

VOLCANISM SESSION

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Volcanism is one of the most prominent surface expressions of Earth's internal dynamics. Processes ranging from magma generation and ascent to the emplacement of volcanic products and the reshaping of Earth's surface provide key records for understanding our planet's geological evolution. The implications of volcanic activity for natural hazards, climate, the environment, energy, and mineral resources directly connect volcanism research with society's present and future.

Held under the theme "Geosciences in Addressing Global Challenges: Earth–Society–Future," the "Volcanism Session of the 79th Geological Congress of Türkiye" aims to bring together research exploring volcanic systems across different scales and through diverse methods.

The session welcomes contributions on magma generation, evolution, and storage, the relationship between volcanism and tectonics, volcanic rock petrology, physical volcanology, volcanostratigraphy and geochronology, eruption dynamics and the emplacement of volcanic products. Other key topics include monitoring volcanic systems, assessing volcanic hazards and risks, volcanism–climate–environment interactions, and the links between volcanic processes and geothermal and mineral resources.

By bringing together field observations, laboratory data, experimental studies, and modelling approaches, this session seeks to provide a forum for discussing recent findings, exploring new research questions, and developing scientific collaborations.

We invite all researchers working on volcanism to share their work and contribute to the scientific discussions at the Volcanism Session of the 79th Geological Congress of Türkiye.