



37th Himalaya-Karakoram-Tibet (HKT) Workshop, Torino (Italy) – final program

September 1st, 2025 (Monday): pre-conference short course

09.30-16.00: Short course - “*Microtectonics of Himalayan rocks: a tale of beauty*” @ **AULA POGNANTE, EARTH SCIENCES DEPARTMENT**, University of Torino - via Valperga Caluso 35, 10125, Torino

17.45-19.15: *Registration & Icebreaker party* @ **MUSEO REGIONALE DI SCIENZE NATURALI** - via Accademia Albertina 15, 10123 Torino

19.15-20.15: Matteo Sella: “*Seventy years since the Italian ascent of K2*”

37th HKT Main Workshop, 2nd-4th September 2025, Torino (IT)

Day 1 – September 2nd, 2025 (Tuesday)

08.00-09.00: Registration and main workshop @ **AULA MAGNA** of **DEPARTMENT OF LIFE SCIENCES AND SYSTEMS BIOLOGY** - via Accademia Albertina 13, 10123 Torino

09.00-09.45: 37th Himalaya-Karakoram-Tibet Workshop Opening

oral session: Structural Geology, Tectonics and Geodynamics
(conv. Epard - Grujic)

09.45 (**keynote**): Searle M., Cottle J.M., Jessup M.J. & Law R.D. - Mount Everest: Tectonic Evolution, Uplift history, Exhumation, River Capture and Models

10.15: Guo Y., Chu Y., Lin W., Lei Y., Liu T. & Guo L. - Depth-dependent variation of seismogenic fault behavior revealed by two phases of pseudotachylytes in the central section of the South Tibetan Detachment System

10.30: Fodor L., Barmuta J., Krobicki M. & Starzec K. - Mesozoic and Cenozoic deformations of the Tethyan sequence in the Kali Gandaki Valley, Nepal Himalaya

10.45: Sternai P., Pilia S., Ghelichkhan S., Bouilhol P., Menant A., Davies D.R., Ostorero L., Vaes B., Esposito R., Garzanti E., Cloetingh S. & Gerya T. - Raising the roof of the world: intra-crustal Asian mantle supports the Himalayan-Tibetan orogen

11.00 – 11.30 *Coffee break*
(conv. Hubbard - Imayama)

11.30: Grujic D., Arkula C., Cruz-Urbe A. & Rubatto D. - Exhumation of Continental UHP-rocks: Insights from Phengite and Zircon Geochronology in the Tso Moriri Massif

11.45: Hildebrand P. & Searle M. - Eastern Hindu Kush Microtectonics: multifaceted evolution in metapelite textures and assemblages

12.00: Singh S., Mohan Prabha S., Singhal S. & Kushwaha A. - Terrane characterization across NW Himalaya along Sutlej Valley, Himachal Himalaya



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12.15: Acharya M., Baral N. & Paudyal K.R. - Geological study of the Bhada Khola watershed, Bardiya district, Mid-western Nepal

12.30 – 14.00 Lunch break & Poster Session (conv. Hu - Nerone)

14.00 (**invited**): Bhattacharyya K., Parui C. & Ghosh P. - Unraveling Progressive Deformation Stages from Deformed rocks in Sikkim Himalaya: Some Results and Way Forward

14.15: Robinson D.M., Li Y., Ding L. & Metcalf K. - New Models for Northern Greater India and for Controls on Himalayan Deformation

14.30: Roy S., Barnes C.J. & Larson K. - Textural and geochronological study of white mica in the east-central Nepal Himalaya: compound in situ Rb/Sr and K/Ca geochronology

14.45: Schiffer W.J., Robinson D.M. & Faisal S. - A balanced cross-section across the Pakistan fold-thrust belt: interpreting the stratigraphy and structural framework of the Pakistan Himalaya

15.00: Xue W., Najman Y., Hu X., Persano C., Stuart F., Wildman M., Tang G., Gong L. & Wang Q. - Underthrusting Indian Continent Explains Late Eocene to Oligocene Exhumation Difference between the Western and Central Tibetan Plateau

