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شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم



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شبكة المعلومات الجامعية



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



سامية محمد مصطفى



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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بالرسالة صفحات لم ترد بالأصل



ESTIMATION OF SOME TUMOR MARKERS IN VIRAL HEPATITIS

Thesis

Submitted in Partial Fulfillment
For the **Master Degree of Science**

By

Hanan Abd El Bdee Ahmad Farag

B.Sc.(Chemistry)
Zagazig University, 1990 .

SUPERVISORS

Prof. Dr.

Besher Byomy
Prof. of Organic Chemistry
Faculty of Science
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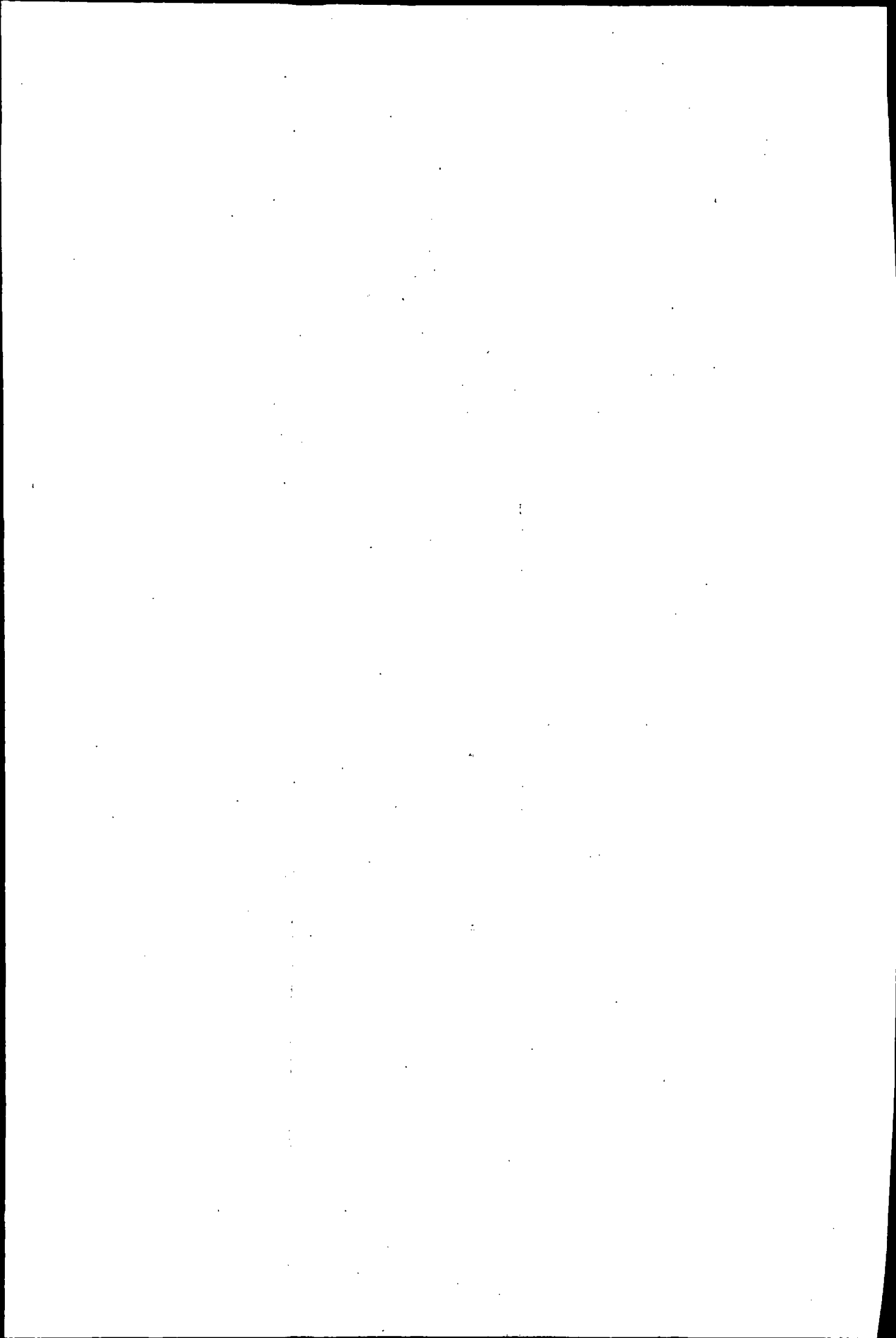
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1995

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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ABBREVIATIONS

HAV	: Hepatitis A virus
HBV	: Hepatitis B virus
HCV	: Hepatitis C virus
HDV	: Hepatitis D virus
HEV	: Hepatitis E virus
NANB	: non- A , non- B hepatitis
AFP	: Alpha- feto protein
HCC	: Hepatocellular carcinoma
HBsAg	: Hepatitis B surface antigen
CEA	: Carcinoembryonic antigen
HBcAg	: Hepatitis B core antigen
HBeAg	: Hepatitis B e antigen
AST	: Aspartate Aminotransferase
ALT	: Alanine Aminotransferase
ALP	: Alkaline phosphatase
AH- B	: Acute hepatitis B
M	: Mole
Min	: Minute

hr : hour

U : Unit

L : Liter

mg : Milligram

gm : gram

dL : deciliter

mmol : Millimole

ng : Nanogram

μ L : Microliter

nm : nanometer

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