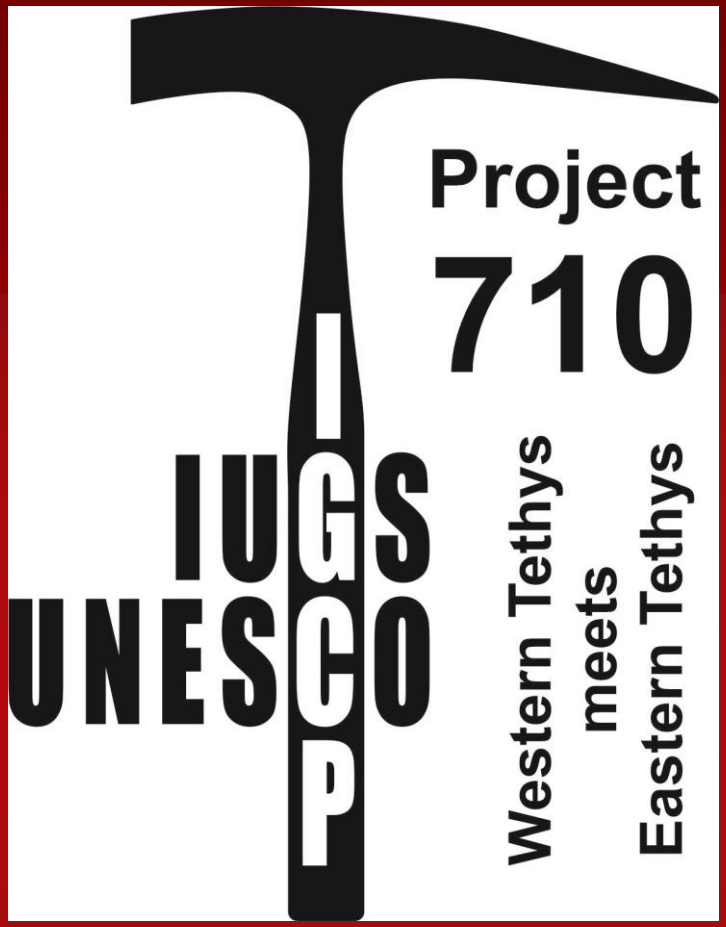
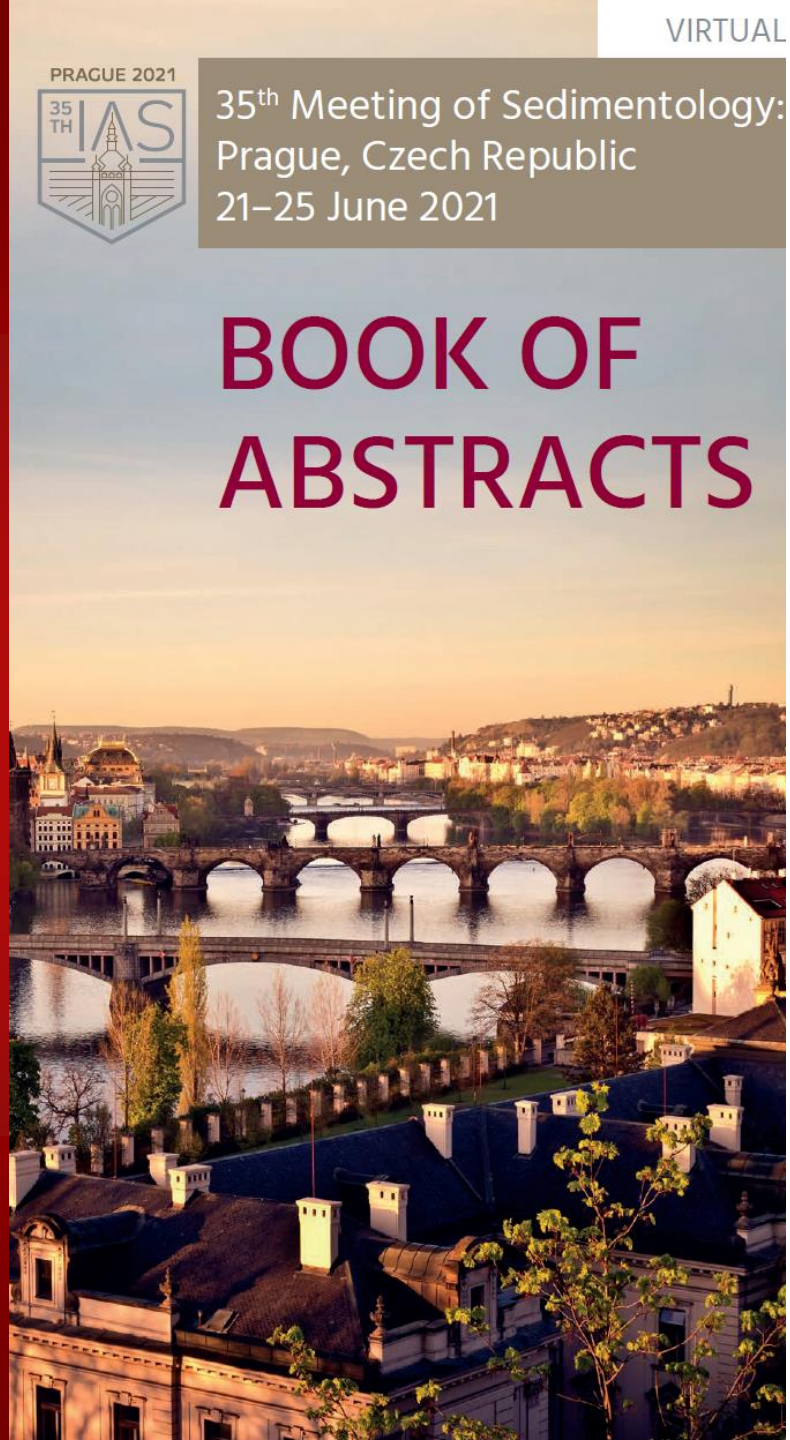


