

ORAL PRESENTATIONS

Schedule as of 31.08.2018, not expected to change

Monday September 10

Introductory session (*chair: Hetényi G*)

08:45-08:55 Introduction

08:55-09:50 **Molnar P** (*invited keynote*)
The Growth of the Tibetan Plateau

09:50-10:10 **Burg JP**, Moulas E, Tajcmanová L, Cioldi S
Duration of inverted metamorphic sequence formation across the Himalayan Main Central Thrust, Sikkim, NE India

10:10-10:30 **Robyr M**
The Shikar Beh nappe: An enigmatic but factual NE-verging structure in the NW Indian Himalaya – In honour of Albrecht Steck

10:30-11:20 **POSTER SESSION A** (*coffee*)

Structural Geology and Tectonics: West to East “around” the Himalaya (*chair: Montomoli C*)

11:20-11:35 **Qayyum A**, Willem Poesse J, Ahsan N, Kaymakci N, Langereis C
Tectonic development of Potwar Plateau and Salt Range, NW Himalayas, Pakistan

11:35-11:50 **Bhattacharya G**, Robinson D, Orme D, Najman Y, Olree E, Bosu S
Low-temperature thermochronology of the Indus basin in NW India: Implications for Miocene cooling

11:50-12:05 **Buchs N**, Epard JL, Müntener O
U-Pb zircon ages from a suprasubduction zone ophiolite, Nidar, NW Himalaya, India: Incipient arc magmatism in fore-arc oceanic crust

12:05-12:20 **Schulze N**, Spiess V, van der Woerd J, Daut G, Haberzettl T, Wang J, Zhu L
Evidence for east-west extension across Lake Nam Co, Tibetan Plateau: Results from high-resolution 2D seismic data

12:20-14:20 *Lunch*

Geodynamics (*chair: Guillot S*)

- 14:20-14:35 **Webb A**, Guo H, Clift P, Husson L, Müller T, Costantino D, Yin A, Xu Z, Wang Q
Himalayan tectonics in three dimensions: Slab dynamics controlled mountain building, monsoon intensification, and asymmetric arc curvature
- 14:35-14:50 **Kelly S**, Beaumont C, Butler J
Geodynamical models of the lithospheric-scale evolution of the Hindu Kush and Pamir and implications for the Himalayan-Tibetan orogen
- 14:50-15:05 **Rohrmann A**, Barbolini N, Meijer N, Yang Z, Dupont-Nivet G
High Central Tibet at the onset of Indo-Asian collision derived from leaf-wax hydrogen and palynology data
- 15:05-15:20 **Dupont-Nivet G**, Meijer N, Kaya M, Westerweel J, Tardif D, Barbolini N, Rohrmann A, Aminov J, Licht A, Poblete F, Roperch P, Hoorn C, Proust JN, Fluteau F, Donnadiou Y, Guillot S, Guo Z, Aung D
Paleogeographic and paleoenvironmental reconstructions of the India-Asia collision
- 15:20-15:35 **Parsons A**, Hosseini K, Sigloch K
Seismic tomographic constraints for the Jurassic-to-present plate tectonic evolution of the Tethyan realm and the Himalayan-Alpine orogenic belt
- 15:35-16:45 **POSTER SESSION A** (*coffee*)

Structural Geology and Tectonics: MCT, STD and inside the Himalaya (*chair: Lupker M*)

- 16:45-17:00 **Liu S**, Zhang J, Wang J, Ling Y
Structural and temporal insights into the South Tibetan Detachment System shear zone in Dinggye area, Central Himalaya: Implications for the evolution from crustal thickening to ductile extrusion of the mid-crust during the Himalayan orogeny
- 17:00-17:15 **Webster T**, Gévelin A, Law R, Stahr D, Mulch A
Meteoric fluid-rock interaction in the footwall of the South Tibetan Detachment, Sulej Valley and Zaskar, NW India
- 17:15-17:30 **Montemagni C**, Carosi R, Iaccarino S, Montomoli C, Jain A, Villa I
Microstructural and geochronological investigations of the Main Central Thrust Zone and the South Tibetan Detachment System in the Alaknanda–Dhauliganga Valleys, NW India
- 17:30-17:45 **Nania L**, Montomoli C, Iaccarino S, Leiss B, Di Vincenzo G, Carosi R
Non-coaxial flow and time constraints of the South Tibetan Detachment System in Central Himalaya: An example from the Lower Dolpo and the Kali Gandaki Valley, Nepal
- 17:45-18:00 **Carosi R**, Montomoli C, Cottle J, Iaccarino S, Tartaglia G, Visonà D
Dating the High Himalayan Discontinuity and the Main Central Thrust in the Marshyangdi Valley, Central Nepal, by in-situ U-Th-Pb monazite petrochronology

