

Supplementary Material

Copper selective self-sort polymeric resin with mixed-mode functionality for column preconcentration and atomic absorption spectrometric determination

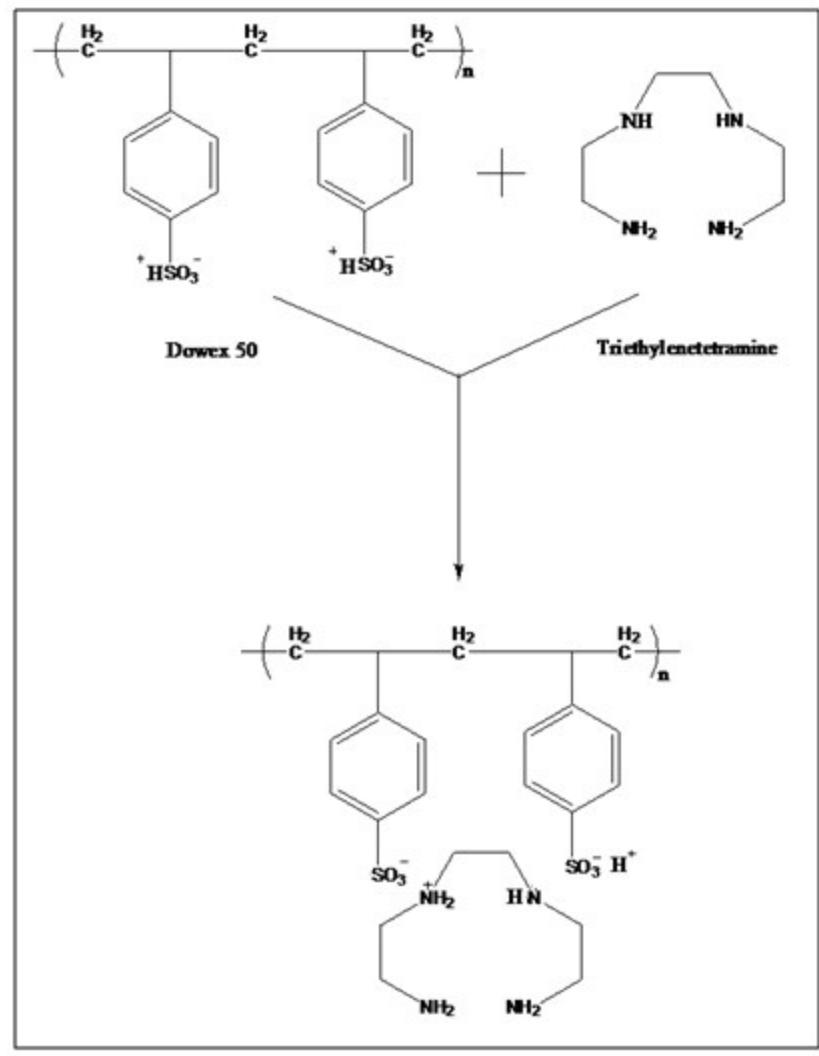
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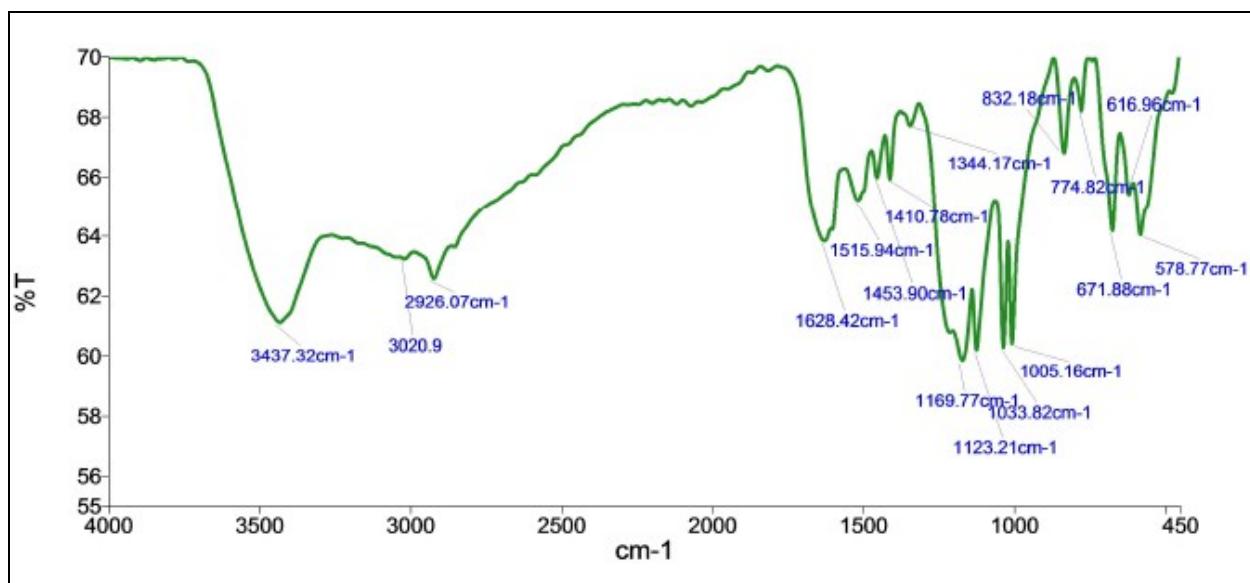
Journal: RSC Advances