15.15: Haproff P.J., Hubbard M., Catlos E.J., Pandey S.R., Devkota P. & Gajurel A.P. - Preliminary field evidence for orogen-perpendicular, cross-faulting in central Nepal

oral session: Metamorphic and Igneous Petrology, Geochemistry and Ore Deposits

15.30: Cawood I.P., Weller O.M., Waters D.J., St-Onge M.R., Searle M.P., Mackay-Champion T., Palin R.M., Ahmad T. & Zhao G. - Integrating the metamorphic records of pelitic and metabasic sequences from the Zaskar Himalaya, Suru Valley region, NW India

15.45: Groppo C., Tursi F., Frezzotti M.L., Maroni A., Nerone S. & Rolfo F. - Anatectic (silico)-carbonatites generated by in-situ partial melting of calc-silicate rocks (Greater Himalayan Sequence)

16.00 – 16.30 Coffee break (conv. Catlos - Singh)

16.30: Nerone S., Groppo C., Ágreda-López M., Petrelli M., Lanari P., Berger A., Markmann T. & Rolfo F. - Petrological oddities from the Himalaya explained using a multi-method approach coupled with thermodynamic modeling

16.45: Wang J-M., Rubatto D., Lanari P., Tian Y.-L., Chen Y. & Fu-Yuan Wu F.-Y. - Low total REE zircon formed in equilibrium with hornblende in granulitized eclogites: Implications for exhumation rates

17.00: Jan M.Q. & Ullah R. - Hornblendite Occurrences in the Cretaceous Kohistan Island Arc of the NW Himalaya in Pakistan

17.15 (**invited**): Paudyal K.R., Lamsal S., Regmi A., Paudyal E., Sharma U., Paudel R., Dhakal A., Gyawali G., Acharya M., Paudel L.P., Kaphle K.P. & Sah R.B. - The Future of Metallic Mineral Resources Development in Nepal: A Geological Appraisal from Copper Exploration in the Himalayas



17.30: Gaire P., Bhandari S. & Thapa S.K. - Dhaubadi Ooidal ironstone/ Iron ore deposit, Gandaki Province, Nepal

17.45: Khubab M., Wagreich M., Iqbal S., Schöpfer K. & Ullah M. - Genesis and Parental Affinity of Bauxite Deposits of the Salt Range, Pakistan

Day 2 – September 3rd, 2025 (Wednesday)

oral session: Paleoealtimetry and Paleoenvironment (conv. Thiede - Montemagni)

09.00 (**keynote**): Gébelin A., Law R.D., Webster T.J., Stahr III D.W., Mulch A., Teyssier C. & Manguin O. - Fluid-rock deformation interactions in the fossil Zaskar detachment footwall (NW India) as a proxy of tectonic regime and past topography

09.30: Fellin M.G., Faccenna C., Battistel D., Iori E., Olivetti V., Olivieri L.M., Scherler D. & Sembroni A. - Reconstructing the Paleoenvironment of the Lower-Middle Swat Valley: new Insights into the Rise of the Gandhara Culture

09.45: Fidalgo J.C., Gébelin A., Grujic D., France-Lanord C., Dupont-Nivet G., Ruffet G. & Alexandre A. - Stable isotope paleoealtimetry of the Bhutan region

10.00: Ma A., Li L., Li G., Zheng B., Li K., Hu X. - Sediment burial-induced dolomitization and implications for Eocene paleoelevation of the Qiangtang terrane, central Tibet

10.15: Melis R., Mulch A., Chen F., Vonhof H. & Zhang B. - Oxygen and hydrogen isotopes in fluid inclusions record surface uplift of the Himalaya in the South Tibetan Detachment shear zone (Ramba Dome, Northern Himalaya)

10.30: Villa I.M., Stahr D.W. & Webster T.J. - Petro-hydro-chronology and paleoelevation of the Zaskar gneiss

oral session: History of Himalayan Geology

10.45: Clark-Lowes D. - Richard Strachey's contribution to Himalayan geology

11.00 – 11.30 Coffee break

oral session: Neo-Tethys Ophiolites (conv. Paudyal - Katakali)

11.30 (**invited**): Bhowmik S.K., Pradhan B. & Das D. - Melt-driven Major Element Metasomatism of Compositionally Zoned Garnet and Metamorphic Timescales: New Insights into Ultra-hot Subduction Initiation of the Neo-Tethys

