

DEPARTMENT OF APPLIED GEOLOGY
School of Earth and Environmental Sciences
University of Kashmir, Hazratbal Srinagar



CERTIFICATE

This is to certify that the dissertation entitled “**A Review on Estimation and Evaluation of Water Resources of Ladakh Region**” is a bona-fide work done by **Mr. Nadeem Habib** bearing **Roll No. 19064120001** in partial fulfillment of the requirements for the award of degree of Master of Science in Applied Geology, School of Earth and Environmental 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.

Supervisor

Prof. Ghulam Jeelani
Department of Applied Geology
University of Kashmir

External Examiner

Department of Applied Geology
University of Kashmir

DEPARTMENT OF EARTH SCIENCE UNIVERSITY OF KASHMIR



Certified that the dissertation entitled “**GEOMORPHOLOGY OF INDUS RIVER**” submitted by **IRFAN AHMAD WANI** under enrollment No. **19064120002** in partial fulfillment of requirements for the award of Master’s Degree in Applied Geology, Department of Earth Sciences, University of Kashmir. The content of submitted dissertation is the proprietary document of Department of Earth Sciences, University of Kashmir and proper permission from the undersigned is the required/mandatory for publishing or correspondence with respect to content of the dissertation. It is further certified that this work has not been submitted to any University for the award of any degree/diploma. I deem it fit for submission.

Signature of Supervisor

DR. REYAZ AHMAD DAR

(Assistant professor)

**Signature of external
examiner**

CERTIFICATE



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Signature of the supervisor

DR. REYAZ AHMAD DAR.

**Signature of external
examiner**



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This is certified that the dissertation entitled “**Fault Delineation using GPR Studies at Pari Mahal area of Srinagar, Jammu and Kashmir, India**” is carried out by **Ms. Sonober Gull**, bearing Roll No. **19064120004** under the supervision of **Prof. Bikram Singh Bali** during the year 2019-2022 in partial fulfilment of the requirements for the award of degree of **Master of Science in Applied Geology, 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.

Signature of Supervisor
Prof. Bikram Singh Bali

Signature of External
Evaluator or Examiner

Signature of HOD
Prof. Bikram Singh Bali

**DEPARTMENT OF EARTH SCIENCES
UNIVERSITY OF KASHMIR,
SRINAGAR, JAMMU & KASHMIR.**



CERTIFICATE

This is certified that the dissertation entitled “**A REVIEW: MODES OF SLOPE FAILURES ALONG BARAMULLA URI HIGHWAY**” is carried out by MS KULSOOMA USHOOR bearing Roll No. 19064120005 under the supervision of DR. UMAIR ALI during the year 2019-2021 in partial fulfilment of the requirements for the award of degree of Master of Science in Applied Geology, 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 so far.

Signature of Supervisor

A handwritten signature in blue ink, appearing to read 'U.A.' and 'U.A.' below it, enclosed in a blue oval.

Dr. UMAIR ALI

Signature of External Examiner

Signature of HOD

PROFESSOR BIKRAM SINGH BALI

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Signature of supervisor

Name: **Prof. Bikram Singh Bali**

Designation: Professor and HoD

Signature of External Expert/Evaluator

Name:

Designation:

Signature of the Head Of Department

Department Of Earth Science, University Of Kasmir, 190006

UNIVERSITY OF KASHMIR HAZRATBAL, SRINAGAR-190006

DEPARTMENT OF EARTH SCIENCES



CERTIFICATE

It is certified that the dissertation entitled **“CONCEPTUAL MODELS OF HARD ROCK AQUIFERS-SEMI-ARID REGIONS”** was carried out by **Mr. Zahoor-Ud-Din**, bearing Roll No.: **19064120007** under the supervision of **Dr. Sarah Qazi** during the year 2019-2022 in partial fulfillment of the requirements for the award of the degree of **Master of Science in Applied Geology, Department of Earth Sciences, Kashmir University, Srinagar, Jammu & Kashmir, India.** The content of the submitted dissertation is the proprietary document of the Department of Earth Sciences, University of Kashmir and proper permission from the undersigned is mandatory for publishing the content of this dissertation. It is further certified that this work has not been submitted to any University for the award of any Degree so far.

