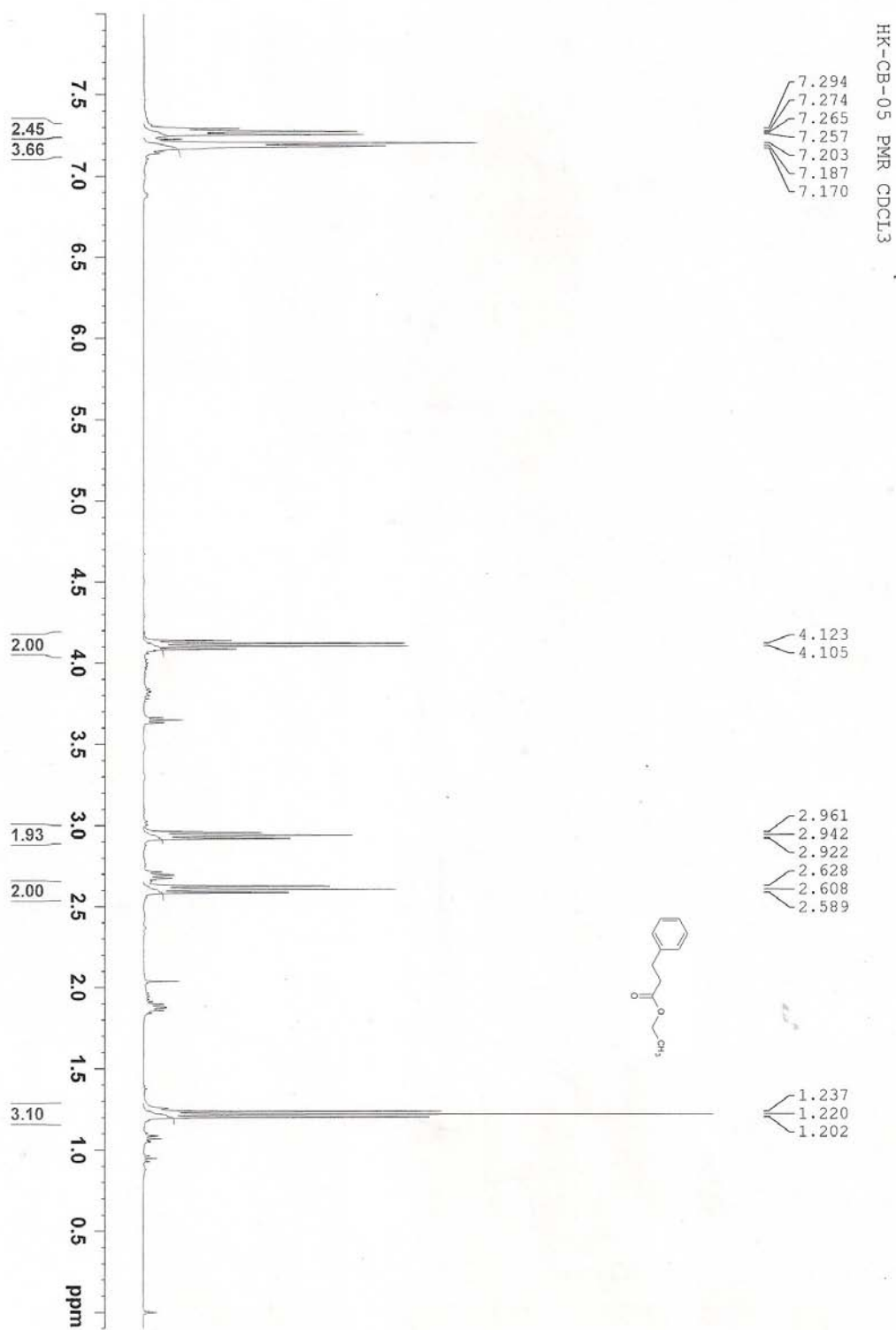


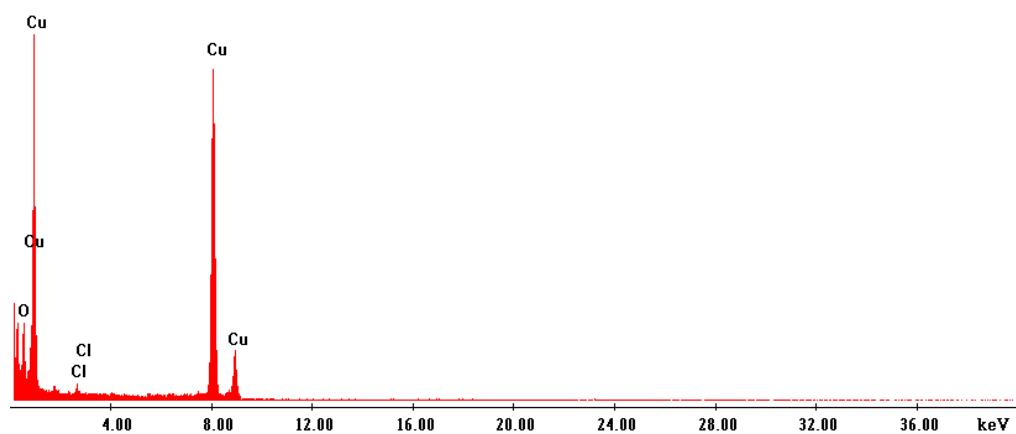
Table 4, Entry 16



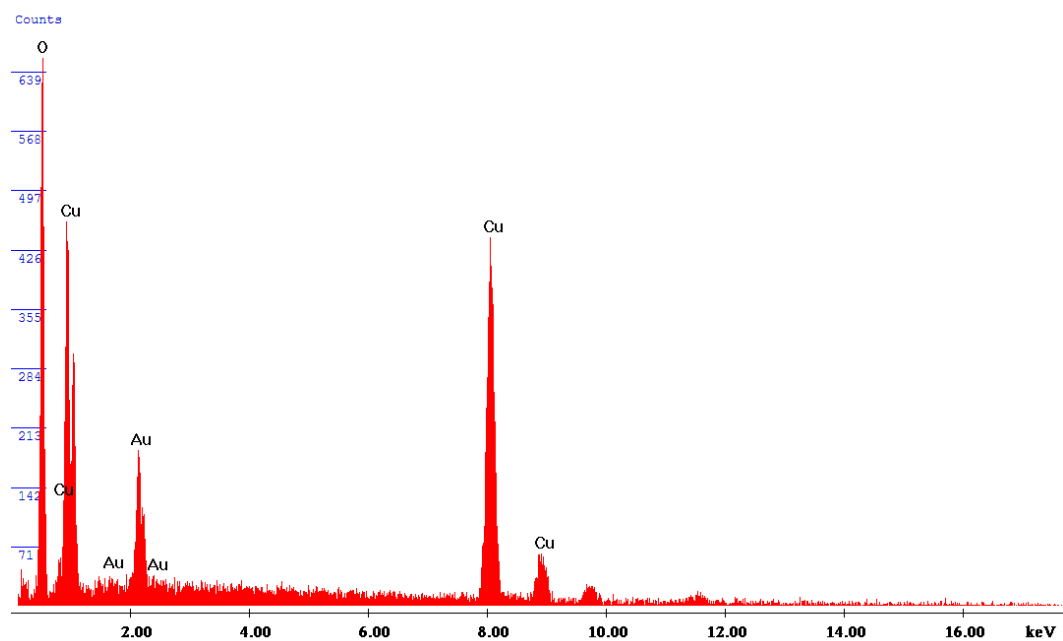
EDX of recovered Cu catalyst

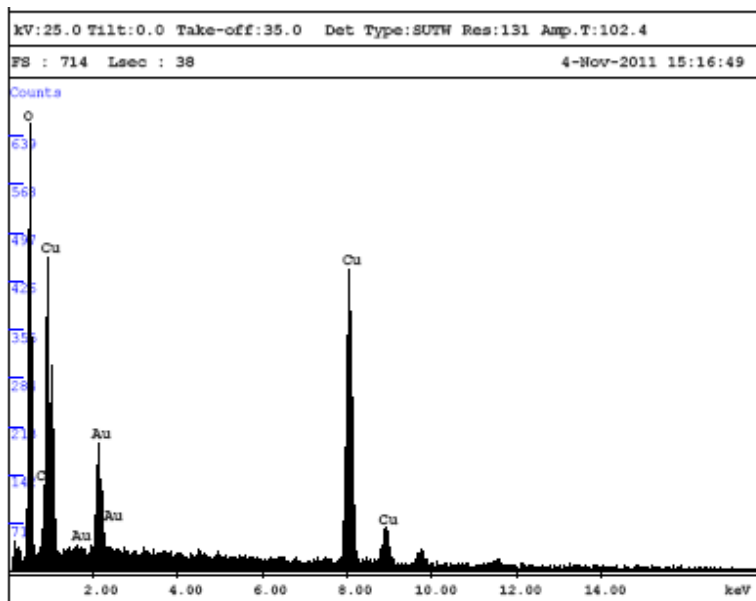
c:\edax32\genesis\genspc.spc

Label A: NewQuiz 14 Elements



Label A:





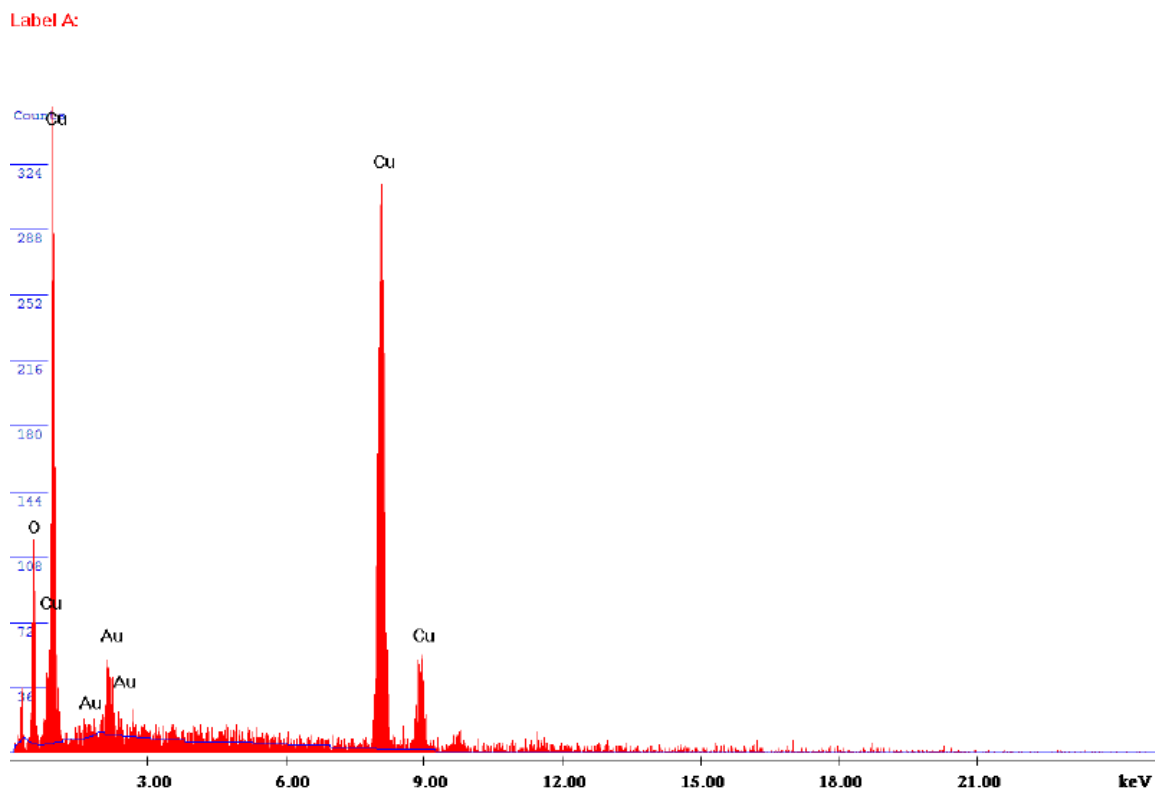
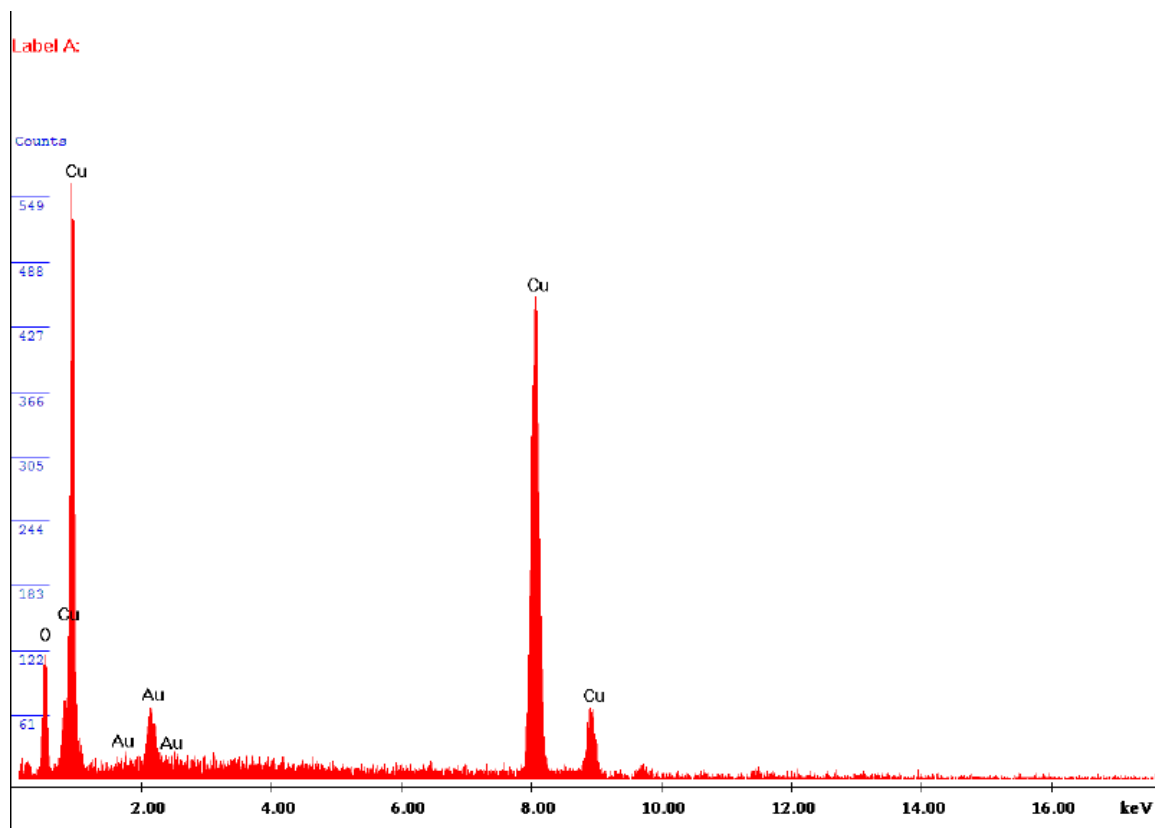
EDAX ZAF Quantification (Standardless)

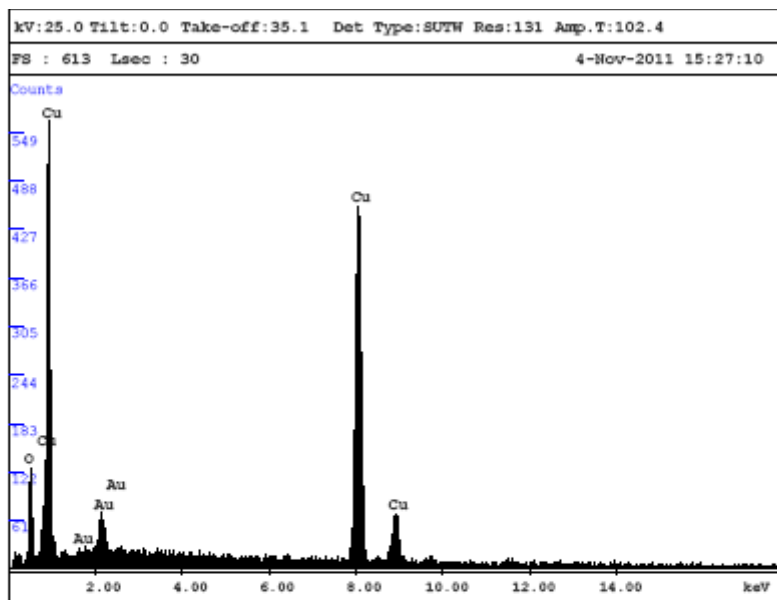
Element Normalized

SEC Table : Default

Element	Wt %	At %	K-Ratio	Z	A	F
O K	45.48	79.82	0.1691	1.0942	0.3396	1.0009
AuM	13.06	1.86	0.0963	0.8186	0.9013	1.0000
CuK	41.46	18.32	0.3893	0.9201	0.9993	1.0212
Total	100.00	100.00				

Element	Net Inte.	Bkqd Inte.	Inte. Error	F/B
O K	86.02	1.75	1.78	49.27
AuM	32.73	5.47	3.26	5.98
CuK	135.76	2.50	1.41	54.27





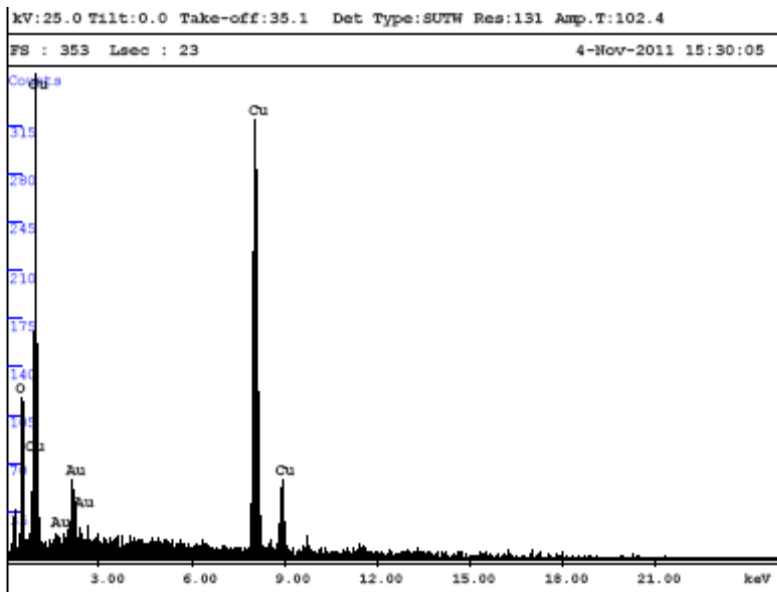
EDAX ZAF Quantification (Standardless)

Element Normalized

SEC Table : Default

Element	Wt %	At %	K-Ratio	Z	A	F
O K	17.54	47.67	0.0566	1.1501	0.2801	1.0020
AuM	8.89	1.96	0.0558	0.8595	0.7300	1.0000
CuK	73.58	50.36	0.7194	0.9716	0.9960	1.0103
Total	100.00	100.00				

Element	Net Inte.	Bkgd Inte.	Inte. Error	P/B
O K	20.42	1.63	4.30	12.56
AuM	13.43	5.23	6.56	2.57
CuK	177.59	2.08	1.37	85.34



