An International Geo-scientific event

11th NEPAL GEOLOGICAL CONGRESS

KATHMANDU, NEPAL

10-11 March 2025

Program Schedule

Organized by

Nepal Geological Society

The 11th Nepal Geological Congress

10-11th March 2025
Kathmandu Nepal

Day One, 10th March 2025

Inauguration Program: 8:00 – 10:15
Congress Inaugurated by

The Rt. Hon'ble President of Nepal

Program Details

08:00-08:30	Registration of Participants
08:30-09:00	Dignitaries call in the dais
09:00-09:05	Arrival and welcome of the Chief Guest Rt. Hon'ble President of Nepal National anthem
09:05-09:10	Welcome speech by Churna Bahadur Wali, President, Nepal Geological Society
09:10-09:15	Inauguration of congress by Chief Guest Rt. Hon'ble President of Nepal Ram Chandra Poudel by lighting Panas
09:15-09:20	Briefing about the 11th Nepal Geological Congress by Prof. Dr. Khum Narayan Paudayal, Convener NGC-XI
09:20-09:25	Honorations of newly nominated honorary members of Nepal Geological Society Prof. Mike Searle and Jagadishwar Nath Shrestha by honorable Minister
09:25-09:30	Honoration of Toni Hagen Memorial Award to Prof. Dr. Bishal Nath Uprety by honorable Minister
09:30-09:45	Remarks by Prof. Dr. Bishal Nath Upreti Remarks by Dr. Kartin Hagn, Patron of Toni Hagen Foundation Remarks by H.E. Ambassador of Switzerland to Nepal Remarks by Honorable Minister
09:45-09:50	Book (**Report on Geological Survey of Nepal Vol 3: Geology of the Western Nepal Himalaya** by Toni Hagen) launch by Chief Guest Rt. Hon'ble President of Nepal Ram Chandra Poudel
09:50-09:55	Speech by Chief Guest Rt. Hon'ble President of Nepal, Ram Chandra Poudel
09:55-10:00	Token of love
10:00-10:05	Vote of thanks by Ajay Raj Adhikari, General Secretary of NGS and closing of the inauguration ceremony
10:05-10:15	Photo session with Chief Guest

10:15-11:00 Refreshment

MORNING SESSION

Technical Session –I: Geomorphology, Stratigraphy, Paleontology and Tectonics — Hall-A

Chairperson: Prof. Dr. Bishal Nath Upreti
Co-Chairperson: Prof. Dr. Mary Hubbard
Rapporteur: Krishna Kumar Shrestha

Time	Presentation No.	Title of the papers	Authors
11:00-11:30 **(Keynote)**	S-I(01)	Mount Everest: Tectonic Evolution, Uplift, Exhumation, River Capture and Models	**Mike Searle**
11:30-12:00 **(Keynote)**	S-I(02)	Stratigraphy of Nepal Lesser Himalaya: a critical review	**Megh Raj Dhital**
12:15-12:30	S-I(03)	The Early Jurassic *Lithiotis*-type bivalves buildups along Tethyan margin of Pangea – Albanian-Nepal connections	**Michał Krobicki**, Jolanta Iwańczuk, Boštjan Rožič, Petra Žvab Rožič, Krzysztof Starzec, Anna Kwietniak, Kabi Raj Paudyal, Bishal Nath Upreti
12:30-12:45	S-I(04)	Lithostratigraphy and age of the Gondwana sequence in eastern Nepal: Lithological, paleontological and paleoflow constraints	Drona Adhikari**,** Krishna Prasad Niraula, Prashanta Rai, Nagesh Rijal, Deepa Agnihotri and **Lalu Prasad Paudel**
12:45-13:00	S-I(05)	Cenozoic structural framework and crustal shortening of the Himachal Tethyan Himalaya, northwestern India: implications regarding conflicting thermobarometry and stratigraphy	**Peter J. Haproff**, Evon R. Branton, Dominik Vlaha, Andrew V. Zuza, Victor Guevara, Francisco Reyes, A. Alexander G. Webb, Marie C. Genge, Ariuntsetseg Ganbat, and Birendra P. Singh