Signature of Supervisor

Dr. Sarah Qazi

External Examiner

Signature of Head

Dr. Bikram Singh Bali



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Signature of the supervisor
Prof. Bikram Singh Bali

Signature External Evaluator


Signature
Head of Department
Department of Earth Sciences

Department of Earth Sciences
University of Kashmir, Hazratbal
Srinagar-190006



CERTIFICATE

This is certified that the dissertation entitled "**Soft-Sediment Deformation Structures in Karewas of Kashmir-A Review**" is carried out by **Ms. Falak Fayaz**, bearing Roll No.: **19064120010** under the supervision of **Dr. Umair Ali** during the year 2019-2022 in partial fulfilment of the requirements for the award of degree of **Master of Science in Applied Geology, 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 so far.

A handwritten signature in blue ink, appearing to read 'UR' above 'Umair Ali', enclosed in a blue circular scribble.

Signature of Supervisor

Dr. Umair Ali

External Examiner

Signature of Head

Dr. Bikram Singh Bali

DEPARTMENT OF EARTH SCIENCES
UNIVERSITY OF KASHMIR HAZRATBAL, SRINAGAR-190006



CERTIFICATE

It is certified that the dissertation entitled **“SCALE EFFECTS ON GROUNDWATER FLUXES IN HARD ROCK AQUIFERS; A REVIEW”** was carried out by **Shabnam Zahoor**, bearing Roll No.: **19064120011** under the supervision of **Dr. Sarah Qazi** during the year 2019-2022 in partial fulfillment of the requirements for the award of the degree of **Master of Science in Applied Geology, Department of Earth Sciences, Kashmir University, Srinagar, Jammu & Kashmir, India**. The content of the submitted dissertation is the proprietary document of the Department of Earth Sciences, University of Kashmir and proper permission from the undersigned is mandatory for publishing the content of this dissertation. It is further certified that this work has not been submitted to any University for the award of any degree so far.

Signature of Supervisor

Dr. Sarah Qazi

External Examiner

Signature of Head

Dr. Bikram Singh Bali



Certificate

This is to certify that "Study of Causative factors Responsible for landslides Along National Highway Jammu to Srinagar and Ganderbal to Kargil: A Review; is a bonafide work done by Zakir Hussain during the year 2019-2022 for partial fulfillment of the credentials for the award of degree of Master of science in Applied Geology, 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.

Signature of Supervisor

Dr. Umair Ali

Signature of External Evaluator

Signature of H. O. D

Department of Earth Science



Department of Earth Sciences,
School of Earth and Environmental Sciences



Certificate

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It is also certified that this work has not been submitted to any other university or institution for the award of such a degree.


Supervisor

Head of department

DEPARTMENT OF APPLIED GEOLOGY
School of Earth and Environmental Sciences
University of Kashmir, Hazratbal Srinagar



CERTIFICATE

This is to certify that the dissertation entitled “**A Review on Estimation and Evaluation of Water Resources of Kashmir Region**” is a bona-fide work done by **Mr. IRFAN MUSHTAQ** bearing **Roll No. 19064120014** in partial fulfilment of the requirements for the award of degree of Master of Science in Applied Geology, School of Earth and Environmental 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.

