

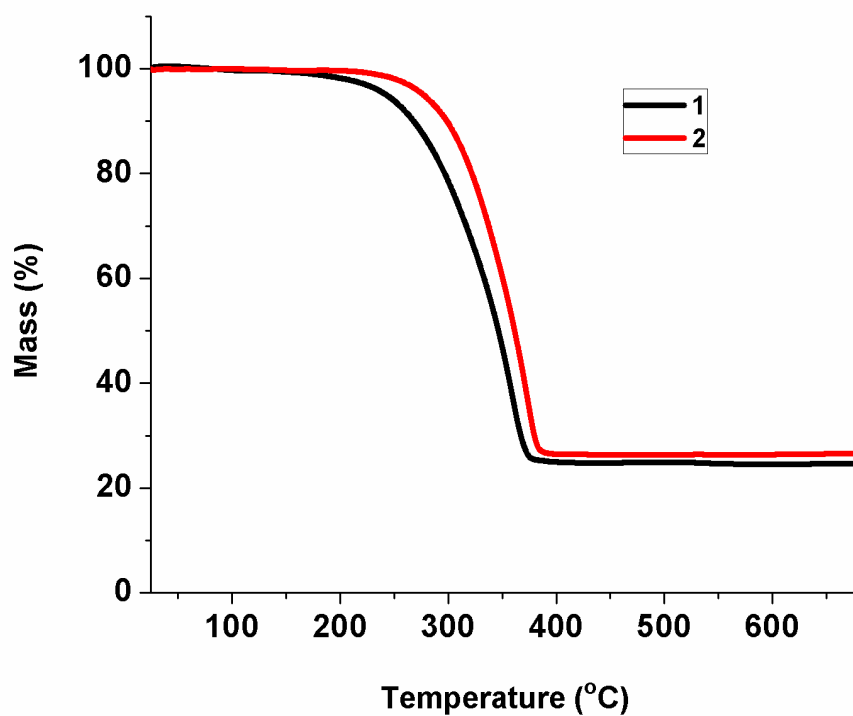
## Supporting data for manuscript

# New ternary compounds containing Zn-Cu and Zn-Ag from single molecular source precursors

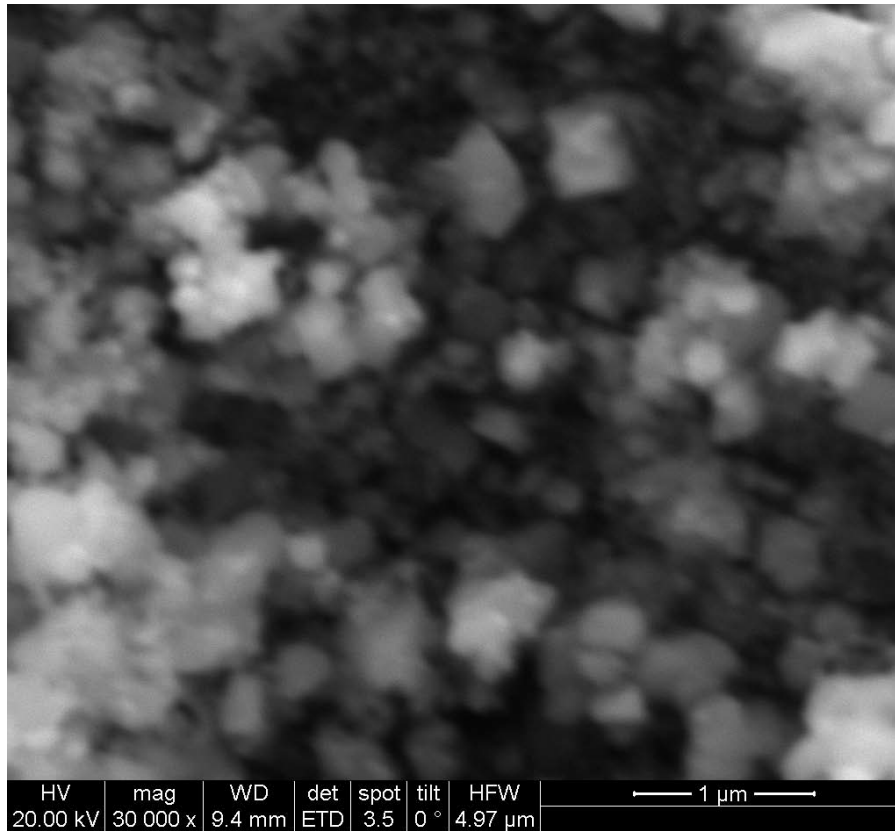