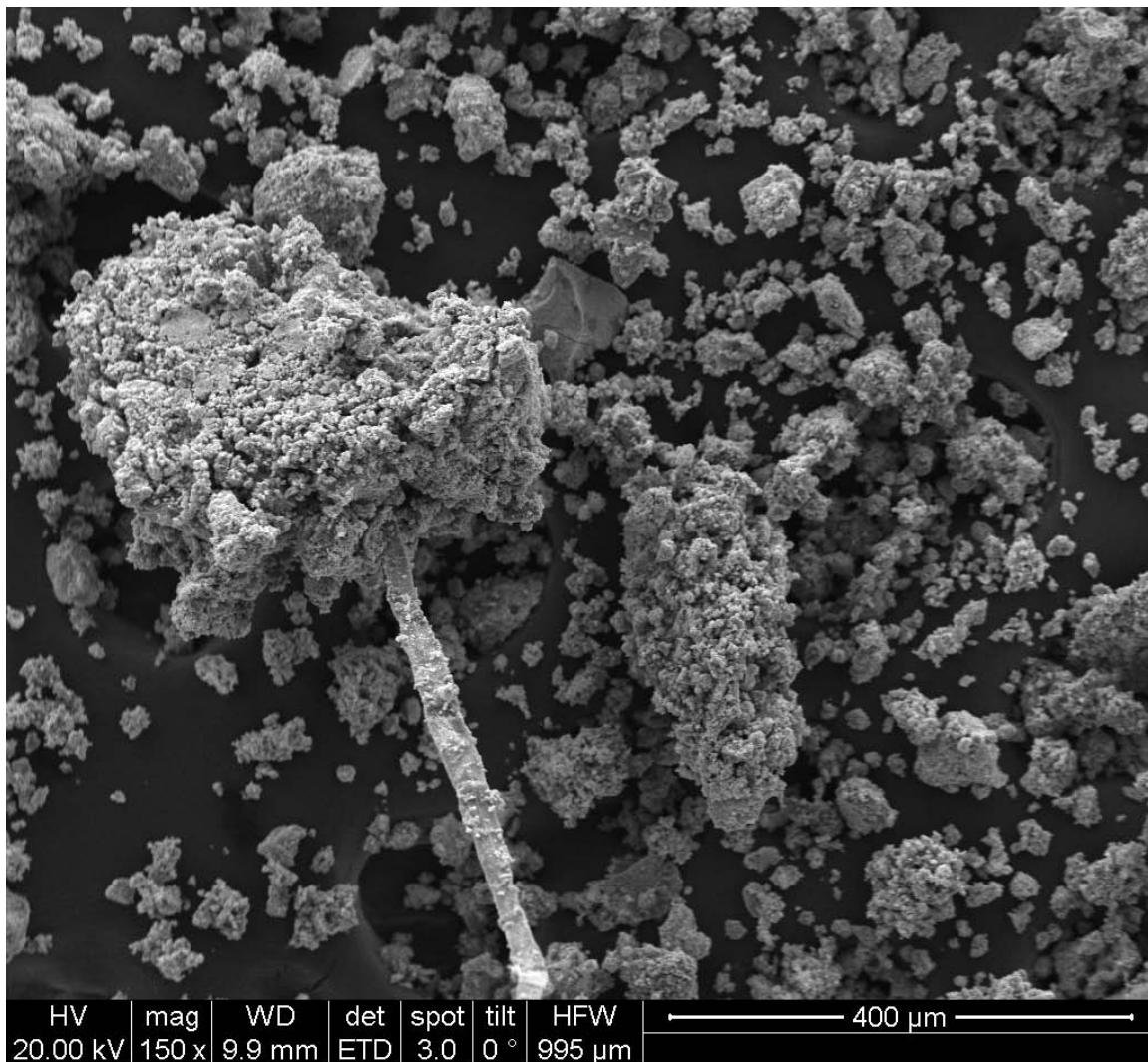
EDAX ZAF Quantification (Standardless)

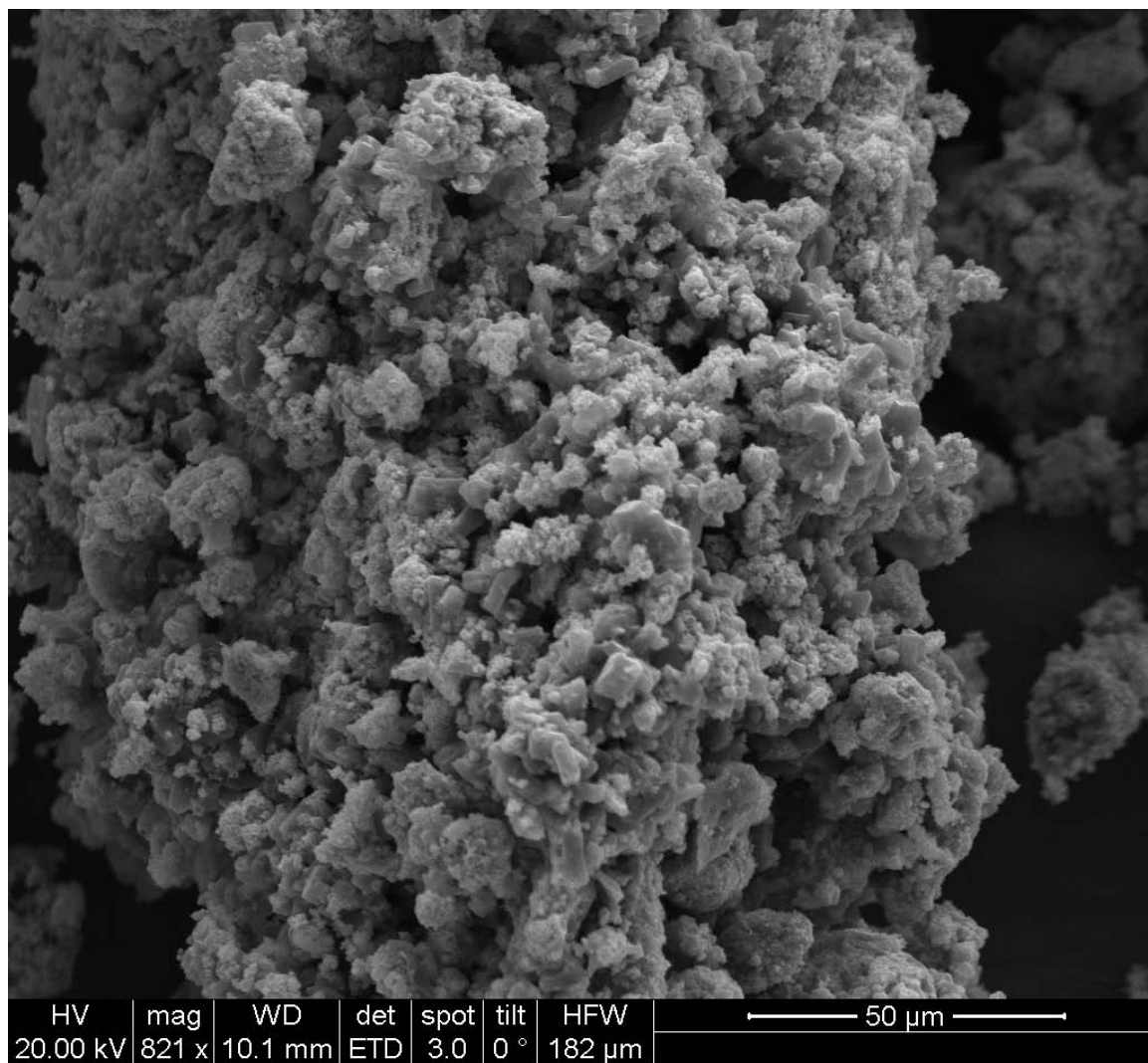
Element Normalized
 SEC Table : Default

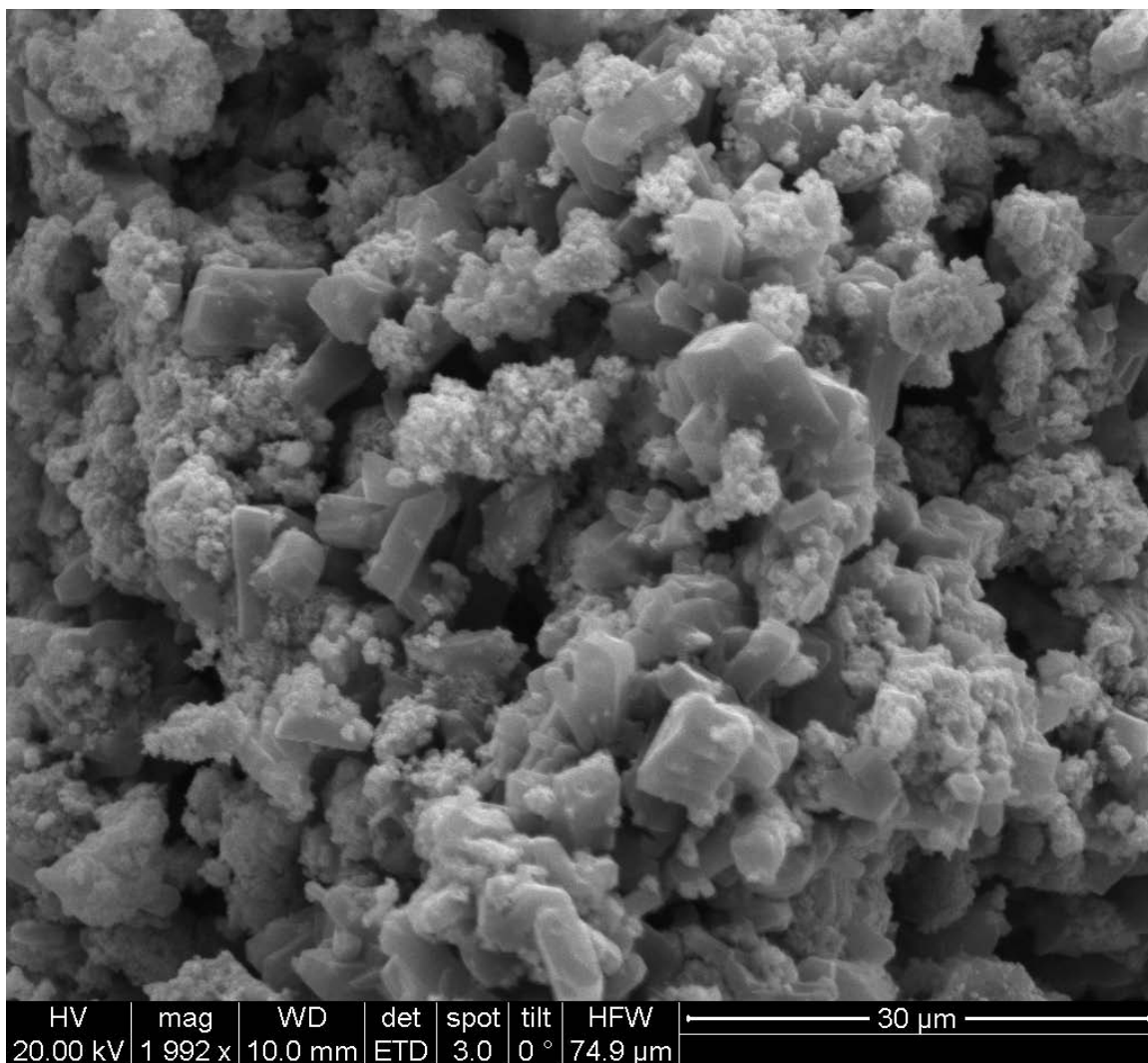
Element	Wt %	At %	K-Ratio	Z	A	F
O K	20.14	52.12	0.0657	1.1446	0.2844	1.0019
AuM	9.45	1.99	0.0602	0.8555	0.7446	1.0000
CuK	70.41	45.89	0.6857	0.9666	0.9962	1.0112
Total	100.00	100.00				