Western Tethys meets Eastern Tethys – geodynamical, paleoceanographical and paleobiogeographical events

RESULTS (selected)



Session T05-SS07 – Western Tethys meets Eastern Tethys – sedimetological perspective

Hall 1, June 23, 15:20-16:45

Chairs: Michal Krobicki, Hans-Jürgen Gawlick, Hao Huang, Ismail Omer Yilmaz, Dmitrii Aleksandrov, Š. Goričan, K. Ueno, J. Kowal-Kasprzyk, K. Starzec

Late Paleozoic siliciclastics of the Changning-Menglian Belt in western Yunnan, China and their paleogeographic indications (id: 910)

Jianbin Zheng, Xiaochi Jin, Hao Huang, Zhen Yan

Presenting author: Jianbin Zheng

Construction model of a Middle Permian Archaeolithoporella-microbial-sponge reef of the Changning-Menglian Belt, western Yunnan, China (id: 911)

Zhen Yan, Xiaochi Jin, Hao Huang, Jianbin Zheng

Presenting author: Zhen Yan

Lithiotis-type bivalves in the Lower Jurassic carbonates of the Central and Southern Velebit Mt., Croatia

Maja Martinuš[1], Igor Vlahović[2], Damir Bucković[1], Ivo Velić[3], Silvija Brcko[1], Michał Krobicki[4]

[1]Department of Geology, University of Zagreb, Faculty of Science, Zagreb, Croatia
[2]Department of Geology and Geological Engineering, University of Zagreb, Faculty of Mining, Geology and Petroleum Engineering, Zagreb, Croatia
[3]Department of Geology, Croatian Geological Survey; Geolog d.o.o. and Croatian Summer Geological School, Zagreb, Croatia
[4]Department of General Geology and Geotourism, AGH University of Science and Technology, Faculty of Geology, Geophysics and Environmental Protection, Kraków, Poland

Lithiotis-type bivalves are characteristic faunal element of many Lower Jurassic successions in southern Europe, western Arabia, western and central Asia, as well as western margin of the North and South America. These large bivalves were most significant buildup-makers in Early Jurassic shallow-marine environments of many Tethyan carbonate platforms.

The study of carbonates with Lithiotis-type bivalves was carried out in the Central Velebit Mt. (Kubus section) and Southern Velebit Mt. area (Libinje and Mali Alan sections), which are 50 km apart. Benthic foraminifera assemblage (Lituosepta recoarensis, Paleomayncina termieri, Lituosepta compressa, Orbitopsella primaeva, O. praecursor, Pseudocyclammina liassica, Socotraina serpentina) indicates Late Sinemurian to earliest Toarcian age. The thickness of sections with Lithiotis-type bivalves varies from 210 m on Kubus, to 171 m on Libinje and 145 m on Mali Alan. The oldest Lithiotis-type bivalves were found in the lowermost Upper Sinemurian beds at Kubus and youngest in the Lower Toarcian beds in all studied sections.

