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Supporting Information

New Journal of Chemistry

Dip coated rapeseed meal composite as a green carrier for light induced controlled release of pesticide

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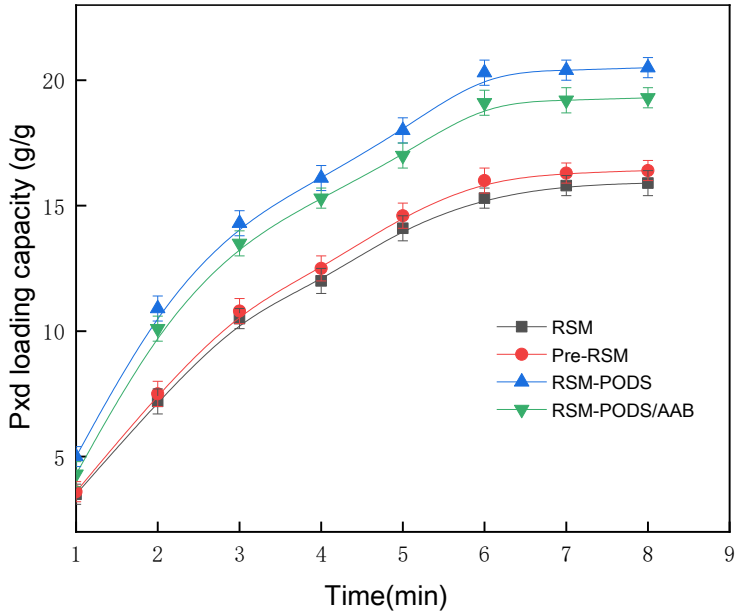

Figure S1. The Pxd loading capacity of RSM, Pre–RSM, RSM–PODS, and RSM–PODS/AAB at different times.

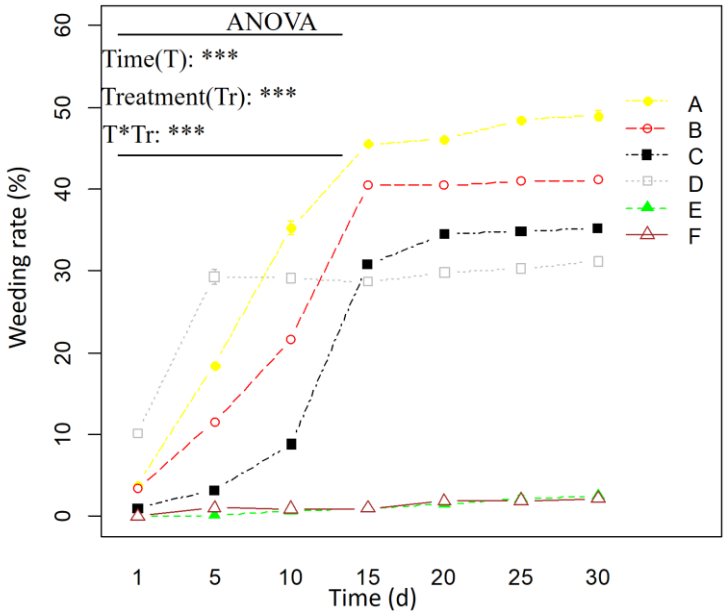

Figure S2. The statistical evaluations of weeding rate of Pxd–loaded RSM–PODS/AAB with different light. (A) RSM–PODS/AAB (UV-vis), (B) RSM–PODS/AAB (sunlight), (C) RSM–PODS/AAB (without light), (D) Pxd, (E) (UV-vis) and (F) sunlight.

Table S1. Atomic concentrations from XPS survey scans.

Sample	RSM	Pre-RSM	RSM-PODS	RSM-PODS/AAB
Si2p	0	0	1.19	1.20
C1s	77.87	77.16	76.93	77.97
N1s	3.1	3.5	3.51	3.27
O1s	19.03	19.34	18.37	17.56

Table S2. DSS of RSM–PODS and RSM–PODS/AAB calculated from %Si.

Sample	% Si	DSS
RSM–PODS	1.19	0.079
RSM–PODS/AAB	1.20	0.078