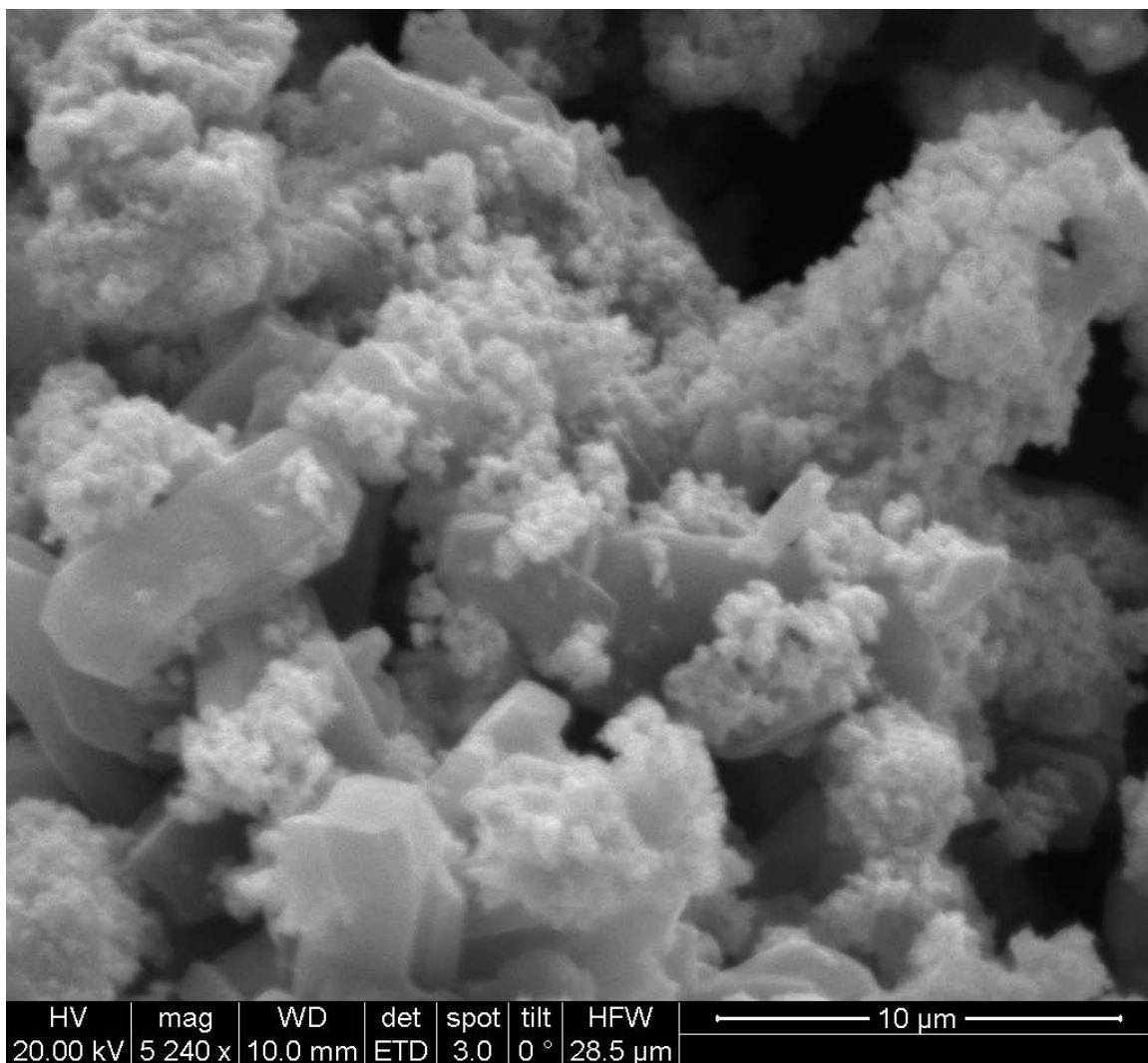
Element	Net Inte.	Bkgd Inte.	Inte. Error	F/B
O K	24.32	1.28	4.41	18.97
AuM	14.87	4.27	6.73	3.48
CuK	173.66	1.37	1.58	126.97

