

JOURNAL OF NEPAL GEOLOGICAL SOCIETY

ISSN: 0259-1316 (Print)
ISSN: 2676-1378 (Online)

Registration No. 1/042/043
US Library of Congress Catalogue Card No.: N-E-81-91064
ISSN: 0259-1316 (Print), ISSN: 2676-1378 (Online)

Volume 69	December 2025
Magnetic fabric patterns of tectonic origin in the Triassic carbonates (Tethys Himalaya) of western Dolpo, Nepal <i>Pitambar Gautam and Erwin Appel</i>	1
Geology, petrography and microstructures of upper part of the Kathmandu nappe along Balaju to Tadi Khola, northwest of Kathmandu, central Nepal <i>Rashmi Acharya and Kabi Raj Poudyal</i>	19
A boosting framework for slope unit-based earthquake-induced landslide susceptibility mapping <i>Suchita Shrestha and Tae-Seob Kang</i>	33
Potential ecological risk assessment of heavy metals in surface sediments of Bagmati river, Kathmandu valley, Nepal <i>Shraddha Bhattarai and Suman Man Shrestha</i>	41
Provenance and climatic condition of the quaternary Tista sand deposits, Rangpur, Bangladesh <i>Sudip Saha</i>	53
Spatial multi criteria-based assessment of susceptibility of flood using open-source data in ungauged local government region: A case of Dhangadhi Sub-metropolitan city, Nepal <i>Pankaj Adhikari</i>	59
Nummulites and Assilina from the Chachura Formation, Baitadi district, far west, Nepal <i>Madhusudan Sapkota, Kabiraj Phuyal, Kamala Kant Acharya, Megh Raj Dhital, and Bharat Raj Pant</i>	69
Morpho-hydrology and classification of Sayali Gad river, Doti district, lesser Himalaya <i>Sita Ram Ojha and Naresh Kazi Tamrakar</i>	75
Groundwater potential assessment in part of Kavrepalanchowk district using cosine amplitude method <i>Bala Ram Upadhyaya, Santosh Silwal, Ananta Man Singh Pradhan and Sanjeeb Baral</i>	89
Study on ground deformation in Kathmandu valley using c-band Sentinel-1a synthetic aperture radar (SAR) satellite images <i>Nabin Sah, Kuber Saud, Binod Adhikari, Chali Idosa</i>	97
Analysis and improvement of blasting practices for aggregate production: the case of the Ekona quarry (south-west Cameroon) <i>Abdoul Aboubakar, Carole Laouna Bapowa, Frédéric Mounsi, David Ikome Lyonga, Carol Mongo Bekele, Roger Thomas Fils Tchatchoua, and Jean Paul Nlomngan Sep</i>	109

Published by: Nepal Geological Society
Lainchaur, Kathmandu, Nepal
Email: info@ngs.org.np
Website: https://www.ngs.org.np



Volume 69December 2025

JOURNAL
OF
NEPAL GEOLOGICAL SOCIETY

JOURNAL OF NEPAL GEOLOGICAL SOCIETY
Volume 69
December 2025

Kathmandu
Nepal

EDITORIAL BOARD



Editor-In-Chief

Dr. Ananta Man Singh Pradhan

Water Resources Research and Development Centre
Ministry of Energy, Water Resources and Irrigation
Lalitpur, Nepal
Email: anantageo@hotmail.com

Editors



Dr. Upendra Baral
Managing Editor

Institute of Tibetan Plateau Research, Chinese
Academy of Sciences
Beijing 100101, China
Email: upendrabaral@gmail.com



Dr. Gautam Prashad Khanal

Department of Mines and Geology
Ministry of Industries, Commerce and Supplies
Lainchowr, Nepal
Email: gautam.khanal@dmgnepal.gov.np



Prof. Dr. Hyuch-Jin Park

Department of Energy Resources and Geosys-
tem Engineering,
Sejong University
Seoul, Republic of Korea
Email: hjpark@sejong.ac.kr



Dr. Ying-Hsin Wu

Disaster Prevention Research Institute, Kyoto
University
Gokasho, Uji, Kyoto 611-0011, JAPAN
Email: wu.yinghsin.5x@kyoto-u.ac.jp



Dr. Netra Regmi

Oklahoma Geological Survey
The University of Oklahoma
Norman, Oklahoma 73019
Email: netraregmi@ou.edu



Dr. Ba-Phu Nguyen

Technical University of Munich
Munich, Bavaria, Germany
Email: ba-phu.nguyen@tum.de



