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Composite Biosolid Samples; 4.3.1 Sample Description; 4.3.2 Normalized Metal Concentrations in Biosolids; 4.3.3 Partitioning of Metals from Sewage into Biomass; 4.4 Occurrence of ENMs in Biosolids from the 2001 EPA NSSS; 4.4.1 Identification of Metallic Particles in Biosolids by SEM/EDX; 4.4.2 Occurrence of Nano Titanium Dioxide Particles in Biosolids by TEM/EDX
4.4.3 Mixed Metal Precipitate by SEM-Element Mapping4.4.4 The Probability to Locate Metallic Particles in Biosolids by Electron Microscopy; 4.5 Change of ENMs in Biosolids Incineration; 4.6 Summary; Chapter 5.0: Occurrence and Impacts of ENMs in Biosolids Amended Soils; 5.1 Metal Accumulation Survey and Occurrence of Metallic ENMs in Biosolids Amended Soils; 5.1.1 The Accumulation of Selected Metals in Biosolids Amended Soils; 5.1.2 Metal Profiles in Different Depth of Soils; 5.1.3 Nanoparticle Related Metal Profiles in Biosolids Amended Soils (Austin, TX)
5.1.4 The Potential Highest Concentrations of ENMs in Soils5.1.5 The Presence of Titanium Dioxide Nanoparticles and Micro Particles in TX Soil; 5.2 Effects of ENMs on Basal Respiration in Soils; 5.3 Effects of ENMs on SIR in Soils; 5.4 Summary; Chapter 6.0: Summary, Conclusions, and Recommendations; 6.1 Summary and Conclusions; 6.1.1 Absorption of ENM to Wastewater Biomass; 6.1.2 Occurrence of ENMs in Wastewater Effluent and Biosolids; 6.1.3 Occurrence and Impacts of ENMs in Biosolids Amended Soils; 6.2 Recommendation for Future Research; References

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