



**15th International Symposium  
on  
Environmental Pollution  
and its Impact on Life  
in the Mediterranean Region**

**October 7 to 11, 2009  
Bari – Italy**

**with focus on  
Environmental Threats  
in the Mediterranean Region:  
Problems and Solutions**

**Organized by**



**MESAEP**

Mediterranean Scientific Association  
of Environmental Protection

**SECOND CIRCULAR**

## In collaboration with

University of Bari, Italy; Politecnico di Torino, Italy; Regione Puglia; Agenzia Regionale per l'Ambiente Puglia (ARPA), Bari, Italy; Istituto Agronomico Mediterraneo (IAM)-Bari, Italy; European Commission - Joint Research Centre, Ispra; Helmholtz Zentrum München, Germany; University of Ioannina, Greece; Akdeniz University, Antalya, Turkey; State General Laboratory, Min. of Health, Cyprus; Bavarian Research Allianz, München, Germany; SELECTO srl, Bari, Italy.

## Under the auspices of

University of Bari; Regione Puglia; Provincia di Bari; University of Foggia; Int. Union of Soil Science (IUSS); European Confederation of Soil Science Societies (ECSSS); Int. Society of Humic Substances (IHSS); Int. Society of Doctors for the Environment (ISDE); Balkan Environmental Association; Associazione Italiana Società Scientifiche Agrarie (AISSA); Società Chimica Italiana (SCI); Società Italiana della Scienza del Suolo (SISS); Società Italiana di Chimica Agraria (SICA); Ordine dei Biologi Italiani; Società Italiana di Biologia Marina (SIBM); Società Italiana di Pedologia (SIPE).

## With the sponsorship of

University of Bari; Regione Puglia; Fondazione Cassa di Risparmio di Puglia, Bari; DiSACD, Univ. Foggia; DIONEX spa; ThermoFisher spa; FKV; LabInstruments.

## MESAEP SYMPOSIA

Previous symposia were held in Athens, Greece (1981), Crete, Greece (1983), Istanbul, Turkey (1985), Kavala, Greece (1987), Blanes, Spain (1989), Como, Italy (1991), Antibes, France (1993), Rhodes, Greece (1995), Sorrento, Italy (1997), Alicante, Spain (1999), Limassol, Cyprus (2001), Antalya, Turkey (2003), Thessaloniki, Greece (2005) and Seville, Spain (2007).

The Executive Committee of MESAEP has the pleasure to present a warm invitation to attend the 15th International MESAEP Symposium that will be held in Bari, Italy, from October 7 to 11, 2009.

## OBJECTIVES

The objectives of the symposium are to offer opportunities for scientists of different countries to:

- exchange recent results related to environmental pollution processes and their effects on natural resources, public health and economy in the Mediterranean region
- discuss current scientific, technological and legal issues to avoid or reduce the degradation of the Mediterranean environment
- provide suggestions and recommendations to regulatory authorities on environmental quality and safety in the Mediterranean countries.

## Honorary Committee

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## National Organizing Committee

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## THEME and TOPICS/SESSIONS

**The General Theme of the Conference is:**

**“Environmental Threats in the Mediterranean Region: Problems and Solutions”,**

**and the Plenary Lecture:**

**“Mediterranean and the Ecological Footprint”**

**will be presented by Dr. I. Efthymiopoulos, President IIER, Greece**

This overarching theme will be discussed in 11 sessions dealing with the following specific topics and the keynote lecture of the corresponding Invited Speakers :

**Session 1. Agricultural, domestic and industrial wastes**

Prof. U. Mingelgrin, Volcani Center, ARO, Bet Dagan, Israel  
“Agricultural Uses of Coal Fly Ash”

**Session 2. Soil quality, pollution, degradation and desertification**

Prof. J. Cornejo, CSIC, Sevilla, Spain  
“Use of Clays and Organic Amendments for Soil Quality Improvement”

**Session 3. Water quality and pollution**

Prof. E. Stephanou, Univ. of Crete, Greece  
“Occurrence and Behaviour of Emerging Contaminants in Waste Water Treatment Plants: Challenges in their Exposure Assessment”

**Session 4. Outdoor and indoor air quality and pollution**

Prof. L. Klasinc, Ruden Boskovic Inst., Zagreb, Croatia  
“Rating of Mediterranean Photochemical Air Pollution Sites”

**Session 5. Crops and food quality and pollution**

Dr J. Isaac, Appl.Res.Inst., Jerusalem, Palestinian Authority  
“The Dilemma of Natural Resources Management and Agro-Food Production in Palestinian Authority”

