



## 1. Introduction

The International Committee for Coal and Organic Petrology (ICCP), in conjunction with the Department of Geology, University of Patras, is pleased to announce a training course in [Optical Microscopy of Dispersed Organic Matter](#) to be held in Patras, Greece between 25-29<sup>th</sup> September 2023.

The course is designed for professionals and students, and is not exclusively targeting organic petrologists but also those, who rather deal with petrographic data.

The course is centred on the petrology of dispersed organic matter both under transmitted and reflected light with particular emphasis in the integration of the information from both observation modes. The course will cover identification of palynofacies components, macerals and procedures for the quantification of the different components. Challenges and common mistakes will be covered. Estimation of source rock maturity, geochemical and optical parameters, identification of vitrinite and measurement of vitrinite reflectance will be stressed.

The Instructors will be Prof. João Graciano Mendonça Filho and Dr Angeles G. Borrego.

## 2. Course outline

The course will be held daily (25-29<sup>th</sup> September) from 9:00 a.m. until 5:00 p.m., with breaks for morning and afternoon coffee/tea, and lunch.

The following items will be covered in the course:

1. Dispersed Organic Matter (DOM): Concepts and definitions.  
OM production, processes and sedimentation  
OM evolution. Physicochemical transformation during maturation
2. Transmitted and reflected light microscopy techniques (white and blue lights)  
Sample preparation, modes of illumination, qualitative and quantitative procedures
3. Palynofacies. Identification and classification of components. Interpretation of results.
4. Identification and quantification of macerals and components
5. Maturity of organic matter: SCI-Spore Colour Index; spectral fluorescence

parameters. Vitrinite reflectance measurement. Identification of indigenous vitrinite. Interpretation of results

6. Organic facies and case studies

7. Emphasis will be given to practical exercises. Practical session facilities will be provided by Hilgers Technisches Büro, using a microscope coupled to an image projector equipped with FOSSIL software for reflectance measurement, documentation and training.

8. One full afternoon at least will be devoted to questions and problems in the materials the participants are dealing with in their research or technical works. The format will be as slide show to share and also the samples can be brought to the practical sessions.

**Related activities:** The course will take place right after the 2023 Joint 74th ICCP and 39th TSOP Meeting in the same location, therefore participants will have the chance to attend the fieldtrips organized around the meeting and the symposium sessions.

### 3. Registration and fees

Costs for the course include course notes, lunches and coffee-breaks. Cost for the course excludes travel, accommodation and meals other than during the course. The number of participants is limited to 20.

***[Registration \(https://www.iccop.org/registration-form-for-the-15th-iccp-dom-course-in-patras-2023/\)](https://www.iccop.org/registration-form-for-the-15th-iccp-dom-course-in-patras-2023/) is now available.***

Due date for registration and payment is **August 30<sup>th</sup>, 2023**. A detailed outline of the course will be available on the website closer to the course.

Company / Professional 1300 €

Government / Non-Profit 750 €

Student 250 €

Pay either by Bank Transfer to:

Bank Name: Commonwealth Bank of Australia  
Address: 48 Martin Place, Sydney, NSW 2000, Australia  
Account Name: International Committee for Coal and Organic Petrology  
BSB: 064107  
Account Number: 10409339  
Swift Code: CTBAAU2S

**Reference: your surname and 15th ICCP Course.**

Or Contact ICCP's Treasurer Dr. Joan Esterle [j.esterle@uq.edu.au](mailto:j.esterle@uq.edu.au) for Credit card payments. Receipt will be sent upon payment.

### 4. Accommodation

Participants will have to arrange their own accommodation. However, the organizers arranged special prices with the following Hotels:

) Castello Hotel (<https://www.castellohotel.gr/>) in walking distance to the

Venue.

- ) Astir Hotel (<http://www.hotelastirpatras.gr/patras-hotel/index.html>), in city center.
- ) Moxy Patra Marina (<https://moxy-hotels.marriott.com/reservations@moxypatra.com>) in city center.

For any assistance please contact Dr. Stavros Kalaitzidis ([skalait@upatras.gr](mailto:skalait@upatras.gr)).

## 5. Venue

### [Conference and Cultural Centre, University of Patras](#)

University Campus, 26504Rio-Patras

Please note the University Campus is located about 7 km from the city center. There are regular buses and the cost of a taxi is about 8 Euros one way (about 15-20 min drive).

