Electronic Supplementary Information

A trinuclear Zn(II) Schiff base azido compound: synthesis, structure and exploration of antimicrobial activity

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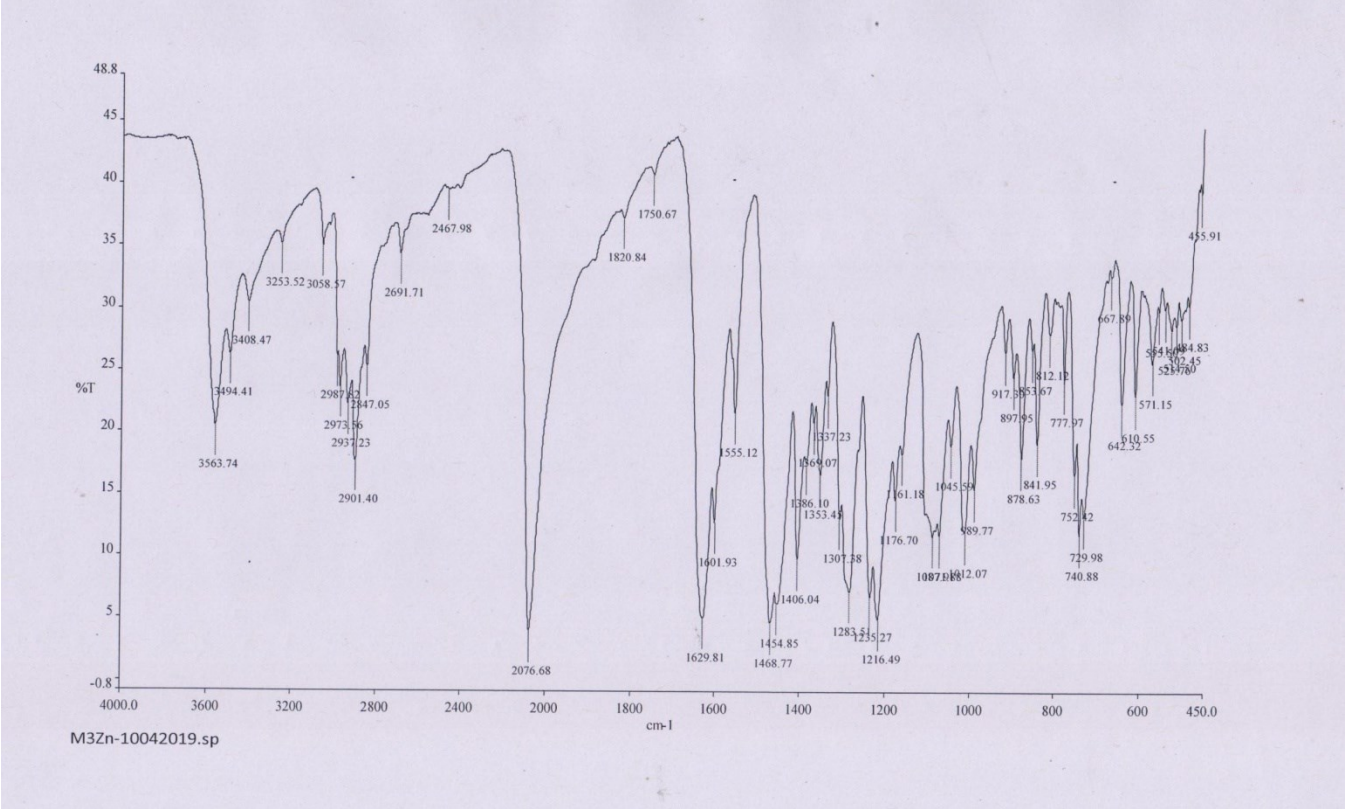

