



## **PM oxidative potential: response of acellular assays to predict PM-induced oxidative stress activity**

**One day Workshop: 3 July 2019, Ferrara, Italy**

### **Venue**

The location is University of Ferrara, Polo Chimico Bio Medico (Mammut), Via Luigi Borsari, n. 46 – Via Fossato di Mortara, 15. 44121 Ferrara

### **Description**

A one day Workshop is organized by the Italian Aerosol Society (IAS, [www.iasaerosol.it](http://www.iasaerosol.it)), as part of its institutional activities. The focus will be on the links between the PM redox properties, responsible for the generation of reactive oxygen species, and adverse toxicological endpoints. The workshop will join experts of chemistry and atmospheric science with those of biochemistry, toxicology and epidemiology for a cross-disciplinary discussion on these topics.

Presentations will focus the most recent advances on the topic and discussions will deal with possible future developments and applications.

The Workshop foresees **five invited talks, a poster session, and a final discussion session.**

### **Timetable**

**10.00:** Opening session

**10.30:** Review of acellular assays for measuring ambient PM oxidative potential.

S. Canepari (University of Rome)

**11.15:** PM-induced oxidative potential with particle chemical composition and sources: year long measurements from Athens, Greece.

N. Mihalopoulos (University of Crete)

**12.00:** In vitro cellular assay for study of oxidative damage mechanisms related to PM exposure.

G. Valacchi (North Caroline State University)

**13.00 – 14.00: Lunch Break at the same venue of the workshop.**

**14.00:** Relevance of oxidative potential in predicting PM toxicity.

J. Øvreivik (Norwegian Institute of Public Health/ University of Oslo)

**14.45:** Review of ambient particulate matter oxidative potential measured in Italy.

M.C. Pietrogrande (University of Ferrara)

**15.30: Round table.** Final discussion session chaired by C. Perrino (National Research Council, Rome)

**16.30:** Closing session.



## Registration

The registration for the workshop is free of charge for IAS members (regularly inscribed) and the registration fee is 80 Euros +VAT for non IAS members

A pre-registration is required by sending an e mail to [c.lecerf@isac.cnr.it](mailto:c.lecerf@isac.cnr.it). The registration deadline is **15 June 2019**.

## Poster submission

Poster contributions will be presented during the workshop and discussed during the lunch break. The abstract of poster presentations should be submitted following the abstract template available at the site [www.iasaerosol.it](http://www.iasaerosol.it), to be sent to [c.lecerf@isac.cnr.it](mailto:c.lecerf@isac.cnr.it).

The abstract submission deadline is **30 May 2019**.

A book of abstracts will be published (with ISBN registration).

A **Special Issue of the journal *Atmosphere*** (ISSN 2073-4433, SCIE, IF: 1.704) "Oxidative Potential of Atmospheric Aerosols" will be devoted to the workshop topic dealing broadly with the characterization of the oxidative potential of atmospheric particles addressing several different perspectives.

Website: [https://www.mdpi.com/journal/atmosphere/special\\_issues/oxidative\\_aerosols](https://www.mdpi.com/journal/atmosphere/special_issues/oxidative_aerosols).

A special discount of 20% on publication fee will be granted to selected communications presented at the workshop.

Guest Editor: Dr. Stefano Decesari, Prof. Dr. Maria Rachele Guascito, Prof. Dr. Maria Chiara Pietrogrande and Dr. Daniele Contini.

The deadline for manuscript submissions is **31 October 2019**.

## How to reach us

### By train

The venue of the Workshop Polo Chimico Bio Medico (Mammut) is about 2.5 km far from the Ferrara railway station.

Busses 1, 3 or 9 connect the Ferrara railway station to the downtown (for timetable, please visit: <https://www.tper.it>).

### By Air Bologna Airport shuttles to Ferrara

- BUS&FLY shuttle to FERRARA, 60 minutes journey. Departures every 2 h 30' between 5.45 a.m. and 11.30 p.m. To learn more about the quick transfer from Bologna Airport to Ferrara please visit: <http://www.ferrarabusandfly.it>
- Shuttle Bus to Bologna Centrale railway station every 20 minutes, and from there to Ferrara every hour by direct train.



## Accommodation

### Hotel 4\*

- Hotel Annunziata ([www.annunziata.it](http://www.annunziata.it)) located in Ferrara downtown, 17 minutes walking from the Congress venue.
- Hotel Ferrara ([www.hotelferrara.com](http://www.hotelferrara.com)) located in Ferrara downtown, 17 minutes walking from the Congress venue.

### Hotel 3\*

- Hotel Europa ([www.hoteleuropaferrara.com](http://www.hoteleuropaferrara.com)) located in Ferrara downtown, 12 minutes walking from the Congress venue.
- Hotel de Prati ([www.hoteldeprati.com](http://www.hoteldeprati.com)) located in Ferrara downtown, 14 minutes walking from the Congress venue.
- Hotel Touring ([www.hoteltouringfe.it/it](http://www.hoteltouringfe.it/it)) located in Ferrara downtown, 14 minutes walking from the Congress venue.
- Hotel Ferrara Antica Corte Residence di Charme ([www.anticacorte.fe.it](http://www.anticacorte.fe.it)) located in Ferrara downtown, 7 minutes walking from the Congress venue.
- Locanda della biscia ([www.locandadellabiscia.it](http://www.locandadellabiscia.it)) located in Ferrara downtown, 9 minutes walking from the Congress venue.
- Locanda Modigliani ([www.locandamodigliani.it](http://www.locandamodigliani.it)) located in Ferrara downtown, 10 minutes walking from the Congress venue.

### Scientific Committee

Maria Chiara Pietrogrande – University of Ferrara

Maria Rachele Guascito – University of Salento

Stefano Decesari – ISAC-CNR, Bologna

Daniele Contini – ISAC-CNR, Lecce

### Organising Committee

Maria Chiara Pietrogrande – University of Ferrara

Mara Russo – University of Ferrara

Elisa Zagatti – University of Ferrara

Carole Lecerf – Secretary of IAS

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