**Session 6. Environment and human health**

Prof. G. Assennato, ARPA Puglia, Univ. Bari, Italy  
“Environmental Governance and the Role of Regional Environmental Protection Agencies”

**Session 7. Animal health risks**

Prof. G. Ciftcioglu, Univ. Istanbul, Turkey  
“Impact of Environmental Pollution on Animal Health and Food for Animals”

**Session 8. Intercompartmental element fluxes and climate changes and effects on the ecosystem and human health**

Prof. W.H. Blum, BOKU Univ., Wien, Austria  
“Spatial and Temporal Dimensions of Physico-Chemical and Biological Processes in Soils”

**Session 9. Biodiversity and sustainability**

Prof. S. Dumontet, Partenope Univ., Napoli, Italy  
“Microbial Diversity and Soil Making”

**Session 10. Sustainable mobility and renewable energy use to combat pollution**

Prof. A. J. Karabelas, CPERI-CERTH, Thessaloniki, Greece  
“Renewable Energy Sources and Sustainability”

**Session 11. Natural and artificial radioactive pollution**

Prof. E. Tomarchio, Univ. Palermo, Italy  
“Environmental Radioactivity Measurements in the Mediterranean Area”

# GENERAL PROVISIONAL PROGRAMME

## 7 October 2009, Wednesday

- 9.00-15.00: Registration Hotel Palace  
14.00-15.00: Opening Ceremony Salone degli Affreschi, Palazzo Ateneo, Università di Bari  
15.00-15.45: Opening Plenary Lecture  
16.05-18.20: Session 6 (Human Health)  
18.20-20.30: Welcome reception

## 8 October 2009, Thursday Hotel Palace

- 8.30: Registration continued, poster placement Sessions 6, 1, 3, 4  
8.30-10.30: Session 1 (Wastes)  
10.50-13.05: Session 3 (Waters)  
13.05-14.30: lunch break  
14.30-16.00: Session 3 cont. (Waters)  
16.20-18.35: Session 4 (Air)  
18.35-19.35: poster discussion  
19.35: poster removal Sessions 6,1, 3, 4, Poster placement Sessions 2, 5, 7  
19.35: General Assembly of MESAEP

## 9 October 2009, Friday Hotel Palace

- 8.30: Registration continued. Poster placement Sessions 2, 5, 7  
8.30-10.30: Session 2 (Soils)  
10.50-12.35: Session 2 cont. (Soils)  
12.35-13.05: Session 5 (Crops/Food)  
13.05-14.30: lunch break  
14.30-16.15: Session 5 (Crops/Food)  
16.35-18.20: Session 7 (Animal Health)  
18.20-19.20: poster discussion Sessions 2, 5, 7  
19.20: poster removal Sessions 2, 5, 7. Poster placement Sessions 8, 9, 10, 11  
20.30: social dinner and folklore show

## 10 October 2009, Saturday Hotel Palace

- 8.30: Registration continued. Poster placement Sessions 8, 9, 10, 11  
8.30-10.15: Session 8 (Fluxes/Climate)  
10.35-12.20: Session 9 (Biodiversity)  
12.20-14.00: lunch break  
14.00-15.45: Session 10 (Sust. Mob./Ren. Energy)  
16.05-17.50: Session 11 (Radioactivity)  
17.50-18.20: poster discussion.  
18.20-18.30: closing ceremony  
18.30: poster removal Sessions 8, 9, 10, 11

## 11 October 2009, Sunday

- 8.30-18.30: All-day Post-Symposium Excursion

## SYMPOSIUM LOCATION

The city of Bari is located in South Eastern Italy on the sunny and warm Adriatic coast, in the Region of Puglia of which is the regional capital. Bari counts around 400,000 inhabitants and is a very active commercial and touristic port featuring several daily ferry connections with Greece, Albania, Montenegro and Croatia. The city features an old medieval area rich in renowned monuments, including the romanic Basilica of San Nicola and the Cathedral of the 10th-11th century, several other churches and buildings of various styles, narrow streets and small squares permeated by a suggestive ancient atmosphere, and several small restaurants, pubs and bars.

The active and crowded city centre surrounds the old city featuring long straight streets, several buildings of the 18th-19th century, including the central University building, the Ateneo, and elegant shops for all needs, restaurants of all types, pubs and bars. A typical feature of Bari is the impressive boulevard along the seashore (Lungomare), about 2-km long, with the old small harbor where still are small fishing boats.

