



**Al-Azhar University**  
**Faculty of Science**  
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**Biotechnological studies on stevia (*Stevia rebaudiana* Bertoni)**

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In  
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***Mohamed Abd EL-Motaleb Shahin***

## **DEDICATION**

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## LIST OF SYMBOLS AND ABBREVIATIONS

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Abbreviation	Expression
<b>A</b>	Adenine
<b>AC</b>	Activated charcoal
<b>AdSO<sub>4</sub></b>	Adenine sulphate
<b>AUFS</b>	Absorbance units full scale
<b>BA</b>	Benzyl adenine
<b>BDS</b>	base deactivated silica
<b>C</b>	Cytosine
<b>°C</b>	Celsius degree (degree centigrade)
<b>CH<sub>2</sub> Cl<sub>2</sub></b>	Dichloromethane
<b>cm</b>	Centimeter
<b>CTAB</b>	Cetyltrimethyl ammonium bromide
<b>ddH<sub>2</sub>O</b>	Double distilled water
<b>2,4-D</b>	Dichlorophenoxy acetic acid
<b>DNA</b>	Deoxyribonucleic acid
<b>dNTPs</b>	Deoxyribonucleotide triphosphate
<b>dw</b>	Dry weight
<b>EDTA</b>	ethylenediaminetetraacetic acid
<b>EtOH</b>	Ethanol
<b>EUSTAS</b>	European <i>Stevia</i> Association
<b>G</b>	Guanine

## LIST OF SYMBOLS AND ABBREVIATIONS

<b>g</b>	Gram
<b>GA<sub>3</sub></b>	Gibberillic acid
<b>GC</b>	Gas chromatography
<b>GC–MS</b>	Gas chromatography–mass spectrometry, a chemical analysis technique
<b>gdw</b>	Gram dry weight
<b>GGPP</b>	Geranylgeranyl diphosphate
<b>HPLC</b>	High Performance (Pressure) Liquid Chromatography
<b>IAA</b>	Indole-3-acetic acid
<b>IBA</b>	Indol-3-butyric acid
<b>2iP</b>	N6– (2- isopentyl) adenine
<b>IPP</b>	Isopentyl diphosphate
<b>JECFA</b>	Joint FAO/WHO Expert Committee on Food Additives
<b>Kin</b>	Kinetin
<b>KPa</b>	kilobar
<b>L</b>	Liter
<b>LLOD</b>	Lower Limit Of Detection
<b>Lux.</b>	Unit of light intensity
<b>M</b>	Molarity
<b>mg</b>	Milligram