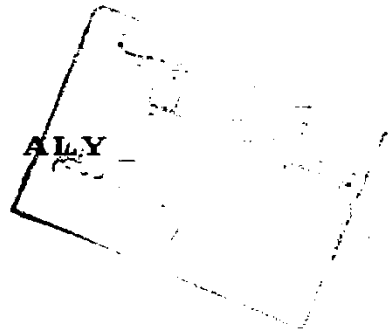
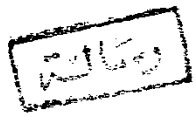
EFFECT OF SOME CHEMICAL TREATMENTS ON IRON CHLOROSIS RECOVERY

By

SAMIR SAAD MOHAMED ALY





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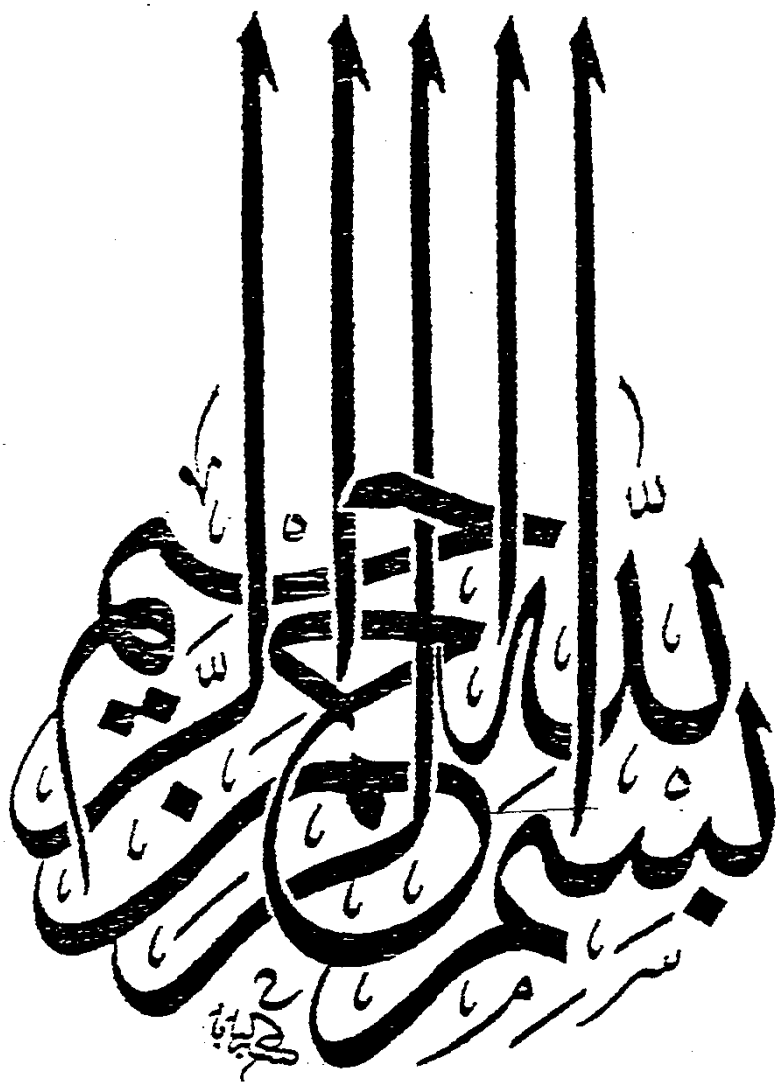