11.45: Imayama T., Sato A., Dutta D., Kaneda Y., Watanabe S., Hasegawa T., Minami M., Wakasugi A., Wakaki S., & Yi K. - Geodynamic evolution and intense mantle depletion in a supra-subduction zone: The Early Cretaceous Nidar Ophiolite Complex, NW India

12.00: Pradhan B., Bhowmik S.K. & Lukose L. - Contrasting Prograde Burial-Heating History of High-temperature Metamorphic Sole Rocks in the Nagaland-Manipur Ophiolite Belt, NE India: Mechanical Coupling-Decoupling Processes during Ultra-hot Subduction Infancy



12.15: Reubi O., Buret G., Epard J.-L., Buchs N., Ulianov A. & Müntener O. - From supra-subduction ophiolite to a differentiated intra-oceanic arc, the zircon record of the Nidar Ophiolite in Ladakh, Indian Himalayas

12.30 – 14.00 Lunch break & Poster Session

14.00: Zhang C., Liu C.-Z., Liu T., Ji W.-B., Zhang Z.-Y. & Wu F.-Y. - Petrogenesis of Crustal Rocks from the Northern Luqu Ophiolite within the Yarlung-Tsangpo Suture Zone, Southern Tibet and Implications for the Neo-Tethys Evolution

oral session: Sedimentary Geology, Stratigraphy and Paleontology
(conv. Najman - Myrow)

14.15: Bajpai S. & Rautela A. - Timing of India-Asia collision: Evidence from an early Eocene (~55 Ma) terrestrial vertebrate fauna from western India

14.30: France-Lanord C., Galy A., Galy V., Limonta M., Rigaudier T., Ryb U. & Tachambalath A. - Carbonates in turbidites of the Bengal Fan and erosion of Himalayan carbonated formations since Miocene

14.45 (**invited**): Limonta M., France-Lanord C., Galy A., Gurenko A., Bouden N. & Garzanti E. - Oxygen isotopic composition of single detrital quartz grains: a new tool in detrital provenance studies (Bengal Fan, IODP Expedition 354)

15.00: Hughes N.C. & Myrow, P.M. - The form of the north Indian margin prior to Himalayan collision: evidence from widespread Neoproterozoic and early Palaeozoic rocks

15.15: Rožič B., Krobicki M., Žvab Rožič P., Starzec K., Gale L., Iwańczuk J. & Kwietniak A. - Installation and sedimentary evolution of the Early Jurassic carbonate platform on the India northern passive margin (Jomsom Formation, Kali Gandaki valley, Nepal)

15.30: Krobicki M., Starzec K., Iwańczuk J., Rožič B., Žvab Rožič P. & Kwietniak A. - The Early Jurassic Lithiotis type bivalves biostromes along Kali Gandaki Valley (Thakkhola region, northern central Nepal)

15.45: Tewari V. - Eastern Himalayan -Meghalayan Tethys in India and Western Alpine Tethys in Adriatic Platform, Trieste, Italy: Comparative Paleocene–Eocene foraminifera, shallow tidal carbonate sedimentation, isotope chemostratigraphy and paleobiogeography

16.00 – 16.30 Coffee break

16.30-18.30: **Poster Session** (posters and corresponding panel numbers are listed at the end of the document)

20.00: **Social Dinner** @ Restaurant “**AL MONTE DEI CAPPUCCINI**” - via Salita al CAI Torino, 12 - Torino

Day 3 – September 4th, 2025 (Thursday)

oral session: Sedimentary Geology, Stratigraphy and Paleontology
(conv. Robinson - Krobicki)



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09.00 (**keynote**): Hu X., Wen D., Pan Y., Garzanti E., Dong X., Ma A., Deng T. & Zhao Z. - No oceanic-subduction-related Yidun arc in the eastern Tibetan Plateau

09.30: Najman Y., Luan X., Sobel E., Millar I., Garzanti E., Zapata S., Vezzoli G., Saw Mu T.L.P. & Day W.A. - Effects of the India-Asia collision: Magnitude and timing of movement on the Sagaing Fault, Myanmar

oral session: *Faults and Active Tectonics, Earthquakes, Seismic and Natural Hazards*

09.45: Catlos E.J., Haproff P. & Hubbard M. - Deep Strike-Slip Seismicity Along Himalayan Lineaments: Revisiting the Structural Role of Transverse Features

