بسم الله الرحمن الرحيم

قالوا

سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا
إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

صدق الله العظيم

سورة البقرة آية ٣٢

Biochemical Studies on Some Brown Algae in the Red Sea

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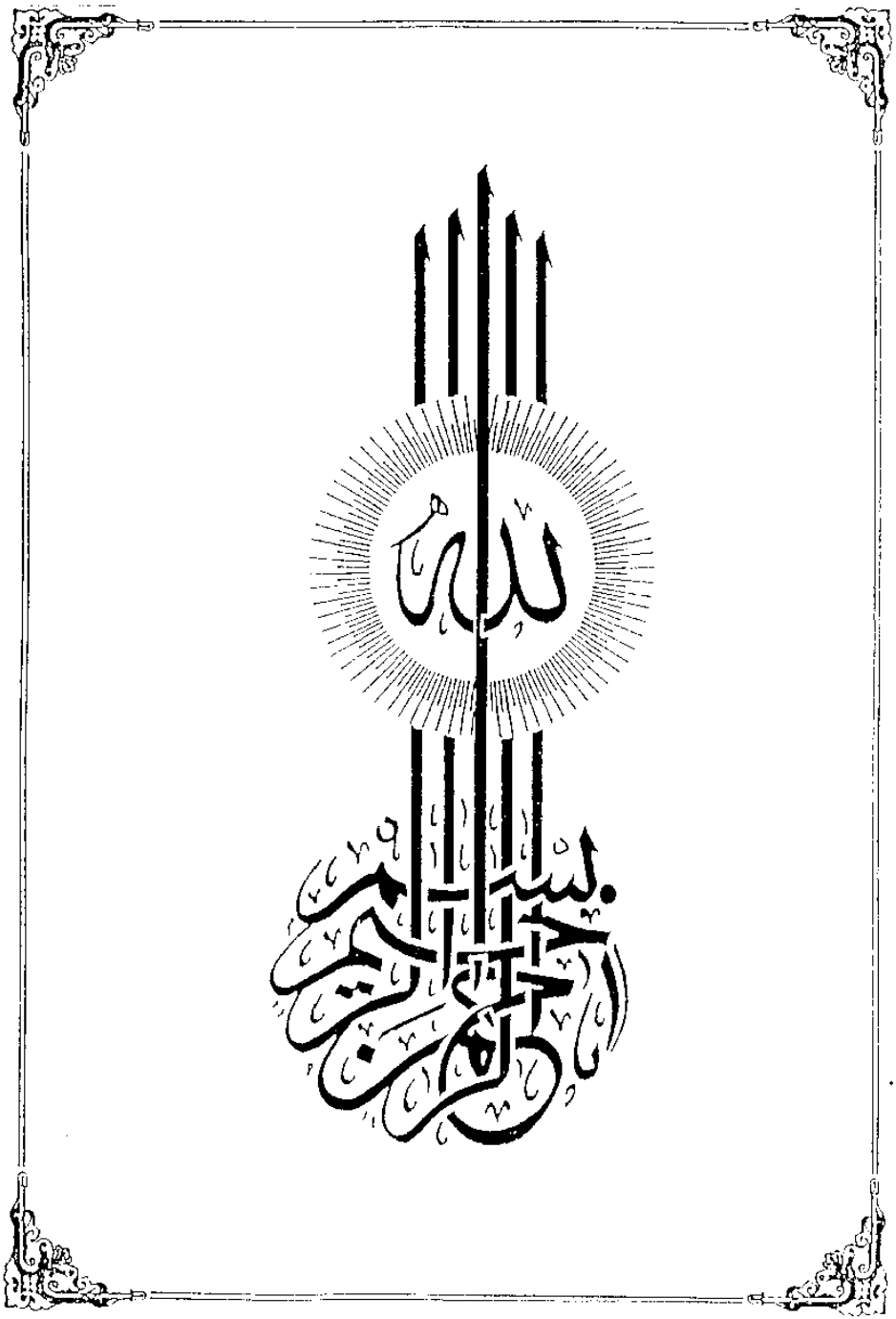
٩٦/٢/١٤ .



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I am greatly indebted to National Research Centre for the financial support and facilities that enabled me to carry out this work

Hassan Abdel Zahir Mohamed
1994

To My Parents .
To My Wife .
And To My Daughter
(ZAINAB) .

بسم الله الرحمن الرحيم

قالوا

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Abstract

The chemical composition of each of the local brown algae :- *Cystoseira trinode, Sargassum linifolium, Turbinaria decurrens* and *Padina pavonia* was investigated during the four seasons of the year . Many products of fucose-containing polysaccharide materials were isolated from these algal species and then examined for their anticoagulation, antitumour and fibrinolytic activities . The polysaccharide material obtained from *S. linifolium* (collected in January) appeared as the most biologically active product. Accordingly, it was the target of a specific study aiming at the elucidation of its structural features .

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