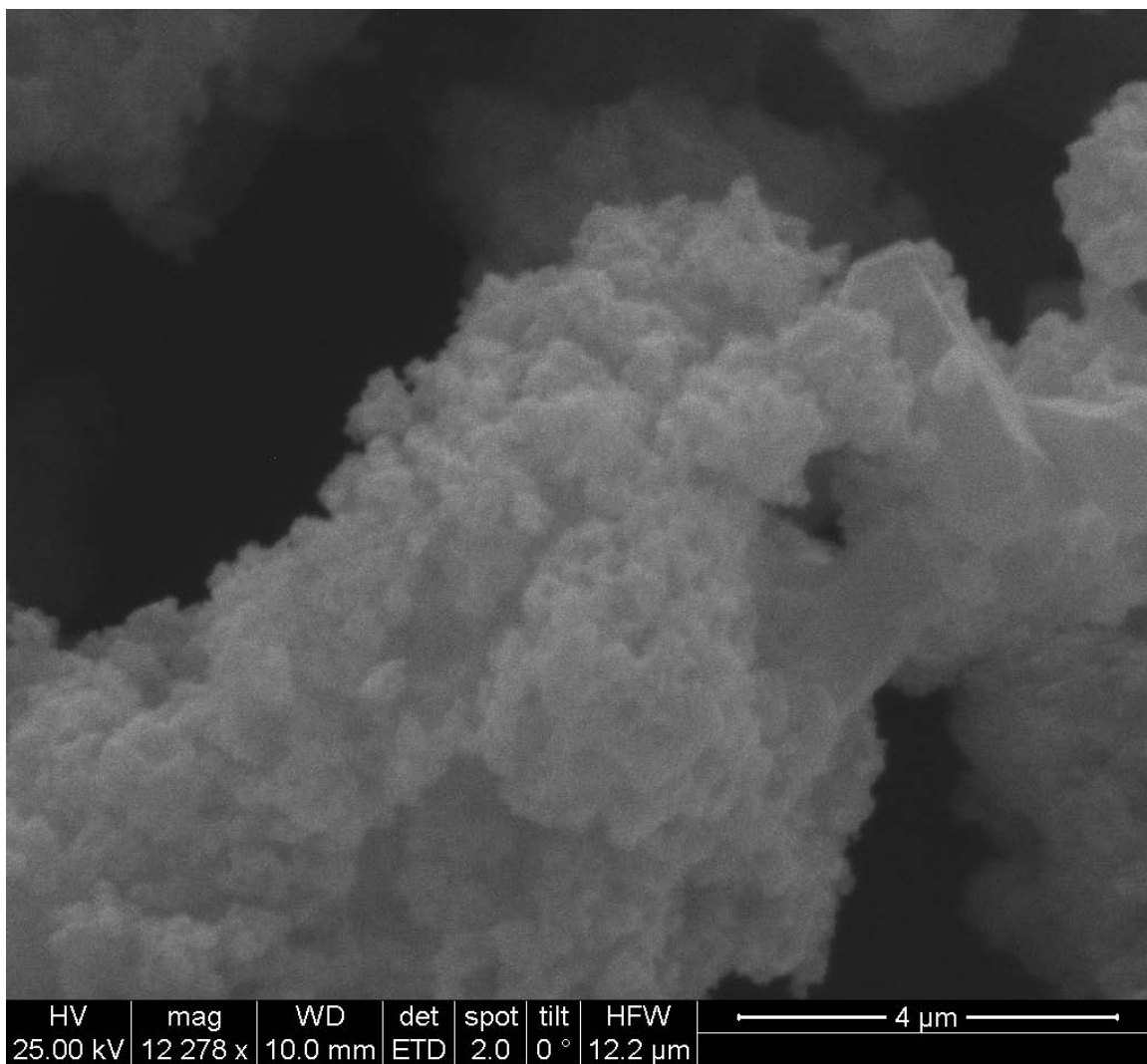
SEM of recovered Cu catalyst

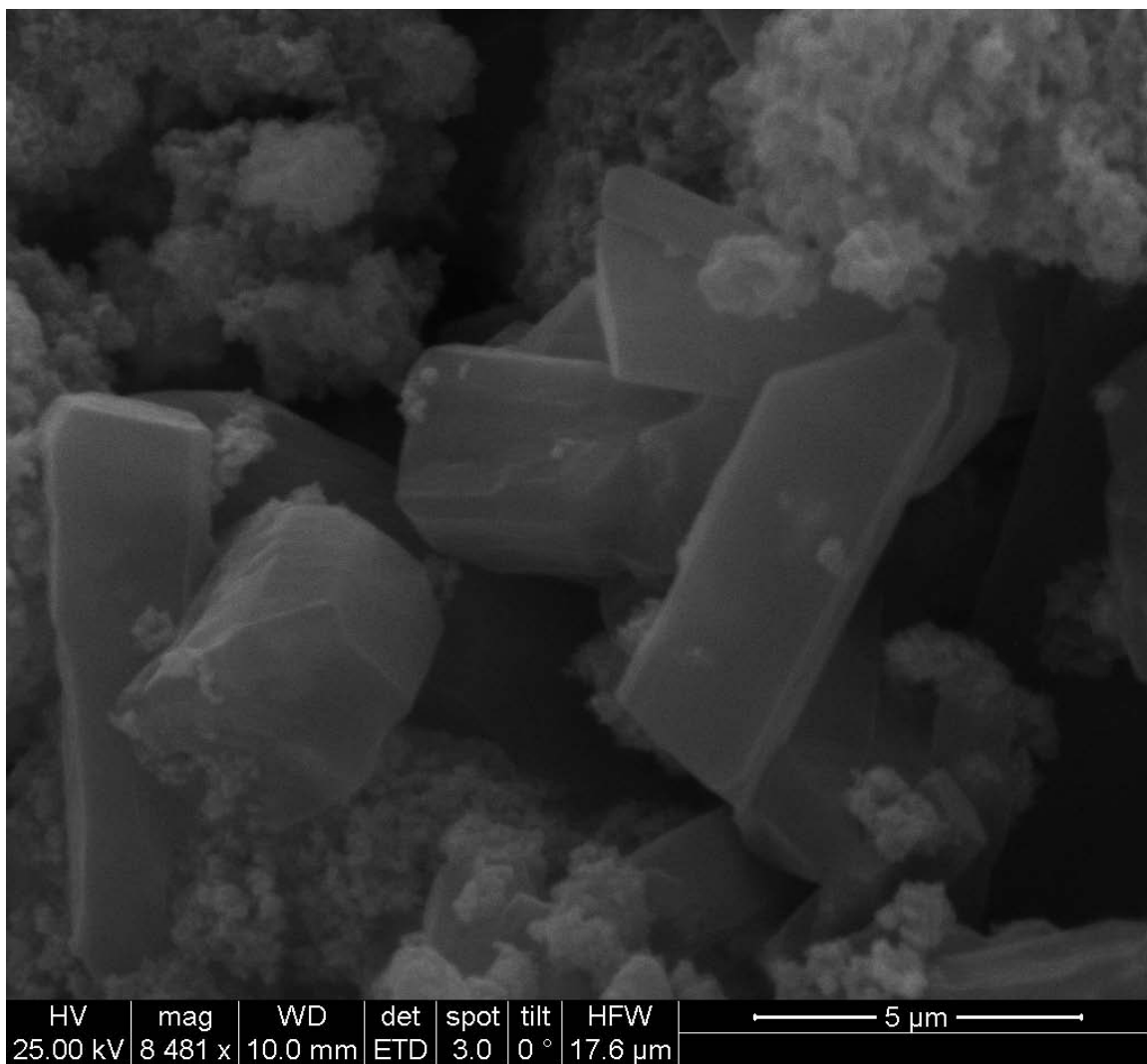


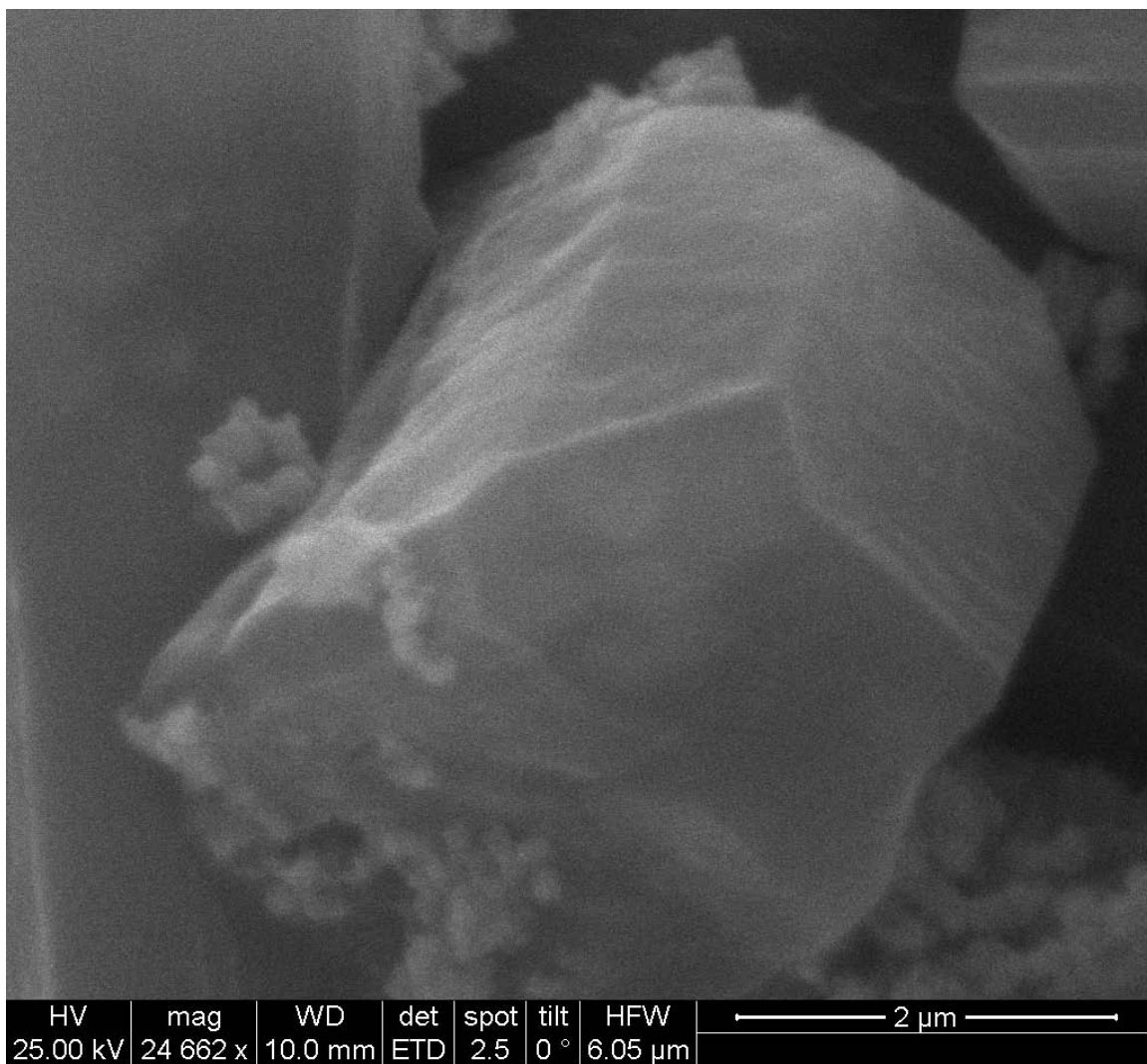