Prof. Dr. Micheal Murphy

University of Houston
Department of Earth and Atmospheric Sciences
Houston, TX 77204-5007
Email: mmurphy@central.uh.edu



Dr. Bhupati Neupane

Institute of Tibetan Plateau Research,
Chinese Academy of Sciences
Beijing 100101, China
Email: bhupati.neupane@yahoo.com



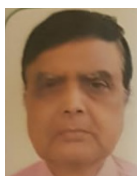
Dr. Ramita Bajracharya

Central Department of Geology
Tribhuvan University, Kirtipur
Email: bajrarami@yahoo.com



Mr. Anoj Khanal

Heritage for Global Challenges Research
Center (HGCRC)
University of York, United Kingdom
Email: anoj.khanal@york.ac.uk



Dr. Govind Raj Adhikari

Mining Engineering Department
Goa College of Engineering, India
Email: gradhikari07@gmail.com



Mr. Basant Bhandari

Department of Geology
Tri-Chandra Multiple Campus
Ghantaghar, Kathmandu
Email: basantgeo@gmail.com



Mr. Krishna Kumar Shrestha

Geological Investigation Department
Nepal Electricity Authority
Kathmandu, Nepal
Email: kkshresthag@gmail.com



Mr. Ajay Raj Adhikari

Department of Water Resources and Irrigation,
Mechanized Irrigation Innovation Project
Lalitpur, Nepal
Email: ajayrradhikari@gmail.com

Instructions to contributors to NGS Journal and Bulletin

Manuscript

The manuscript must be based on original research. Send a Word file and JPEG figures (a minimum of 600 dpi), including references, figure captions, and tables, in 12-point, Times New Roman (1.5 spacing) with a minimum 2.5 cm margin on all four sides (for reviewer and editor marking and commenting). Manuscripts with inadequate margins or unreadable text, illustrations, or tables will be returned to the author unreviewed. Indicate the position of the Table and Figure insertion in the manuscript.

The manuscripts and all correspondence regarding the Journal of the Nepal Geological Society (JNGS) should be addressed to the Chief Editor, Nepal Geological Society, Kathmandu, Nepal, by Email: editorial@ngs.org.np.

The acceptance or rejection of a manuscript is based on the appraisal of the paper by two or more reviewers designated by the Editorial Board. A critical review determines the suitability of the paper, its originality, and the adequacy and conciseness of the presentation. The manuscripts will be returned to the author with suggestions for revision, condensation, or final polish.

Illustrations

Identify each figure (line drawing, computer graphic, or photograph) with the author's name, and number consecutively. Send the illustrations as separate JPEG files (a minimum of 600 dpi). Do not put captions on the figures themselves.

All lettering on illustrations must be drafted/typewritten, not handwritten. Put type, labels, or scales directly on a photograph. Use graphic scales on illustrations; verbal scales (e.g., "x200") can be made meaningless by resizing. Calibrate graphic scales in metric units. Indicate latitudes and longitudes on maps. Plan all type sizes large enough so that the smallest letters will be readable after reduction to publication size (i.e. proportional with text, not exceptionally large). Keep all illustrations safely that can be modified any time as per requirement. For colour figures, authors must bear all costs, and about \$50 per colour figure/plate will be charged.

Style

Authors are responsible for providing manuscripts in which approved geological and other scientific terminology is used correctly and has no grammar or spelling errors. Authors must check their manuscripts for accuracy and consistency in the use of capitalisation, spelling, abbreviations, and dates.

Abstract

The abstract should present information and results in capsule form and should be brief and objective, containing within a maximum of 250 words the content and conclusions of the paper. The topic sentence should give the overall scope and be followed by an emphasis on new information. Omit references, criticisms, drawings and diagrams.

Captions

Make captions precise and explain all symbols and abbreviations used. Type captions in consecutive order. Do not embed captions in the figure.

References

All references mentioned in the text, figures, captions, and tables must be listed in the References section. Only references cited in the paper are to be listed. For example:

Auden, J. B., 1934, Traverses in the Himalaya. Rec. Geol. Surv. India, v. 69(2), pp. 123–167.

Todd, D. K., 1980, Groundwater Hydrology. John Wiley & Sons, Singapore, 535 p.

Tokuoka, T. and Yoshida, M., 1984, Some characteristics of Siwalik (Churia) Group in Chitwan Dun, Central Nepal. Jour. Nepal Geol. Soc., v. 4, (Sp. Issue), pp. 26–55.