FIRST CIRCULAR

18th Meeting of the Central European Tectonic Studies Groups (CETeG)
25th Meeting of the Czech Tectonic studies Group (ČTS)

September 22–25, 2021
Terchová – Vrátna, Slovakia

Scope of the conference

A special attention of the CETeG & ČTS 2021 meeting will be devoted to the geodynamic evolution of the Alpine–Carpathian–Dinaridic and Paleozoic orogenic belts of Europe, theoretical aspects of structural geology, petrology and geochronology, as well as neotectonics and sedimentary basin evolution. Several invited speakers provide hints to the main topics of the meeting, but any other contributions related to the common CETeG & ČTS topics are welcome.

COMENIUS UNIVERSITY
BRATISLAVA

FACULTY OF
NATURAL SCIENCES

MINISTRY
OF EDUCATION, SCIENCE,
RESEARCH AND SPORT
OF THE SLOVAK REPUBLIC

SLOVAK RESEARCH
AND DEVELOPMENT AGENCY

Project
710
IUGS
UNESCO
Western Tethys
meets
Eastern Tethys

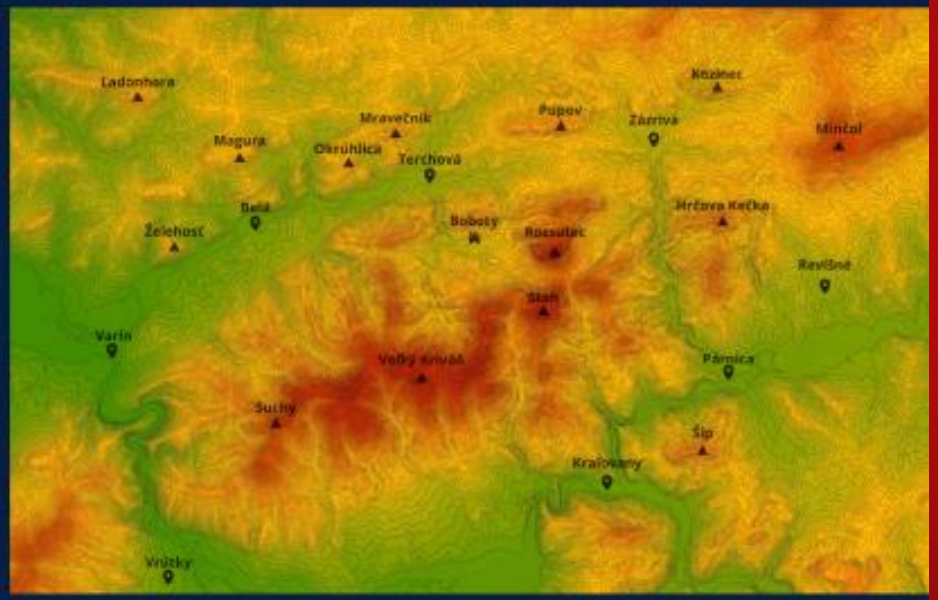
INTERNATIONAL GEOSCIENCE
PROGRAMME UNESCO

ISBN: 978-80-223-5236-0

PLAŠIENKA et al. STRUCTURE, COMPOSITION AND TECTONIC EVOLUTION OF THE PIENINY KLIPPEN BELT – CENTRAL WESTERN CARPATHIANS CONTIGUOUS ZONE

Structure, composition and tectonic evolution of the Pieniny Klippen Belt – Central Western Carpathians contiguous zone (Kysuce and Orava regions, NW Slovakia)

DUŠAN PLAŠIENKA, ROMAN AUBRECHT, VLADIMÍR BEZÁK, MIROSLAV BIELIK, IGOR BROSKA, JANA BUČOVÁ, KAMIL FEKETE, PAVOL GAŽI, PRZEMYSŁAW GEDL, MARIÁN GOLEJ, EVA HALÁSOVÁ, JOZEF HÓK, MARTIN HRDLIČKA, MICHAL JAMRICH, ŠTEFAN JÓZSA, RADEK KLANICA, PATRIK KONEČNÝ, MICHAL KUBIŠ, JÁN MADARÁS, DUŠAN MAJCIN, FRANTIŠEK MARKO, MARÍNA MOLČAN MATEJOVÁ, TOMÁŠ POTOČNÝ, JÁN SCHLÖGL, JÁN SOTÁK, GUILLAUME SUAN, LENKA ŠAMAJOVÁ, VIERA ŠIMONOVÁ, FRANTIŠEK TEŤÁK, JÁN VOZÁR