18:20; 18:30 Group photo; Buffet dinner

Tuesday September 11

Surface processes and Gorkha earthquake (chair: King G)

- 08:45-09:00 **Lavé J**, Benedetti L, Valla P, Guérin C, France-Lanord C
Giant landslide deposits and the modalities of their removal by fluvial sediment export in the central Himalayas
- 09:00-09:15 **Schide K**, Lupker M, Gallen S, Märki L, Gajurel A, Haghypour N, Christl M, Willett S
Evaluating the role of coseismic landsliding on cosmogenic nuclides, erosion rates, and topographic evolution in mountainous landscapes: A case study of the Mw 7.8 Gorkha earthquake, Nepal
- 09:15-09:30 **Märki L**, Lupker M, Gajurel A, Haghypour N, Schide K, France-Lanord C, Lavé J, Morin G, Gallen S
Evaluating the impact of earthquake-triggered landslides on riverine sediment and organic carbon export in the Central Himalaya
- 09:30-09:45 **Lenard S**, Lavé, France-Lanord C
¹⁰Be - Sr - Nd applied on Bengal fan Expedition 353-354: A record of Late Cenozoic Himalayan erosion
- 09:45-10:00 **Gajurel A**, France-Lanord C, Lupker M, Lavé J, Rigaudier T
Evaluation of stable isotopic composition of Nepalese rivers before and after the Mw 7.8 Gorkha earthquake

10:00-10:50 **POSTER SESSION B** (coffee)

Natural hazards and Paleoseismology (chair: Kufner SK)

- 10:50-11:05 **Karki A**, Kargel J
Geological and lithological controls on landslides relevant to Nepal's hydroelectric power: The case of the Jure landslide
- 11:05-11:20 **Dini B**, Manconi A, Löw S
Slope activity and processes in the Himalaya of Northern Bhutan
- 11:20-11:35 **Subedi S**, Hetényi G, Sauron A
The "Seismology-at-school in Nepal" project
- 11:35-11:50 **Pandey A**, Jayangondaperumal R, Singh Rao P, Singh I, Lochan Mishra R, B Srivastava H, Srivastava P
The 17th century great earthquake at Hime village, Subansiri River Valley, Eastern Himalayan Front, India
- 11:50-12:05 **Rajendran CP**, Rajendran K, John B, Sanwal J, Karthikeyan A
The medieval cluster of great earthquakes: Implications for earthquake recurrence in the Central Himalaya

12:05-14:00 *Lunch*

Mineralogy and Petrology (chair: Buchs N)

- 14:00-14:15 **Phillips S**, Argles T, Harris N, Warren C, Roberts N
The petrogenesis of kyanite leucogranites in Bhutan, Eastern Himalaya
- 14:15-14:30 **Shrestha S**, Larson K, Duesterhoeft E, Soret M, Cottle J
Thermodynamic modelling of phosphate minerals: Implications for the development of P-T-t histories recorded in garnet and monazite bearing metapelites
- 14:30-14:45 **Imayama T**, Arita K, Fukuyama M, Yi K, Kawabata R
1.74 Ga crustal melting after rifting at the northern Indian margin: Investigation of mylonitic orthogneisses in the Kathmandu area, Central Nepal
- 14:45-15:00 **Lihter I**, Larson K, Shrestha S, Cottle J
Contact metamorphism of the Upper Mustang massif, west-central Nepal
- 15:00-16:10 **POSTER SESSION B** (coffee)

Mineralogy and Petrology (chair: Grujic D)

- 16:10-16:25 **Iaccarino S**, Montomoli C, Carosi R, Montemagni C, Massonne HJ, Jain A, Villa I, Visonà D
Inverted metamorphic gradient in large-hot orogens: The case of the Main Central Thrust zone in the Alaknanda-Dhauliganga Valleys, Garhwal Himalaya, India
- 16:25-16:40 **Braden Z**, Godin L, Kellett D, Yakymchuk C, Cottle J
Chasing a moving target: The age of the Main Central Thrust
- 16:40-17:00 **Villa IM** (invited)
Himalayan geochronology: A road map for the next 15 years