## 6. Trainers

### **Prof. João Graciano Mendonça Filho**

Dr. João Graciano Mendonça Filho is Bachelor in Geology from Federal University of Paraná, Brazil (1989), Master in Organic Petrography and Geochemistry (Federal University of Rio Grande do Sul, Brazil, 1993) and PhD in Organic Facies (Federal University of Rio Grande do Sul, Brazil, 1999). During his PhD, Professor João Graciano was an exchange student at the Karls Eberhard Universität Tübingen, Germany and the Fossil Fuels and Environmental Geochemistry Postgraduate Institute, University of Newcastle, Newcastle upon Tyne, England. He is Full Professor of Geology Department from the Federal University of Rio de Janeiro (UFRJ). Professor João Graciano is coordinator of the Palynofacies and Organic Facies (LAFO) and Petroleum and Environmental Geochemistry (LAGEPA) Laboratories at UFRJ. Besides this, also coordinates the research groups of the Petroleum Geochemistry and Environmental Organic Geochemistry and Palynofacies and Organic Facies at CNPq (National Council for Scientific and Technological Development), where he is classified as Level 1A Researcher. Advisor of several Bachelor, Master and PhD works in Geology at UFRJ, and contribute to the Undergraduate Courses and Graduate Programs in Geology from other universities in Brazil, Portugal, and France, working in Geosciences with an emphasis in Petroleum Geochemistry, Organic Petrology, Palynofacies, Organic Facies, and Environmental Organic Geochemistry. He has great experience in coordination and research projects development acting on Oil and Gas Area. He is member of several scientific societies such as ALAGO (Latin American Association of Organic Geochemistry), AAPG (American Association of Petroleum Geologists), and ICCP (International Committee for Coal and Organic Petrology). Within the ICCP, he is Convener of Palynofacies Working Groups and Organizer of the Dispersed Organic Matter Vitrinite Reflectance Accreditation Program (DOMVR), and one of the Instructors of the ICCP Training Course in Dispersed Organic Matter. Prof. João Graciano is author and co-author of an important number of peer-reviewed papers, books, book chapters, editor of Scientific Journals always focused on topics of geochemistry and organic petrology applied to fossil fuels exploration. In the last years he has received



several international Awards recognizing his scientific and research work and contributions to the science, among them The Organic Petrology Award from ICCP in 2012.

### **Dr. Angeles Borrego**

Angeles G. Borrego is Scientific Researcher at the Instituto Nacional del Carbón (INCAR-CSIC) in Oviedo, Spain. She got the PhD from the University of Oviedo in Spain in 1992 after having performed short stays at the NRG on fossil fuels and environmental geochemistry in Newcastle upon Tyne (UK), and the University of Bergen (Norway). She worked for nearly three years at the Lehrstuhl from Erdöl und Kohle (RWTH Aachen), Germany with a Marie Curie postdoctoral fellowship.



Her research has mainly focused on the study of oil shale and source rocks with special emphasis in the relationships between organic petrology and geochemistry, the petrographic characteristics of chars and the behavior of macerals upon pyrolysis, and more recently on peat as record of palaeo-environmental variability. This research has been carried out within the framework of national and international projects and has yielded over 90 papers in peer reviewed journals. Angeles gives some classes at the University of Oviedo and has taught compact organic petrology courses for coal and oil companies and at the Federal University of Rio Grande do Sul (Porto Alegre, Brazil), Universidad Pedagógica y Tecnológica de Colombia (Sogamoso) and Universidad Autónoma de Coahuila (Mexico) in addition to the ICCP course on Dispersed Organic Matter in 2014 and 2017 and the General Organic Petrology Course in 2016 and 2022.

For further Information

<https://www.iccop.org/course/15th-iccp-course-optical-microscopy-of-dispersed-organic-matter-facies-and-maturity-patras-2023/>

or please contact

Dr. João Graciano Mendonça Filho at [graciano@geologia.ufrj.br](mailto:graciano@geologia.ufrj.br)

or

or Dr. Stavros Kalaitzidis [skalait@upatras.gr](mailto:skalait@upatras.gr)

## Useful Maps

### University Campus



### Venue Map