10.00: Girault F., France-Lanord C., Adhikari L.B., Gajurel A.P., Upreti B.N., Paudyal K.R., Agrinier P., Losno R., Groppo C., Rolfo F., Thapa S., Tamang S., Assayag N., Cordier L., Robert M.-M., Bhattarai M., Bhattarai S., Pokharel T., Jha M. & Perrier F. - Crustal fluids in the Nepal Himalaya and sensitivity to the earthquake cycle

10.15 (**invited**): Han Z., Guo P. & Niu P. - Tectonic activity and Seismic Hazard of the Main Pamir Thrust (MPT) in the western Himalayan syntaxis

10.30: Lisa M. - Seismicity, Seismotectonics, and Focal Mechanism Solutions in the Northern Himalayas, Pakistan

10.45: Pettenati F., Sandron D., Verza G., Vuan A. & Picozzi M. - On the Accelerating Foreshock Activity prior to the 7 January 2025 Mw7.1 Dingri, Xizang (Tibet) earthquake

11.00 – 11.30 *Coffee break*
(conv. *Limonta - Rozic*)

11.30: Ren Z., Bao G., Liu J., Wang L., He Z., Ji H., Guo L. & Li X. - The activity of the Nalati fault from strike-slip to thrust folding within the Tianshan Mountains

11.45: Zhongtai H., Xingao L., Zhikun R., Linlin L., Lei W., Haomin J., Xiaoxiao Z., Long G. & Liangliang W. - Spatial distribution and regional tectonic significance of the newly discovered Kalawenguquan fault in the interior of the Tian Shan Mountain Range, Western China

12.00: Hubbard M., Gajurel A., Mukul M., Srivastava V., Paudel L., Haproff P. & Catlos E.J. - Topographic and Structural Expression of Cross Faults in the Himalaya

12.15: Lavé J., Huber M., Khatiwada S. & Scholtès L. - Giant collapses of high Himalayan peaks and their impact on the Himalayan landscapes

12.30: Fort M. - Increasing hazards in the rain-shadow side of the Himalayas: how to be prepared to Climate Change? Focus on 2023 flood in Kagbeni (Mustang District), Nepal

12.45 – 14.00 *Lunch break & Poster Session*

oral session: *Thermochronology*
(conv. *Fellin - Wang*)

14.00 (**invited**): Thiede R.C., Scherler D. & Glotzbach C. - Plio-Pleistocene accelerate fluvial incision of Southern Tibet cause the reactivated rise of the Greater Himalaya?



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14.15: Ghani H., Razzaq S.S., Ali N., Ghani M., Ishfaq M., Irum I., Dunkl I., Sobel E.R., Kley J. & Sajid M. - An overview on the Miocene to Pliocene spatio-temporal structural evolution of the Western Himalayan Orogen in Pakistan: New evidence from low temperature thermochronology (*updated – swapped with poster #9 as authors' request*)

14.30: Kordt J., Dey S., Bookhagen B., Rugel G., Lachner J., Vivo-Vilches C., Panda S.K., Chauhan N. & Thiede R. - Rapid Late Pleistocene frontal fault growth and Sutlej drainage reorganization in the western Himalaya: Implications for the evolution of Himalayan drainage systems

14.45: Razzaq S.S., Ghani H., Kley J., Dunkl I., Sobel E.R., Thiede R., Ghani M. & Ishfaq M. - Asymmetrical Exhumation and Fault Dynamics Across the Western Himalayan Syntaxis: Insights from Low-Temperature Thermochronology on Orogenic Wedge Deformation

oral session: From Peaks to People

15.00: Paudel T.P., Gajurel A.P., Guragain T., Bhote D.F.L. & Maharjan D. - Microplastics research along the route from Everest Base Camp to Everest summit

15.15: Gajurel A.P., Girault F., France-Lanord C. & Upadhyaya B. - Hot springs and their tectonics settings: an overview from Nepal Himalaya

15.30: Paudyal K.R. - Proposal for the development of the first Earth Sciences Museum in Nepal (Tribhuvan University)

15.45 - 16.45: General discussion and forthcoming HKT Workshop

16.45: Meeting with the field trip's attenders - general instructions

End of the 37th HKT main workshop

Day 4 & 5 – September 5th-6th, 2025 (Friday-Saturday)

Two-day post-conference field trip across the Western Alps (First day- Monviso Massif; Second day - Northern Dora-Maira Massif) for registered participants.

