

**Manipal Centre for Natural Sciences
Centre of Excellence**



First detailed drawings of pollen. Fritzsche (1837) "Über den Pollen"
Source: Halbritter, et al., 2018. Illustrated pollen terminology. Springer.

Short certificate course on
"Introduction to Palynology"

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Course duration: May 9th -13th, 2022

Format: Interactive classes on 9th, 11th, and 13th May 2022, from 5:30 pm to 7:00 pm, and additional reading /activities, on 10th and 12th.

Venue: Microsoft Teams online platform.

About the course: Palynology is a scientific discipline that mainly focuses on studying pollen and spores from plants, both from living and fossil forms. Pollen and spores are formed in the plants as a part of the reproductive cycle. They carry the genetic material inside a thick rigid cell wall containing sporopollenin. This encasing protects and enables the pollen and spores from deterioration in a wide range of environments. Pollen analysis is one of the most common methods to investigate present and past vegetation abundances and understand land plants' evolution through geological history.

Topics to be covered: (i) A brief history of Palynology (ii) Pollen Morphology and Ultrastructure (iii) Pollen Dispersal and Sedimentation (iv) Pollen in Surface soil and Lake Sediment (v) Pollen as an indicator of vegetation (vi) Pollen preservation and deterioration (vii) Pollen recovery (viii) Applications of Palynology

Who can apply: Students enrolled in an undergraduate program (final year) or postgraduate in the field of Plant Science or Botany. Lifelong learners who wish to get an overview of the field are also welcome.

How to apply: The number of participants is limited to 30. A candidate can apply via the link

https://forms.office.com/Pages/ResponsePage.aspx?id=Qr2-Kf_xPUyWiAZ-NGDcH72COaxphpnNi0vv_ajaHfpUOE5FUjFDTjM0OEZGSIINNVVBRUdIQTdTVS4u
Selected candidates will be notified through email. There is no registration fee.

Eligibility for the completion certificate: 100% attendance and completion of all the modules in the course.

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