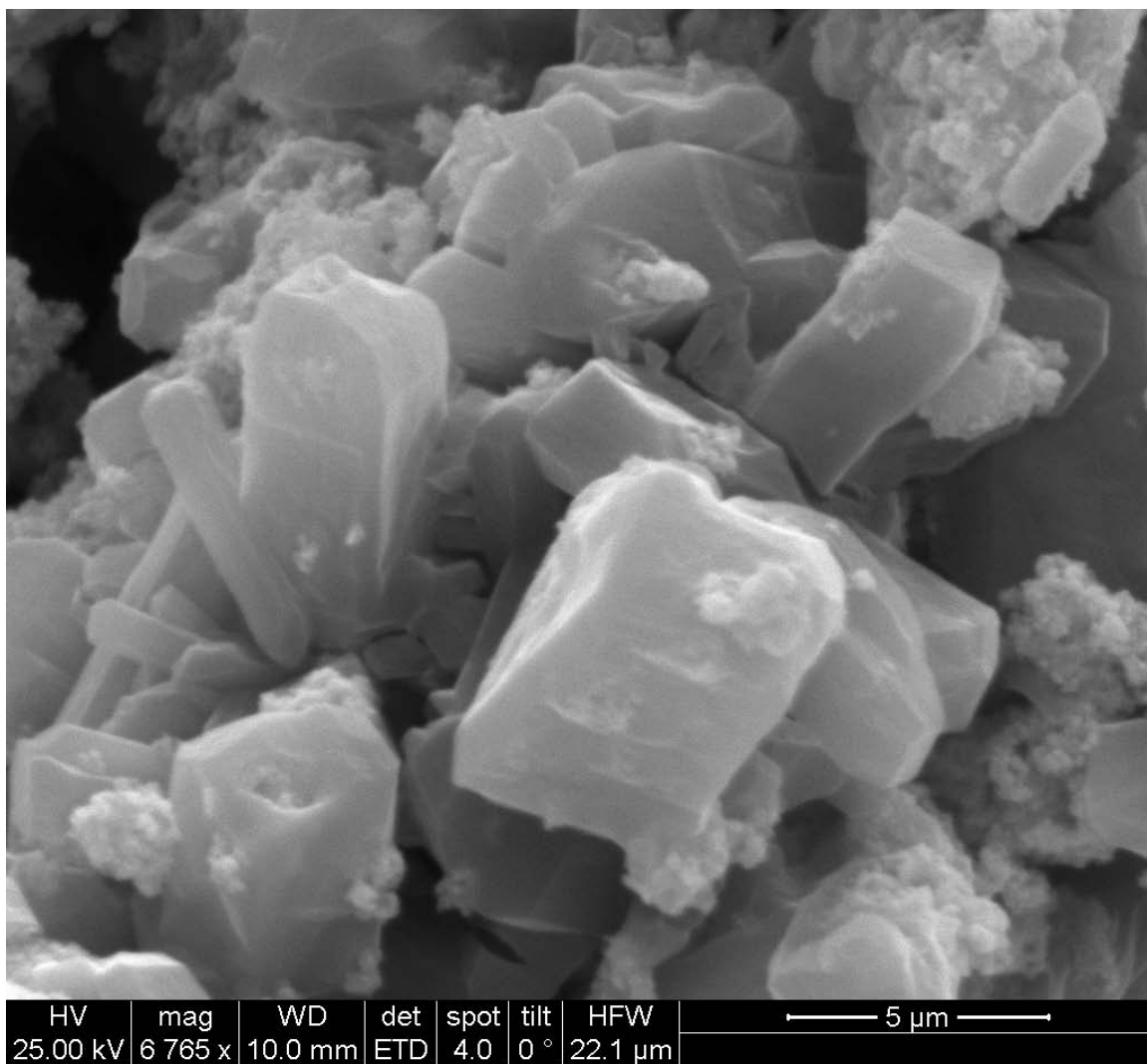


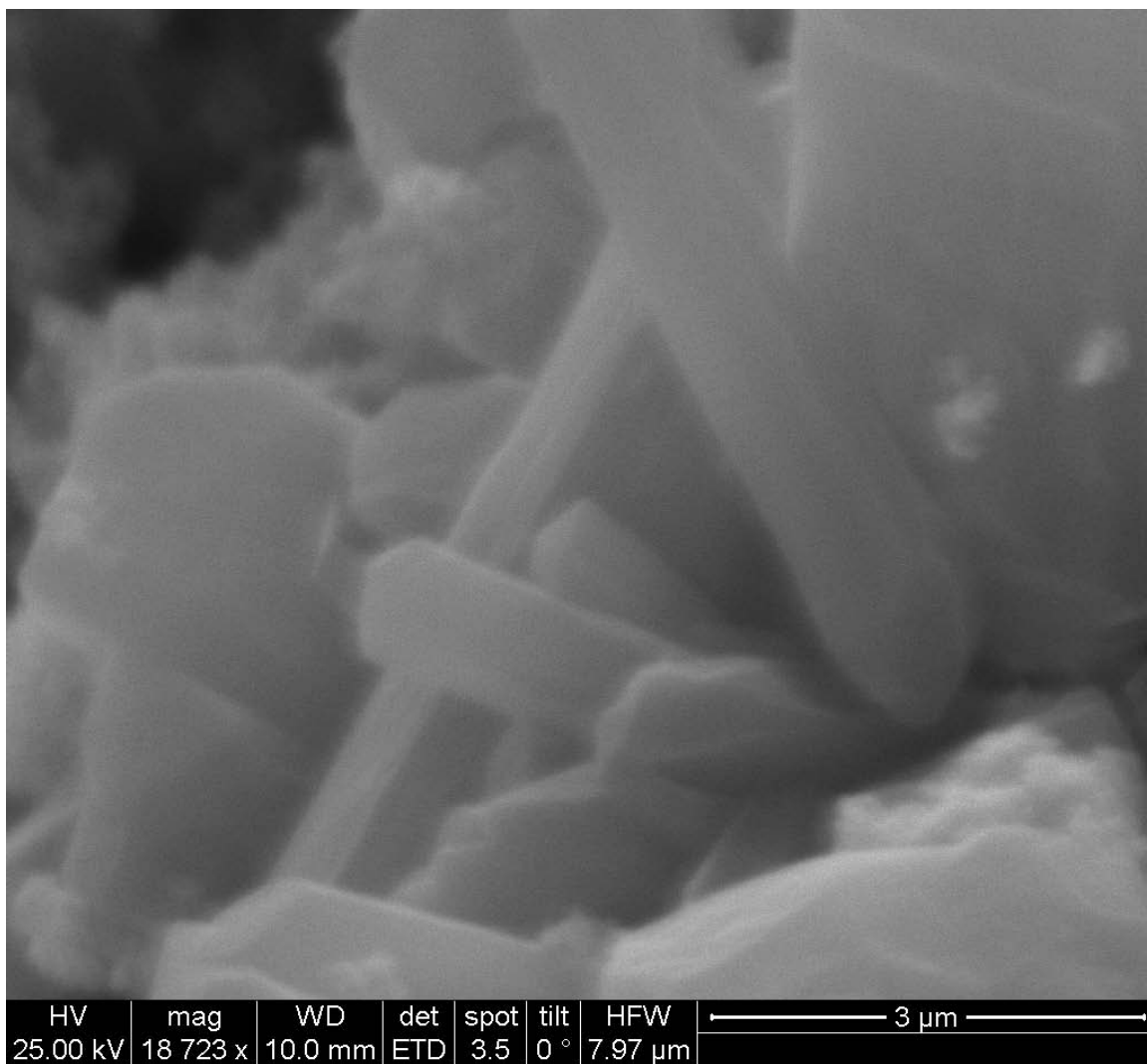


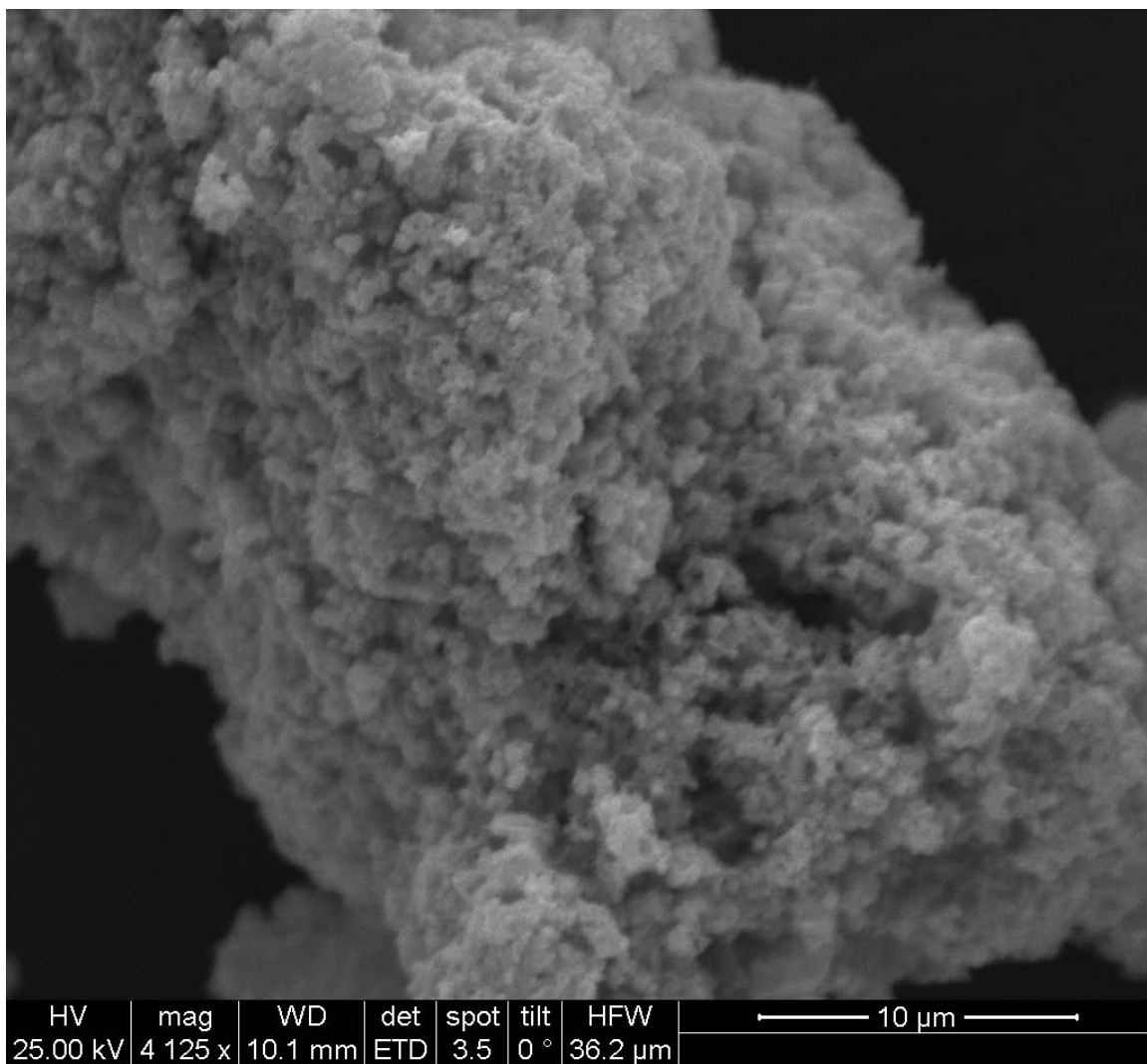


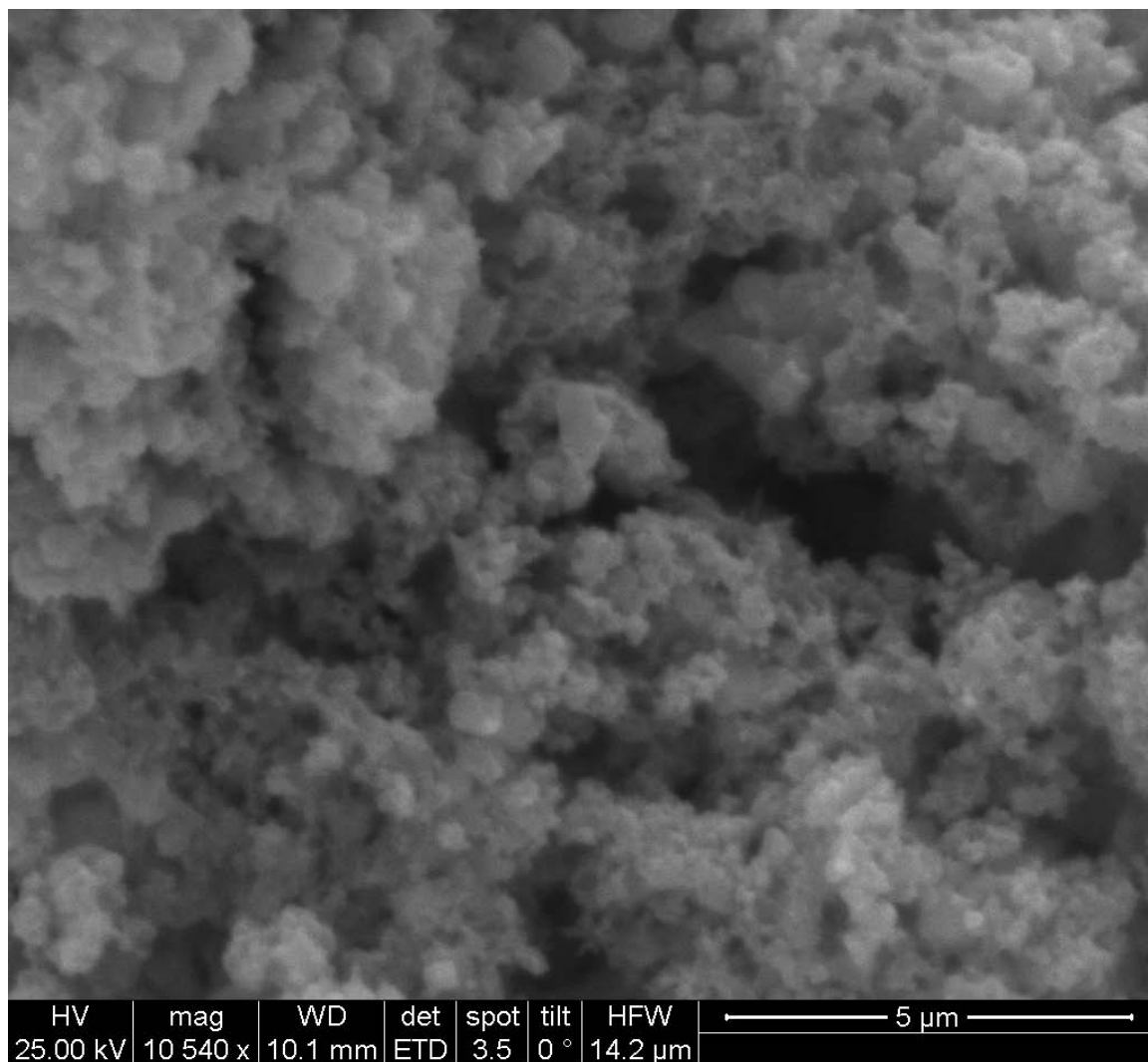


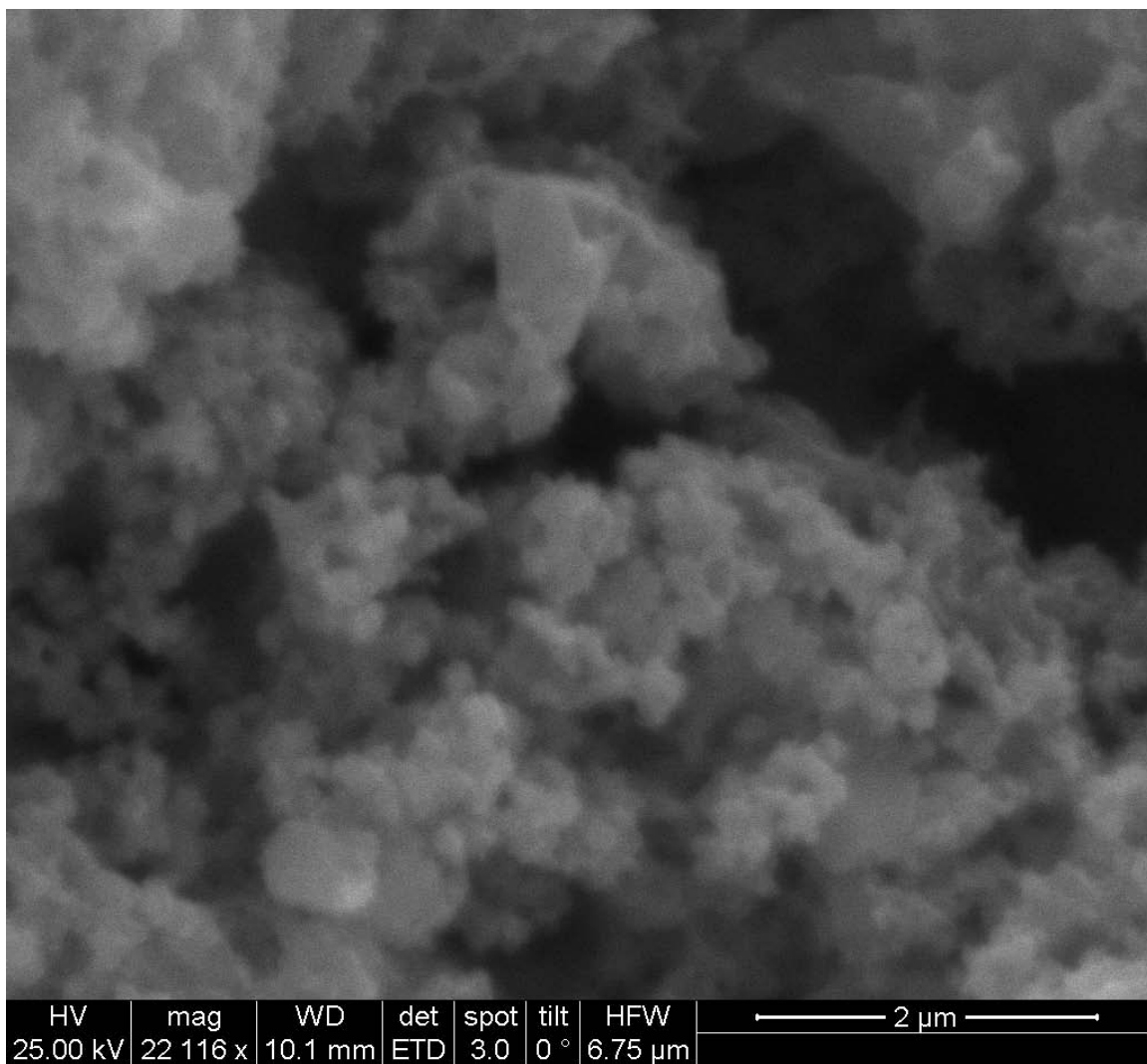


