

Appendix A. Supplementary data

Efficacy of chitin-based water-soluble derivative as an environmental nematicidal candidate in inducing *Paecilomyces lilacinus* against nematode disease (*Meloidogyne incognita*)

Table S 1 The physical and chemical properties of 6-oxychitin

Sample	Water solubility (mg/ml)	Mw (Da)	OD (%)	Carboxylate content(mmol/g)
6-Oxychitin	26.57	2100	16.28	0.974

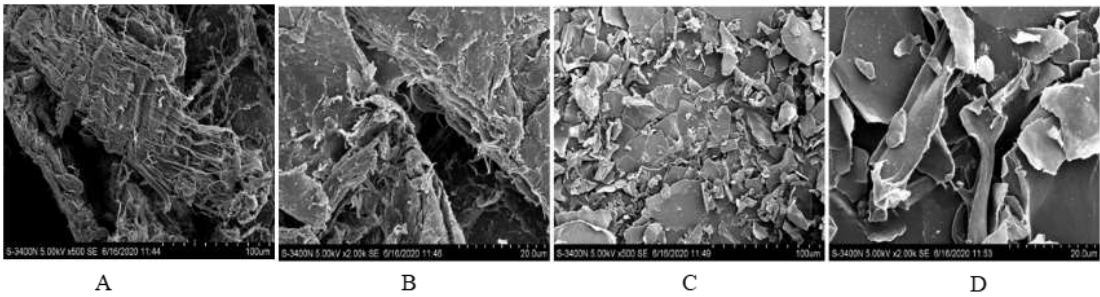


Figure S 1 The morphology of chitin (A、B) and oxidized chitin (C、D) under Scanning Electron Microscope. A and C are at 500 times magnification; B and D are at 2000 times magnification.