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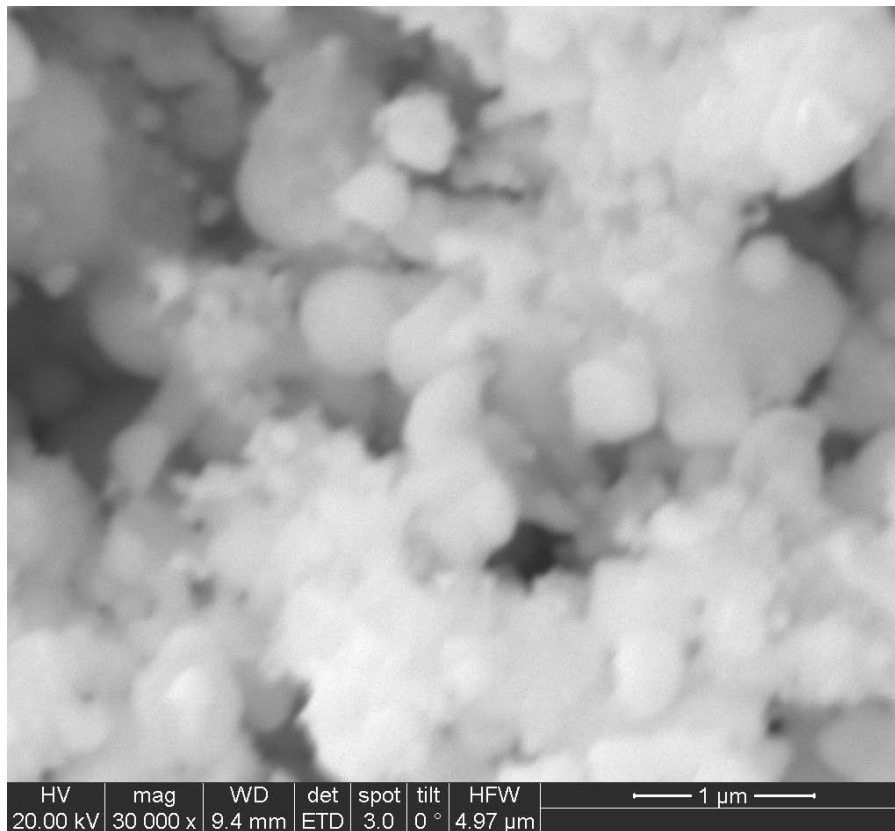
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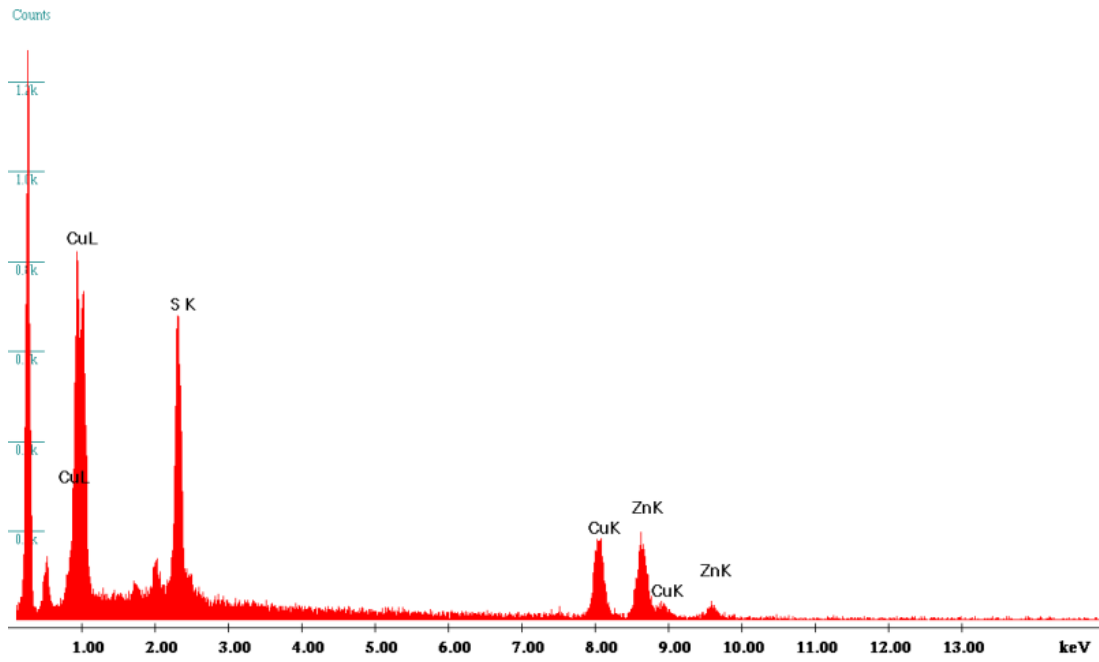
**Fig. S1:** TGA plots of complexes.