Travel alone to gala dinner location (<40 minutes net by public transport)

- 18:30 *Buffet dinner*

Wednesday September 12

Geophysics and Seismotectonics (*chair: Diehl T*)

- 09:00-09:15 **Kufner SK**, Kakar N, Schurr B, Yuan X, Metzger S, Shamal S
Seismotectonics of NE Afghanistan
- 09:15-09:30 Hoste-Colomer R, **Bollinger L**, Lyon-Caen H, Bhattarai M, Koirala B, Gupta R, Kandel T, Timsina C, Coirentin C, Adhikari L
Structural controls of the seismicity revealed by the Himalaya-Karnali network experiment in Western Nepal
- 09:30-09:45 **Ghosh A**, Mendoza M, Li B, Karplus M, Nabelek J, Sapkota S, Adhikari L, Klemperer S, Velasco A
Fault structure and earthquake dynamics of the 2015 Mw 7.8 Gorkha earthquake in Nepal using aftershocks recorded by the NAMASTE, a dense local seismic network
- 09:45-10:00 **Grujic D**, Hetényi G, Cattin R, Baruah S, Benoit A, Drukpa D, Saric A
Stress transfer and connectivity between the Bhutan Himalaya and the Shillong Plateau
- 10:00-10:15 **Dal Zilio L**, Jolivet R
Seismic and aseismic slip on the Main Himalayan Thrust: Bayesian modelling accounting for prediction uncertainties
- 10:15-11:00 *Coffee break*

Structural Geology and Tectonics: Eastern and Western Himalaya (*chair: Robyr M*)

- 11:00-11:15 **Wood M**, Pelgay P, Sandiford M, Kohn B, Li G
Is differential landscape evolution in the Bhutan Himalaya driven by arc segmentation?
- 11:15-11:30 **Coutand I**, Barrier L, Govin G, Grujic D, Hoorn C, Dupont-Nivet G, Najman Y
Late Miocene-Pleistocene evolution of India-Eurasia convergence partitioning between the Bhutan Himalaya and the Shillong Plateau: New evidences from foreland basin deposits along the Dungsam Chu section, Eastern Bhutan – In memory of Gwladys Govin
- 11:30-11:45 **Robinson D**, McQuarrie N, Battistella C, Ghoshal S
Incorporating geochronologic and thermochronologic data with geologic mapping in far western Nepal: Implications for tectonic models
- 11:45-12:00 **Thiede RC**, Bookhagen B, Scherler D, Dey S, Eugster P, Nennowitz M, Sobel E, Stübner K, Arrowsmith R, Jain V, Strecker M
Fault activity, tectonic segmentation, and deformation patterns in the western Himalaya on geological timescales inferred from landscape morphology and thermochronology: A summary
- 12:00-14:00 *Lunch*

Finale (chair: *Hetényi G*)

- 14:00-14:15 **Airaghi L**, de Sigoyer J, Guillot S, Robert A, Warren C, Deldicque D
Importance of the Mesozoic geological inheritance in the present structure of the Longmen Shan, Eastern Tibet
- 14:15-14:30 **France-Lanord C**, Spiess V, Feakins S, Galy V, Galy A, Huyghe P, Yoshida K
Expedition 354 on the Bengal fan: Implications on Neogene erosion regime and climate
- 14:30-14:45 **Jamieson R**, Beaumont C
Cryptic structures vs. channel flow: Yet another false dichotomy
- 14:45-15:00 **Searle M**, Hacker B
Structural and metamorphic evolution of the Karakoram and Pamir following India-Kohistan-Asia collision
- 15:00-16:00 Conclusions: Student awards, Next HKT workshop venue(s)
- 16:00 *End of the conference*