Figure S1: FT-IR spectrum of complex **1**

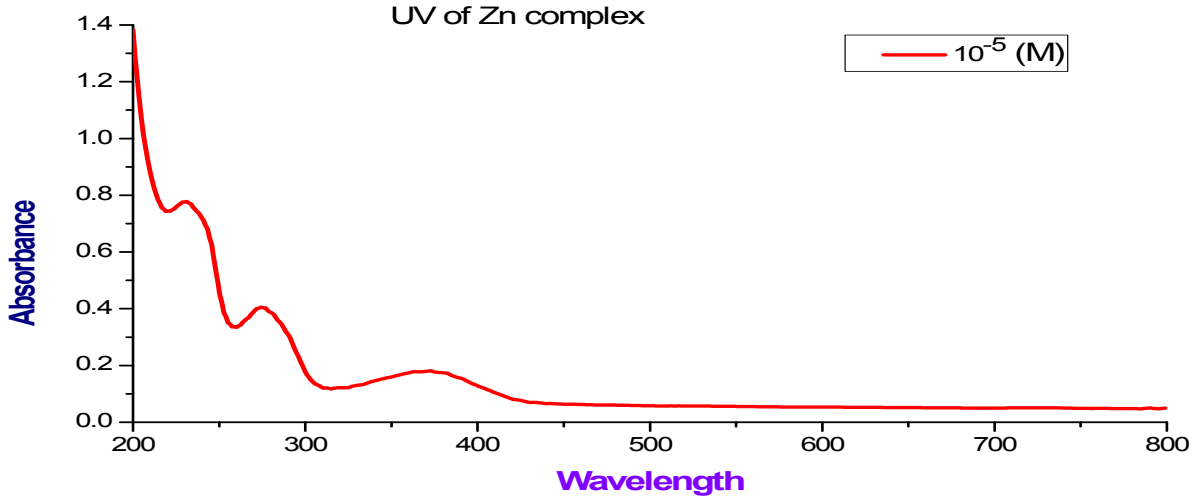

Figure S2: UV-Vis spectrum of complex **1**

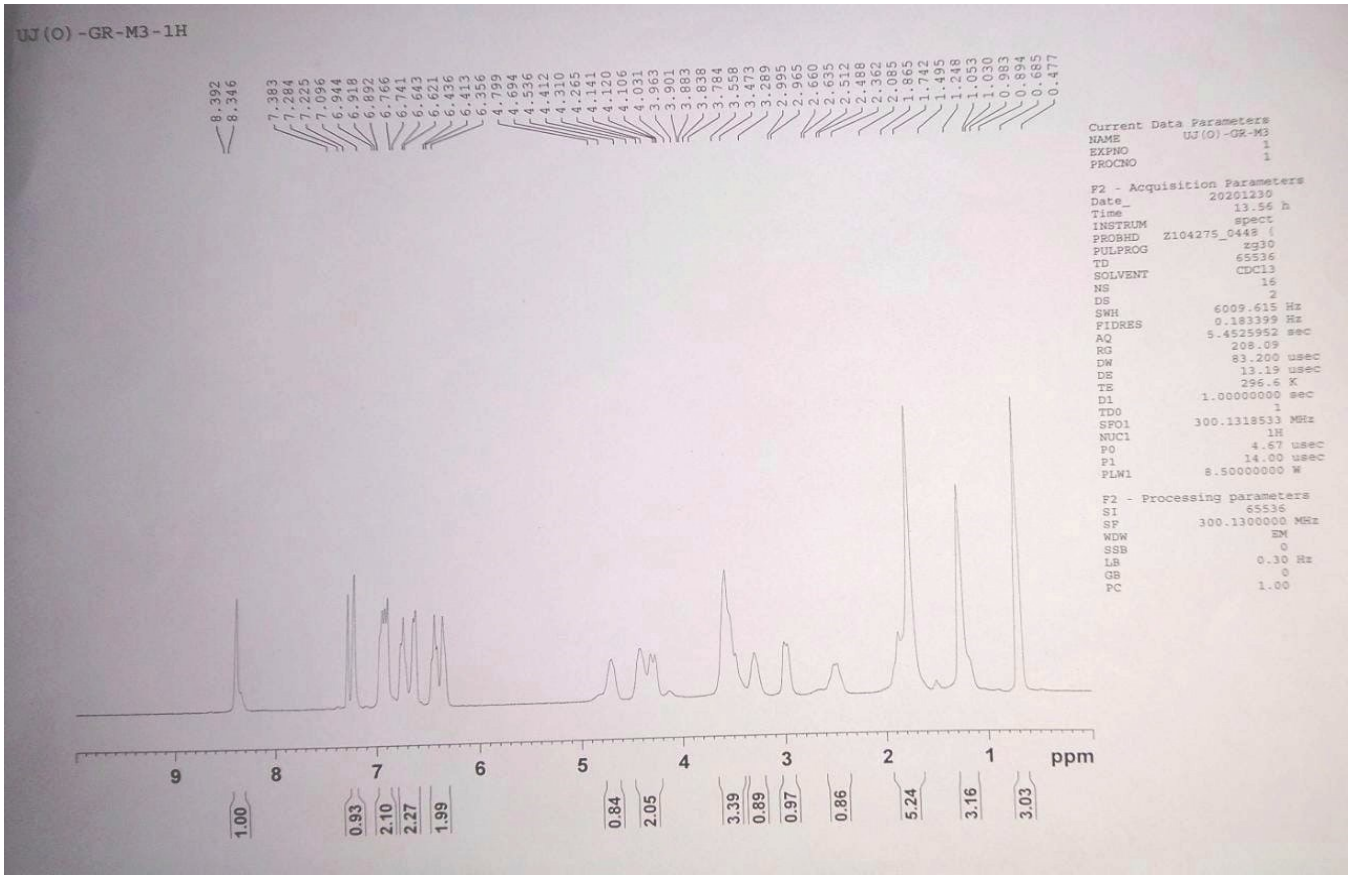

Figure S3: ^{1}H NMR spectrum of complex **1**

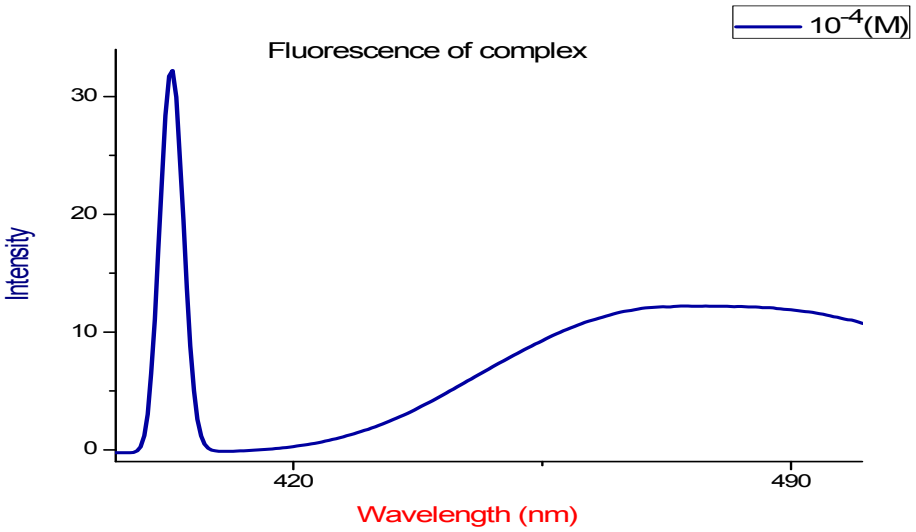

Figure S4: Fluorescence spectrum of complex **1**

Table S1. Hydrogen bond parameters of complex **1**

D – H…A	D–H (Å)	H…A (Å)	D…A (Å)	∠D-H…A (º)	Symmetry
O1W – H1WB ··· N5	0.86(2)	2.31(8)	2.895(9)	126(7)	-
O1W – H1WB ··· O1W	0.86(2)	1.74(6)	2.463(11)	141(9)	-x,y,1/2-z

Table S2. Minimum Inhibitory Concentration (MIC) of the Schiff base ligand only against various Gram-negative and Gram-positive strains using micro-dilution technique (µg/ml)

	Microorganisms	**Description**	**MIC (µg/ml)**
Gram-negative	*Escherichia coli* ATCC 25922	Quality control strain ; Serotype O6	1500
	Pseudomonas aerugnosa ATCC 27853	Quality control strain; opportunistic pathogen for both humans and plants	1500
	Salmonella typhimurium ATCC 14028	Wild-type	1500
Gram-positive	*Staphylococcus aureus* MTCC 96	Methicillin-susceptable *S.aureus* (MSSA)	1500
	Enterococcus faecalis ATCC 29212	Vancomycin susceptible *E. faecalis* (VSE)	1500
	Bacillus subtilis ATCC 27370	M 168; spore forming Bacilli	1500