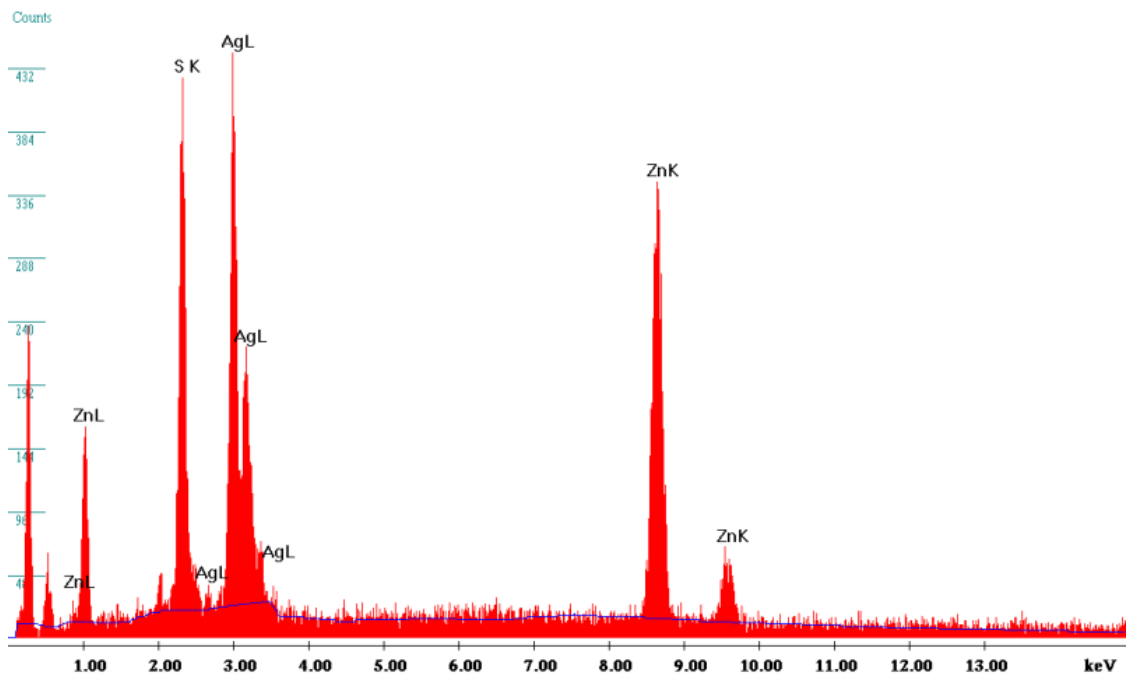
**Fig. S2:** SEM image of ZnS/CuS alloy



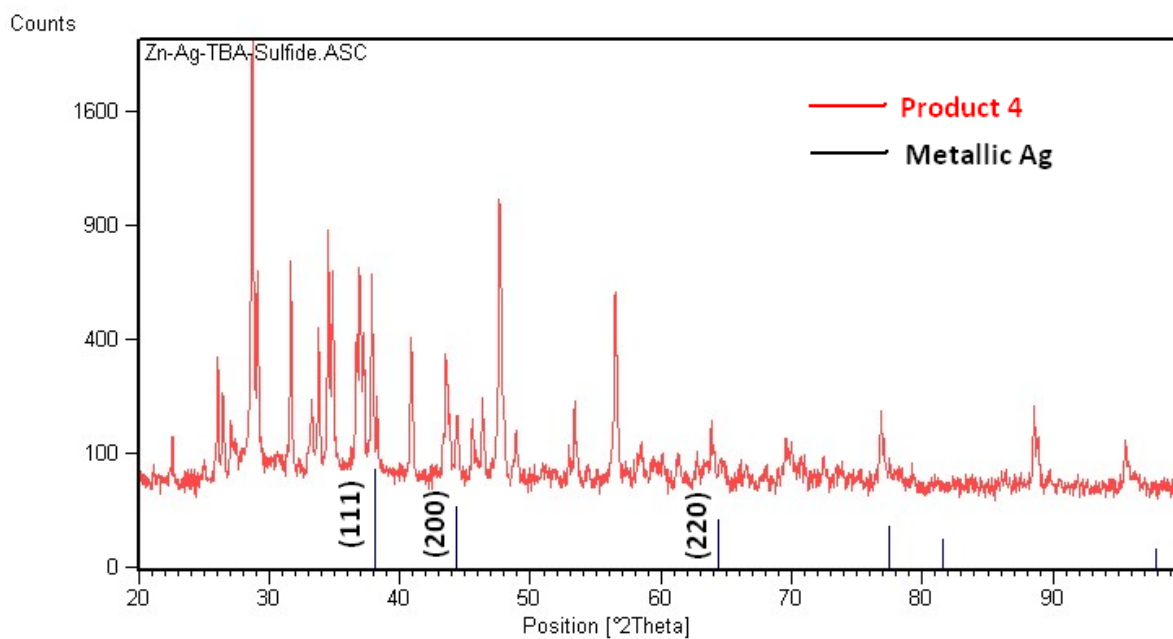
**Fig. S3:** SEM image of ZnSAg<sub>2</sub>S alloy



**Fig. S4:** EDS plot of ZnCuS<sub>2</sub>.



**Fig. S5:** EDS plot of Zn<sub>2</sub>AgS<sub>1.5</sub>.



**Fig. S6.** Powder X-rd pattern of 4 showing the presence of metallic silver along with the ZnS/Ag<sub>2</sub>S alloy.

**Table S1**

<b>Complexes</b>		<b>Elements</b>			
		SK	ZnK	CuK	AgL
<b>3</b>	Wt%	35.14	33.98	30.87	--
	At%	52.15	24.73	23.12	--
<b>4</b>	Wt%	14.85	47.48	--	37.68
	At%	30.10	47.20	--	22.70