



12th workshop of the working group on palynology

2nd circular

Dear friends,

After some pandemic years, when we had limited opportunities for personal scientific meetings, we are ready to organize and hold the ***12th workshop of the working group on palynology*** at the Akdeniz University, Department of Geological Engineering, Antalya, Turkey.

Date: October 17, 2023 – Arrival Day

October 18 and 19, 2023 – Workshop – presentations, microscopy and excursion

October 20, 2023 – Departure Day

The venue

The 12th NECLIME workshop will be held at the Akdeniz University, Department of Geological Engineering, Antalya, Turkey. The geology department is part of the engineering faculty. It is located on the main campus of the university.

The Antalya region, offering all the mysticism of the past and of our days, is now called the "Turkish Riviera", due to its archaeological and natural beauties. Antalya is the place where sea, sun, history and nature constitute a perfect harmony and which also comprises the most beautiful and clearest coast along the Mediterranean. Antalya was awarded the "Golden City with Five Flowers" award in the Blooming Cities competition held in Kamloops, Canada.

We look forward to welcoming you to Antalya and hope that you will enjoy your stay in our city.



Main entrance of the Akdeniz University

Place:

Faculty of Engineering, Department of Geological Engineering, Akdeniz University in Antalya
Dumlupınar Avenue – Campus 07058 Konyaaltı Antalya TURKEY



Lower Düden Waterfall in Antalya



Upper Düden Waterfall in Antalya



An avenue of the Inner Castle (Kaleiçi)

Scientific program and topics

The program will traditionally be based on presentations, as well as the microscopy of slides you will bring with you, which we will discuss together.

Main scientific topics:

- Plant diversity reflected in pollen assemblages
- Pollen and NPPs as complementary environmental proxies
- The role of modern soil surface samples for vegetation reconstructions
- SEM studies and/or modern comparative materials as a tool to improve taxonomic resolution
- NLRs of Neogene (and Paleogene) pollen types
- Palynology of the Eastern Mediterranean and adjacent areas
 - The role of palynomorphs in regional biostratigraphy
 - History of plant diversity in the Eastern Paratethys
 - The Balkans as a refuge area and migration route (Floristic exchange between Europe and Asia)
- Aridification trends and large-scale changes of palaeovegetation patterns – evidence from pollen record.
- Optional: Open discussion on important topics.
-

Unfortunately, we do not have at our Faculty any reference pollen collection. Please, bring with you slides you would like to discuss with all. There is no strict time limit for your presentations because we would like to have a fruitful working atmosphere without stress during our meeting.

Conference fee

The conference fee of 150 EUR includes lunches, coffee breaks, abstract volume, excursion to the *Inner Castle of Antalya*, and other workshop facilities, and is payable on site.

Workshop excursion

- *Inner Castle of Antalya*
- *Lower Düden Waterfalls*

Travel and accommodation

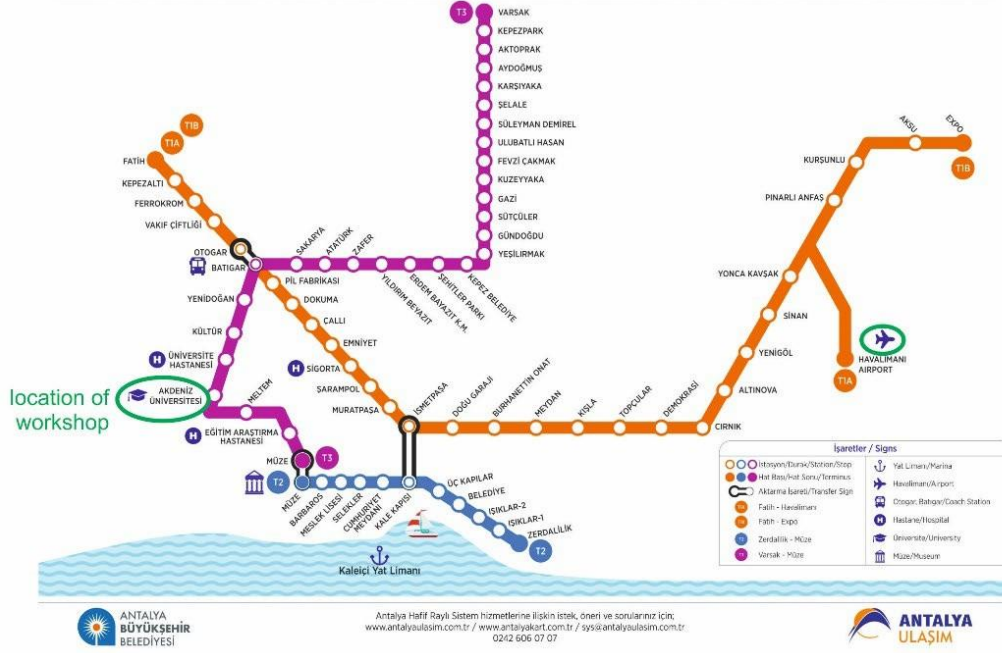
There are several reasonably priced hotels within short walking distance of the department of geology, offering a good service and familiar atmosphere.