Posters List

1. Baig SS., Faccenna C. & Xue C. - Tectono-Magmatic and Metamorphic Evolution in southern Karakoram Block, Hunza NE Pakistan: A new concept of Neo-Tethys subduction
2. Carosi R., Chen J.-, Montomoli C., Iaccarino S., Cao H. & Kylander-Clark A. - Normal shearing in the North Himalayan Gneiss Domes (SE Tibet): a progressive shift from the Cuonadong to the Yalaxiangbo domes
3. Catlos E.J., Sorkhabi R., Locmelis M., Priimak L.D. & Pitambar Gautam - Detrital Garnet Thermobarometry (DGT) of the Siwalik Group in Surai Khola of Nepal: Insights into Provenance and Exhumation from the Himalayan Foreland Basin
4. Davis S., Robinson D.M. & Metcalf K. - Sedimentary Provenance of the Mesozoic and Cenozoic stratigraphy, Tethyan Fold Thrust Belt, South-Central Tibet
5. Dey S., Godard V., Thiede R., Das S., Bookhagen B., Scherler D. & ASTER team - Tectonic and Climatic coupling on bedrock gorge incision in the western Himalayan interiors
6. Ferrando S., Pasero F., Maffei A., Frezzotti M.L., Groppo C. & Rolfo F. - Metamorphic evolution and fluid production in anatexitic metapelite xenoliths from the Tibetan Plateau (northern Karakorum, China)



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7. Ge Z.Y. & Jiang H.H. - Spatial and temporal distribution of Channel conglomerates from the Xigaze forearc basin and constraint on the erosion rate in the Late Cretaceous Gangdese arc
8. Gébelin A., Dupont-Nivet G., Licht A., Rivera L., Fidalgo J.-C., Moreau K., Feng Z., Xiaomin F., Lavé J., France-Lanord C., Alexandre A., Grujic D., Mercadier J. & Ruffet G. - The Tibetan-Himalayan paleotopography: The "TIBETOP" Project
9. Ghani M., Ghani H., Sobel E., Kley J., Dunkl I., Hindle D., Razzaq S.S. & Ishfaq M. - Thermochronologic Constraints on the Deformation History of the Kirthar Fold-and-Thrust Belt, Balochistan, Western Pakistan
10. Ghazoui Z., Gemignani L., Carcaillet J., Fort M., Carosi R. & van der Beek P. - Glacial and landslide controls on the geomorphology of the Himalayan lakes: Insights from Lakes Rara and Phoksundo, western Nepal
11. Guo P., Han Z., Niu P., Jiang W. & Ma H. - An active transtensional fault system across the northeastern margin of the Tibetan Plateau and its tectonic implications
12. Hernández-Chaparro D., Faccenna C., Olivetti V., Fellin M.G. & Ghani H. - Oligocene to mid-Miocene Uplift and exhumation along the reactivated Main Mantle Thrust in the Swat Valley (Northern Pakistan).
13. Iaccarino S., Montomoli C., Pippo E., Carosi R., Cottle J. & Lanari P. - High-Temperature, Low-Pressure Shear Zones in the Greater Himalayan Sequence (Eastern Nepal): First Constraints on P-T-D-t Conditions
14. Ishfaq M., Ghani H., Kley J., Dunkl I., Razzaq S.S. & Ghani M. - Linking Structural Restoration and Thermochronology to Decode the Deformation and Exhumation History in the Western Kohat Fold and Thrust Belt, Pakistan
