

Supplementary Materials

Lignin- Loaded Carbon Nanoparticles: A Promising Control Agent Against *Fusarium verticillioides* in Maize: Physiological and Biochemical analyses

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Supplementary material S1: Schematic representation for the synthesis of lignin loaded carbon nanoparticles and their functional use in controlling *Fusarium verticillioides* in Maize

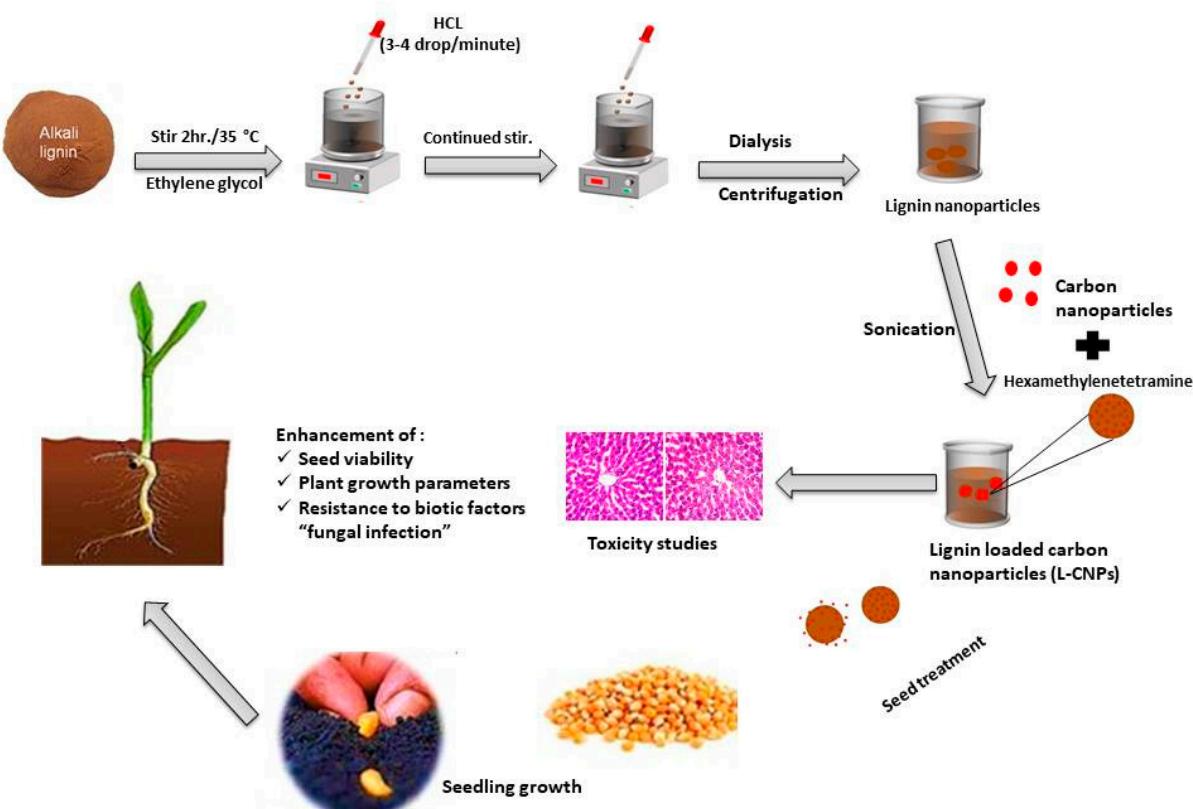
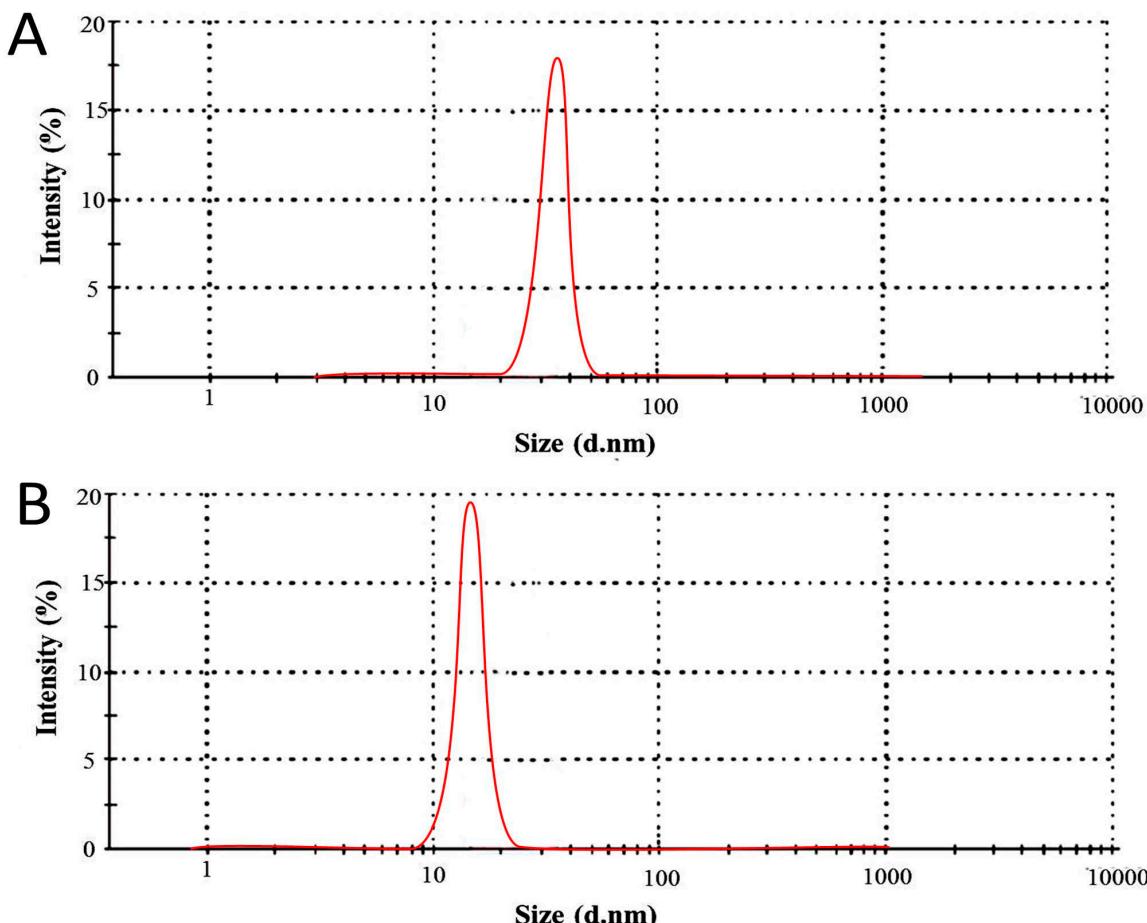


Figure S2. Dynamic light scattering (DLS) analysis of : (A) Lignin nanoparticles (L-NPs) at particle size (39.4 ± 2.1 nm), and (B) Carbon nanoparticles (C-NPs) at particle size (15.3 ± 4.5 nm).



Supplementary material S3. Partial sequences of 5.8S ribosomal RNA, complete sequences of internal transcribed spacer 2, and partial sequences of large subunit ribosomal RNA gene for the *Fusarium verticillioides* isolate.

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>OP870085.1 Fusarium verticillioides isolate ARC2 small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence
>Seq1
CTCCGTAGGTGAACCTGCGGAGGGATCATTACCGAGTTACAACCTCCAAACCCCTGTGAACATACCAAT
TGGTGCCTCGCGGATCAGGCCGCTCCGGTAAAACGGGACGGCCGCCAGAGGACCCCTAAACTCTGTT
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CAGCTTGGTGTGGGACTCGCGAGTCAAATCGCGTCCCCAATTGATTGGCGGTACGTCGAGCTTCCA
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