13:00-14:00 LUNCH BREAK

Technical Session – II: (Poster Presentation) — Hall-C
Technical Session –III: Geomorphology, Stratigraphy, Paleontology and Tectonics — Hall-A

Chairperson: Prof. Dr. Moonsup Cho
Co-Chairperson: Monika Jha
Rapporteur: Prakash Luitel

Time	Presentation No.	Title of the papers	Authors
14:00-14:20 **Special paper**	S-III(01)	Cross faults in the Himalaya: their topographic and structural expression	**Mary Hubbard**, Ananta Prasad Gajurel, Lalu Paudel, Elizabeth Catlos, and Peter Haproff
14:20-14:40	S-III(02)	Stratigraphic analysis and correlation of carbonate units in the Lesser Himalaya, central Nepal	**Basanta Devkota**, Kabiraj Paudyal, Lalu Prasad Paudel

Time	Presentation No.	Title of the papers	Authors
14:40-14:55	S-III(03)	Stratigraphy of Tamghas-Libang section of Western Nepal	**Sunil Lamsal**, Ram Bahadur Sah and Kabiraj Paudyal
14:55-15:10	S-III(04)	Two phases of post-onset collision adakitic magmatism in the southern Lhasa subterrane, Tibet: Geodynamic and metallogenetic implications	Tian-Yu Lu, **Reiner Klemd** and Zhen-Yu He
15:10-15:25	S-III(05)	A thick quartzite succession in the Lesser Himalaya of Pokhara-Baglung area, implication for the stratigraphy of Kuncha Formation	Megh Raj Dhital, **Nawaraj Parajuli**, and Subash Duwadi
15:25-15:40	S-III(06)	Structural control on the landscape evolution and avulsive behavior of the Kosi River in eastern Nepal Himalaya	**Malay Mukul**, Vinee Srivastava and Manas Mukul

Technical Session –IV:
Geo-hazards, Climate change impacts, Adaptation and mitigation — Hall -B

Chairperson: Prof. Dr. Dinesh Pathak
Co-Chairperson: Dr. Suchita Shrestha
Rapporteur: Sharmila Paudyal

Time	Presentation No.	Title of the papers	Authors
14:00-14:20 **Special paper**	S-IV(01)	The Kagbeni flood event (August 13, 2023), Mustang District (Nepal): triggers, sediment cascades, aggravating infrastructures. How to manage the risk equation?	**Monique Fort,** Narayan Gurung, Perrine Yvrard, Rainer Bell, Katy Burrows and Gilles Arnaud-Fassetta
14:20-14:40 **Special paper**	S-IV(02)	Understanding of cascading hazards for risk-informed decision making in the Asian highland	**Basanta Raj Adhikari**
14:40-14:55	S-IV(03)	The 2024 GLOF Disaster in Thame Valley: Causes, Impacts, and Pathways for Future Risk Reduction	**Sudan Bikash Maharjan,** Tenzing Chogyal Sherpa, Arun Bhakta Shrestha, Alex Strouth, Emily Mark and Arjun Kumar Bam
14:55-15:10	S-IV(04)	Tracking flood events including glacial lake outburst floods in a warming climate using seismology	**Zeden Mo Tamang**, Marianne Karplus, Dowchu Dukpa, Rinzin Jatsho, Karma Namgay, Nityam Nepal, Nedup Wangmo, Julien Chaput, Aaron A. Velasco

Time	Presentation No.	Title of the papers	Authors
15:10-15:25	S-IV(05)	Assessment of the 2021 debris flow and flood related loss and damage in Melamchi watershed of Central Nepal	**Subash Duwadi,** Danda Pani Adhikari, Megh Raj Dhital, Nawaraj Parajuli
15:25-15:40	S-IV(06)	Geological hazards and risk mitigation in transmission line projects across the Nepal Himalayas	**Jharendra KC** and Shraddha Dhakal

15:40-16:00 TEA BREAK

Technical Session –V: Geomorphology, Stratigraphy, Paleontology and Tectonics Hall- A

