

Supplementary Material

Green synthesized selenium doped zinc oxide nano-antibiotic: Synthesis, characterization and evaluation of antimicrobial, nanotoxicity and teratogenicity potential

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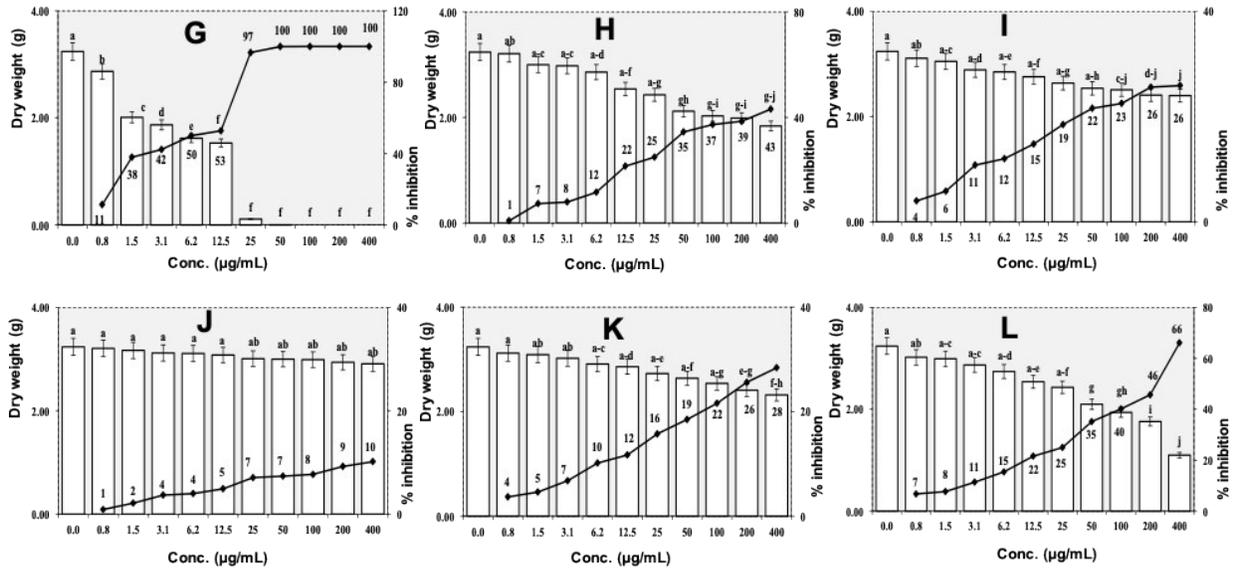


Figure S1: The growth inhibitory (%) effect of MRSA (right y-axis) and dried weight reduction (%) of MRSA (left Y-axis) against different concentrations (400-0.8 µg mL⁻¹) of various treatments after 24 h of incubation. Where A) Se-ZnO-NAB, B) Ciprofloxacin, C) Gentamycin, D) Ceftriaxone, E) Ampicillin and F) Vancomycin. The results are presented as standard errors of means (SEM) of three replicates. Values with different letters at their top show a significant difference ($p \leq 0.01$) as determined by least significance difference (LSD) Test.

