

SIMTREA



UNIVERSITÀ
DEGLI STUDI
DI MILANO

IMPORTANT DATES

30th May, 2011
Abstract submission deadline

15-30th June, 2011
Notification of acceptance

15th July, 2011
Deadline for early bird registration

1st September, 2011
Deadline for manuscript submission

MICROBIAL DIVERSITY 2011 ENVIRONMENTAL STRESS AND ADAPTATION



- **Dates**
 - Wednesday 26 October 2011
 - Thursday 27 October 2011
 - Friday 28 October 2011
- **Venue**
 - Conference Room C03, Faculty of Agriculture of the University of Milan, via Celoria 2, 20133 Milan, Italy

THE CONFERENCE SUBJECT

Conference Rationale and General Purpose

The rationale of the conference is to establish a permanent scientific discussion frame focusing on Microbial Diversity, a central issue in modern microbiology, and capable of attracting microbiologists and scientists from Europe and the World with a particular attention to the Mediterranean Basin. The conference will be repeated at three years intervals. The scheme of the conference is to delve into specific facets of microbial diversity in order to contribute to the improvement of the research and applications of this essential global resource that is at the basis of the development of modern bioeconomies. The Microbial Diversity conference aims to bring together agricultural, food and environmental microbiologists and other agri-food and environmental professionals studying or exploiting microbial diversity. It represents an occasion for presenting novel findings, discussing future trends, directions and global challenges in the field of microbial diversity and its role in maintaining functional all ecosystems.

Conference Objectives

The first initiative of the **Microbial Diversity** conference will deal with the concept of stress and the response of microbial diversity for adaptation, the role of diversity in counteracting environmental stresses, the modes of adaptation adopted by microbial communities in agricultural settings, in food matrices and products and in pristine and polluted environments. It is expected to receive lectures and presentations that will dissect the state of the art of the relationship between microbial diversity, stress exposure and adaptation in any kind of environments and will highlight the potential application of microbial diversity concepts for facing the stress challenges.



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CONTACTS

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- <http://www.biotagr.unipd.it/md2011/>
- Daniele Daffonchio
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University of Bari
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Conference topics

The Conference will be divided among six topics that span from novel basic insights in microbial ecology theories, to different stresses that are frequently occurring in agriculture, food and the environment, like the water and the halo-osmotic stresses, the acid and alkaline stresses, but also the stress due to preservatives and pollutants. A topic is dedicated on the diversity of true extremophiles and how they cope with stress and adaptation to non-conventional environmental conditions. Finally, the topic of application of microbial diversity for counteracting real practical problems, complete the conference.

The conference will include six main sessions:

- Session I.** Water and salinity stresses
- Session II.** The adaptation to acid and alkaline stresses
- Session III.** The chemical stress: how microbes cope with oxidative stress, preservatives and pollutants
- Session IV.** Symbiosis, associations, biocoenosis and cell to cell communication
- Session V.** Adaptation to thermal stress and other non conventional conditions
- Session VI.** Exploitation of microbial diversity under multiple stress environments



These topics have been chosen for having contributes to all the field of microbiology i.e. from agriculture, food and environmental microbiology. The aim of the conference is to favor the exchanges of knowledge and perspectives among scientists specialized in different areas of microbiology, from the soil/plant ecosystems to the different fermented foods, from the alternative microorganisms in food to the biodegraders in the polluted environments passing through the biology of the true extremophiles.

Special session

As a special session, MD-2011 foresees two time slots for the presentation of European or National projects dealing with MD-2011 topics. The Organizing Committee welcomes the submission of project abstracts.

Sponsoring

A wide range of sponsorship initiatives will be offered that are designed to strengthen your company's image. For several possibilities and further details please contact the congress secretariat.



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SCIENTIFIC COMMITTEE

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Erasmus Neviani (Parma)

Claudia Sorlini (Milan)

SCIENTIFIC PROGRAMME

Wednesday 26 October 2011 - Keynote Lecture & Session I - 14:00 – 18:30

11:30 – 14:00 Registration

14:00 – 14:15 Welcome introduction: **MARISA PORRINI**, Dean of the Faculty of Agriculture, University of Milan;

MARCO GOBBETTI, President of SIMTREA

14:15 – 15:00 Keynote Lecture: "Nitrification in acid soils: solving the paradox" - **JAMES PROSSER**, University of Aberdeen (UK)

15:00 – 15:30 Coffee break

15:30 – 17:20 **Session I: Water and salinity stresses**

15:30 – 16:00 Plenary Lecture: "Microbial diversity and functioning along salinity gradients" - **EMILIO ORTEGA**

CASAMAYOR, CEAB (Spain)

16:00 – 17:20 Selected Lectures

17:30 – 18:30 Poster & Special Sessions I (parallel)