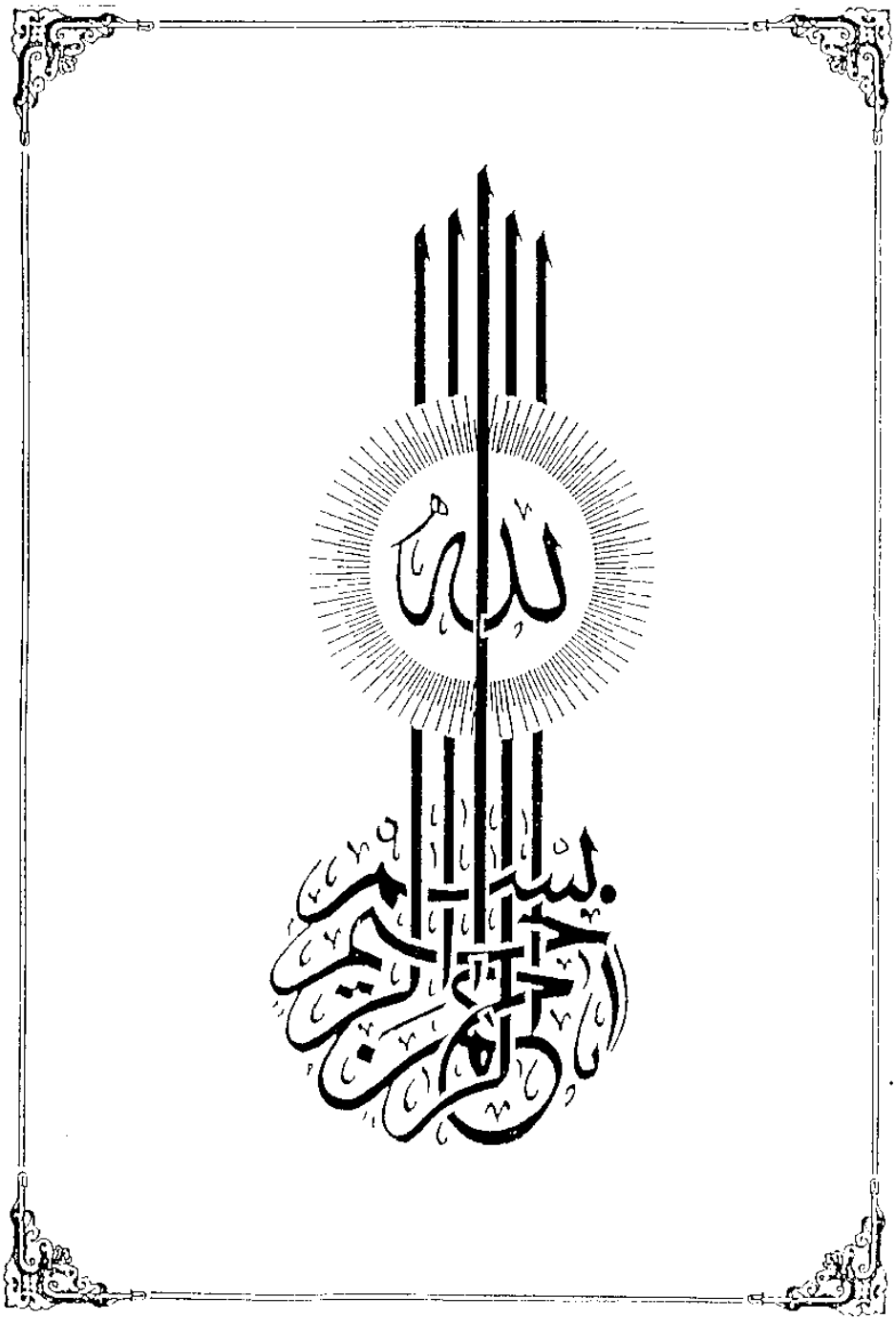

APPROVAL SHEET

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ABSTRACT

Four experiments were conducted to evaluate the effect of some chemical treatments on iron chlorosis recovery of corn plants grown on calcareous soil and the distribution of Fe among soil various fractions using ^{55}Fe. Results indicated that the chemical treatments, added either as foliar or soil application, had great effect on growth, nutrient uptake and recovery of iron chlorosis by improving the status of chlorophyll and ferrous content in leaves of corn plants. ^{55}Fe fractions in tested soil were also discussed.

Key Words

Caffeic acid

Chemical treatments

^{55}Fe

$FeSO_4$

Iron chlorosis

L-serine

Salicylic acid

Sulfur

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