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ELECTROCHEMISTRY OF REDOX ACTIVE DRUGS AND ITS APPLICATION TO HPLC DETERMINATION IN PHARMACEUTICAL ANALYSIS

THESIS PRESENTED

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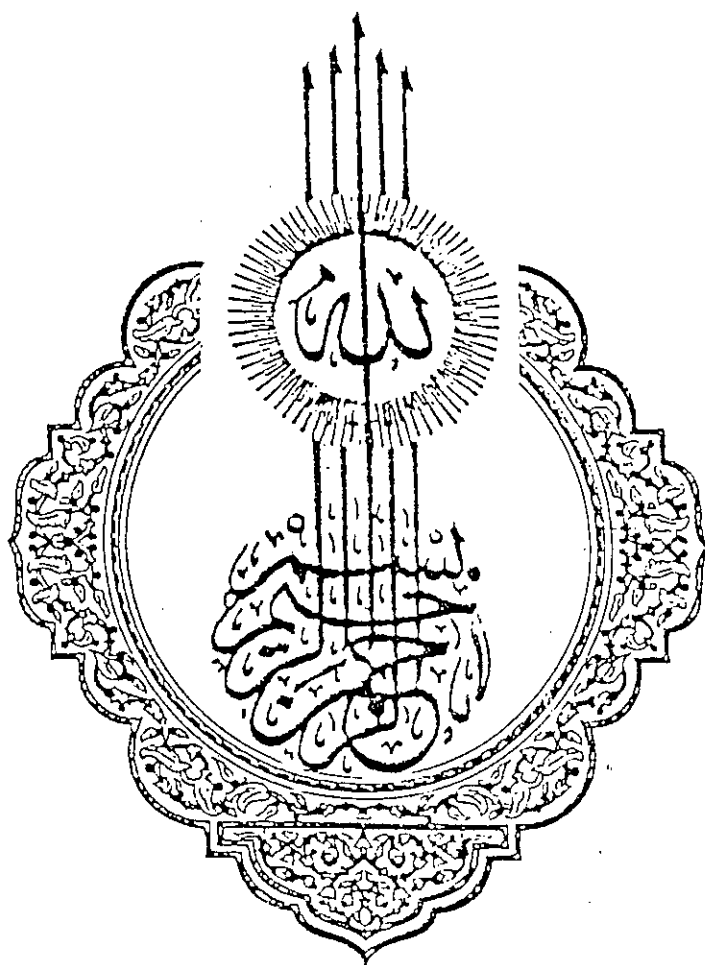
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وَلَدِي فَضْلُ اللَّهِ يُؤْتِيهِ مِنْ يَشَاءُ وَاللَّهُ وَهُوَ الْغَفُورُ الْكَرِيمُ

مَدَنِي الْمَكَّةَ الْمُكَرَّمَةَ

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TO MY PARENTS

ABBREVIATIONS

A	Amper
BRB	Britton Robinson buffer
CE	Counter electrode
CPE	Controlled potential electrolysis
CV	Cyclic Voltammetry
E	Peak potential
ECD	Electrochemical detector
$E_{1/2}$	Half peak potential
F	Faraday's constant (96500)
GCE	Glassy carbon electrode
h	Hour
i	Current
iR_s	Ohm's potential drop
I.S.	Internal standard
m	Number of protons
n	Number of electrons
OTTLE	Optically transparent thin layer electrode
pzc	Point of zero charge
Q	Number of coulombs
r.d.s	Rate determining step
R/R ₀	Relative reflectivity
AR/R ₀	Change in reflectivity
RE	Reference electrode
SCE	Saturated calomel electrode
t	Time
uA	Microamper
V	Scan rate
WE	Working electrode
θ	Surface coverage

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