The modern, wider city surrounds the city centre, and includes the scientific Campus of the University of Bari, buildings hosting several other University Faculties and Research Institutes, and the Polytechnic of Bari.

The beaches south and north of the city are renowned for their fine white sands often surrounded by pine woods and cliffs of calcareous rock.

The province of Bari and the region of Puglia offer a number of beautiful towns, both on the coast and on the hills, rich of culture, monuments and architectural features, and an agricultural land rich of centuries-old olive trees, vineyards and orchards.

The Symposium will take place at the Palace Hotel in the city centre.

## ORAL AND POSTER PRESENTATIONS

The program of the symposium will include invited plenary and keynote lectures, and voluntary oral and poster presentations. In the oral and poster presentations all of the above topics will be addressed in an interdisciplinary manner, including aspects of science, technology, policy and education. Oral and poster contributions will be regarded as scientifically equivalent in the program.

Posters should be affixed in the evening of the day before or in the early morning of the day of the corresponding oral session, and removed in the evening of the presentation day. Selected poster authors will be invited to briefly present (3 min/3-4 slides) their poster content in full audience sessions scheduled.

All presentations (oral and posters) should be in English.

Poster authors are requested to place and remove their posters on the days and times specified in the General Provisional Programme. Poster Boards available have the following dimensions: 2.00 m high, 1.00 m large.

## PAPERS PUBLICATION

For both oral and poster contributions, a one-page abstract should be submitted by e-mail, as an attached file, to the following address: [symp09@mesaep.org](mailto:symp09@mesaep.org) not later than July 31, 2009. Abstracts can be accepted as last-minute submission until the end of next September 2009, but not published in the book of Abstracts.

The abstract should be arranged as shown on the pdf example or the Word file.

Authors of already presented abstracts have been notified about the acceptance and the form of presentation. Poster or oral presentations will be included in the Symposium Programme if at least one of the authors is registered and present at the Symposium.

The book of abstracts will be printed before the Symposium and distributed to all participants upon registration at the Symposium.

All papers presented at the Symposium will be eligible, upon refereeing, for publication in the peer reviewed international journal *FRESENIUS ENVIRONMENTAL BULLETIN (FEB)*, the official journal of ME-SAEP.

Instructions will be provided later.

## REGISTRATION FEES

	MESAEP-Members**	Non members**	Students**	Accompanying persons
Before July 31, 2009*	350	450	180	150
After July 31, 2009* or on-site	400	500	220	180

\* Note the postponed deadline for payment of early Registration Fee.

\*\* Participants of the following South Mediterranean, Balkan and Asian countries:

Bulgaria, Albania, Serbia, Montenegro, Bosnia-Herzegovina, FYRO Macedonia, Palestinian Authority, Lebanon, Syria, Egypt, Lybia, Tunisia, Algeria, Morocco, Pakistan, India, Bangladesh, Iran.  
are entitled to pay reduced Registration Fees as follows:

MESAEP members/non-members: EURO 200/250; Students: EURO 100/150.

Payment instructions are reported in the PAYMENT FORM:

<http://www.mesaep.org/fileadmin/MESAEP/PDF/2009/payment.pdf>

The payment form is to send to the Treasurer of MESAEP (adress see below).

Information about MESAEP-Membership: see homepage of MESAEP: [www.mesaep.org](http://www.mesaep.org)

The registration fee includes the final program, the book of abstracts, access to the hospitality desk, coffee and refreshments during the symposium, the welcome reception, social and cultural events (the Gala dinner and excursion costs are not included) and Certificate of participation (on request). Accompanying guests will be entitled to all the above receptions and activities.

The Gala dinner will cost 50 €and the excursion will cost 50 €for each participating person.

Please use the recommended on-line registration on the homepage of MESAEP:

<http://www.mesaep.org/>

## SPECIAL EVENTS

- Welcome reception
- General Assembly of MESAEP (members only)
- Gala Dinner
- Social and cultural events

### Excursion Program

Sunday, 11 October, h. 8.30-18.30: in the morning visit to the „white“ town of Ostuni; in the afternoon after lunch, visit to the famous „Trulli“ town of Alberobello (bus transfer, guide, lunch and tickets cost included)  
The cost of the excursion is EURO 50.00 (minimum 50 participants).

### Gala Dinner

The Gala Dinner will take place on the evening of 9 October (bus depart from Hotel Palace at h. 20.00) in the Masseria Cariello Nuovo (about 25 Km from Bari), and will include a rich local menu with drinks, a typical Folklore show with welcome drinks, and music throughout the dinner. The cost if EURO 50.00 per person.