- Poster Session I: Presentation of Posters of Sessions I-III

- Special Session I: To be defined

Thursday 27 October 2011 - Sessions II & III - 08:45 – 12:55

08:45 – 10:35 **Session II: The adaptation to acid and alkaline stresses**

08:45 – 09:15 Plenary Lecture: "Molecular mechanisms of adaptation to pH stress in microorganisms" - **GERARD**

MUYZER, Delft University of Technology (The Netherlands)

09:15 – 10:35 Selected Lectures

10:35 – 11:05 Coffee break

11:05 – 12:55 **Session III: The chemical stress: how microbes cope with oxidative stress, preservatives and pollutants**

11:05 – 11:35 Plenary Lecture: "Genomic insight in PAH degradation in marine ecosystems: Cycloclasticus spirillum as a case study" - **MICHAIL YAKIMOV**, CNR of Messina (Italy)

11:35 – 12:55 Selected Lectures

12:55 – 14:00 Lunch

Thursday 27 October 2011 - Sessions IV & V - 14:00 – 18:30

14:00 – 15:50 **Session IV: Symbiosis, associations, biocoenosis and cell to cell communication**

14:00 – 14:30 Plenary Lecture: "Streptococcus macedonicus produces the lantibiotic Macedocin when grown in milk

- From biosynthesis to applications" - **EFFIE TSAKALIDOU**, Agricultural University of Athens (Greece)

14:30 – 15:50 Selected Lectures

15:50 – 16:20 Coffee break

16:20 – 17:30 **Session V: Adaptation to thermal stress and other non-conventional conditions**

16:20 – 16:50 Plenary Lecture: "Biomolecules from extremophiles as advanced tools for innovative nano/biosensors for food safety and security" - **SABATO D'AURIA**, IBP-CNR (Italy)

16:50 – 17:30 Selected Lectures

17:30 – 18:30 Poster & Special Sessions II (parallel)

- Poster Session II: Presentation of Posters of Sessions IV-VI

- Special Session II: Results of selected E.U. and national projects

Friday 28 October 2011 - Session V & VI - 08:45 – 13:15

08:45 – 09:25 Session V: Adaptation to thermal stress and other non-conventional conditions

08:45 – 09:25 Selected Lectures

09:25 – 10:05 Presentation of the three award-winning posters

10:05 – 10:35 Selected Posters

10:35 – 11:05 Coffee break

11:05 – 12:55 **Session VI: Exploitation of microbial diversity under multiple stresses environments**

11:05 – 11:35 Plenary Lecture: "Stress protection in probiotics and how it can be manipulated" - **PAUL ROSS**,

Moorepark Food Research Centre (Ireland)

11:35 – 12:05 Plenary Lecture: "Peptide conversations in Gram positive bacteria" - **VERONIQUE MONNET**, INRA

(France)

12:05 – 12:55 Selected Lectures

12:55 – 13:15 Farewell considerations **MARCO GOBBETTI**, President of SIMTREA.

13:15: End of the Conference and Departure



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CONFERENCE SECRETARIAT

Daniele Daffonchio, Sara Borin, Francesca Cappitelli, Aurora Rizzi, Elena Crotti, Bessem Chouaia, Eleonora Rolli, Federica Villa, Annalisa Balloi, Andrea Polo, Anna Corsini, Francesca Mapelli, Ramona Marasco, Giuseppe Merlino, Lucia Giacomucci, Caterina Camerota, Marco Fusi, Luigi Sansonno, Sonia Ciccazzo

ABSTRACTS, PAPERS & PROCEEDINGS

Conference language

The official language of the conference is English.

Submission of abstracts

For each session topic, invited lectures will be complemented by oral presentations and poster sessions. We welcome contributions of presentations and posters from interested parties. Special attention will be given to contributions from young researchers. Abstracts of 500 words maximum, in English, should be submitted on the specific section of the website by 30.05.2011 for selection by the scientific committee. Authors will be notified if the abstract is accepted between June 15th and June 30th.

Conference proceedings

A Book of Abstracts will be edited and distributed to all the conference participants. Invited and selected speakers will be asked to submit a full length paper to be published on the Proceeding Book that will also host the extended abstracts of the posters. Manuscripts will be of three pages with a figure or a table for selected presentations or five pages with two figures or tables for invited lectures. Deadline for manuscript submission is 01.09.2011.



CONFERENCE REGISTRATION & FEES

Conference fees

Registration will be limited to a **maximum of 200 participants**. Early registration is favored by an early registration rate at reduced price.

The Conference fee will be 290 € for seniors (230 € for early bird registration, before 15.07.2011) and 140 € for PhD students (100 € for early bird registration, before 15.07.2011); this includes coffee breaks, two lunches, conference proceedings and registration materials. The fee does not cover the social dinner on 27th October, for which is foreseen an additional charge of 60€..

