

بسم الله الرحمن الرحيم



HOSSAM MAGHRABY



شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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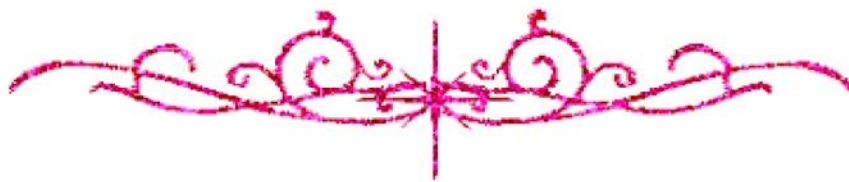
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بعض الوثائق الأصلية تالفة



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بالرسالة صفحات

لم ترد بالأصل



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THE COORDINATION CHEMISTRY OF SOME POLYAZINE DERIVATIVES

THESIS

Submitted in Partial Fulfillment of M.Sc. Degree in Chemistry

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Note

Besides the work done in this thesis, the candidate has attended post-graduate courses for one year in analytical and inorganic chemistry including the following topics:-

- Advanced instrumental chemical analysis.
- Advanced chromatographic and separation.
- Advanced electrochemistry and electroanalytical chemistry.
- Inorganic reaction mechanisms.
- Group theory and computer applications in chemistry.
- Molecular spectroscopy.
- Bioinorganic chemistry.
- Organometallic chemistry.
- English language.

He Has successfully passed a written examination in these topics

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Hossam El Deen H. Abdalla

List of Abbreviations

dpq	2,3-bis(2'-pyridyl)quinoxaline
dpp	2,3-bis(2'-pyridyl)pyrazine
dpy	2,2'-dipyridine
py	pyridine
Cl₂dpq	6,7-dichloro-2,3-bis(2'-pyridyl)quinoxaline
dmdpq	6,7-dimethyl-2,3-bis(2'-pyridyl)quinoxaline
pq	2-(2'-pyridyl)quinoxaline
mdpq	5-methyl-2,3-bis(2'-pyridyl)quinoxaline
dpb	2,3-bis(2'-pyridyl)benzoquinoxaline
hfacac	hexafluoroacetylacetone
tpy	2,2':6',2''-terpyridine
vdpy	4-vinyl-4'-methyl-2,2'-dipyridine
dhq	2,3-dihydroxyquinoxaline
DMSO	dimethylsulfoxide
TMS	tetramethylsilane
IR	Infrared
NMR	Nuclear Magnetic Resonance
DMF	dimethylformamide
CQ	chrysenequinone
ESR	Electronic Spin Resonance

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