COMENIUS UNIVERSITY BRATISLAVA, 2021

minerals

IMPACT FACTOR 2.380

an Open Access Journal by MDPI

Geology, Palaeontology, Palaeogeography of the Western Tethys Realm

Guest Editors:

Prof. Dr. Hans-Jürgen Gawlick
gawlick@unileoben.ac.at

Dr. Michał Krobicki
krobicki@agh.edu.pl

Prof. Dr. Laszlo Bujtor
bujtor.laszlo.geology@gmail.com

Deadline for manuscript submissions:
2 April 2021

Message from the Guest Editors

The overall geologic history of the Western Tethys Realm is today relatively well reconstructed, but the mountain ranges in that area are also known for being of bewildering complexity. Several crucial questions remain related to the Mesozoic plate configuration. There is no agreement on the number and position of oceanic domains and continental realms which may have existed. Even there is progress in the reconstruction of the geodynamic history, the area provides still a lot of chances to contribute essential to the progress in knowledge e.g., on mountain building processes, depositional environments through time and space, evolution of organisms and their biostratigraphy, to understand deposit formation and many other topics. This special volume should provide authors the possibility to discuss other views on the history of the Western Tethys Realm and in wider context/connections of the whole Tethys, including its Eastern part. Overview articles related to special topics as well as articles opening new perspectives are highly welcome. This special volume is dedicated to Dr. Sigrid Missoni to honour her contributions to unravel the geological history of the Western Tethys Realm.

minerals

MDPI

Article

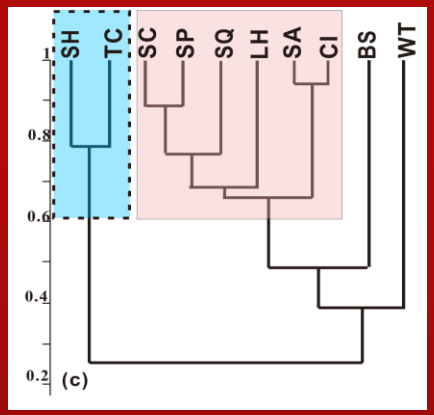
Zircon Chemistry and Oxidation State of Magmas for the Duobaoshan-Tongshan Ore-Bearing Intrusions in the Northeastern Central Asian Orogenic Belt, NE China

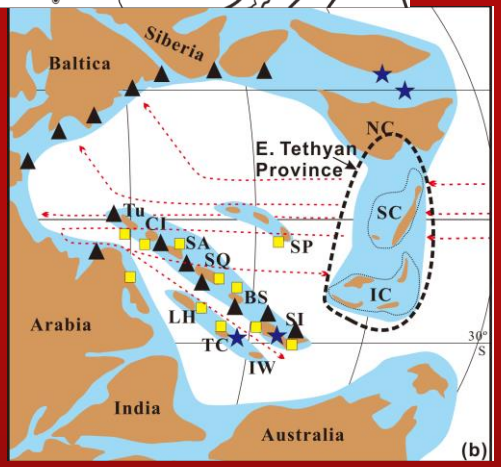
Jian Wang [1,2,*], Keiko Hattori [3], Yanchen Yang [1] and Haiqi Yuan [1]

