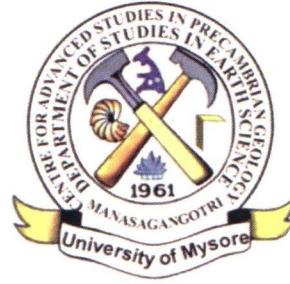




UNIVERSITY OF MYSORE



DEPARTMENT OF STUDIES IN EARTH SCIENCE, CENTRE FOR
ADVANCED STUDY IN PRECAMBRIAN GEOLOGY,
MANASAGANGOTHI, MYSORE

**Integration of Satellite Gravity and Land Surface Temperature
data to delineate Surface and Subsurface Structures in vicinity
of Merwi Dam, Bayuda Desert, Northern Sudan.**

By:

ALI AHMED MOHIELDAIN ALI
4th SEMESTER, GEOLOGY
DOS IN EARTH SCIENCE
UNIVERSITY OF MYSORE, MYSOR

Dissertation submitted to the Department of Studies in Earth Science in partial fulfillment
of the requirements for M.Sc. degree in geology

Supervisor:

Prof. K.N. PRAKASH NARASIMHA
DEPARTMENT OF STUDIES IN EARTH SCIENCE
UNIVERSITY OF MYSORE, MYSORE.

Co-supervisor:

Prof. KHALID ABDELRAHMAN ELSAYED ZEINELABDEIN
DEPARTMENT OF GEOLOGY, FACULTY OF PETROLEUM AND MINERALS,
AL NEELAIN UNIVERSITY, KHARTOUM, SUDAN.

September, 2020

September, 2020

AL NEELAIN UNIVERSITY, KHARTOUM, SUDAN.
DEPARTMENT OF GEOLOGY, FACULTY OF PETROLEUM AND MINERALS,
ABDELRAHMAN EL SAYED ZEIN EL ABDEIN

UNIVERSITY OF MISSION, MISSOURI.



UNIVERSITY OF MYSORE



DEPARTMENT OF STUDIES IN EARTH SCIENCE

GUIDE'S CERTIFICATE

I hereby certify that the dissertation entitled **“Integration of Satellite Gravity and Land Surface Temperature data to delineate Surface and Subsurface Structures in vicinity of Merwi Dam, Bayuda Desert, Northern Sudan”** submitted by; **ALI AHMED MOHIELDAIN ALI** of IVth semester M.Sc. Geology whose register No.GE318004, Department Of Studies In Earth Science, University of Mysore, has been carried out under my guidance and he has completed his work successfully during the academic year 2019/2020 for the award of M.Sc. degree in GEOLOGY.

Date: September/ /2020

Manasagangotri, Mysore

Prof. Prof. K.N. PRAKASH NARASIMHA

DOS in Earth Science

University of Mysore