Chairperson: Prof. Dr. Lalu Prasad Paudel
Co-Chairperson: Dr. Sushmita Bhandari
Rapporteur: Sunil Lamsal

Time	Presentation No.	Title of the papers	Authors
16:00-16:20 **Special paper**	S-V(01)	A Decade of Discovery: Tectonics and Geological Evolution of Nepal's Lesser Himalaya – The Jugedi-Gorkha Corridor of West-Central Nepal as a Center for Academic Research	**Kabi Raj Paudyal**, Sujan Devkota, Tara Pokharel, Naresh Maharjan, Sabi Pokharel, Arjun Bhattarai, Bima Shahi, Alina Karki, Sandeep Thapa, Shashi Tamang, Lokendra Prasad Pandey, Niraj Singh Thakuri, Prakash Pokharel, Pramod Pokharel, Kamal Pandey, Subhas Acharya, Rajendra Acharya, Khum N. Paudayal, and Lalu Prasad Paudel
16:20-16:35	S-V(02)	Backthrusting and fault propagation folding in the Lesser Himalaya of far west Nepal	**Bharat Raj Pant**, Megh Raj Dhital, Khum N. Paudayal
16:35-16:50	S-V(03)	Plant fossils from the Siwalik succession of the Nepal Himalaya	**Purushottam Adhikari**, Gaurav Srivastava and Khum N. Paudayal
16:50-17:05	S-V(04)	Geology of the Inner Lesser Himalaya between Kalikot and Humla, West Nepal	**Keshav Shrestha**, Pushkar Bhandary, Madhusudan Sapkota, Prakriti R. Joshi1, Mohan P. Acharya, Madan K. Regmi, and Trilok Bhatta
17:05-17:20	S-V(05)	Geological mapping and petrographic study of the Jyamire Gneiss, eastern Nepal	**Nagesh Rijal**, Drona Adhikari, Krishna Prasad Niraula, Prasanta Rai and Lalu Prasad Paudel
17:20-17:35	S-V(06)	Geomorphological and tectonic insights from river terraces in the Kushma area, Gandaki Province, western Nepal: implications for landscape evolution and uplift	**Aasish Giri**, Madhu Sudan Pathak, Sushant Prasad Adhikari, Roshan Paudel and Saurav Poudel
17:35-17:50	S-V(07)	Plant Fossils from the Siwalik Group of Binai Khola section, West Nepal and their Significance on Paleoclimate	**Roshan Paudel,** Purushottam Adhikari and Khum N. Paudayal

Technical Session–VI: Environmental Geology, Glaciology and Geohydrology Hall-B

Chairperson: Prof. Dr. Krishna Kanta Panthi
Co-Chairperson: Khila Nath Dahal
Rapporteur: Arpan Parajuli

Time	Presentation No.	Title of the papers	Authors
16:00-16:15	S-VI(01)	Role of geological structures in groundwater occurrence in the watershed of Chitwan Dun valley from Narayani to Lothar Khola, Central Nepal	**Menuka Gautam** and Dinesh Pathak
16:15-16:30	S-VI(02)	Comparison of springs water quality in carbonate and associated rocks of Lesser Himalaya in Seti Khola Watershed, Nepal	**Gunanidhi Pokhrel** and Moti Lal Rijal
16:30-16:45	S-VI(03)	Variation of iron in groundwater and its impact on human health in Dhangadhi area, Far-Western Nepal	**Nikita Upadhyaya** and Moti Lal Rijal
16:45-17:00	S-VI(04)	Assessing the lateral groundwater contamination resulting from the severely degraded Bagmati River, Kathmandu Valley, Nepal	**Priyanka Dhami**, Bidisha Dhakal, Mahotsav Basnet, Swostika Basnet, Sabina Poudel, Rajeev Maharjan, Dikshya Paudel, Jiya Khatiwada, Ishwari Tiwari, Subash Bhandari, Samjhana Niraula, Prabin Gaire Champak Babu Silwal, Ashok Sigdel, Subash Acharya, Deepak Chamlagain
17:00-17:15	S-VI(05)	Assessment of shallow groundwater and river water interactions along Budhi Rapati River in Chitwan, Nepal	**Prabin Dallakoti**, Pratima Chalise, Moti Lal Rijal
17:15-17:30	S-VI(06)	Identification of river-groundwater interaction and assessing its suitability for drinking and irrigational purposes in the Punyamata River, Kavrepalanchwok, central Nepal	**Durga Kumal** and Ramita Bajracharya
17:30-17:45	S-VI(07)	Groundwater Resources Exploitation in Nepal: Challenges, Opportunities, and Technological Interventions	Churna Bahadur Wali and **Surendra Raj Shrestha**

