

**HYDROLOGICAL ABUNDANCE AND ECO-HYDROLOGICAL STATE OF A
HIGH ALTITUDE RAMSAR WETLAND IN HIMALAYAN REGION**

Dissertation submitted in partial fulfillment of the requirements of the award of the
degree of

MASTER OF SCIENCE

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2022

ACKNOWLEDGEMENT

In the long run, the sharpest weapon of all is a kind and gentle spirit -Anne Frank

I would like to express my deepest gratitude to few people, without whom this endeavor would not have been possible and making my dissertation a great learning experience and an unforgettable journey. First and foremost, I thank my supervisor Prof. P. K. Joshi for giving me the opportunity and platform of completing my dissertation under his supervision with his constant guidance and encouragement throughout.

I would also like to thank to Prof. Paulraj Rajamani, Dean School of Environmental Sciences (SES) for providing resources and facilities during the course of my work. And wish to express my gratitude to Dr Illora Ghosh, Prof. Kasturi Mukhopadhyay, Prof. Satish Garkoti and other faculty members of SES for providing me valuable knowledge and an academic atmosphere for learning.

I owe a deep sense of gratitude to Dr Susanta Mahato, Post-Doctoral Fellow for his valuable inputs at every step of my dissertation, and for being extremely kind and patient throughout the whole journey. I'm also grateful to all other members of the laboratory; Dr Pradeep Kumar, Kundan Deval, Jayshree Das, Satish Kumar Saini, Manjul Pawar, Akshita Choudhary, Bhawna Yadav, Divyata Yadav, Ishwar Chand for help and co-operation.

The equipment supports from the Sustainable Natural Resource Use in Arctic and High Mountainous Areas (SUNRAISE) and Urban Resilience and Adaptation for India and Mongolia (URGENT) projects, co-funded by the Erasmus+ Programme of the European Union are duly acknowledged. I am also thankful to Goutamraj Thoudam for making me use his photographs of Loktak Lake for my thesis.

I express my profound gratitude to my family and friends for the endless support, affection and care. I'm thankful especially to 'Shak fajakhidoraba party' (Sweta, Sonia, Nandeshwori) for their suggestions, moral support and encouragement whenever I'm stressed and tensed. Lastly, I would like to thank Akash, David and Plinth for always patiently listening to all my roller coaster moods and stories of my dissertation journey even though they don't have much idea about my work.

21st June, 2022
New Delhi

(Geetanjali Pukhrambam)

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LIST OF ABBREVIATIONS

CLEAR	- Centre for Land Use Education and Research
CoA	- Center of Area
CoM	- Center of Most
CV	- Coefficient of variation
FDC	- Flow Duration Curve
GIS	- Geographic Information System
IUCN	- International Union for Conservation of Nature
ETM+	- Enhanced Thematic Mapper plus
FR	- Failure Rate
KLNP	- Keibul Lamjao National Park
LDA	- Loktak Development Authority
MNDWI	- Modified Normalized Difference Water Index
NDWI	- Normalized Difference Water Index
OLI	- Operational Land Imager
QGIS	- Quantum Geographic Information System
ReMNDWI	- Re-Modified Normalized Difference Water Index
RVA	- Range in Variability
TIRS	- Thermal Infrared Sensor
TM	- Thematic Mapper
USGS	- United States Geographical Survey
WPF	- Water Presence Frequency
WD	- Water Depth



Co-funded by the
Erasmus+ Programme
of the European Union



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The appended material is based on research carried out at the partner institution of URGENT Project, and has potentially utilised the equipment support, inputs based on course revised/developed and training programs (*lecture series, research seminar and webinars*) through the URGENT Project.

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The complete thesis can be obtained from Prof P K Joshi (pkjoshi27@hotmail.com or pkjoshi@mail.jnu.ac.in).