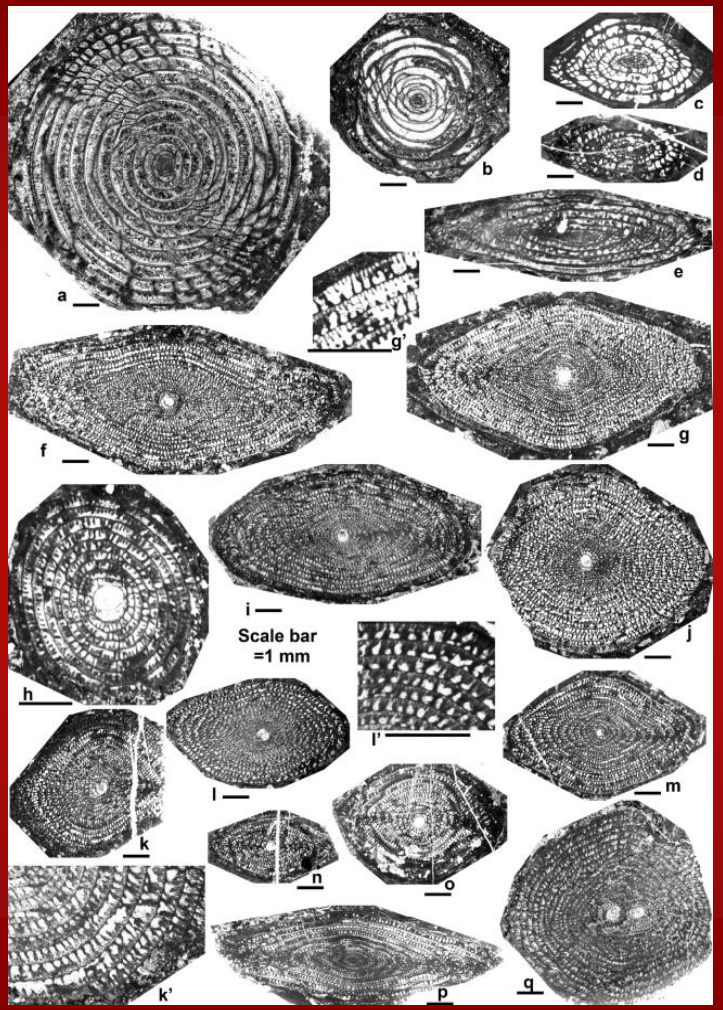
1 College of Earth Sciences, Jilin University, Changchun 130061, China; yyc@jlu.edu.cn (Y.Y.); yuanhq18@mails.jlu.edu.cn (H.Y.)
2 Key Laboratory of Mineral Resources Evaluation in Northeast Asia, Ministry of Natural Resources of China, Changchun 130026, China
3 Department of Earth and Environmental Sciences, University of Ottawa, Ottawa, ON K1N 6N5, Canada; khattori@uottawa.ca
* Correspondence: wangjian304@jlu.edu.cn

Abstract: The Duobaoshan (DBS)-Tongshan (TS) porphyry Cu–(Mo) deposit (4.4 Mt Cu, 0.15 Mt Mo) is located in the northeastern part of the central Asian orogenic belt (CAOB) in northeastern China. It is hosted by early Ordovician dioritic to granodioritic intrusions which are characterized by the subduction-related geochemical signatures including high concentrations of large ion lith-

Fusulinids add more constrains for the palinsapstic reconstruction of the Lhasa Block, Tibet

