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## Molecular Dynamics Study of Electrolytic Manganese Dioxide (EMD)

The EMD is an intergrowth of pyrolusite and ramsdellite-MnO<sub>2</sub> polymorphs. Amorphization and recrystallization technique has been used to generate MnO<sub>2</sub> structures and study their structural properties. The simulation methodology involves allowing an amorphous transition, enabling various structural modifications to evolve during simulation in response to lattice misfit and underlying support.

**Primary author:** Dr MAPHANGA, Rapela (University of Limpopo)

**Presenter:** Dr MAPHANGA, Rapela (University of Limpopo)

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