

**"KINETICS AND MECHANISM OF THE ELECTRON-  
TRANSFER REACTIONS OF BINARY AND TERNARY  
COMPLEXES OF COBALT(II) INVOLVING N-(2-  
ACETAMIDO) IMINO-DIACETATE AND SOME  
ALIPHATIC DICARBOXYLATE"**

Presented by

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REACTIONS OF BINARY AND TERNARY COMPLEXES OF  
COBALT(II) INVOLVING N-(2-ACETAMIDO) IMINO-DIACETATE  
AND SOME ALIPHATIC DICARBOXYLATE”

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**Mohammed Ali M. Nagdy**

*DEDICATED*

*To*

*MY PARENTS*

*MY WIFE*

*MY DAUGHTERS (ALLIA, ALLA)*

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## ***ABBREVIATIONS***

<b>H<sub>2</sub>ADA</b>	<i>N</i> -(2-Acetamido)imino- diacetic acid
<b>EDTA</b>	Ethylene diamin tetraacetate
<b>HEDTA</b>	<i>N</i> -(2-hydroxyethyl) Ethylenediamintetraacetate
<b>EDDA</b>	Ethylenediamindiacetate
<b>nta</b>	Nitrilotriacetic acid
<b>NBS</b>	<i>N</i> - bromosuccinimide
<b>M</b>	M = Malonic acid
<b>Su</b>	Su = Succinic acid
<b>Ma</b>	Ma = Maleic acid
<b>T</b>	T = Tartaric acid
<b>bz</b>	bz = benzoic acid
<b>Adp</b>	Adp= Adipic acid

<b>Glu</b>	Glu= Glutaric acid
<b>TOH</b>	<i>N</i> -(2-hydroxyethyl)ethylenediamin- <i>N,N,N</i> -triacetate
<b>IDA</b>	Imino diacetic acid
<b>MBTH</b>	3-methyl 2-benzothiazolinone hydrazone hydrochloride
<b>PDTA</b>	Propylene – diamine tetra acetate
<b>HPDTA</b>	1,3 – diamino -2 - hydroxy propane tetra acetate
<b>TMDTA</b>	Trimethylene diamine tetra acetate
<b>EGTA</b>	Ethylene glycol, bis ( 2- aminoethyl ) ether, <i>N,N,N,N</i> -tetra acetate

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