Payment of congress subscription should be made by bank transfer in favor of:

- SIMTREA (Società Italiana di Microbiologia Agro-Alimentare e Ambientale)
- IBAN : IT74R0306903003100000001068
- Bank: INTESA SAN PAOLO – Agenzia: SAN SISTO (PG)

Please, specify on the order the "reason for payment" as "participation to MD-2011"

- Università degli Studi di Bari – Dipartimento di Protezione delle Piante e Microbiologia Applicata, Via G. Amendola 165/a, I-70125 Bari, Italy.
- Codice Fiscale/Partita IVA: 97144660152
- Tel. +39.080.5442949 – Fax +39.080.5442911
- e-mail: gobbetti@agr.uniba.it
- web: <http://www.simtrea.org>



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VENUE & ACCOMODATION

Venue

The conference city, Milan, is one of the most international cities in Italy, being recognised as a world cultural, scientific and commercial capital.

The University of Milan, which will host the conference, was founded in 1456 and nowadays is a public multi-disciplinary teaching and research institution. The conference will take place at the Conference Room C03 of the University of Milan, via Celoria 2, Faculty of Agriculture.

Travelling information

Milan is easily reached by plane, train and car.

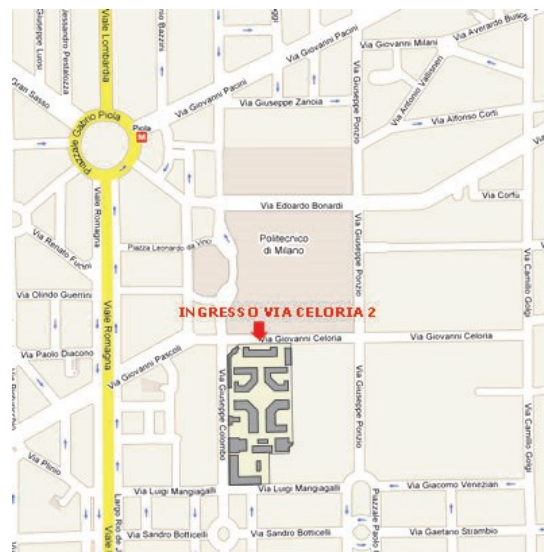
By train

From railway station Milano Centrale, Milano Porta Genova, Milano Cadorna and Milano Garibaldi: take the underground line 2 (green line) towards Cascina Gobba, Cologno Nord or Gessate, stop Piola.

From railway station Milano Lambrate: take the underground line 2 (green line) towards Abbiategrasso, stop Piola.

By airplane

From Milano Malpensa airport: take the train MalpensaExpress to Milano Cadorna railway station or take the bus to Milano Centrale railway station. After take the underground line 2 (green line) towards Cascina Gobba, Cologno Nord or Gessate, stop Piola.



From Milano Linate airport: take the bus line 73 towards San Babila M1, stop Corsica-Campania (8 stops); change to bus line 93 towards Loreto, stop at Ponzio-Celoria (6 stops).

From Orio al Serio (Bergamo) airport: take the bus to Milano Centrale railway station and after take the underground line 2 (green line) towards Cascina Gobba, Cologno Nord or Gessate, stop Piola.

By car

From A51 "tangenziale est" exit at Lambrate or Rubattino.

For your convenience, please find below a list of hotels and information for booking independently a room:

Hotel Trentina**

Via Filippino Lippi 50, 20139 Milano

Tel: +39.02.2361208-02.2361326; www.htrentina.it

Hotel Sara**

Via Sacchini 17, 20131 Milano

Tel: +39.02.201773; www.hotelsara.it

Hotel Gamma***

Via Carlo Valvassori Peroni 85, 20133 Milano

Tel: +39.02.26413152; www.hotelgammamilano.it

Hotel Adler***

Via Giovanni Ricordi 10, 20131 Milano

Tel: +39.02.29529893; www.hoteladlermilano.it

Hotel Zefiro***

Via Giacinto Gallina 12, 20129 Milano

Tel: +39.02.70005654; www.hotelzefiro.com

Hotel Ideale***

Via dei Mille 60, 20129 Milano

Tel: +39.02.70106566; www.hotelidealemilano.it

Hotel Città Studi***

Via Cesare Saldini 24, 20133 Milano

Tel: +39.02.744666; www.hotelcittastudi.it

Hotel Demidoff***

Via Plinio 2, 20129 Milano

Tel: +39.02.29513889; www.hoteldemidoffmilan.com

Hotel Susa***

Viale Argonne 26, 20133 Milano

Tel: +39.02.70102897; www.hotelsusamilano.eu

Hotel Dieci****

Largo Rio de Janeiro 12, 20133 Milano

Tel: +39.02.70608180; www.hoteldieci.it

Hotel Augustus***

Via Napo Torriani 29, 20124 Milano

Tel: +39.02.66988271; www.augustushotel.it



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Ph.D. Course:
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