Antalya Airport is an international airport, situated approximately 12 kilometres northeast of the Antalya city centre. The workshop venue is close to the city centre. You may easily reach Antalya from most of countries.

You can use two tram lines to reach the workshop venue. One is the airport tram line, which starts from the airport and ends in Fatih (orange line). You should change the tram on the central bus station (otogar). Then, preferably change to another tram called Varsak - Gazi - Atatürk Tram line (burnt rose line), until reaching Akdeniz University.



ANTALYA TRAMVAY HAT VE DURAK HARİTASI / ANTALYA RAILWAY NETWORK MAP



Organizing committee

Mehmet Serkan Akkiraz, Erdal Koşun, Angela Bruch, Marianna Kováčová, Torsten Utescher and Dimiter Ivanov



PROGRAM of 12th NECLIME workshop

18 OCTOBER, 2023 (Wednesday), Hall of Geological Engineering

9.00-10.00	Registration of the participants
10.00-10.10	Opening of the workshops
10.10-10.30	Introductory lectures- Erdal Koşun, Angela A. Bruch, Dimiter Ivanov
10.30-10.50	Angela A. Bruch, Selina Mahler, Irina Shatilova <i>Neogene long-term trends in climate in Western Georgia and its impact on pollen diversity</i>
10.50-11.10	Detelina Belkinova, Dimiter Ivanov <i>Ecological Implication of Non-Pollen Palynomorphs – an Example from the Late Miocene Belibreg Coal Basin (Bulgaria)</i>
11.10-11.30	Sariye Duygu Durak, Mehmet Serkan Akkiraz, Nazie Özgen Erdem, Atike Nazik <i>Eocene palaeoecology of the Mengen (Bolu) Basin, comparison of other coeval deposits of Turkey</i>
11.30-11.50	COFFEE BREAK
11.50-12.10	Nurdan Yavuz <i>Non-Pollen Palynomorphs as Potential Palaeoenvironmental Indicators in Quaternary sediments from Anatolia</i>
12.10-12.30	Lisa Schiersch, Angela A. Bruch <i>First approach to quantifying the relationship between the regional vegetation and the pollen record of Armenia</i>
12.30-13.20	LUNCH
13.20-13.40	Nikita Lavrenov, Ekaterina Ershova, Valery Pimenov <i>Late Holocene landscape dynamics and human impact on it in Smolensk Region (Western Russia)</i>
13.40-14.00	Narine Hayrapetyan, Elen Hakobyan, Eliso Kavadze, Edoardo Martinetto, Ivan Gabrielyan, Angela A. Bruch <i>Middle to late Holocene Lake level changes of Lake Sevan (Armenia): Evidence from pollen and NPP analysis of the Tsovinar-1 peat section</i>
14.00-14.20	Sarah Gonçalves Duarte, Francisko José da Silva, Mitsuru Arai, Harinam Joshi, Haytham El Atfy <i>Paleoclimatic, paleoenvironmental and paleoecological discussions based on the records of spores of the Anemiaceae family and other associated palynomorphs from upper Jurassic up to Miocene</i>
14.20-14.40	COFFEE BREAK
14.40-18.00	Sightseeing of Inner Castle (kaleiçi)
18.00-21.00	DINNER Inner Castle (kaleiçi)

19 OCTOBER, 2023 (Thursday), Hall of the Geological Engineering

9.00-9.20	Eliso Kavadze <i>New opportunities for joint research of non-pollen palynomorphs (NPP) and pollen for the reconstruction of the environment, living conditions and activities of ancient human</i>
9.20-9.40	Sarah Gonçalves Duarte, Mitsuru Arai <i>Scleireids and trichomes (new categories of palynomorphs sensu lato): Comparative studies between the fossils and of the extant/living plants with their preliminary applicabilities.</i>
9.40-10.00	Valerii Pimenov, Ekaterina Ershova <i>Local vegetation of the Kamchatka river valley during The Holocene and Late Pleistocene: reconstruction based on palynological and tephrochronological data</i>
10.00-10:40	COFFEE BREAK
10.40-12.00	Workshops at the microscope (the opportunity to observe the participants samples)- Department of Biology
12.00-13.00	LUNCH
13.00-15.00	Discussion, summary and plans for the future, closing of the workshops
15.00-18.00	Sightseeing of Lower Düden Waterfalls