18:00-20:00 CONFERENCE DINNER

Day Two, 11th March 2025

MORNING SESSION

Technical Session–VII (Poster Presentation) **Hall-C**

Technical Session –VIII:
Geophysics, Seismotectonics and 10 Years of Gorkha Earthquake **Hall-A**

Chairperson: Prof. Dr. Mike Searle
Co-Chairperson: Dr. Subesh Ghimire
Rapporteur: Narayan Krishna Ganesh

Time	Presentation No.	Title of the papers	Authors
08:00-08:15 **Tribute**	SVIII(01)	Tribute to Prof. **Paul Tapponnier** Honorary member of NGS and Life members of NGS **Bishwa Man Sing Pradhan, Prakash Das Ulak, Nawaraj Shrestha, Jitendra Ghimire, Ram Nagina Yadav and Frédéric Perrier**	**Lok Bijaya Adhikari/ Som Nath Sapkota**
08:15-08:45 **Keynote**	S-VIII(02)	10 years after the 2015 Gorkha earthquake, what have we learnt from the study of regional seismicity? A focus on the technical and scientific progress of the DASE-DMG collaboration	**Laurent Bollinger**, Lok Bijaya Adhikari, Blandine Gardonio, Marine Laporte, Roser Hoste-Colomer, Jean Letort, Christian Baillard, Bharat Koirala, Munkunda Bhattarai, Chintan Timsina, Ratna Mani Gupta, Bal Bahadur Tamang, Tara Pokharel, Shila Bhattarai, Nicolas Wendling-Vazquez, Daria Batteux, Theo Besson, Ludovic Desmeuzes and the DMG/NEMRC and DASE Teams
08:45-09:00	S-VIII(03)	Recent normal faulting earthquake sequence in Dingri, south Tibet and its stress linkage to the 2015 Gorkha, Nepal earthquake	**Bin Zhao,** Jiansheng Yu, Jian Zhang, Jinling Fang, Roland Burgmann and Peiyu Dong
09:00-09:15	S-VIII(04)	10 years of Gorkha earthquake aftershocks	**Théo Besson**, Laurent Bollinger, Lok Bijaya Adhikari, Bharat Prasad Koirala, Mukunda Bhattarai, Chintan Timsina, Bal Bahadur Tamang, Tara Pokharel, Shila Bhattarai
09:15-09:30	S-VIII(05)	Aftershocks of Gorkha Earthquake and the Seismo-geological Segmentation of the Main Himalayan Thrust (MHT)	**L. B. Adhikari**, Théo Besson, B. P. Koirala, M. Bhattarai, C. Timsina, L. Bollinger

Time	Presentation No.	Title of the papers	Authors
09:30-09:45	S-VIII(06)	Investigating crustal structure and implications for faulting near the Main Himalayan Thrust in Nepal using local earthquakes	**Marianne Karplus**, Mohan Pant, John Nabelek, Soma Nath Sapkota, Aaron A. Velasco, Lok Bijaya Adhikari, Manuel Mendoza, Vaclav Kuna, Abhijit Ghosh
09:45-10:00	S-VIII(07)	Fractal analysis of seismicity across the Central Himalaya and nearby regions	**Rudra Prasad Poudel**, Ram Krishna Tiwari and Harihar Paudyal
10:00-10:15	S-VIII(08)	Recent Seismicity of Western Nepal	**Bal Bahadur Tamang**, Tirtha Raj Dahal, Rajesh Sharma, Anusha Sharma
10:15-10:30	S-VIII(09)	Analysis of the main Himalayan thrust fault system based on the 2015 Gorkha and 2023 Jajarkot earthquakes	**Sanjev Dhakal** and Ling Bai
10:30-10:45	S-VIII(10)	Analysis of the aftershock activity of the 2023 Western Nepal earthquakes	**Shiba Subedi**, György Hetényi, Lok Bijaya Adhikari, Frédérick Massin, Konstantinos Michailos