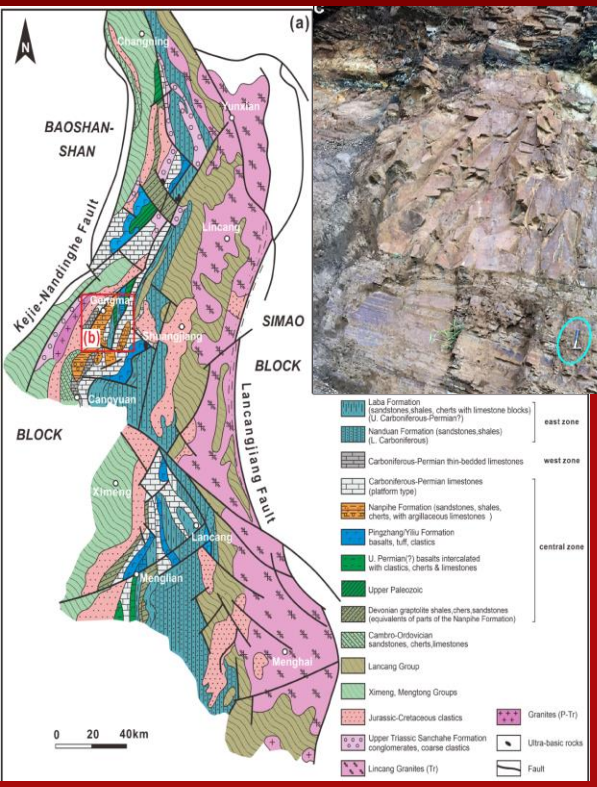


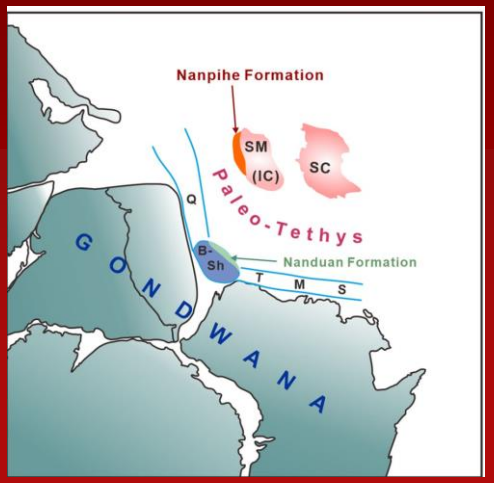


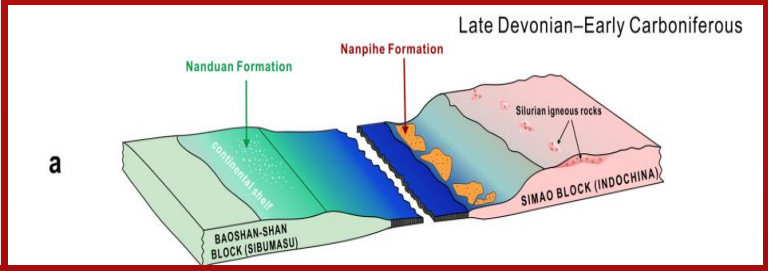


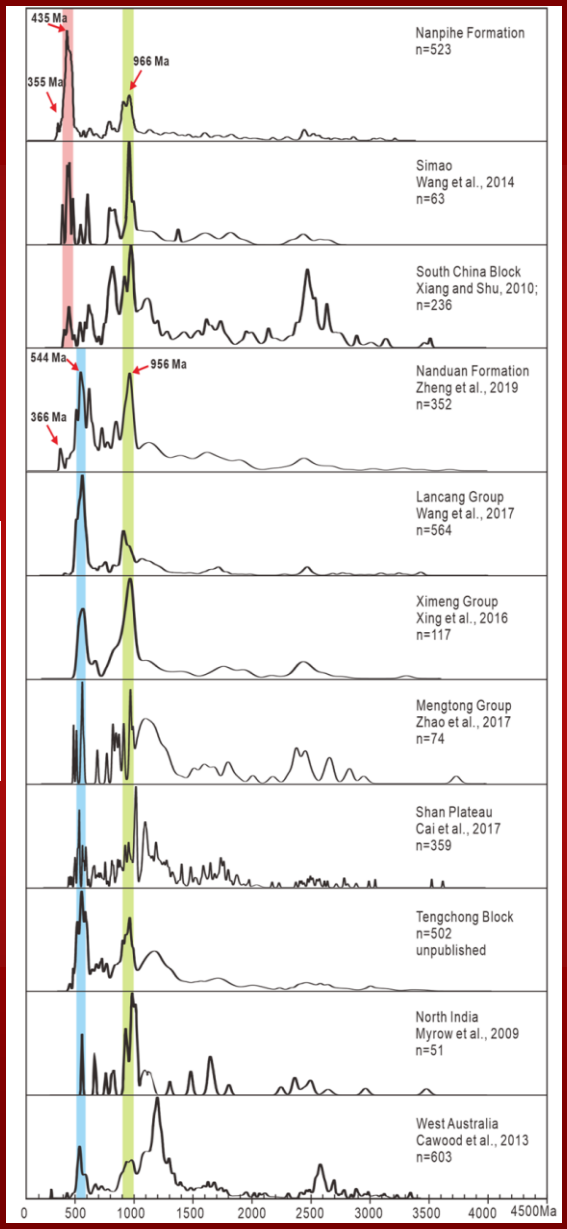
- ***Lepidolina*, more commonly in eastern Tethys and Panthalassa, confirmed in Lhasa Block**
- **Fusulinid biogeographic analysis reveals that this block rifted from Gondwana before the Guadalupian and at lower palaeolatitudes than E. Cimmerian blocks**

Changning-Menglian Belt, W. Yunnan: a mosaic of materials of both Gondwanan and Cathaysian origin









- Carboniferous Nanduan Fm and previously conceived basement (now dated to be Devonian) deposited at the eastern flank of the Baoshan Block of Gondwana affinity
- Devonian-Carboniferous Nanpihe Fm. has source area in Simao of Cathaysian affinity

Inaugural Symposium
of the International Geoscience Programme
IGCP Project-710

Western Tethys meets Eastern Tethys
– geodynamical, paleoceanographical and paleobiogeographical events