POSTER PRESENTATIONS

Schedule as of 31.08.2018, not expected to change

Poster board numbers are shown in pink

POSTER SESSION A

Monday September 10

GEODYNAMICS, STRUCTURAL GEOLOGY AND TECTONICS, GEOLOGIC AND CLIMATIC HISTORY

TIBETAN PLATEAU

- 1 **Roperch P**, Dupont-Nivet G, Guillot S, Goussin F, Huang W, Replumaz A, Yang Z
Tibetan Plateau paleolatitude and tectonic rotations: Paleomagnetic constraints
- 2 **van Hinsbergen D**, Li S, Lippert P, Huang W, Advokaat E, Spakman W
Reconstructing Greater India: Paleogeographic, kinematic, and geodynamic perspectives
- 3 **Guillot S**, Goussin F, Cordier C, Boulvais P, Roperch P, Schulmann K, Dupont-Nivet G, Guo Z, Replumaz A
Metasomatism soft mantle and growth of the Tibet Plateau
- 4 **Schmalholz S**, Duretz T, Hetényi G, Medvedev S
High differential stress in upper crust is required to maintain the relief of the Tibetan Plateau
- 5 Gong W, **Jiang X**
Varied thermo-rheological structure, mechanical anisotropy, and lithospheric deformation of the southeastern Tibetan Plateau
- 6 **Laskowski A**
Tectonic evolution of the Yarlung Suture Zone: Subduction controlled crustal deformation
- 7 **Orme D**
Forearc basin record of continental collision in Southern Tibet
- 8 Chen J, **Carosi R**, Cao H, Montomoli C, Iaccarino S, Langone A, Li G
Structural setting of the Yalaxiangbo Dome, SE Tibet, China

GEOLOGICAL AND CLIMATIC HISTORY

- 10 **Husson L**, Replumaz A, Webb A, van der Beek P, Condamine F, Mac Kenzie R, Sepulchre P
Impact of mantle dynamics on Himalayan tectonics, morphology, climate, and biosphere

- 11 **Huyghe P**, Bernet M, Galy A, Naylor M, Cruz J
Himalayan exhumation rates since 12 Ma from detrital apatite fission-track thermochronology, Middle Bengal Fan, IODP Expedition 354
- 12 **Yoshida K**, Osaki A, France-Lanord C
Provenance and paleodrainage signature in Bengal Fan deposits
- 13 **Kaya M**, Dupont-Nivet G, Proust JN, Roperch P, Bougeois L, Meijer N, Frieling J, Fioroni C, Özkan Altıner S, Vardar E, Stoica M, Mamtimin M, Zhaojie G
Paleogene evolution of the proto-Paratethys Sea in Central Asia, Tarim Basin, western China: Driving mechanisms and paleoenvironmental consequences
- 14 **Ali SN**, Agrawal S, Quamar M, Dubey J, Chauhan N, Bisht P, Pandey P, Arif M, Shekhar M, Morthekai P, Shukla A
Climate variability in the Central Indian Himalaya during the last ~15 ka: Evidences of Indian Summer Monsoon variability from multiproxy studies
- 15 **Tardif D**, Fluteau F, Donnadieu Y, Le Hir G, Ladant JB, Poblete F
Influence of paleogeography on Asian Cenozoic climate
- 16 **Shukla A**, Mehrotra R
India-Asia collision and biotic exchange: Evidences from Cenozoic plant megaremaines
- 17 **Gautam S**, Upadhyay R, Das M, Behera B
Early Permian palynomorphs from the Saltoro Formation, Shyok Suture Zone, Northern Ladakh, India
- 18 **Sanyal P**, Roy B, Ghosh S
Role of tectonics on abundance of C3-C4 plants: Evidence from the Mio-Pliocene Siwalik deposits of Central Himalaya
- 19 **Xie M**
Impacts of marine cloud brightening scheme on the Tibetan Plateau

EASTERN HIMALAYA AND BURMA

- 21 **Mozhikunnath Parameswaran R**, Rajendran K, Rajendran CP
A geodynamic perspective of the west and the east Himalayan syntaxes: Inferences from seismic sources
- 22 **Patra A**, Saha D
Paleostress reconstruction from fault slip analysis in the Main Boundary Thrust zone, foothill Darjeeling Himalaya
- 23 **Diehl T**, Singer J, Hetényi G, Grujic D, Clinton J, Giardini D, Kissling E
Seismotectonics of Bhutan and its foreland: New insights from the GANSSER passive seismic experiment
- 24 **Najman Y**, Sobel E, Ian Millar I, Stockli D, Garzanti E, Corley R, Ando S, Vezzoli G, Barfod D, Zhang P, Mei L
Uplift of the Indo-Burman Ranges and palaeodrainage of the eastern Himalayan region: A combined provenance and age elevation profile study, western Myanmar