10:45 – 11:00 TEA BREAK

Technical Session –IX:
Geomorphology, Stratigraphy, Paleontology and Tectonics Hall-A

Chairperson: Prof. Dr. Peter J. Haproff
Co-Chairperson: Dr. Kamala Kant Acharya
Rapporteur: Alina Karki

Time	Presentation No.	Title of the papers	Authors
11:00-11:15	S-IX(01)	Revised lithostratigraphy and Paleo-Lakes of the Pokhara Valley: A Scientific Perspective	**Rajendra Kumar Chhetri,** Ram Bahadur Sah, Kabiraj Paudyal
11:15-11:30	S-IX(02)	Geological and Structural Framework of the Khairenitar Area, Southern Pokhara, Nepal	**Pramod Gautam**, Rajendra Kumar Chettri, and Kabi Raj Paudyal
11:30-11:45	S-IX(03)	Identification of fractured cross structure zone in Chandragiri-Markhu area, Lesser Himalaya, Central Nepal	**Pradip Devkota**, Sujan Raj Pandey, Lalu Prasad Paudel, Mary Hubbard

Time	Presentation No.	Title of the papers	Authors
11:45-12:00	S-IX(04)	Petromagnetic characteristics of purple sandstone laminae within the Middle Siwaliks of Amlekhganj area, Nepal	Pitambar Gautam, Khum N. Paudayal, Sudarshan Bhandari, **Babu R. Gyawali,** Takayuki Katoh
12:00-12:15	S-IX(05)	Geological study along the Khutti Khola watershed, Siraha district, eastern Nepal	**Manjari Acharya**, Sumitra Dhungana, Goma Khadka, Kabi Raj Paudyal and Ram Bahadur Sah
12:15-12:30	S-IX(06)	Geological study of northern part of the Pokhara valley with emphasis to geological structures and metamorphism	**Krishna Gotame**, Mahesh Joshi, Rajendra Chettri and Kabi Raj Paudyal
12:30-12:45	S-IX(07)	Geological Mapping and Structural Analysis of the Kathmandu Nappe and Nawakot Group Interface, North-West of Kathmandu, Central Nepal	**Rashmi Acharya** and Kabi Raj Paudyal
12:45-13:00	S-IX(08)	Presentation of Posters	Authors and coordinator

Technical Session–X:

Engineering geology and geo-techniques for infrastructure development Hall-B

Chairperson: Prof. Dr. Megh Raj Dhital
Co-Chairperson: Dr. Suman Panthee
Rapporteur: Indra Lamsal

Time	Presentation No.	Title of the papers	Authors
11:00-11:30 **Keynote**	S-X(01)	NMT for sustainable and environmentally friendly tunnelling	**Krishna Kanta Panthi**
11:30-11:45	S-X(02)	Assessment of blasting vibration and adverse impact on the underground support system and surrounding structure	**Ajay Pratap Singh Tomar** and Suman Panthee
11:45-12:00	S-X(03)	Numerical Modeling and Simulation of the Large-scale Landslide Dynamics	**Bikash Phuyal** and Prem Bahadur Thapa
12:00-12:15	S-X(04)	Integrated Numerical Simulation Approach (LEM, FEM and PFEM) for Cut Slope Stability Assessment in Lesser Himalayan Zone of Nepal	**Krishna Kumar Shrestha**, Kabiraj Paudyal and Prem Bahadur Thapa
12:15-12:30	S-X(05)	Study the Instability of Tunnel Portal: A case study of Siddhababa Road Tunnel, Lumbini Province, Nepal	**Krishna Prasad Sharma,** Naba Raj Neupane, Tulasi Ram Bhattarai