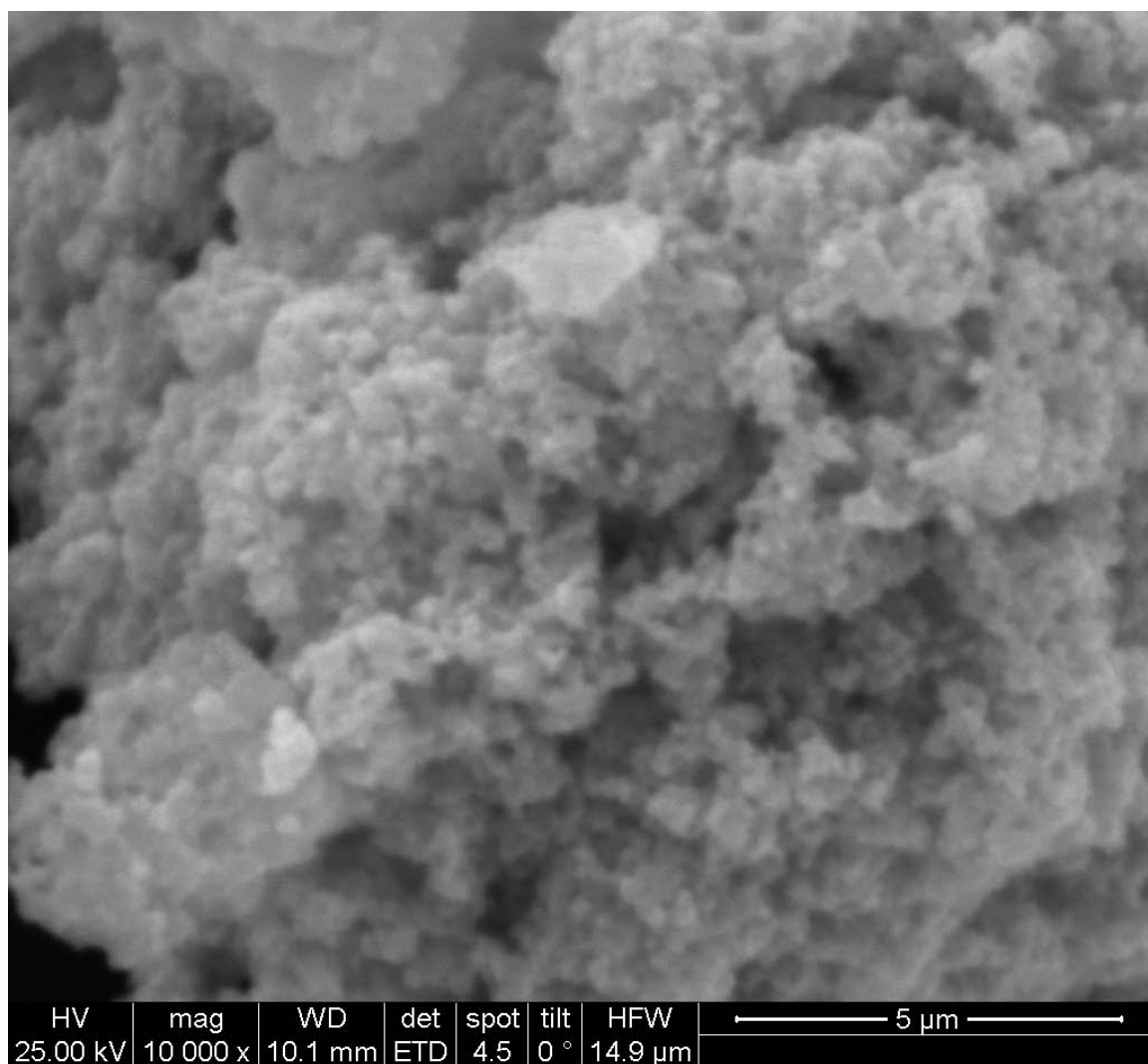




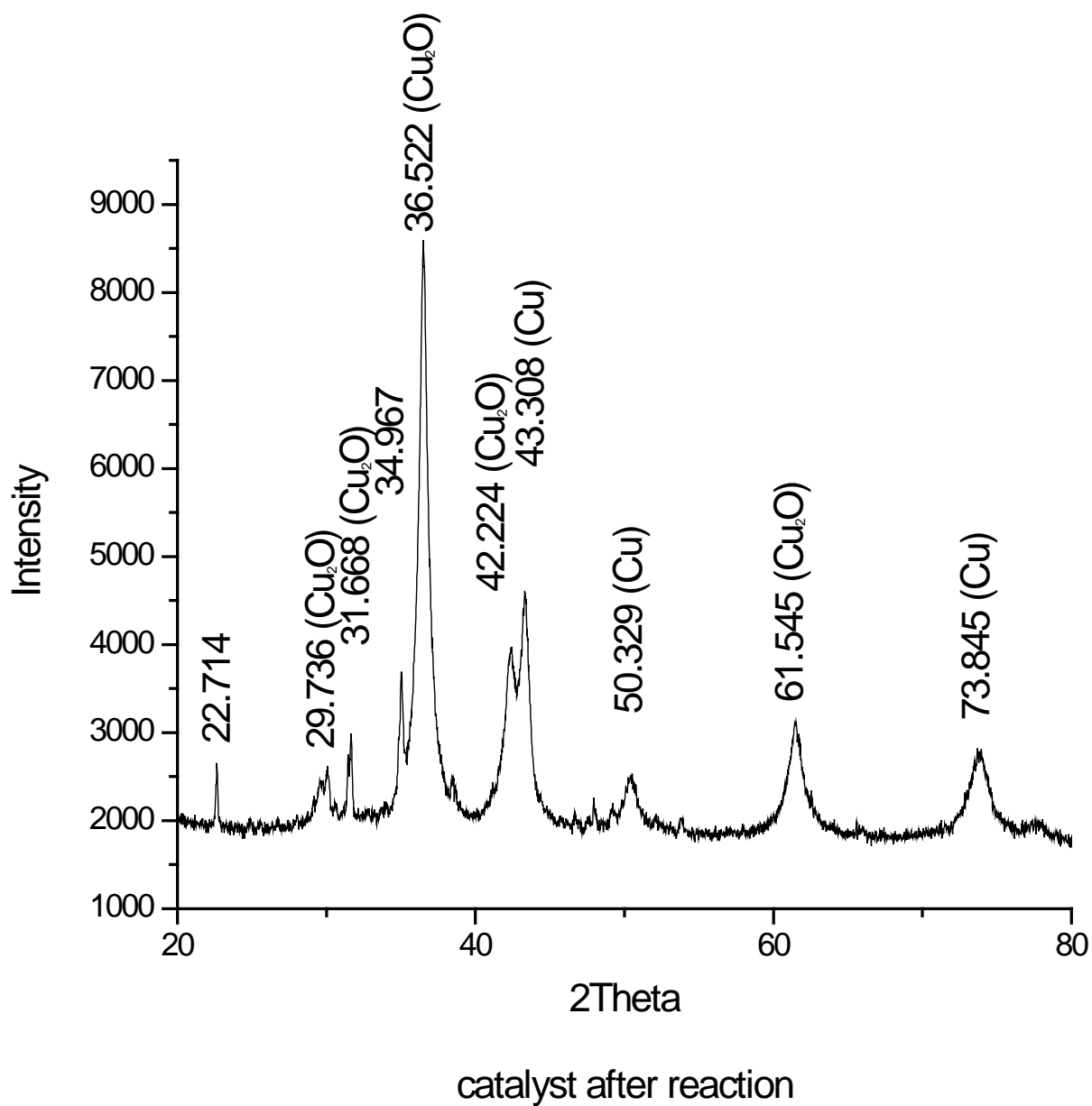


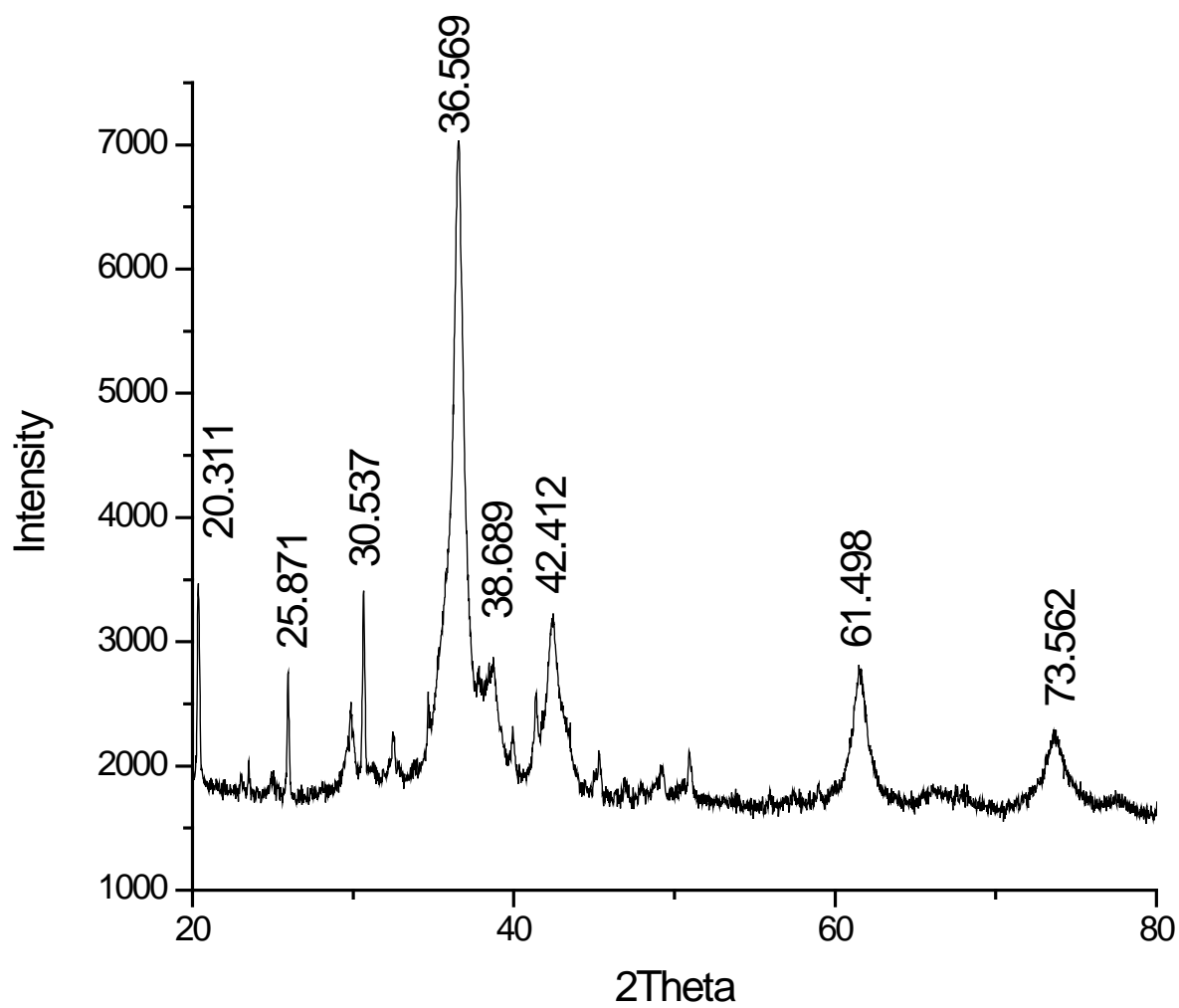




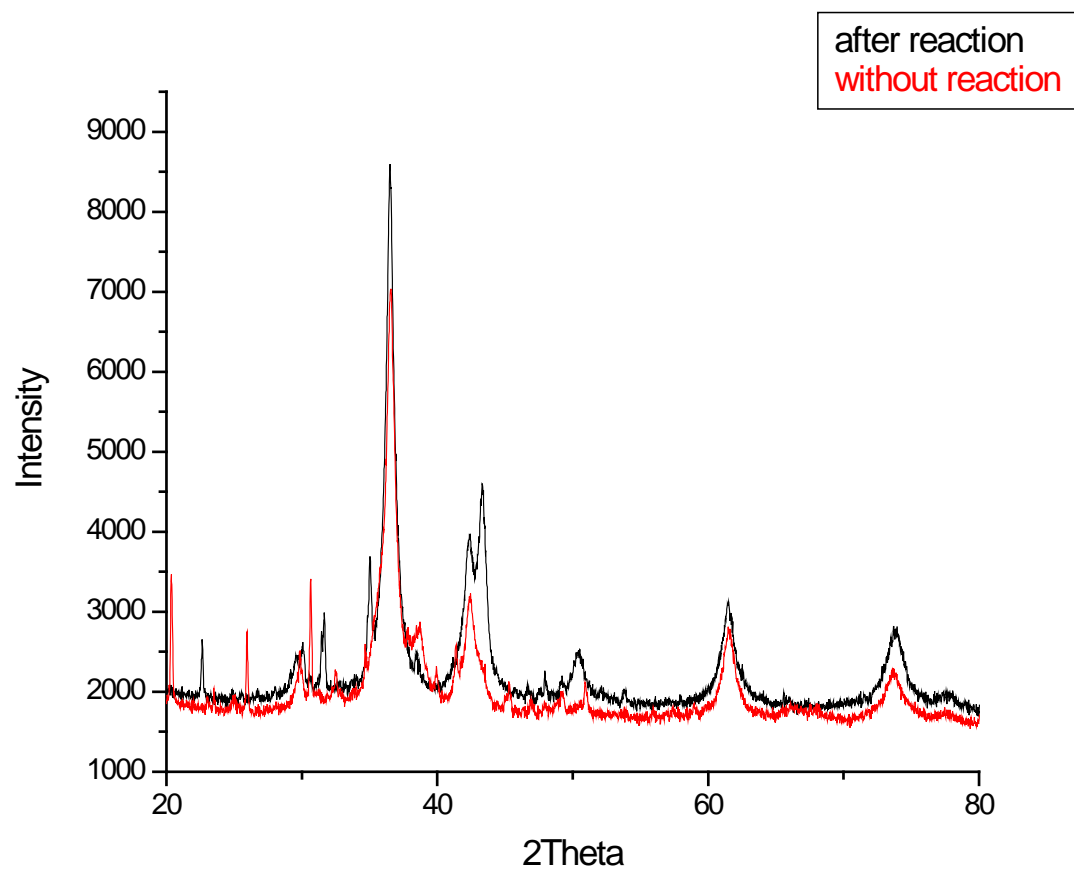


XRD of Recovered Cu Catalyst after nitroreduction and without nitroreduction





catalyst without reaction



TEM of recovered Cu catalyst after nitroreduction

