

Geoinformatics

DEPARTMENT OF EARTH SCIENCES
UNIVERSITY OF KASHMIR
SRINAGAR – 190006



Certificate

Certified that the dissertation entitled “**HIGH RESOLUTION MAPPING OF LIDDER WATERSHED, KASHMIR HIMALAYA**”, submitted by **BASHARAT HAMID** bearing Roll No. **16065120001** during the academic session 2016-18 required in fulfillment for the award of degree of Master of Science in Geoinformatics, Department of Earth Sciences, University of Kashmir, Srinagar, Jammu and Kashmir, India. It is further certified that this work has not been submitted to any University for the award of any degree/diploma.

K. Omar

Signature of Supervisor

Name: *Khalid Omar*

Designation: *Pont. Lecturer*

Unshroo

Signature of External Expert/Evaluator

Name:

Designation:

[Signature]

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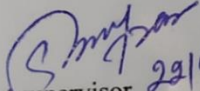
Signature of the HOD
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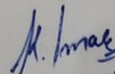
Department of Earth Sciences University of
Kashmir, Srinagar

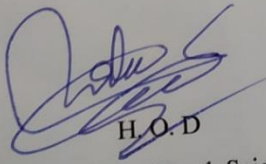


CERTIFICATE

This is to certify that the dissertation titled "Groundwater recharge potential mapping of Pohru Watershed" using Remote Sensing and GIS "work done by Miss. **Affreen Bashir** bearing Roll No. **16065120003** during year 2016/2018 in the partial fulfillment for the requirement of the award of Master of Science in Geoinformatics, Department of Earth Sciences, University of Kashmir, Srinagar. It is further certified that this work has not been submitted to any University for the award of any Degree / Diploma.


Project supervisor 29/06/2018
Dr. Sumira Nazir Zaz


External Examiner


H.O.D
Department of Earth Sciences



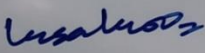
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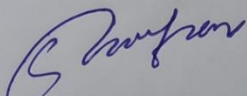
University of Kashmir, Hazratbal Srinagar

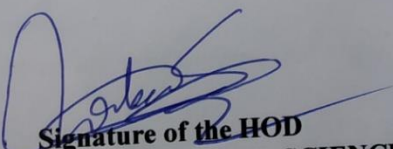


CERTIFICATE

This is to certify that dissertation titled *Investigating the role of glacier size and physiographic factors on recession pattern of glaciers over Nanga Parbat and Zaskar region between 2000 and 2017* done by Mr. Imtiyaz Ahmad, Roll No. 16065120004 during the year 2016 -2018 in partial fulfillment of the requirements for the award of degree of Masters of Geoinformatics, Department of Earth Sciences, Kashmir University, Srinagar, Jammu & Kashmir, India. It is further certified that this work has not been submitted to any University for the award of any Degree / Diploma.


Signature of Supervisor
Name: Dr. Irfan Rashid
Designation: Assistant Professor
Department of Earth Sciences
University of Kashmir


Signature of External Expert
Name: Dr. Sumira Nazki Zay
Designation: Assistant Professor


Signature of the HOD

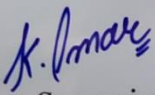
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UNIVERSITY OF KASHMIR, SRINAGAR
JAMMU & KASHMIR**

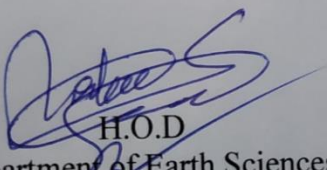


CERTIFICATE

This is to certify that it is a bonafide work done by Mr. **Afaan Gulzar Mantoo** bearing Roll No. **16065120005** during year 2016/2018 in partial fulfilment of the requirements for the award of degree of Master of Science in Geoinformatics, Department of Earth Sciences, University of Kashmir, Srinagar, Jammu & Kashmir, India. It is further certified that this work has not been submitted to any University for the award of any Degree / Diploma.


Project Supervisor
Khalid Omar Murtaza


External Examiner


H.O.D
Department of Earth Sciences

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Department of Earth Sciences,
University of Kashmir, Hazratbal Srinagar



CERTIFICATE

This is to certify that this dissertation titled *Analyzing glacier surges in Central Karakoram using time series satellite data between 2013 and 2017* is a bonafide work done by Heena Naz bearing Roll No. 16065120006 during year 2016-18 in partial fulfilment of the requirements for the award of degree of Master of Science in Geoinformatics, Department of Earth Sciences, University of Kashmir, Srinagar, Jammu & Kashmir. It is further certified that this work has not been submitted to any University for the award of any Degree / Diploma.

Project supervisor
Dr. Irfan Rashid
Department of Earth Sciences
University of Kashmir

External examiner

H. O. D.
Department of Earth Sciences
University of Kashmir



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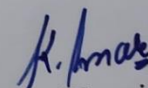
Department of Earth Sciences University of Kashmir
Hazratbal Srinagar

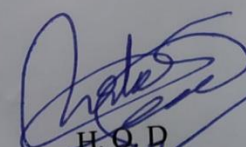


CERTIFICATE

This is to certify that the dissertation "Groundwater recharge potential mapping of Madhumati Watershed" using Remote Sensing and GIS "work done by Miss. **Mufra Nazir** bearing Roll No. **16065120007** during year 2016/2018 in the partial fulfillment for the requirement of the award of Master of Science in Geoinformatics, Department of Earth Sciences, University of Kashmir, Srinagar. It is further certified that this work has not been submitted to any University for the award of any Degree / Diploma.