Time	Presentation No.	Title of the papers	Authors
12:30-12:45	S-X(06)	The Empirical Relationship between Soil Resistivity and Soil Strength Parameters as an Alternative to Soil Investigation	**Indira Shiwakoti**, Ashish Ratna Shakya, Krishna Kumar Shrestha, Sobit Thapaliya, Anil Pudasaini, Milan Magar, Alina Karki, Saroj Niraula, Gopal Bhandari
12:45-13:00	S-X(07)	Analyzing predicted rock mass classes with actual rock mass classes in pressurized headrace tunnel of Mewa Khola Hydroelectric Project	**Kanchan Chaulagai** and Ranjan Kumar Dahal

13:05-14:00 LUNCH BREAK

Technical Session –XI:
Mineralogy, Petrology, Geochemistry, Geochronology — Hall -A

Chairperson: Prof. Dr. Laurent Bollinger
Co-Chairperson: Prof. Dr. Reiner Klemd
Rapporteur: Basanta Devkota

Time	Presentation No.	Title of the papers	Authors
14:00-14:30 Keynote	S-XI(01)	Refining Thermometry: Assessing the Accuracy and Reliability of Metamorphic P-T Estimates	**Harel Thomas**
14:30-14:15	S-XI(02)	Tectono-metamorphic evolution of the Gyeonggi Massif in the Seoul area, Korea: An ancient analog of the Himalayan orogen	**Moonsup Cho**
14:45-15:00	S-XI(03)	Field relation, fabric and cooling history of Ipa Granite, Lesser Himalayan Granitoids, Central Nepal	**Sujan Raj Pandey**, Pradip Devkota, Mary Hubbard, Paul O'Sullivan, and Lalu Prasad Paudel
15:00-15:15	S-XI(04)	Petrography, depositional setting and provenance of the Gondwana Sequence in eastern Nepal Lesser Himalaya	**Drona Adhikari**, Krishna Prasad Niraula, Prashanta Rai, Nagesh Rijal, Lalu Prasad Paudel
15:15-15:30	S-XI(05)	Petrogenesis of Granites from the Palung area Central Nepal with its Deformational History	**Arjun Bhattarai**, Kabi Raj Paudyal, Lalu Prasad Paudel

Time	Presentation No.	Title of the papers	Authors
15:30-15:45	S-XI(06)	Geological Characteristics of Ulleri Augen Gneiss in the Birethanti-Ghodepani Area, Western Nepal	**Alina Karki**, Sushant Prasad Adhikari, Ashish Giri, Sujan Raj Pandey, Kabi Raj Paudyal, Harel Thomas, Lalu Prasad Paudel
15:45-16:00	S-XI(07)	Poster Presentation	Authors and coordinator

Technical Session –XII:
Engineering geology and geo-techniques for infrastructure development Hall –B

Chairperson: Dr. Subodh Dhakal
Co-Chairperson: Amar Bahadur Chand
Rapporteur: Arishma Gadtaula

Time	Presentation No.	Title of the papers	Authors
14:00-14:15	S-XII(01)	Rock Durability and Abrasion Characteristics: A Case Study of the Nawakot Group in Bagmati Province	**Sanjeeb Pandey** and Kabi Raj Paudyal
14:15-14:30	S-XII(02)	Railway network plan in Nepal	**Dinesh Raj Shamra** and Naresh Kazi Tamrakar
14:30-14:45	S-XII(03)	Young's modulus Anisotropy of foliated Metamorphic rocks of Nepal Himalaya	**Durga Prasad Bashyal** and Suman Panthee
14:45-15:00	S-XII(04)	Slope stability analysis using continuous slope mass rating along the Kanti Rajpath from Tinpane Bhanjyang to Khor Bhanjyang	**Ujjwal Krishna Raghubanshi** and Ranjan Kumar Dahal
15:00-15:15	S-XII(05)	The influence of geomechanical structure and variable rock mass parameters in slope stability study	**Sanjeev Regmi** and Ranjan Kumar Dahal
15:15-15:30	S-XII(06)	Recognizing Deep-seated Gravitational Slope Deformations around the Dam and Reservoir Rim surrounding area of Budhigandaki River basin	**Narayangopal Ghimire**, Ranjan Kumar Dahal, Lalu Prasad Paudel
15:30-15:45	S-XII(07)	Implementation of TBM Tunneling Project in Nepal, Himalaya	**Ajay Raj Adhikari** and Churna Bahadur Wali
15:45-16:00	Presentation of Posters		**Authors and Coordinators**