This Electronic Supplementary Information (ESI) file includes the supplementary figures and table.

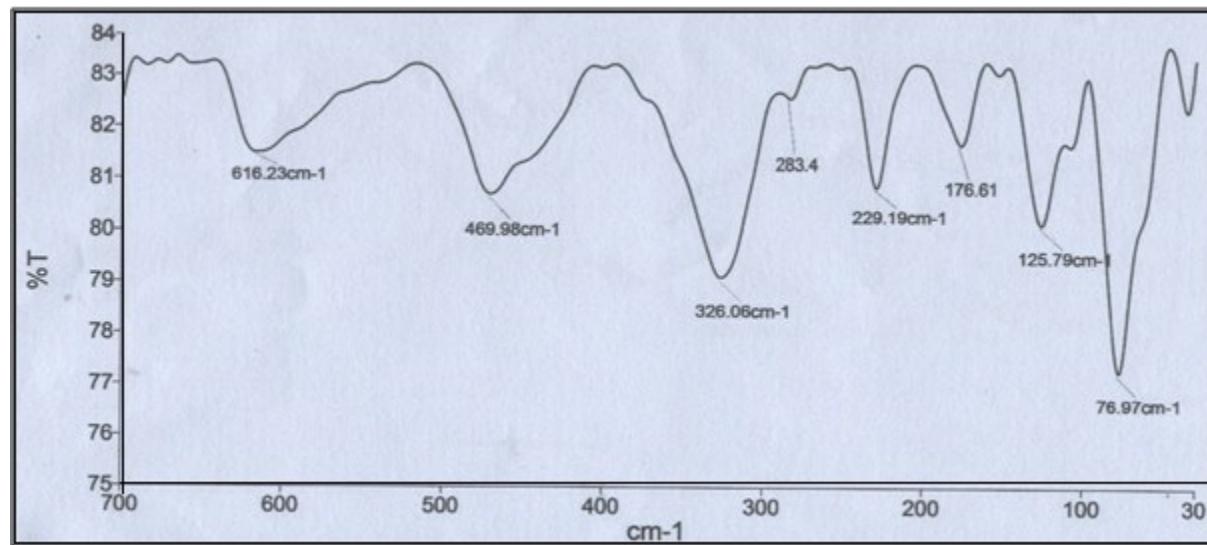
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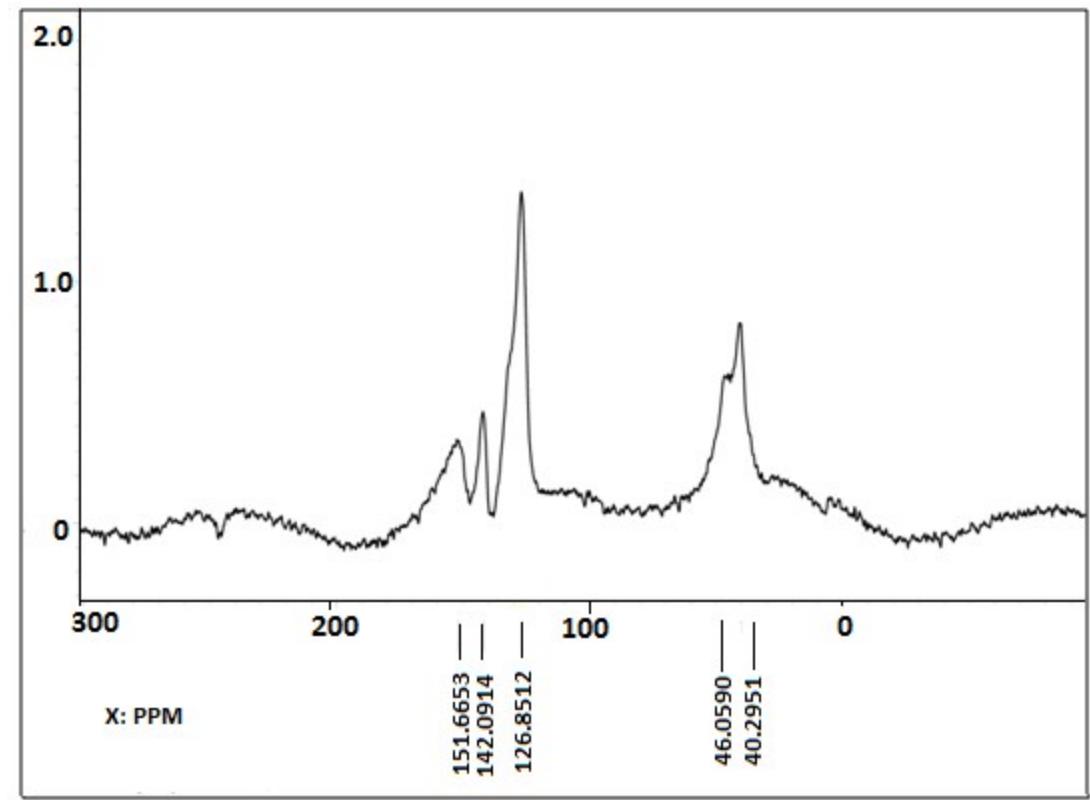
ESI Figure S1. Scheme for the preparation of Dow-trien chelating resin.



