

EGU

TS

GD

SM

GMPV

Back-arc

Volcanology

Tibet

Alps

Geodynamics

Sunda-arc

Caucasus

Betics

Apennines

Geology

Mediterranean

Banda-arc

Petrology

Dinarides

Hellenic arc

Anatolia

Zagros

Tectonics

Geophysics

Himalayas

Seismology

Pyrenees

Ophiolites

Subduction

Dynamics and Structures of the Tethyan realm:
Collisions and Back-arcs from the
Mediterranean to the Himalayas

TS 7.4 (co-organised) session at EGU Online Assembly 2020

Chat sessions (from East to West)
Himalayas - Zagros -Anatolia -Cyprus: Fri (05.08) 14:00-15:45 CEST
Mediterranean: Fri (05.08) 16:15-18:00 CEST

Chat session I Fri (May 08.) 14:00-15:45

Pyroclastic rocks from Kanchanaburi and Uthai Thani Province, Inthanon Zone, Western Thailand <i>Suwijai Jatupohnkhongchai, Sirot Salyapongse, Burapha Phajuy, Daniela Gallhofer, and Christoph Hauzenberger</i>
Crustal and Uppermost Mantle Structure Across Central Myanmar by Joint Analysis of Receiver Functions and Rayleigh-wave Dispersion <i>Yiming Bai, Yumei He, Xiaohui Yuan, Myo Thant, Kyaing Sein, and Yinshuang Ai</i>
Eocene post-collisional magmatism in Himalaya orogenic belt: evidence from petrography, zircon U-Pb age and Sr-Nd-Hf isotope of the Mayum alkaline complex , southern Lhasa subterrane <i>Xiaoshuang Chen and Haijin Xu</i>
The bivergent growth of the Cenozoic Qilian Shan , northeastern Tibetan Plateau : Insights from numerical models <i>Zhen Zhang, Huai Zhang, and Yaolin Shi</i>
Reconciling plate convergence and orogeny: The influence of India-Asia convergence rate on the formation of the Himalayas <i>Ben S. Knight, Fabio A. Capitanio, and Roberto F. Weinberg</i>
The Mechanism and Dynamics of N-S trends normal faults in Tibetan Plateau : Insight From Thermochronology, Magnetotellurics, Magmatism and GPS Measurements <i>Han-Ao Li, in-Gen Dai, Le-Tian Zhang, Ya-Lin Li, Guang-Hao Ha, and Cheng-Shan Wang</i>
Lower crustal recycling : Reconciling Petrological and Numerical Constraints from the Pamir <i>Ryan Stoner, Mark Behn, and Bradley Hacker</i>
Geodynamic processes of the continental deep subduction : constraints from the fine crustal structure beneath the Pamir Plateau <i>Wei Li, Yun Chen, Ping Tan, and Xiaohui Yuan</i>
The Durkan Complex in the western Makran Accretionary Prism (SE Iran) : Evidence for a Late Cretaceous tectonically disrupted oceanic seamount <i>Edoardo Barbero, Morteza Delavari, Asghar Dolati, Luca Pandolfi, Emilio Saccani, Michele Marroni, Marco Chiari, Valeria Luciani, and Rita Catanzariti</i>
An attempt to reconstruct central and eastern Iranian ophiolite puzzle <i>Nalan Lom, Abdul Qayyum, and Douwe J.J. van Hinsbergen</i>
Deep Slab folding and the deformation of the Persian domain <i>Alexandre Boutoux, Arthur Briaud, Claudio Faccenna, Paolo Ballato, Federico Rossetti, Francesca Funicello, and Eric Jean-Philippe Blanc</i>
Slip-sense inversion in Iran : Implications for Eurasian tectonics <i>Bernard Guest</i>
Latest Toarcian (c. 175-177 Ma) 40Ar/39Ar mineral ages for amphibolite-facies basement rocks of the Gasht Complex, Alborz Mountains , North Iran: deep crustal response to mid-Jurassic rifting <i>Leila Rezaei, Martin J. Timmerman, Mohssen Moazzen, and Masafumi Sudo</i>
Geochronology and Lu-Hf isotopic study of the granodioritic pulse in the Qaradagh batholith (NW Iran) <i>Vartan Simmonds, Mohssen Moazzen, Gültekin Topuz, and Ali Mohammadi</i>
Geochemistry of Cretaceous subduction initiation related cumulate gabbros in a forearc setting from Chaldoran ophiolite, NW Iran <i>Mahleqa Rezaei, Mohssen Moazzen, and Tian-Nan Yang</i>
Magmatic arcs, ophiolite belts and sedimentary basins in Anatolia interpreted from magnetic data <i>Vahid Teknik, Hans Thybo, and Irina Artemieva</i>
Upper Cretaceous Stratigraphy and Volcanism in the İğneada region, Pontides, NW Turkey <i>Ezgi Sağlam, Turgut Duzman, and Aral I. Okay</i>
Western Anatolian Record of Subduction Initiation through Collision <i>Megan Mueller, Alexis Licht, Faruk Ocakoğlu, Clay Campbell, Mustafa Kaya, Begüm Kurtoglu, Gui Akşit, Michael Taylor, Grégoire Métais, Pauline Coster, and K. Christopher Beard</i>
Western Tethys subduction history constrained through upper and lower mantle structure coupled to kinematic reconstruction <i>Derya Gürer, Douwe J J van Hinsbergen, Douwe van der Meer, and Wim Spakman</i>
Testing the Mesozoic plate configuration of the Eastern Mediterranean domain <i>Michael Nirrengarten, Geoffroy Mohn, François Sapin, Jon Teasdale, Charlotte Nielsen, Julie Tugend, and Dominique Frizon de Lamotte</i>