15. Javaid W., Millonig L. & Marschall H. - Lost arcs of the Tethys? Insights from U-Pb garnet geochronology of Kohistan Arc
16. Kordt J., Dey S., Bookhagen B., Rugel G., Lachner J., Vivo-Vilches C., Panda S.K., Chauhan N. & Thiede R. - Late Pleistocene terrace formation and Holocene mass movements recorded in the Ravi drainage basin in the northwestern Himalaya
17. Krobicki M., Ahmad T., Chauhan H., Dar R.A., Bhat M.I., Paudel L.P. & Upreti B.N. - The Early Permian peperites within the Panjal Traps of Kashmir Valley, NW Himalaya, India
18. Kushwaha A., Putlitz B., Ulyanov A., Baumgartner L.P., Singh S. & Epard J.L. - Partial Melting and Leucogranite Generation in the Higher Himalayan Crystallines along Sutlej Valley: Insights from Zircon Geochronology and Petrogenesis
19. Lamsal S., Bhandari G., Kandel A. & Paudyal K.R. - Structural Architecture and Microstructural Features of the Jajarkot Thrust Sheet, Western Nepal
20. Li Y., Robinson D.M., Ding L. & Metcalf K. - Crustal Melt Presence and Removal Controls Crustal Strength and Influences the Development of Deformation Mode in the Himalayan Orogen
21. Montemagni C. & Villa I.M. - Petrochronology of Shear Zones: Insights from the Himalayas
22. Montomoli C., Iaccarino S., Montemagni C., Nania L. & Carosi R. - Constraining the Multistage Evolution of a Regional Shear Zone: The Case of the South Tibetan Detachment System
23. Nayak R., Choudhary A. & Bhowmik S.K. - Origin of Spinel – Muscovite – Anorthite intergrowths in Calc-pelitic schists in the Lesser Himalayan Sequence of the Western Arunachal Himalayas: Tectonic Significance
24. Nusrat N., Xingyuan L. & Xiaozhong H. - Geochemical Interactions of Selenium-Rich Soils with Heavy Metals: Implications For Global Environmental Pollution and Human Health
25. Paudyal K.R., Carosi R., Montomoli C., Iaccarino S., Lamsal S., Acharya M., Parajuli I., Basnet B., Sah R.B. & Paudel L.P. - Tectonometamorphic Stages in the Nepal Lesser Himalaya: A Case Study from Thrust Sheets and Autochthonous Successions
26. Pedini M., Mazzoli S., Grujic D., Hetényi G., Moreau J. & Torvela T. - From shortening to extension of the Tethyan Himalaya: Reconstructing the northern Indian passive margin
27. Robyr M. - Testimony of pre-Himalayan metamorphism in the High Himalayan Crystalline rocks of the Miyar Valley (NW India)
28. Rolfo F., Groppo C. & Mosca P. - A 20 years long petrologic journey across the Himalaya in Nepal
29. Starzec K., Kwietniak A., Krobicki M., Barmuta J., Fodor L., Upreti B.N. & Gajurel A.P. - Sedimentary and tectonic records of paleoseismic events in the Quaternary deposits of the Kali Gandaki (Thakkhola Valley) central Nepal Himalaya