### Accompanying Persons Programme

- Thursday, 8 October, h. 08.30-13.30: visit to the famous „Sassi“ of Matera (bus transfer, guide, and tickets cost included, lunch not included)
- Friday, 9 October, h. 08.30-13.30: visit to Castel del Monte (bus transfer, guide, and tickets cost included, lunch not included)
- Saturday, 10 October , h.08.30-13.30: visit to the famous caves of Castellana Grotte (bus transfer, guide, and tickets cost included, lunch not included)

The full costs of the above tours are included in the registration fee for accompanying persons.

## DEADLINE SCHEDULE

July 31, 2009	Payment of early registration fee and deadline for abstract submission
September 30, 2009	last-minute poster abstract submission
October 7-11, 2009	Symposium, on-site registration and submission of full papers for publication

## ACCOMODATION

Rooms at a favorable price have been optioned at the Palace Hotel (Symposium venue) and Victor and Boston Hotels in Bari center. The Hotel Accommodation Form can be found in the Symposium website. For the above Hotels Symposium participants are requested to read carefully the instructions provided in the Hotel Form and submit it filled out and signed as indicated to the Agency SELECTO as soon as possible.

Some rooms have been also optioned at cheap costs (Euro 35 single, Euro 60, double, including breakfast) only for students and young researchers from South Mediterranean and Balkan countries at the Campus Hotel, a University Residence located in the University Campus (mid-city, 20-30 min/ 2 km walking from the Symposium Venue). To reserve in this Hotel the interested participants should contact directly the Hotel (e-mail: [gestioni129852@campushotel.191.it](mailto:gestioni129852@campushotel.191.it)) and mention the special rate for SENESI-MESAEP.

The rooms will be assigned on a first-arrived/first-served basis until availability permits.

Many other Hotels are available in the Bari center and mid-center at reasonable costs, such as the Residence Hotel Rondò (website: [www.rondohotel.it](http://www.rondohotel.it), e-mail: [prenotazioni@rondohotel.it](mailto:prenotazioni@rondohotel.it), tel.: +39-080-5023444), thus the participants who prefer to stay in one of these hotels are invited to check in the website, for example, Google/Hotels in Bari, and contact and make their own arrangement directly with the hotel selected. We suggest to reserve rooms as soon as possible because there could be no easy availability in the hotels in that period.

## TRANSPORTATION

Bari and Bari hotels, including the Symposium venue, can be reached by car through highway, national and local roads, by train through its central railway station, by ship through its port, and by flying by its International/National airport.

- Those arriving with car are suggested to look on the website, for example google/Bari, to check the best route.
- Those arriving by train at the Railway Station can walk or use city buses, or taxi.
- Those arriving at the ship-port can walk or use appropriate city buses or a taxi.
- Those arriving at the airport are suggested to use the shuttle bus to the city center and a city bus to reach their hotels, or a taxi (the fare airport-city center should be around 25-30 EURO).

## EXHIBITORS

Space will be available on request and for exhibition of scientific materials and instruments and other matters of interest to the Symposium participants.

Interested companies should contact the President of MESAEP (see address and e-mail below) for availability and related costs.



## VISA

Visa is required for some countries. Please check with the Italian Consulates or the official representatives of the Italian Government in your country. No visa is required for citizens of the European Union and several South-Mediterranean countries.

All questions/requests for Visa, such as request of an Official Invitation letter should be submitted to Prof. Massimo Zucchetti, e-mail: [zucchetti@unito.it](mailto:zucchetti@unito.it), Vice-President of MESAEP, who kindly agreed to care of this matter.

## FELLOWSHIPS

Following an invitation to apply published in the first announcement of the Symposium, a limited number of fellowships have been assigned to young scientists from Balkan, Asian and African countries upon specific request, and on the basis of their CV and the scientific quality of the paper submitted.

Applications are now closed.

## INFORMATION AND CONTACTS

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### **Address for Registration and Abstracts**

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### **Address of the Treasurer of MESAEP**

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## LINKS

- Homepage of Mesaep: <http://www.mesaep.org>
- Fresenius Environmental Bulletin: <http://www.psp-parlar.de>
- SELECTO - Hotel Agency: <http://www.selectocongressi.com>
- Symposium Venue: [http://www.dominahotels.com/eng/hotel\\_Conference\\_bari\\_palace](http://www.dominahotels.com/eng/hotel_Conference_bari_palace)

