

Neotectonics

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Neotectonics is a regime that initiated at any time in the geological past and is still lasting. In this meaning, it is a more general term and also includes the terms 'Active Tectonics' and 'Travertine Tectonics'. The Neotectonic regime may be extensional or contractional in nature. They may occur side by side over a broad region and interfere to each other as in the case of Turkey and adjacent areas. Based on the duration of the Neotectonic period, it may be long-term events such as the opening of Atlantic Oceanic Basin or short-term events such as the opening of the Red Sea, and initial rifting events including normal faulting, development of graben-horst systems, alkali volcanism and/or strike-slip faulting and development of various pull-apart basins. There are a series of neotectonic problems in not only Turkey but also all over the world such as the inversion tectonics, initiation age, duration, stress system(s) and its distribution, basin formation, its geometry and evolutionary history, amount and nature of slip and deformation, origin and evolutionary history of various morphotectonic structures such as terraces, incised valleys, fan-deltas and fissure-ridge travertines. The detailed data on the neotectonics of any region is a key in the solution of not only the neotectonic problems but also in the applications and construction of Engineering structures, such as the site selection, exploration of geothermal systems and determination of earthquake hazard and risks of a given area.

Under the light of above-mentioned short explanation, the Neotectonic Session aims: (1) to bring together both native and foreign scientists who are interested in Neotectonics and related problems, and to discuss various neotectonic problems; (2) to collect all data and different ideas on the development of neotectonics in a scientific issue, and finally (3) to present this material in usage of especially young scientists.

In this frame, if you wish to contribute to the above-mentioned aims, it is kindly welcomed your paper presentation(s). Some of the specific topics are:

- Strike-slip fault systems
- Strike-slip basins and their evolutionary history
- Active Subduction and Reverse-thrust fault zones
- Intermountain basins (ramp basins) and their evolutionary history
- Normal fault systems
- Graben-Horst systems and their evolutionary history
- Morphotectonic structures and their evolutionary history