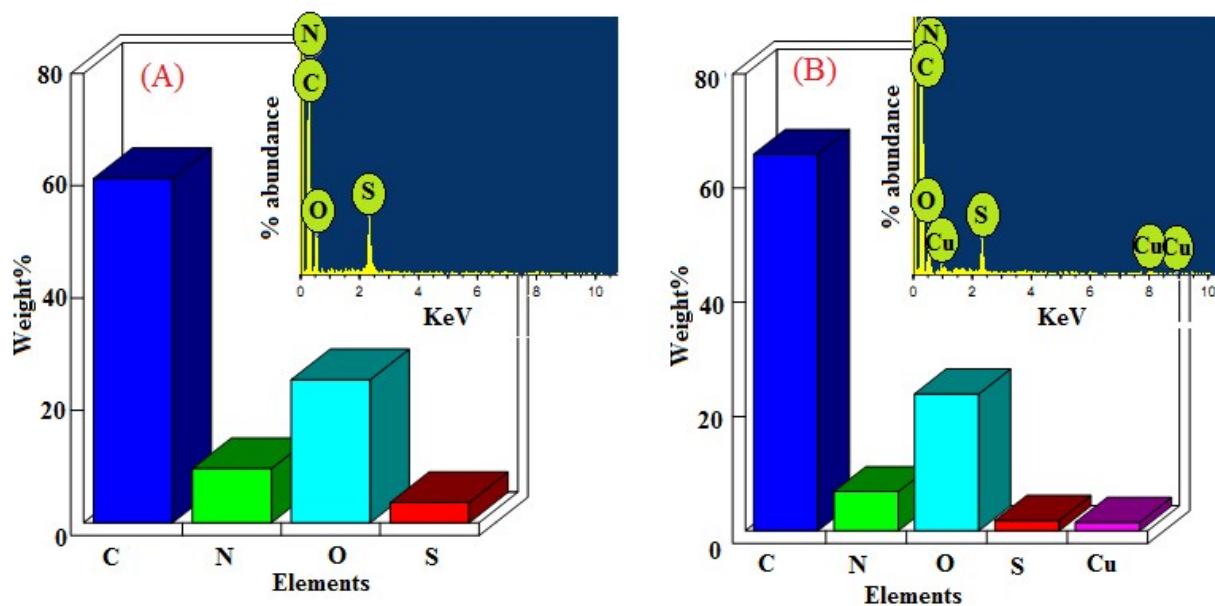
ESI Figure S2. FTIR spectra of Dow-trien resin.