16:00-16:15 TEA BREAK

Technical Session –XIII: Mineralogy, Petrology, Geochemistry, Geochronology Hall-A

Chairperson: Prof. Dr. Michal Krobicki
Co-Chairperson: Dr. Moti Lal Rijal
Rapporteur: Guna Nidhi Pokhrel

Time	Presentation No.	Title of the papers	Authors
16:15-16:30	S-XIII(01)	Geology of hot springs in Nepal: an overview	**Ananta P. Gajurel,** Frédéric Girault, Christian France-Lanord, Balaram Upadhyaya
16:30-16:45	S-XIII(02)	Geological Study of Copper Mineralization in Pyuthan District, Western Nepal, Lesser Himalaya	**Ashok Dhakal,** Sunil Lamsal and Kabiraj Paudyal
16:45-17:00	S-XIII(03)	Geological Prospection of Talc and Magnesite in the Bhotekoshi River Section	**Ronit Paudel** and Kabi Raj Paudyal
17:00-17:15	S-XIII (04)	Texture and Maturity Status of Fluvial Sands in the Karnali River Basin: A Study of Downstream Sediment Variation	**Suman Maharjan** and Naresh Kazi Tamrakar
17:15-17:30	S-XIII (05)	Geological study of the graphite mineralization from Holban area of Gulmi District, Lumbini Province, Nepal	**Anita Pandey** and Kabiraj Paudyal

Technical Session –XIV: Engineering geology and geo-techniques for infrastructure development Hall –B

Chairperson: Prof. Dr. Monique Fort
Co-Chairperson: Aniruddha Poudel
Rapporteur: Narayan Gopal Ghimire

Time	Presentation No.	Title of the papers	Authors
16:15-16:30	S-XIV(01)	Landslide Inventory mapping in Bhutan	**Wangmo Nedup**, Wangmo Rinzin, Choden Phuntsho and Tashi Ngawang
16:30-16:45	S-XIV(02)	Seismic Performance of foundation with GEOGRID	**Samundra Kandel**, Bijaya Dangol, Bishal Khadka, Janak Bista, Jessica Karki, and Bibek Bishwokarma
16:45-17:00	S-XIV(03)	Tunneling in weak rock: A case study of Kathmandu University Research Tunnel	**Rupesh Shrestha**, Inisa Shrestha and Sailendra Shrestha

Time	Presentation No.	Title of the papers	Authors
17:00-17:15	S-XIV(04)	Need of integrated national landslide risk management strategy for reducing landslide risk in Nepal	**Arishma Gadtaula** and Gaurab Singh Thapa
17:15-17:30	S-XI V(05)	Geospatial distribution of landslides in the Lumbini Province	**Raksha Subedi**, Prashant Chaudhary, Pratik Gyawali