Supervisor

Prof. Ghulam Jeelani
Department of Applied Geology
University of Kashmir

External Examiner

Department of Applied Geology
University of Kashmir

Department of Earth Sciences, University of Kashmir, 190006

Certificate



This is to certify that the Review work presented in the dissertation titled " Arsenic Contamination In Ganga Basin -Review " Carried out by Mr. Mohammad Aaqib Wani, student of Applied Geology ,Department of Earth Science ,University Of Kashmir srinagar . This work has been done under my supervision and has not been submitted anywhere in part or full for award of any degree in this or other university

The candidate has fulfilled all the requirements and formalities as required under the statutes for the submission of Master's dissertation


Supervisor
4/04/22

Head of The Department



Certificate

This is to certify that it is a bonafide work done by Mr. Shahrukh Altaf Mir during the year 2021 in partial fulfillment of the requirement for the award of degree of Master of science in Applied Geology 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; Dr.Reyaz Ahmad Dar

Designation; Assistant professor

Sign of External Evaluator



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This is to certify that "Review on Permo-Triassic Boundary Of Kashmir/ Himalaya " is a bonafide work done by Zubair Ahmad during the year 2019-2022 for partial fulfillment of the credentials for the award of degree of Master of science in Applied Geology, 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.

Signature of Supervisor

Name: Dr. Javid Ahmad

Designation: Lecturer

CERTIFICATE

This is to certify that it is a bonafide work done by Mr. ASRAR MAJEED SHEIKH during the year 2021
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Signature of Supervisor

Signature of External Evaluator

Name: Dr. JAVAID AHMAD GANAIE



DEPARTMENT OF EARTH SCIENCES

UNIVERSITY OF KASHMIR

DEPARTMENT OF EARTH SCIENCE UNIVERSITY OF KASHMIR



CERTIFICATE

Certified that the dissertation entitled "GLACIAL GEOMORPHOLOGY OF WESTERN HIMALAYA" submitted by **AMIR AFZAL** under enrollment No. 19064120023 in partial fulfillment of requirements for the award of Master's Degree in Applied Geology, Department of Earth Sciences, University of Kashmir. The content of submitted dissertation is the proprietary document of Department of Earth Sciences, University of Kashmir and proper permission from the undersigned is the required/mandatory for publishing or correspondence with respect to content of the dissertation. It is further certified that this work has not been submitted to any University for the award of any degree/diploma. I deem it fit for submission.

Signature of Supervisor

DR. REYAZ AHMAD DAR

(Assistant professor)

**Signature of external
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Signature of the supervisor
Prof. Ghulam Jeelani

Signature of External Evaluator

Signature
Head of Department
Department of Earth Sciences

CERTIFICATE



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Signature of supervisor

Dr. Sarah Qazi

A handwritten signature in blue ink, appearing to be 'Sarah Qazi', written over the printed name.

Signature of External Evaluator

Signature
Head of Department
Department of Earth Science

DEPARTMENT OF EARTH SCIENCES
UNIVERSITY OF KASHMIR HAZRATBAL, SRINAGAR-190006



CERTIFICATE

It is certified that the dissertation entitled **"PALEOZOIC SUCCESSIONS OF KASHMIR; A REVIEW"** was carried out by **Shahid Shafi**, bearing Roll No.: **19064120026** under the supervision of **Dr. Javid Ganie** during the year 2019-2022 in partial fulfillment of the requirements for the award of the degree of **Master of Science in Applied Geology, Department of Earth Sciences, Kashmir University, Srinagar, Jammu & Kashmir, India**. The content of the submitted dissertation is the proprietary document of the Department of Earth Sciences, University of Kashmir and proper permission from the undersigned is mandatory for publishing the content of this dissertation. It is further certified that this work has not been submitted to any University for the award of any degree so far.

Signature of Supervisor

Dr. Javid Ganai

A handwritten signature in blue ink, appearing to read 'Javid Ganai', written over a horizontal line.

Signature of External Examiner

Signature of H.O.D

Prof. Bikram Singh Bali



CERTIFICATE

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A handwritten signature in blue ink, with the year '13/14' written below it.

Signature of Supervisor
Prof. Bikram Singh Bali

A handwritten signature in blue ink, with the year '13/14' written below it.

Signature of External
Evaluator or Examiner

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Signature of HOD
Prof. Bikram Singh Bali