



Faculty of Science
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A study on the phytochemical Analysis, Gold Nanoparticles Synthesis using some Wild Plant Extracts and Its Biological Activity

Presented by
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Synthesis using some Wild Plant Extracts and Its
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For

The Degree of Doctor of Philosophy of Science
(Chemistry)

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

فَأَمَّا الزَّبَدُ فَيَذْهَبُ جُفَاءً وَأَمَّا مَا
يَنْفَعُ النَّاسَ فَيَمْكُتُ فِي الْأَرْضِ

صَدَقَ اللَّهُ الْعَظِيمُ

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✍️ Nadia Ahmed Soliman ALi

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List of Abbreviations

AuNPs	: Gold nanoparticles
AgNPs	: Silver nanoparticles
DLS	: Dynamic Light Scattering
FTIR	: Fourier transform infra-red spectroscopy
FT-IR	: Fourier Transform Infrared
FWHM	: Full width at half maximum
FWHM	: Full width at half maximum
SPR	: Surface plasmon resonance
TEM	: Transmission electron microscopy
TGA	: Thermo gravimetric analysis
HePG2	: Hepatocellular carcinoma
HCT-116	: Colon carcinoma
MIC	: Minimal inhibitory concentration

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