Technical Session II and VII (Poster Sessions) Hall-C

Coordinator: Dr. Kabi Raj Paudyal

Title of the papers	Authors
Assessment of raw materials used for ceramics tile body composition and their availability in Nepal Himalaya	**Samyog Khanal**
Geological Mapping and Facies Analysis of the Southwest Kathmandu Basin: Emphasizing Stratigraphic Framework and Settings	**Upendra Poudel**, Parbat Devkota, Ram Bahadur Sah, and Kabi Raj Paudyal
Geological Investigation of the Thabang-Jaljala Section in Western Nepal	**Birendra Basnet**, Sunul Lamsal and Kabi Raj Paudyal
Geological Mapping and Facies Categorization of Quaternary Sediments in Southeastern Kathmandu Valley	**Parbat Devkota**, Ram Bahadur Sah and Kabi Raj Paudyal
Lithostratigraphy and Facies Classification of Sediments in the Northeast Kathmandu Basin	**Binod Dhakal**, Ram Bahadur Sah and Kabi Raj Paudyal
Lithostratigraphy and Geological Setting of Tamghas-Dhurkot Area of Gulmi District, Lesser Himalaya	**Nirab Pandey**, Yubraj Subedi, Sunil Lamsal, and Kabi Raj Paudyal
Quantifying aluminum: analytical approaches to assessing exposure and impact on human health and well being	**Aasish Giri**, Madhu Sudan Pathak, Saurav Poudel and Roshan Paudel
Regional scale landslide susceptibility mapping of Lumbini Province using frequency ratio method	**Prabin Bhandari** and Avinash Mahat
Plant Fossils from the Siwalik Group of West Nepal and their Climatic Significance	**Sujata Poudel,** Purushottam Adhikari, Gaurav Srivastava and Khum N. Paudayal
Geological Mapping at the Western Section of the Jhimruk Khola with Emphasis on Deformation Structures and Micro-tectonics	**Sundar Adhikari**, Sunil Lamsal and Kabi Raj Paudyal
Background noise analysis of Kakani Seismic Station	**Aastha Poudel**, Shiba Subedi, Lok Bijaya Adhikari

Title of the papers	Authors
Environmental Seismic Noise Monitoring in Kathmandu Valley	**Nabina Timalsena**, Shiba Subedi, Lok Bijaya Adhikari
Past and present of the franco-nepalese collaboration in seismology	**Ludovic Desmeuzes**, Bharat Koirala, Chintan Timsina, Théo Besson, Lok Bijaya Adhikari, Laurent Bollinger and CEA/DASE + DMG collaborators
A decade of GPS monitoring in Nepal by Nepal Academy of Science and Technology	**Kabita Pandey**, Hari Ram Shrestha, Shiba Subedi, Bishal Nath Upreti
Impact of Landfill Leachate on Geotechnical Properties of Soil: A Study from Banchare Dada and Sisdole Landfill Sites, Nepal	**Ramesh Gautam**, Yubraj Dahal, Saroj Babu Koirala, Kabita Pandey, Bala Ram Upadhyaya, and Dilendra Raj Pathak, Ananta Prasad Gajurel
A GIS- based land suitability assessment for agriculture surface and lift irrigation in Sudurpaschim province, Nepal	**Nabin Raj Joshi**
A hill slope failure analysis: A case study of Hupsekot landslide, Nawalpur, Nepal	**Roshan Neupane,** Sunil Lamsal, Krishna Chandra Devkota. and Kabi Raj Paudyal
Geochemistry and petrogenesis of tonalite trondhjemite granodiorite gneisses of Babina area, District Jhansi, Uttar Pradesh	Aman Soni**, Harel Thomas,** Haritabh Rana, Rishabh Batri, Jyoti Bidolya and Satyam Shukla
Assessing geothhermometer suitability insights on garnet-clinopyroxene thermometer from Himalaya	Haritabh Rana**, Harel Thomas,** Aman Soni, Rishabh Batri, Jyoti Bidolya and Satyam Shukla

The 11th Nepal Geological Congress
10-11th March 2025
Kathmandu Nepal

Valedictory session

17:30-18:30

Activities MC- Ajay Raj Adhikari, General Secretary of NGS	
Session chair	Churna Bahadur Wali, President of NGS
Speech	• Prof. Dr. Mike Searle, Honorary member of NGS • Mr. Jagadishwar Nath Shrestha, Honorary member of NGS
Speech	Prof. Dr. Megh Raj Dhital, former President of NGS
Congress report	Prof. Dr. Khum N. Paudayal, Convener of NGC-XI
Session closing	Churna Bahadur Wali, President of NGS

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Ministry of Education, Science and Technology, GoN
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Department of Mines and Geology, GoN
Department of Electricity Development, GoN
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