

MEMORANDUM OF UNDERSTANDING

BETWEEN



**WADIA INSTITUTE OF HIMALAYAN GEOLOGY
DEHRADUN**

AND



**UNIVERSITY OF LADAKH
LEH, INDIA**

Premiere

Wadia Institute of Himalayan Geology, Dehradun (WIHG) is a premier Geological institute engaged in both basic and applied research to unravel the Geodynamics of the Mighty Himalaya, based on wide spectrum of Geosciences: petrology, geochemistry structural geology, geophysics, sedimentology, biostratigraphy, earthquake geology, geomorphology, environment & engineering geology, quaternary geology, hydrology, glaciology,, etc. The State of the art sophisticated analytical laboratories strongly substantiate the field data for understanding the geodynamic evolution of the Himalaya, seismogenesis of the region, studying landslides and avalanches, characterization and mitigation of geohazards related to earthquakes, landslides, snow/ice avalanche, glacier lakes outbursts, exploration of natural resources (minerals/ore bodies, hydrocarbons, springs, geothermal, etc.), comprehending glacier dynamics and fluvial systems etc.

The study has provided new insights in the following areas:

- ❖ Development of new concepts/models for the geodynamic evolution of Himalaya.
- ❖ Comprehending monsoon-tectonic interaction – linkage to Himalayan progeny.
- ❖ Understanding seismicity and earthquake hazard assessment in the Himalaya.
- ❖ Evaluation of geo-hazards-landslides, GLOFs/LLOFs and likely remediation.
- ❖ Resource Exploration: glaciers, geothermal, spring, water, minerals/ores, hydrocarbons.
- ❖ Establishing the relation between biotic evolution and Himalayan orogeny.
- ❖ Knowledge spreading, human resource development, services to stakeholders.
- ❖ Established Artificial Intelligence (AI) based approaches for geohazard assessment.

ABOUT UOL

The University of Ladakh (UoL) was established in 2019, as an initiative to promote quality higher education and to be the Premier University of the country, particularly in the UT of Ladakh. The UOL is the only Trans-Himalayan institute of higher learning and research and, therefore, an institute of Higher Learning of its own kind. It has its courses and research programs specific to Himalayan, Trans Himalayan and South and Central Asian region, not ordinary available in other universities in India. The UoL has headquarters and Campuses in both Leh and Kargil to cater to students passing out of various school and colleges spread over more than fifty thousand square kilometers of the vast Ladakh region. The focus is on creativity in exploring new ways to add to the body of knowledge through new findings, collaboration and experiencing study. The UoL has MoU's with Delhi University (DU), Regional Centre of GB Pant National Institute of Himalayan Environment, IIT Jammu, Gujarat University, NFSU Gandhi Nagar, DCSC Denmark and many more are in pipeline.

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09/03/22

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SCOPE OF MOU

- It is felt inevitable to have collaboration between WIHG and University of Ladakh to undertake socially-relevant research towards the sustainable development and prosperity of the Himalayan region. This will indeed benefit to the society leading to complementary R&D, community-driven programs for viable use of bio-resources of the region.
- Based on the broad frame work of MoU, both Wadia Institute of Himalayan Geology, Dehradun and University of Ladakh shall encourage interactions and sharing expertise and knowledge between personnel, scientists and research fellows of both organizations.
- Establish a WIHG and University of Ladakh Partnership programme which will be accessible to the Scientists, Students and Staff of WIHG and University of Ladakh.
- WIHG and University of Ladakh together shall organize seminars/workshops/training programs on Geoscience.
- WIHG and University of Ladakh would build active collaboration for field sampling/construction of field stations in the tough terrains of the Himalayan.
- WIHG and University of Ladakh shall make provisions to share their important R&D facilities/Lab/Library as per the rules of respective organization.
- WIHG scientists and personnel/faculty members of University of Ladakh would be free to submit joint projects of mutual interest to various funding agencies with prior concurrence of their respective head of organizations.
- Scientists from both the organizations would be allowed to share geo-scientific data for fulfilling the objectives of collaborative research programme.

RESPONSIBILITIES UNDER THIS MOU OF BOTH PARTIES

- Each party shall pursue its research and operational programs that involve data from other sources.
- In case of changes/experiments in instruments/models during any event/season, both parties should be well informed.
- Both WIHG and University of Ladakh shall work together to have integrated long-term academic and research collaborations.
- University of Ladakh shall identify 900 sq. yard of land to WIHG to open “WIHG – UoL Centre for Geo-sciences” within its campuses for pursuing geoscientific investigation of Himalaya.
- The University shall provide over-all facilities to WIHG scientists during their official visit at Ladakh University.

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Pankaj Kumar
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- WIHG shall provide local facilities to visiting students and faculty of University of Ladakh as well as providing to access library, laboratories, instrumentation system, computers and other infrastructure facilities (on nominal payment basis).
- WIHG shall provide accommodation to visiting students and faculty of University of Ladakh at WIHG Guest House/Hostel.
- WIHG Scientists shall visit to Ladakh University to deliver lectures from time to time.
- The WIHG Institute faculty will perform as exempt faculty during their tour to Ladakh.
- WIHG will accommodate UOL students in their winter/summer training/coursework.

TERMS AND CONDITIONS


- Cost involved in the implementation of this MoU will be agreed upon by both institutions on case-to-case basis.
- During the tenure of the MoU, WIHG and University of Ladakh will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MoU for any purpose other than in accordance with this MoU.
- All conditions, changes, erasures, amendments, waivers etc. shall only be in writing, duly executed by both the parties.
- This MoU shall not be a legally binding contract, and under no circumstance, this MoU will subject either of the parties to breach of contract, whether material or minor, or to any liability under national, international or to any other applicable law.
- Both the institutions shall make best efforts to resolve all differences and dispute arising out of this MoU amicably.

DURATION OF AGREEMENT

The Agreement would be effective from the date of signing.

NODAL OFFICERS

Registrar, WIHG and Registrar, University of Ladakh would be the Nodal Officers on behalf of WIHG and UOL respectively who would liaison on behalf of the parties to give effect to the purposes of this MoU.

S. Mehta

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S. Mehta
 03/03/22

Parvinder
 3/3/22

DISPUTES

Any dispute between the parties arising out of this MoU shall be settled amicably through negotiation. Any difference that may not be so settled shall be brought to the attention of the signatories of this MoU or duly authorized representatives of the parties for final resolution.

The MoU is signed today i.e., 03.03.2022 at WIHG, Dehradun.

For and on behalf of UOL

Sunehta'
3/3/22
Prof. S.K. Mehta
Vice Chancellor
University of Ladakh
Leh, Ladakh

For and on behalf of WIHG

K. Sain
03/03/22
Dr. Kalachand Sain,
Director
Wadia Institute of Himalayan Geology
Dehradun

Date: 3/3/2022

Place: Dehradun

In the presence of

Witness

Deskyong Namgyal
3/3
Name: Deskyong Namgyal

Designation: Dean, Academic Affairs
University of Ladakh
Leh / Kargil

Witness

Pankaj Kumar
3/3/22
Name: Pankaj Kumar

Designation: Registrar