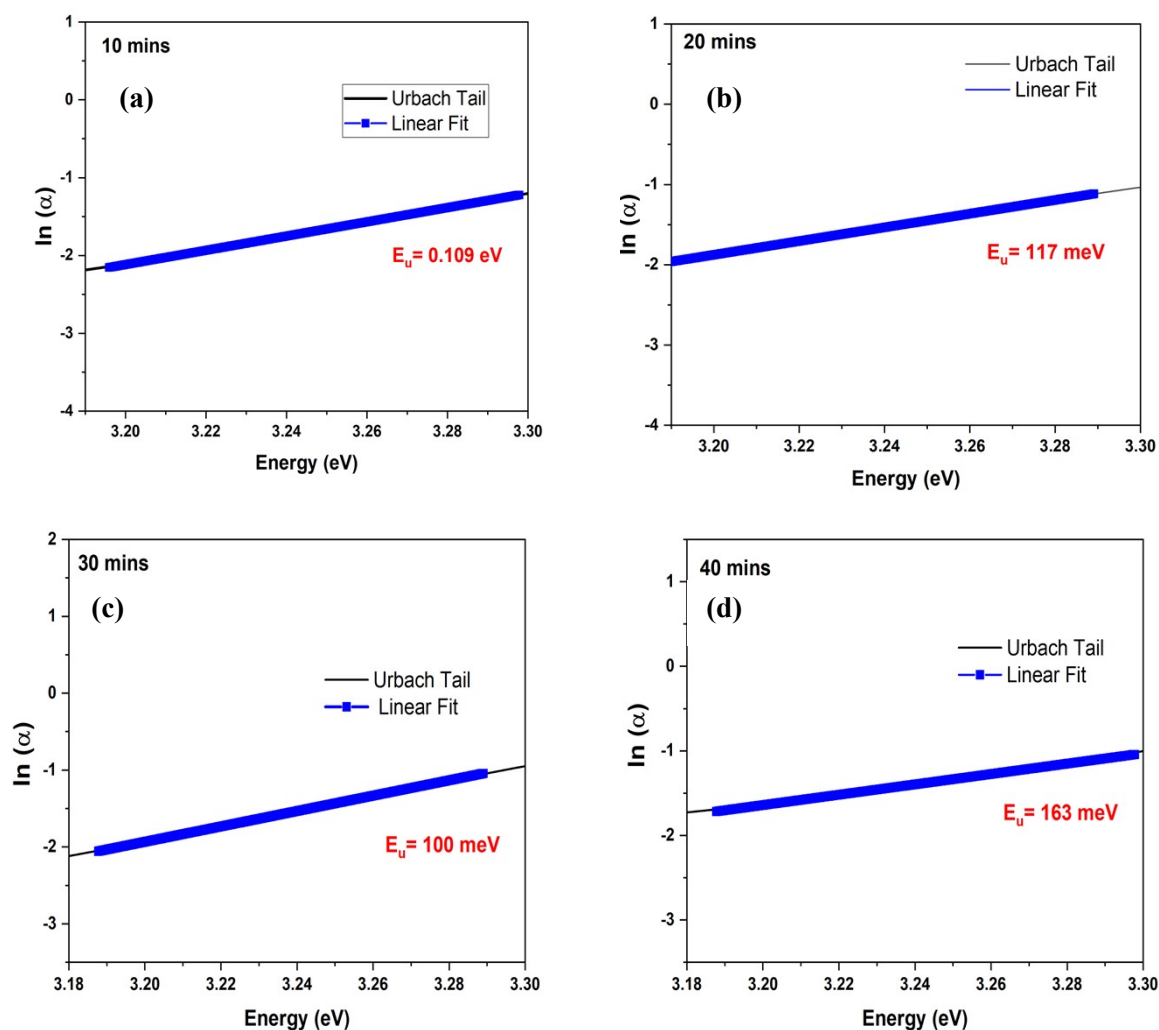


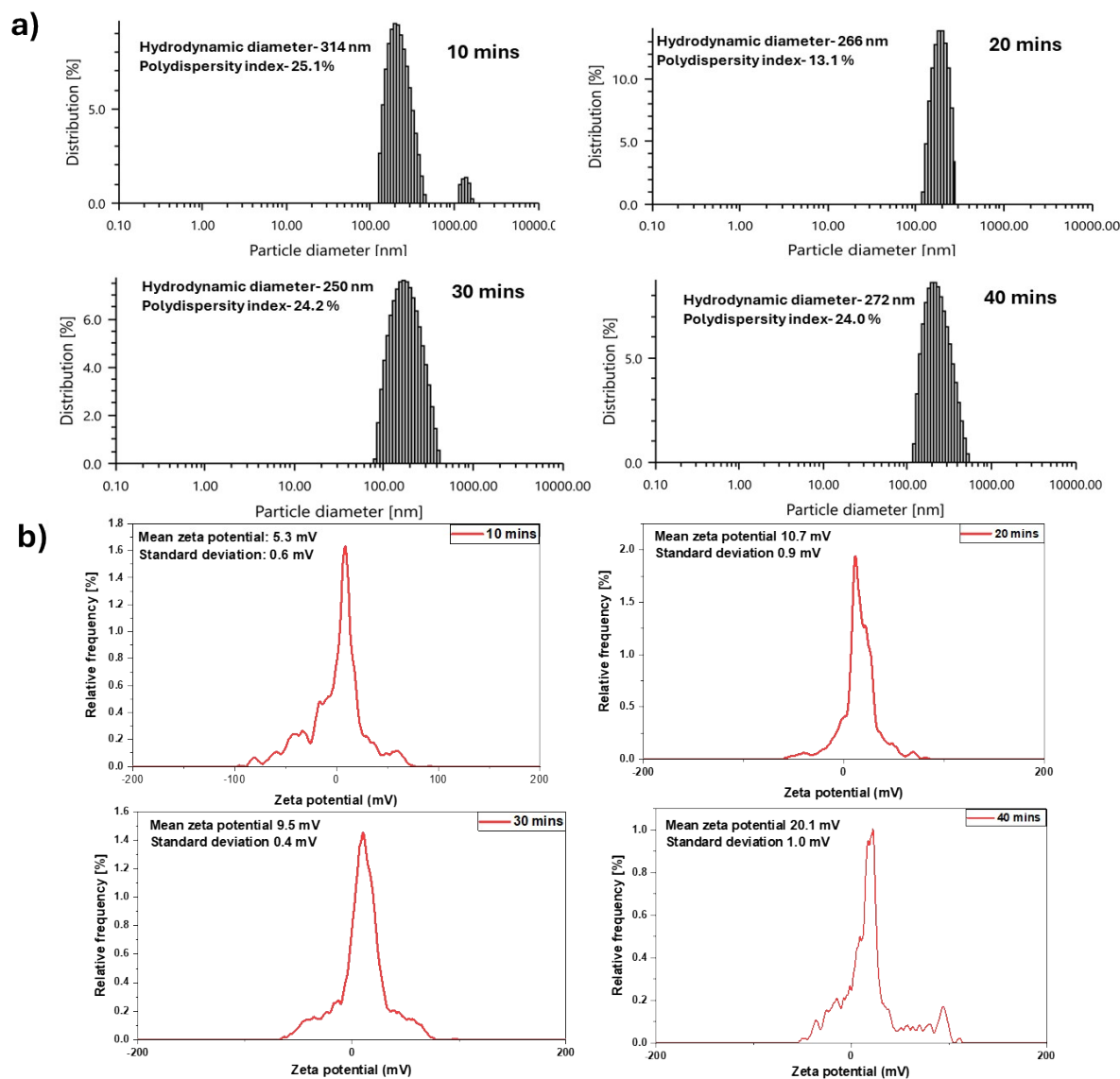
## Rapid Route to Perovskites: Barium Titanate Nanoparticles via Microwave assisted solvothermal Synthesis

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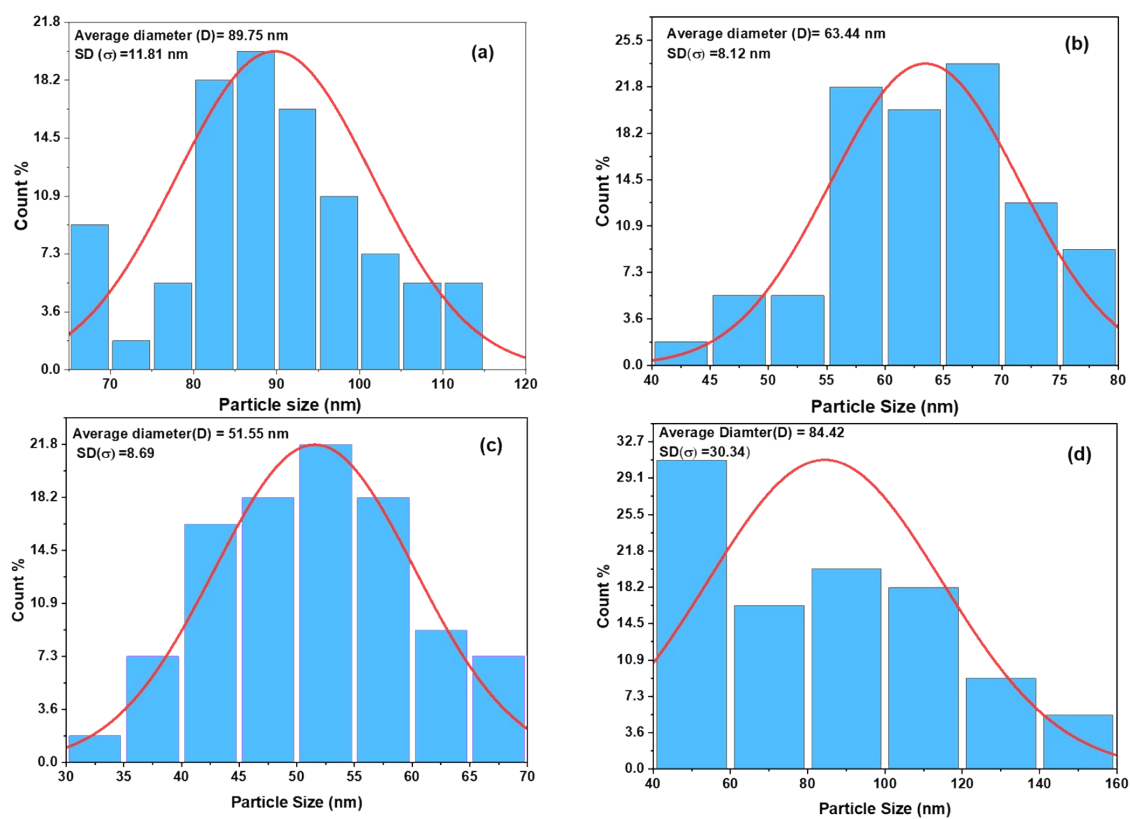
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**Figure S1:** Urbach tail plot for samples at different intervals a)10 minutes b)20 minutes, c)30 minutes and d) 40 minutes



**Figure S2:** a) Particle size and b) zeta potential of barium titanate synthesized at different time intervals.



**Figure S3:** Size distribution of the fabricated nanomaterials a)10 minutes b)20 minutes c)30 minutes and d) 40 minutes