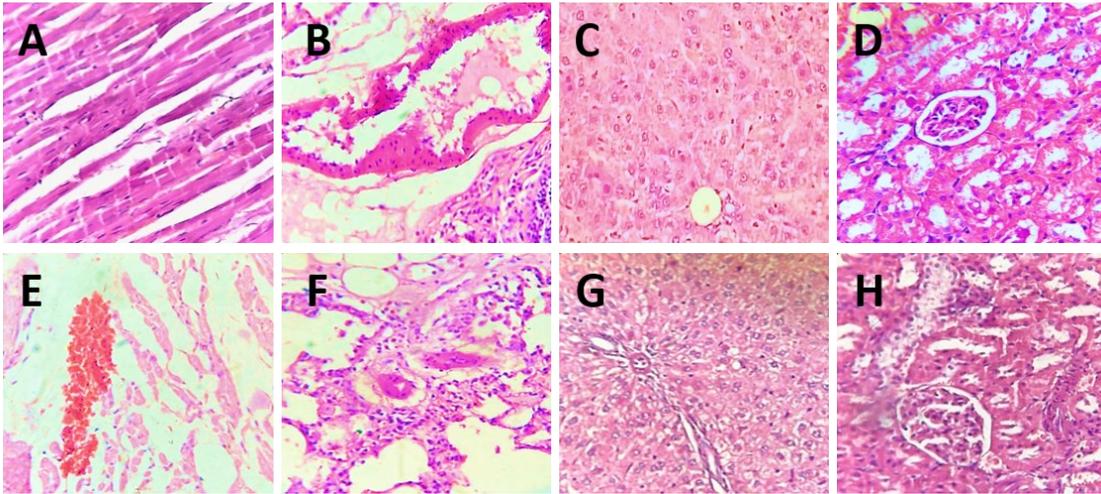


Figure S2: Histopathological analysis of pregnant dams (teratogenic study) (A) heart of control group, (B) lungs of control group, (C) liver of control group, (D) kidney of control group, whereas, (E) heart of control group, (F) lungs of control group, (G) liver of control group, (H) kidney of control group. The images were taken at 100 x optical zoom.

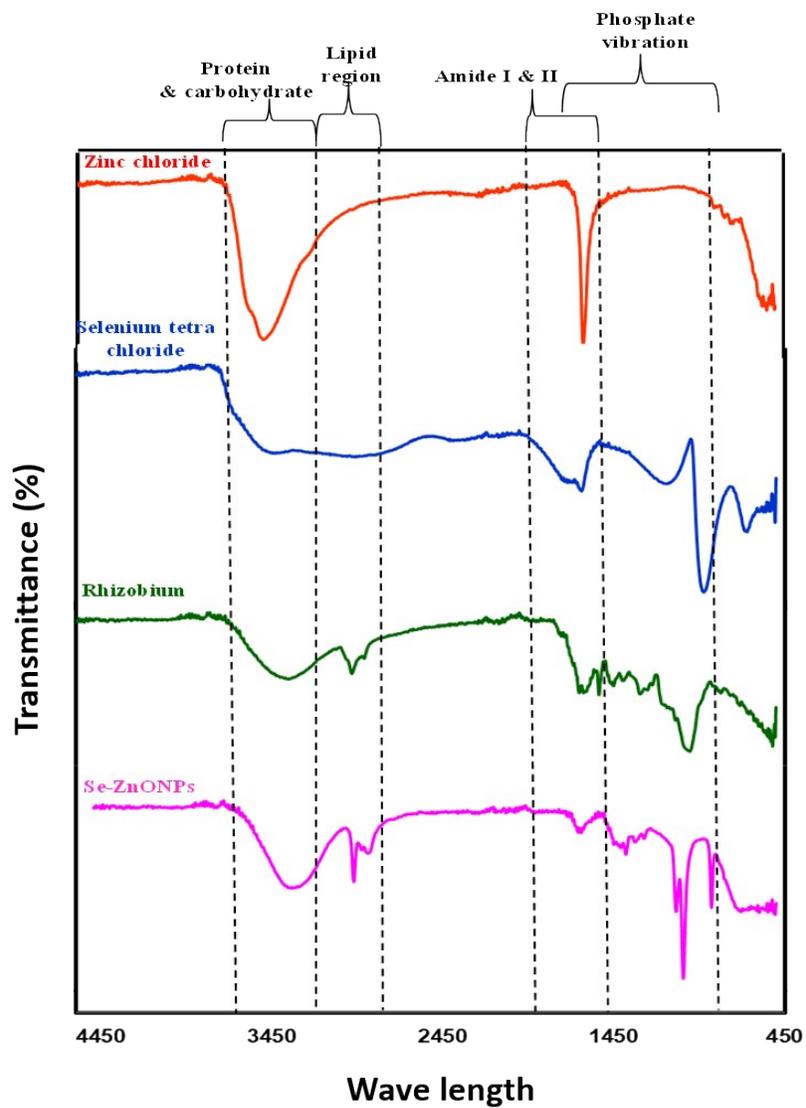


Figure S3: Fourier transformed infrared (FTIR) spectrograph showing characteristic peaks of zinc chloride, selenium tetrachloride, *Curcuma longa* extract and Se-ZnO-NAB.