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30. Wei J., Wang A., Grujic D. & Wang G. - Constraints on the timing of the Great Counter-thrust from low temperature thermochronology in the eastern Himalaya
31. Das D., Bhowmik S.K., Pradhan B., Lukose L., Yadav S. & Upadhyay D. - $\leq$ c. 103-95 Ma Forearc sedimentation in the Nagaland-Manipur Ophiolite Belt, NE India: Implications for Subduction Initiation tectonics within the South-Eastern arm of the Neo-Tethys
32. Jiang H., Wang J., An W., Sun G. & Ge Z. - On the tectonic and climatic controls of silicate weathering in the Late Cretaceous Gangdese arc
33. Rehman A.U., Marschall H., Kutzschbach M. & Gerdes A. - Unraveling Mid-Miocene Exhumation of the Besham Complex Using In Situ White Mica Rb–Sr Geochronology
34. Roy B., Thiede R., Simon S., Kumar A., Moharana S., Dey S. & Elling F.J. - Elevation affects bacterial lipidbased environmental proxies: A Himalayan to Global perspective
35. Adhikari D., Thomas H., Rana H., Soni A. & Paudel L.P. - Geochemical and petrographic insights into the Gondwana rocks of the Barahakshetra–Ranitar area, eastern Nepal Himalaya
36. Ahsan N., Mahmood T. & Miraj M.A.F. - Structural modeling and restoration of brittle deformation in the NW Himalaya (Pakistan) using geological and seismic data
37. Ali A. & Salam H. - Micro-mesotectonic fabric of the Higher Himalayan Rocks: case study from Swat Valley, North Pakistan
38. Ali N., Sobel E.R., Bernhardt A., Ghani H., Sajid M. & Gerdes A. - Reevaluating the India-Asia Collision in the Pakistani western Himalayas: Provenance Shifts and Sedimentary Constraints Indicating a Collision Age of $\sim$ 56 Ma
39. Anees M., Hindle D., Meneses Rioseco E., Kley J., Leiss B. & Shah M.M. - Geothermal implications of the thermal structure of lithosphere in northern Pakistan
40. Awais M., Hanif M., Adnan M., Ishaq M. & Rizwan M. - Genesis of nodularity in the Middle Eocene Neo- Tethys carbonate rock unit: A case study from the Kohat Plateau, Pakistan
41. Ayyamperumal R. & Gnanasambandan N. - Constraining the Indo-Burmese Convergence: Thermochronological Evidence from Eocene Detrital Fission Tracks
42. Bhandari B.P., Regmi M. & Dhakal S. - Threats of Paleo landslides reactivation to the Himalayan people; insight into Sindhupalchok District of Nepal
43. Bhattarai A., Paudyal K.R. & Paudel L.P. - Petrogenesis of Granites from the Palung area Central Nepal with its Deformational History
44. Chettri R.K., Sah R.B. & Paudyal K.R. - Revised Lithostratigraphy and Paleo-Lakes of the Pokhara Valley: A Scientific Perspective
45. Choudhary S., Thakur M., Romano P., Tantillo M. & Klemperer S.L. - Mechanism of Geothermal Activity based on Geochemical and Isotopic data in the Northwestern Himalaya, India
46. Ejaz A., Ahsan N. & Miraj M.A.F. - Paleostress Inversion of the Hettangian-Messinian Rocks, Hazara-Kashmir Basin, NW Himalayas, Pakistan
47. Gardezi S.A.H., Luan X. & Sun Z. - Structural Evolution of Mud-Intrusive and Mud-Extrusive System in the Makran Accretionary Wedge: Tectonic Insights from the India-Arabia-Eurasia Triple Junction
48. Ghimire N., Dahal R.K. & Paudel L.P. - Integrated Geomorphic and Geotechnical Approach for Exploring Deep-seated Gravitational Slope Deformation around the Budhigandaki High Dam Reservoir, Central Nepal Himalaya
49. Ghimire P.C., Poudyal K.N. & Dhital M.R. - Frequencies and Mechanisms of Slope instabilities along the Muglin-Narayanghat Highway of Nepal Himalaya
50. Hifzurrahman & Sen K. - Geochemical characterization of metavolcanics from the Wangtu Gneissic Complex, NW Himalaya suggests Proterozoic arc magmatism along the northern Indian cratonic margin
51. Hossain M.S., Khan M.S.H., Sultana Z. & Shetu D.Y. - The structure and seismic hazard of the Chittagong Coastal Fault - the frontal thrust of the Indo-Burmese forearc system
52. Karki A., Adhikari S.P., Giri A., Pandey S.R., Paudyal K.R., Thomas H. & Paudel L.P. - Metamorphic Fabrics and Field Relation of Ulleri Augen Gneiss of West-Central Nepal
53. Khan M.J., Ghazi S., Yang X & Mehmood M. - Insights into the Paleocene sedimentary successions eastern Tethys, Pakistan
54. Khan M.U., Chen N. & Khan T.A., - Formation mechanism of rainfall and snowmelt jointly induced Bicharh Nallah debris flow, North Pakistan



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55. Khan S.A. & BiBi R. - Assessment of hydrocarbons in Produced Water, Sadqal Oil and Gas Field, Fateh Jang, Pakistan
56. Khanal S., Acharya R., Kandel S.P. & Paudel L.P. - Lithostratigraphy and sandstone petrography of the sub himalaya along trijuga valley, eastern Nepal
57. Kandel D., Lamsal S., Luintel S., Gautam A., Nepal R. & Poudel K.R. - Geological study of metallic mineral deposits in Gulmi district, Lesser Himalaya, Western Nepal
58. Latif K., Riaz M. & Xiao E. - Microbial controls on carbonate coated grains: Insights from the Miaolingian Zhangxia Formation (North China Platform)
59. Li X., Chen D., Pan B., Garzanti E., Wang K.E., Chen D., Fu X., Mo Q., Hu D., Huang D. & Liu W. - Outward growth of the NE Tibetan Plateau: Insight from the Jinta Basin sedimentary record (NW China)
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