- 25 **Licht A**, Dupont-Nivet G, Win Z, Kaythi M, Swe H, Roperch P, Ugrai T, Littell V, Park D, Westerweel J, Jones D, Poblete F, Wa Aung D, Huang H, Hoorn C, Sein K
Cenozoic evolution of the Burmese subduction margin and implications for the history of India-Asia convergence
- 26 **Westerweel J**, Roperch P, Licht A, Dupont-Nivet G, Win Z, Poblete F, Huang H, Littell V, Swe H, Kai Thi M, Hoorn C, Wa Aung D
First paleomagnetic constraints on the latitudinal displacement of the West Burma block
- 27 **Grujic D**, Govin G, Barrier L, Bookhagen B, Coutand I, Cowan B, Hren M, Najman Y
Formation of a rain shadow: O and H stable isotope records in authigenic clays from the Siwalik Group in Eastern Bhutan

NORTHWEST HIMALAYA AND PAMIR

- 45 **Baud A**
The 4th HKT Lausanne, 30 years ago: review on local researches in Himalaya and Tibet – In Memory of Maurizio Gaetani
- 46 **Ahsan N**, Mahmood T, Qayyum A, Miraj M, Rehman S
Muzaffarabad paleohigh, NW Himalaya, Pakistan: Its impacts on depositional settings and development of Hazara-Kashmir syntaxis
- 47 **Ghani H**, Sobel ER, Zeilinger G, Glodny J, Zapata S
Structural evolution of Kohat and Potwar fold thrust belts in Pakistan: New evidence from low temperature thermochronology
- 48 **Liang W**, Andò S, Clift P, Garzanti E, Limonta M, Resentini A, Vermeesch P, Vezzoli G
Provenance of Thal Desert sands, Central Pakistan
- 49 **Maitra A**, Anczkiewicz R, Anczkiewicz A, Porebski S, Mukhopadhyay D
Thermal evolution and provenance of the Himalayan foreland basin of western India constrained from apatite fission track analyses and U-Pb detrital zircon ages
- 50 Blayney T, **Dupont-Nivet G**, Najman Y, Proust JN, Meijer N, Roperch P, Sobel E, Millar I, Guo Z
Pamir tectonic evolution and associated environmental changes recorded since 40 Ma in the western Tarim Basin, Aertashi section
- 51 **Bhattacharya G**, Robinson D
Deformation of the Indus Basin, Ladakh, NW India
- 52 Buchs N, **Epard JL**, Steck A
U-Pb zircon ages in the Upshi Molasse at Martselang, Indus Molasse, Ladakh

NEPAL HIMALAYA

- 35 **Webster T**, G ebel A, Law R, Stahr D, Mulch A
Meteoric fluid-rock interaction in the footwall of the South Tibetan Detachment, Sutlej Valley and Zaskar, NW India
- 36 **Robinson D**, McQuarrie N, Battistella C, Ghoshal S
Geologic mapping, modelling, and kinematic reconstructions from far-western Nepal

- 37 **Battistella C**, Robinson D, McQuarrie N, Ghoshal S
Using thermochronology to validate a balanced cross section along the Karnali River, far-western Nepal
- 38 **Bouscary C**, King G, Herman F, Biswal R, Chanard K, Lavé J, Hetényi G
Luminescence dating and landscape evolution of the Himalaya, Nepal
- 39 **Shrestha S**, Larson K, Martin A, Cottle J, Smit M
The Greater Himalayan thrust belt: Insight into the assembly of the exhumed Himalayan metamorphic core, Modi Khola Valley, Central Nepal
- 40 **Ghoshal S**, McQuarrie N, Robinson D
Determining sub-surface geometry by integrating transport-parallel distribution of cooling ages, surface geology and data from the 2015 Gorkha earthquake
Eizenhöfer P, **McQuarrie N**, Ehlers T, Ghoshal S
- 41 Understanding the relationship between the surface topography and subsurface geometry of the Main Himalayan Thrust in Central Nepal through numerical landscape evolution models
- 42 **Hubbard M**, Gajurel A, Seifert N
Cross faults and their role in Himalayan tectonics: The Benkar Fault, an example from the Khumbu region, Nepal
- 43 **Iwano H**, Danhara T, Takigami Y, Sakai H
Three stages of cooling found in Mount Everest massif since 15 Ma based on thermochronologic studies and their implications

