

NAC coated CdS:Mn/ZnS Treatment($\mu\text{g/ml}$)	Normal Seed	Abnormal Seed	No Germination
0	20 ^d	0 ^a	0
2	16 ^{cd}	4 ^{ab}	0
5	13 ^b	6 ^c	0
10	14 ^{bc}	5 ^c	0
20	16 ^{bc}	5 ^{bc}	0
40	17 ^d	3 ^a	0
60	18 ^d	2 ^a	0
80	17 ^d	2 ^a	0
100	18 ^d	2 ^a	0

Supplementary Table 1. Values are mean of three replicates \pm SD, number in the same column followed by same letter are not significantly different at $P < 0.05$

NAC coated CdS:Mn/ZnS Treatment($\mu\text{g/ml}$)	Germination %	Morphological Characteristics
0	100	Healthy & Normal Growth
2	100	Healthy & Normal Growth
5	100	Healthy & Normal Growth
10	100	Enhanced Root & Hypocotyl Length
20	100	Enhanced Root & Hypocotyl Length
40	100	Enhanced Root & Hypocotyl Length
60	80	Reduced growth & germination, Brown coloration of root tip
80	80	Reduced growth & germination, Brown coloration of root tip
100	70	Reduced growth & germination, Brown coloration of root tip

Supplementary Table 2. Effect of different NAC coated CdS:Mn/ZnS Treatment on germination and morphological characteristics