 22/06/2018
Project supervisor
Dr. Sumira Nazir Zaz


External Examiner


H. Q. D.
Department of Earth Sciences



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Department of Earth Sciences,
University of Kashmir, Hazratbal Srinagar



CERTIFICATE

This is to certify that this dissertation titled *Analyzing glacier surges in Biafo and Panmah region of Karakoram using remote sensing data* is a bonafide work done by Ms. Saba Bashir bearing Roll No. 16065120008 during year 2016-18 in partial fulfilment of the requirements for the award of degree of Master of Science in Geoinformatics, Department of Earth Sciences, University of Kashmir, Srinagar, Jammu & Kashmir, India. It is further certified that this work has not been submitted to any University for the award of any Degree / Diploma.

Project supervisor
Dr. Irfan Rashid
Department of Earth Sciences
University of Kashmir

External examiner

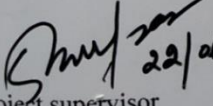
H.O.D.
Department of Earth Sciences
University of Kashmir

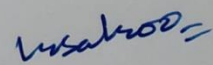
Post Graduate Department of Earth Sciences University
of Kashmir Hazratbal Srinagar

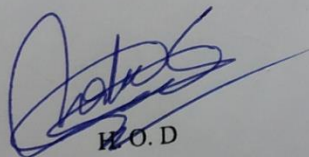


CERTIFICATE

This is to certify that it is a bonafide work done by Mohammad Saleem bearing Roll No. 16065120010 during year 2016/2018 in partial fulfillment for the requirement of the award of Master of Science in Geoinformatics, Department of Earth Sciences, University of Kashmir, Srinagar. It is further certified that this work has not been submitted to any University for the award of any Degree / Diploma.


22/06/2018
Project supervisor
Dr Sumira Nazir Zaz


External Examiner


H.O.D



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DEPARTMENT OF EARTH SCIENCES
UNIVERSITY OF KASHMIR
SRINAGAR – 190006



Certificate

Certified that the dissertation entitled "**HIGH RESOLUTION MAPPING OF SINDH WATERSHED, KASHMIR HIMALAYA**", submitted by **NASEER AHMAD LONE** bearing Roll No. **16065120011** during the academic session 2016-18 required in fulfillment for the award of degree of Master of Science in Geoinformatics, Department of Earth Sciences, University of Kashmir, Srinagar, Jammu and Kashmir, India. It is further certified that this work has not been submitted to any University for the award of any degree/diploma.

Signature of Supervisor

Name:

K. Omar
Khalid Omar
Designation: *cont. lecturer*

Signature of External Expert/Evaluator

Name:

Raza A. Dar
Designation: *Asst. Professor*

Signature of the HOD

DEPARTMENT OF EARTH SCIENCES

Department of Earth Sciences,
University of Kashmir, Hazratbal Srinagar



CERTIFICATE

This is to certify that this dissertation titled *Analyzing glacier surges in Southern Karakoram regions using time series satellite data* is a bonafide work done by **Rozy Qazmi** bearing Roll No. **16065120012** during year 2016-18 in partial fulfilment of the requirements for the award of degree of Master of Science in Geoinformatics, Department of Earth Sciences, University of Kashmir, Srinagar, Jammu & Kashmir. It is further certified that this work has not been submitted to any University for the award of any Degree / Diploma.

Project supervisor
Dr. Irfan Rashid
Department of Earth Sciences
University of Kashmir

External examiner

H. O. D.

Department of Earth Sciences
University of Kashmir



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CERTIFICATE

This is to certify that "*Horticulture Mapping Using High Resolution Remote Sensing Data*" is a bonafide work done by Ms. *Sabiya kausar* during the year 2016– 2018 in partial fulfillment of the requirements for the award of Master Of Science In Geo-Informatics, Department of Earth Sciences, University of Kashmir, Srinagar, Jammu & Kashmir, India. It is further certified that this work has not been submitted to any University for the award of any Degree / Diploma.

Signature of Supervisor
Expert/Evaluator

Name: Prof

Designation:

Signature of External

Name:

Designation:

Signature of the HOD

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P. G. DEPARTMENT OF EARTH SCIENCES

UNIVERSITY OF KASHMIR

SRINAGAR - 190006



Certificate

Certified that the dissertation entitled **“WATERSHED LEVEL SOCIO-ECONOMIC GIS FOR JEHLUM BASIN”**, submitted by MUSTAFA MAJEED Roll No.16065120014 required as partial fulfillment for the award of degree of Master of Science in Geoinformatics, PG Department of Earth Sciences, University of Kashmir, Srinagar, Jammu and Kashmir and is a record of her own work carried out by her under my supervision and guidance. The matter embodied in this dissertation has not been carried for the award any other degree.

Signature of Supervisor

Name:

Designation:

Name:

Signature of External Expert/Evaluator

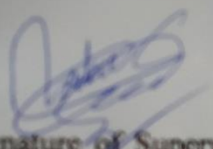
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Signature of the HOD
DEPARTMENT OF EARTH SCIENCES

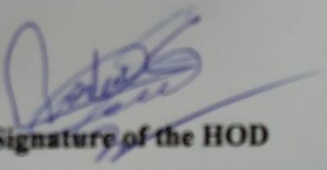


CERTIFICATE

This is to certify that **Mapping the Indicators of Land Degradation Using Geospatial Techniques: A case of Study of Udhampur and Jhelum Districts** is a bonafide work done by Ms. INSHA SHAFI BHAT during the year 2016- 2018 in partial fulfillment of the requirements for the award of M.Sc in Geoinformatics, Department of Earth Sciences, Kashmir University, Srinagar, Jammu & Kashmir, India. It is further certified that this work has not been submitted to any University for the award of any Degree / Diploma.


Signature of Supervisor
Expert/Evaluator
Name,
Designation:


Signature of External
Name,
Designation:


Signature of the HOD
DEPARTMENT OF EARTH SCIENCES