MCT, STD

- 30 **Webb A**, Dong H, Xu Z
The Main Central thrust–South Tibet fault branch line: A closely-spaced structural survey across a controversial feature
- 31 **Nania L**, Montomoli C, Iaccarino S, Leiss B, Carosi R
High-temperature ductile deformation and inverse thermal metamorphic gradient in the Main Central Thrust zone: An example from the Lower Dolpo Region, Western Nepal
- 32 **Montomoli C**, Iaccarino S, Nania L, Leiss B, Carosi R
Ductile to brittle deformation in the South Tibetan Detachment System, Himalaya: A telescoped regional “contact” metamorphism?
- 33 **Gébelin A**, Jessup M, Teyssier C, Cosca M, Law R, Brunel M, Mulch A
Tectonic implications of 15 Ma meteoric water infiltration in the South Tibetan Detachment, Mt. Everest, Himalaya

POSTER SESSION B

Tuesday September 11

SURFACE PROCESSES AND GEOMORPHOLOGY, MINERALOGY AND PETROLOGY, GEOPHYSICS, NATURAL HAZARDS

SURFACE PROCESSES AND GEOMORPHOLOGY

- 1 **Fort M**
Functioning of a small “landslide catchment” and its geomorphic impacts: The Ghatte Khola, Myagdi District, Nepal Himalaya
- 2 **Godard V**, Mahéo G, Mukherjee S, Sterb M, Maleappane É, Leloup H, Team ASTER
Rapid denudation at the Dhauladhar range front, Himachal Pradesh, India
- 3 **Lupker M**, Lavé J, France-Lanord C, Christl M, Bourlès D, Carcaillet J, Maden C, Wieler R, Rahman M, Bezbaruah D, Xiaohan L
¹⁰Be systematics in the Tsangpo-Brahmaputra catchment: The cosmogenic nuclide legacy of the eastern Himalayan syntaxis
- 4 **Lenard S**, Lavé J, Charreau J, France-Lanord C, Gajurel A, Kaushal R, Pik R
¹⁰Be - Sr - Nd erosion patterns in the Narayani watershed, Central Nepal, viewed through the Valmiki Siwalik section
- 5 **Huber M**, Gallen S, Lupker M, Haghypour N, Christl M, Gajurel A
Assessing provenance, exposure timing, and emplacement processes of large exotic boulders in central Himalayan river valleys
- 6 **Malatesta L**, Berger Q, Avouac JP
A model to quantify sediment mixing across alluvial piedmonts with cycles of aggradation and incision
- 7 **De Palézieux L**, Leith K, Löw S
Principal joint sets and geomorphic markers in NW Bhutan
- 8 **Miraj M**, Mehmood H, Kashif M, Zaidi S, Ahsan N
Fracture analysis and discrete fracture network modelling of Early Eocene Sakesar limestone, Eastern Salt Range, Potwar Plateau, Pakistan

MINERALOGY AND PETROLOGY

- Deschamps F, **de Sigoyer J**, Duchêne S, Bosse V, Vanderhaeghe O
- 11 Generation and emplacement of Triassic granitoids within the Songpan Garze accretionary-orogenic wedge from different sources, mantle-derived and crust-derived, Eastern Tibetan plateau, China
 - 12 **Grujic D**, Ashley K, Coble M, Coutand I, Kellett D, Larson K, Whipp D, Whynot N
Inverted temperature fields: Peak metamorphic and deformational temperatures across the Lesser Himalayan Sequence
 - 13 **Salvi D**, Mathew G, Borgohain B, Pande K
Thermochronological constraints on the tectono-thermal evolution of Dibang valley, Eastern Himalaya