Chat session II Fri (May 08.) 16:15-18:00

Geodynamic evolution of the East Carpathian Foreland Basin since the Middle Miocene : Implications for sediment supply to the Black Sea and Dacian Basin <i>Arjan de Leeuw, Stephen Vincent, Anton Matoshko, Andrei Matoshko, Marius Stoica, and Igor Nicoara</i>
Triassic magmatism along the Eurasian margin of the Palaeotethys : U-Pb zircon age constraints from the western part of the Sakar-Strandzha Zone, Bulgaria <i>Nikolay Bonev, Petyo Filipov, Raya Raycheva, and Robert Moritz</i>
Structural analysis of faults related to the Late Cretaceous and Paleocene evolution of the Central Srednogorie zone, Bulgaria <i>Eleonora Balkanska and Stoyan Georgiev</i>
The Neotethys suture in the eastern Bulgarian Rhodopes <i>Jan Pleuger, Zlatka Cherneva, Linus Klug, Elis Hoffmann, Michael Schmidtke, Nikolaus Froitzheim, Neven Georgiev, Kalin Naydenov, Kristoph Stegmann, Alexandra Pohl, Marisa Germer, Alexander Borchert, and Martina Menneken</i>
Role of dextral strike slip faulting in the distribution of Aegean extension since Miocene times inferred from receiver function analysis <i>Agathe Faucher, Christel Tiberi, Frédéric Gueydan, and Alexandrine Gesret</i>
A new Miocene detachment from Antiparos Island (Cyclades, Greece) <i>Dimitrios Baroutsos, Konstantinos Soukis, Erich Draganits, David A Schneider, Bernhard Grasemann, and Stelios Lozios</i>
Tracing marker horizons in the Serifos Island metamorphic core complex (Cyclades, Greece) <i>Konstantinos Soukis, Katerina Andropoulou, Bernhard Grasemann, Varvara Antoniou, and Stelios Lozios</i>
Geochemical and geological evidence for a Triassic transition from subduction- to rift-related volcanic activity in the Cycladic Blueschist Unit in Attica (Greece) <i>Christina Stouraiti, Stelios Lozios, Konstantinos Soukis, Hilary Downes, and Andy Carter</i>
The westernmost Late Miocene-Pliocene volcanic activity in the Vardar Zone (North Macedonia) – geochronology, petrology and geochemistry of Pakoševo, Debriste and Šumovit Greben volcanic centers <i>Kata Molnár, Stéphane Dibacto, Pierre Lahitte, Marjan Temovski, Samuele Agostini, Zsolt Benkó, Artur Ionescu, Ivica Milevski, and László Palcsu</i>
2D Numerical Simulation of Intraoceanic Subduction during the Upper Jurassic Closure of the Vardar Tethys <i>Nikola Stanković, Vesna Cvetkov, and Vladica Cvetković</i>
Cenozoic multiphase orogenic deformations in Northern Calabria Arc : hints from geological mapping in the Longobucco Basin <i>Giulia Innamorati, Simone Fabbi, and Massimo Santantonio</i>
High-temperature acid magmatic rocks from the Late Cretaceous suture zone between European plate and Adria microplate (Croatia) <i>Petra Schneider and Dražen Balen</i>
Subduction of a rifted passive continental margin : the Pohorje case of Eastern Alps - constraints from geochronology and geochemistry <i>Ruihong Chang, Franz Neubauer, Johann Genser, Yongjiang Liu, and Sihua Yuan</i>
Using geodynamic modeling to test plate tectonic scenarios of the Mediterranean-Alpine area <i>Boris Kaus, Eline Le Breton, Georg Reuber, and Christian Schuler</i>
The Slab Puzzle of the Alpine-Mediterranean Region : Insights from a new, High-Resolution, Shear-Wave Velocity Model of the Upper Mantle <i>Amr El-Sharkawy, Thomas Meier, Sergei Lebedev, Jan Behrmann, Mona Hamada, Luigia Cristiano, Christian Weidle, and Daniel Köhn</i>
Tectonic evolution of the Mediterranean region from a global plate kinematics perspective : insights from a new deformable tectonic model <i>Simone Agostini, Simon Otto, John Watson, and Roy Howgate</i>
The structure of the Central-Eastern Rif (Morocco) and the disregarded subduction of the North-West African paleo-margin <i>Oriol Gimeno, Dominique Frizon de Lamotte, Rémi Leprêtre, Faouziya Haissen, Achraf Atouabat, and Geoffroy Mohn</i>
The Westernmost Mediterranean evolution: A review of the Alboran and Algero-Balearic basins stratigraphy <i>Laura Gómez de la Peña, César Ranero, Eulàlia Gràcia, and Guillermo Booth-Reda</i>
Late stage of the Gibraltar arc subduction system (western Mediterranean): from slab-tearing to continental-edge delamination <i>Ana M. Negredo, Flor de Lis Mancilla, Carlos Clemente, Jose Morales, and Javier Fullea</i>
Deep seated density anomalies across the Iberia-Africa plate boundary and its topographic response <i>Ivone Jiménez-Munt, Montserrat Torne, Manel Fernández, Jaume Vergés, Ajay Kumar, Alberto Carballo, and Daniel Garcia-Castellanos</i>
Comparison of the crust and upper mantle structure of the Alboran and Algerian domains (Western Mediterranean) : Tectonic significance <i>Ajay Kumar, Manel Fernández, Jaume Vergés, Montserrat Torne, and Ivone Jimenez-Munt</i>