Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Table S1: Refinement and lattice parameters of K_2NaAlF_6 phosphor.

Parameters	**K_2NaAlF_6 phosphor**
Crystal system	Cubic
Space Group	Fm-3m
V	535.11Å^3
Lattice Parameters	a = 8.1154 Å b = 8.1154 Å c = 8.1154 Å α = 90.00° β = 90.00° γ = 90.00°
R_{exp}	12.83
R_p	10.22
R_{wp}	17.51
χ^2	2.82

Fig. S1: Surface morphology of the coated solar cell with Eu^{3+}- Tb^{3+} activated/ co-activated K_2NaAlF_6 phosphor has been synthesized by low temperature wet chemical method.

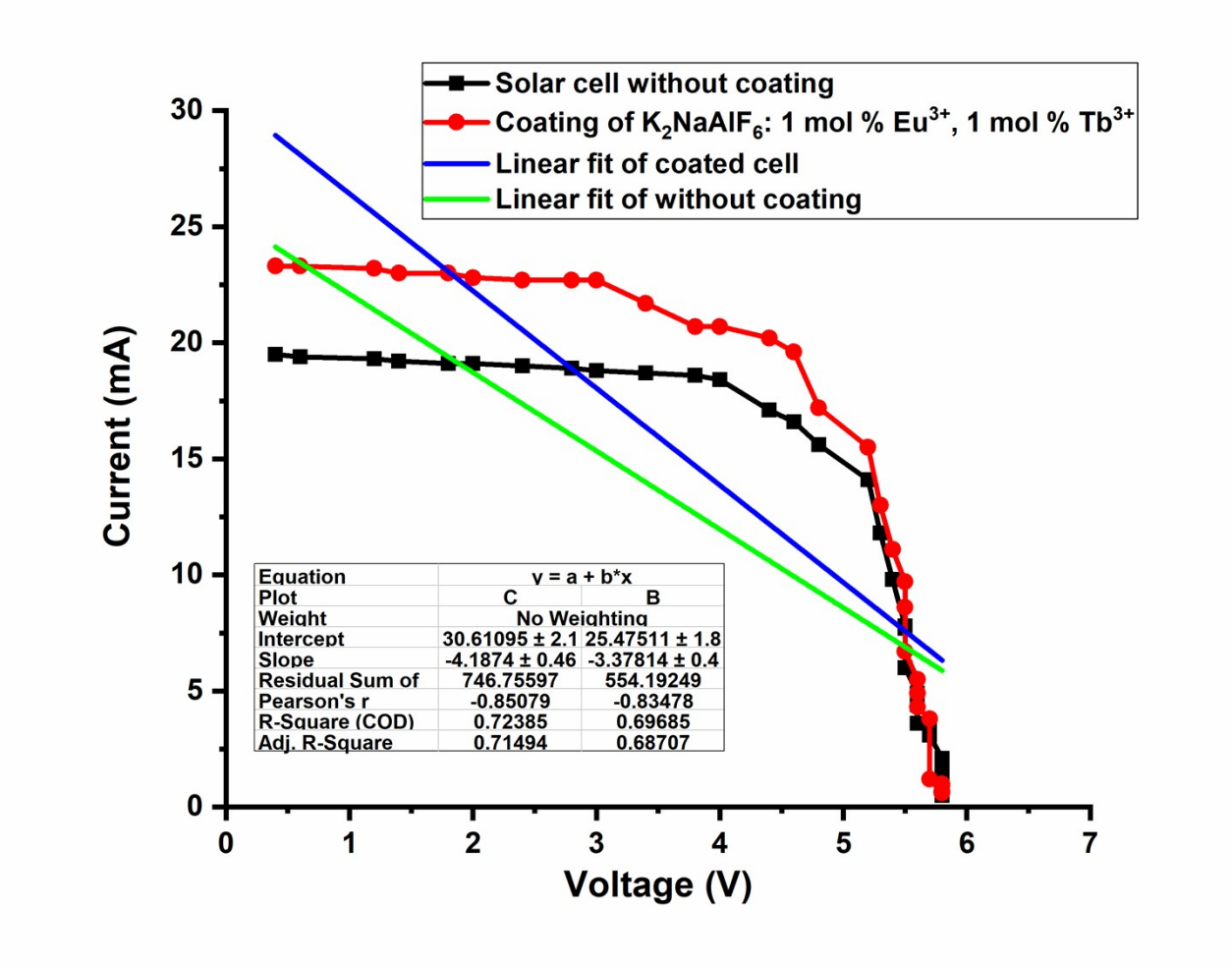

Fig. S2: IV characteristics of Eu^{3+} - Tb^{3+} co-activated K_2NaAlF_6 phosphor under solar simulator.

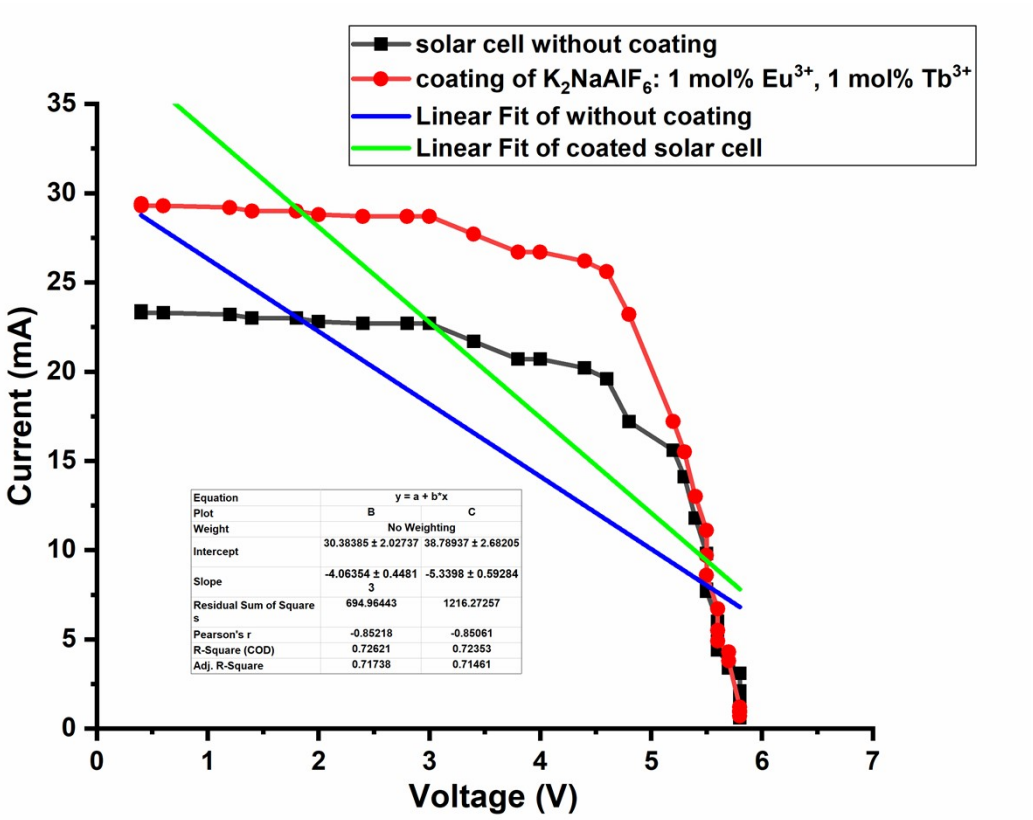

Fig. S3: IV characteristics of Eu^{3+} - Tb^{3+} co-activated K_2NaAlF_6 phosphor under direct sunlight**.**