Srivastava RK

- 14 Paleoproterozoic distinct mafic intrusive rocks from the Himalayan Mountain Belt, India: Implications for their connection to a widespread ~1.9 Ga large igneous province event of the Indian Shield and Western Australia
- 15 **Rapa G**, Groppo C, Rolfo F, Mosca P
Metamorphism and CO₂-production in collisional orogens: Case studies from the Himalayas
- 16 **Nakajima T**, Sakai H, Iwano H, Danhara T
Thermal history of the Higher Himalayan Crystallines and over- and underlying sediments in west-central Nepal: LA-ICP-MS zircon fission-track analyses
- Dhiman R, **Singh S**
- 17 Remelting of Neoproterozoic Dalhousie and Dhauladhar granite during Cambro-Ordovician: Constraints from in situ U-Pb zircon geochronology, Himachal Pradesh, NW Himalaya
- 18 Irum I, Altenberger U, Zeilinger G, Günter C, **Ghani H**
Tourmaline and micas as petrogenetic minerals: Preliminary study from two-mica Mansehra Granite, KPK, Pakistan
- 19 **Sajid M**, Andersen J, Rocholl A, Wiedenbeck M
Evidence of early Paleozoic Andean-type orogeny along the northern Indian Plate based on U-Pb zircon dating and geochemistry of granites in northern Pakistan
- Yuan W**, Zhou P
- 20 Mineralizing epochs, exhumation, and preservation of the Hariza-Halongxiuma polymetallic ore district in Eastern Kunlun Mountains, Northeastern Tibetan Plateau, China
- 21 **Ping Z**
The ASTER data is used to predict ore prospecting in Liuyuan area of Gansu Province
- 22 **Zhou S**, Qiu RZ, Ren XD, Qiu L, Zhao LK, Zhu QL
Zircon SHRIMP U-Pb dating of high potassium rhyolite at Caze area of Tibet and its geological significance
- 23 **Hetényi G**, Pistone M, Nabelek PI, Baumgartner LP
Geophysical and petrological assessment of the partially molten plutons, Lhasa Block
- 24 **Alvizuri C**, Hetényi G
Seismic full moment tensors for deep earthquakes beneath the Himalayas, and their relevance to metamorphism in the region

GEOPHYSICS

- 25 **Manglik A**, Thiagarajan S, Suresh M, Adilakshmi L, Babu M, Chakravarthy N
Variations in the basement structure of the Indian plate along the Himalayan Arc: Results from magnetotelluric study

- 26 **Kumar N**, Babu V, Verma S, Hazarika D, Yadav D
Mapping the crustal architecture by surface wave and ambient noise tomography in the Himalaya-Karakoram-Tibet region
- 27 **Wang Q**, Chen G
Geodetic evidence for a subhorizontal underthrusting of the India plate beneath the Himalaya
- 28 **Ghangas V**, Mishra O
Source characterisation of NW Himalaya and its surrounding region: Geodynamical implications
- 29 **Hazarika D**, Wadhawan M, Paul A, Kumar N
Crustal configuration and Moho geometry in the NW Himalaya and Ladakh-Karakoram collision zone based on receiver function study
- 30 **Subedi S**, Hetényi G, Vergne J, Bollinger L, Lyon-Caen H, Farra V, Adhikari L, Gupta R
Western Nepal crustal structure from P-to-S converted seismic waves
- 31 **Li W**, Xu C, Yi L, Wen Y, Zhang X
Source parameters and seismogenic structure of the 2017 Mw 6.5 Mainling earthquake in Tibet, China
- 32 **Le Roux-Mallouf R**, Ferry M, Ritz JF, Cattin R, Drukpa D, Pelgay P
A 3500-yr-long paleoseismic record for the Himalayan Main Frontal Thrust, Western Bhutan
- 33 **Rajendran K**, Mozhikunnath Parameswaran R, Rajendran CP
Assessing the rupture modes of the Himalayan earthquakes: Historical and recent examples

NATURAL HAZARDS

- 35 **Riesner M**, Bollinger L, Hubbard J, Guérin C, Almeida R, Bradley K, Sapkota S, Tapponnier P
Recent activity on the Main Boundary Thrust in western Nepal: Neo-tectonic constraints from high-resolution Pleiades satellite images
- 36 **Kargel J**, Haritashya U, Karki A, Furfaro R, Shugar D, Regmi D, Watson S
Multispectral and geomorphological detection and field validation of lithologies relevant to glacier dynamics in High Mountain Asia
- 37 **Hermanns RL**, Morken O, Sengupta A, Penna I, Gupta V, Kumar Bhasin R, Dehls J
Clustering of rock avalanches and rock avalanche deposits along the Main Central Thrust and within the Higher Himalayan Crystalline Sequence, Sikkim
- 38 **Meena SR**, Westen C, Mavrouli O
Web based landslide management system for Nepal
- 39 **Regmi D**, Kargel J
Natural Hazards and their impacts on downstream areas in Nepal Himalaya
- 40 **Saha D**, Patra A
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