Title (11)	:	**Effect of microwave irradiation time on ZnO nanoparticles: Enhance the catalytic activity toward phenol degradation**
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Abstract	:	The combined electrochemical-microwave approach was used to successfully create ZnO nanoparticle catalysts. The performance and catalytic activity behaviour may be enhanced by ZnO's good shape and full production within 15 minutes of microwave radiation. The outcome demonstrates that, within 60 minutes of the experiment, the photocatalytic reaction of the ZnO catalyst gave the greatest photodegradation of phenol at 96%. So, a straightforward catalyst creation approach may offer a new tool for catalyst synthesis, which could then be used to the water treatment process.