ONLINE SYMPOSIUM

THIRD CIRCULAR

November 15-16, 2021

Kraków, Poland

FUTURE („dreams”)

Activities in 2022

35th Himalaya-Karakorum-Tibet Workshop (HKT'2021) & IGCP-710 Meeting; Pokhara, Nepal; March 11-13 (main chair – Kabi Raj Paudyal, co-leader of the IGCP-710) (*http://ngs.org.np/hkt-2021/*);

18th Serbian Geological Congress; Divčibare, Serbia; June 1-4 (agreement with one of the main organiser and member of the Scientific Committee of the Congress – Nevenka Djerić) (*https://sgd.rs/en/*);

Alpine Workshop XV & IGCP-710 Meeting; Ljubljana, Slovenia; September 12-14 (M. Krobicki – member of the Scientific Committee);

16th InterRad (International Conference on Fossil and Living Radiolaria); Ljubljana, Slovenia (agreement with main organiser and President of InterRad – Špela Goričan, co-leader of the IGCP-710) (*https://interrad2020.zrc-sazu.si/*)

11th International Congress on the Jurassic System; Budapest, Hungary; August 29 – September 9 (M. Krobicki – member of the Scientific Committee) (Special Session – *Western Tethys meets Eastern Tethys (IGCP-710)*)
(*https://jurassicdotstratigraphydotorg.wordpress.com/meetings/*)

Scientific sessions

The scientific program of the congress will be organized into topical sessions. Their broad themes are Jurassic life, environment, Earth history, stratigraphy, regional geology, and resources. Initially, using input from the local and international committees, we compiled the following long and preliminary list of potential special sessions. Overlaps will be considered and minimized for a shorter final list, after gauging the interest from the community and potential presenters.

- Marine life in the Jurassic
- Terrestrial life in the Jurassic
- Paleoecology and taphonomy of Jurassic fossils
- Jurassic climate and environment
- Global events in and around the Jurassic
- The Toarcian OAE and other Jurassic hyperthermals (IGCP 655)
- Science outcomes of the JET project
- Jurassic biostratigraphy, integrated stratigraphy and time scale
- Jurassic GSSPs
- Marine-to-terrestrial correlations in the Jurassic
- Physical and chemical stratigraphy throughout the Jurassic
- Jurassic sea level changes and sequence stratigraphy
- Jurassic geodynamics, plate tectonics and paleogeography
- Jurassic geology of the world (66 years after Arkell)
- Western Tethys meets Eastern Tethys (IGCP 710)
- Jurassic sedimentary basins
- Jurassic magmatism and LIPs
- Mineral resources and Jurassic metallogenesis
- Jurassic geoheritage

11th International Congress on the Jurassic System; Budapest, Hungary; August 29 – September 9 (Michał Krobicki – member of the Scientific Committee) (Special Session – *Western Tethys meets Eastern Tethys (IGCP-710)*)
(*https://jurassicdotstratigraphydotorg.wordpress.com/meetings/*)

PANGEO; Leoben, Austria; September 10-13 (Special Session of the IGCP-710; Hans-Jürgen Gawlick, co-leader of the IGCP-710 & Michał Krobicki, leader of the IGCP-710 – main chairs)
(*https://pangeo2020.unileoben.ac.at/de/7058/*)

6th International Palaeontological Congress; Khon Kaen, Thailand; November 7-11 (Special Session of the IGCP-710: *Palaeobiogeography of the Western and Eastern Tethys – migration routes and palaeoceanography*; (*https://ipc6.msu.ac.th/*)

SCIENTIFIC SESSIONS/SYMPOSIA

- Evolution and extinction of giants: the palaeobiology of very large organisms
- Insights into Ediacaran life
- Devonian palaeoenvironments and mass extinctions
- From platforms to reefs – faunas and floras from the Archean to the Recent
- Bridging palaeontological and geological collections: the indissoluble complementarity
- Ichnology: from ichnotaxonomy, the ichnofacies paradigm to applications in paleoenvironmental reconstructions from marine to continental environments
- Palaeobiogeography of the Western and Eastern Tethys – migration routes and palaeoceanography
- Tropical paleobiology
- Workshop on the International Research Network Paleobiodiversity in South-east Asia

THANK YOU

FOR YOUR PARTICIPATION

&

SEE YOU NEXT YEAR

☺