

**Synthesis and characterization of metallic nanoparticles
with photoactivated surface chemistries**

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partial fulfillment of the requirements for the degree of

Master of Science

In

Chemical Engineering

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Metallic nanoparticles, gold nanorods, gold nanospheres, silver nanospheres
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PEG (poly ethylene glycol), surface plasmon resonance, UV-Vis absorbance,
TEM (transmission electron microscopy)

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