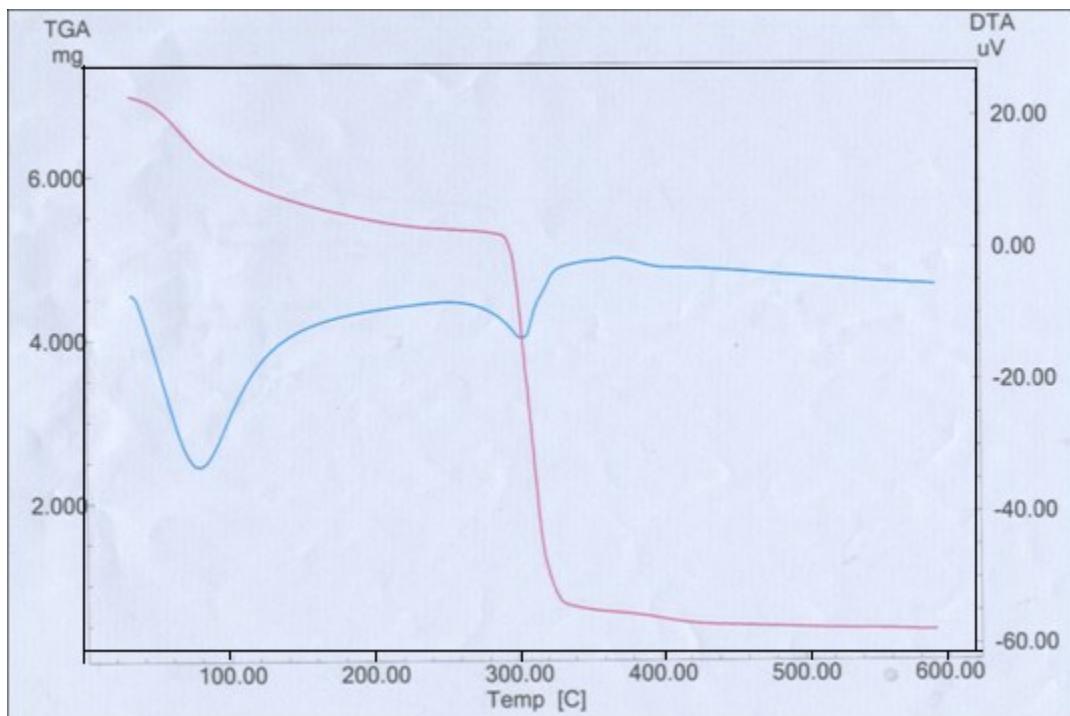
ESI Figure S3. Far IR spectra of the Cu(II) complexed Dow-trien.



ESI Figure S4. $^{13}\text{C}\{^1\text{H}\}$ CP/MAS NMR spectra of Dow-trien resin.



ESI Figure S5A and S5B. EDS analysis of Dowex and Dow-trien resins.



ESI Figure S6. TGA/DTA spectra depicts the thermal stability of Dow-trien.

ESI Table S1

Elemental analysis data of Dowex and Dow-trien resins.

Resin	Element content (%)					
	C	H	N	S	O	L_0^a
Dowex	39.45	4.65	0.01	2.93	42.9	-
Dow-trien	42.69	5.21	2.43	2.96	33.7	1.73

^a Functionalization degree (L_0 = millimoles of ligand per gram of resin).