

International Symposium

Please send your completed registration form by post, fax or e-mail to:

ISCI (Experimental Institute for Industrial Crops), Italian Ministry of Agricultural and Forestry Politics, via di Corticella 133
40128 Bologna (Italy)
Fax +39 051 374857
E-mail: direzione@isci.it

Name

Company.....

Street /no.....

Postcode/city.....

Telephone/fax.....

E-mail.....

Registration Fees

- Participant € 150
- Young scientist (under 35) € 100

The registration fee includes:

- access to the symposium
- congress kit
- coffee breaks and 2 lunches

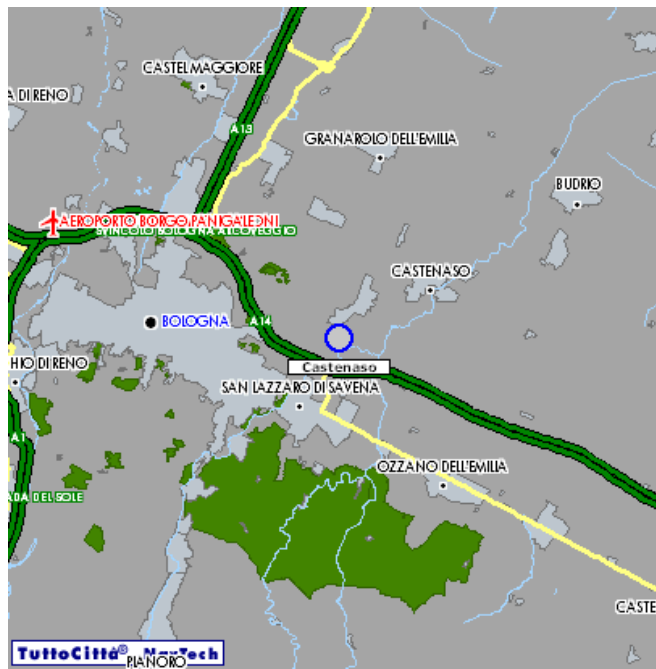
Payment

By bank transfer: bank account n. 41 (BBAN U 06385 02409 06701000003L) Cassa di Risparmio di Bologna, Istituto Sperimentale per le Colture Industriali, via di Corticella 133, 40128 Bologna

Congress Dinner

March 5 € 40

A dinner in a typical restaurant of Bologna to taste the best of Italy's culinary arts



HOTEL ACCOMMODATION

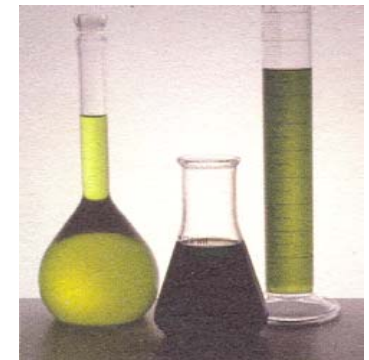
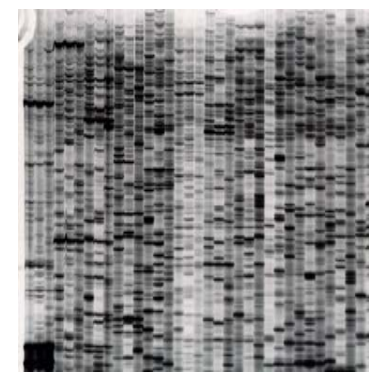
Hotels have been selected for their quality price and location

	Single	Double
JOLLY Hotel **** s Via Villanova 29 Villanova di Castenaso (BO) Tel. + 39 051 604311; Fax +39 051 781444	€ 129,00	€ 159,00
NOVOTEL **** Via Villanova 31 Villanova di Castenaso (BO) Tel. + 39 051 60091; Fax +39 051 781752	€ 115,00	€ 130,00
ASTORIA *** Via F.lli Rosselli 14 (BO) Tel. + 39 051 521410; Fax +39 051 524739	€ 123,00	€ 181,00
Hotel FIERA *** Via Stalingrado 82 (BO) Tel. + 39 051 377735; Fax +39 051 352947	€ 131,00	€ 173,00
Hotel HOLIDAY *** Via Bertiera 13 (BO) Tel. + 39 051 235326; Fax +39 051 235326	€ 114,00	€ 160,00
Hotel SAN GIORGIO ** Via delle Moline, 17 (BO) Tel. +39 051 248659; Fax +39 051 250556	€ 70,00	€ 105,00



Italian Ministry of Agricultural and Forestry Politics
Experimental Institute for Industrial Crops

INTERNATIONAL SYMPOSIUM "HEMP: PERSPECTIVES FOR ADVANCED UTILIZATION"



Bologna, March 5-6, 2004
Novotel, Villanova di Castenaso (Bologna), Italy

PROGRAM

FRIDAY, MARCH 5, 2004

- 09,00 **Hemp: a non-food multipurpose crop for Southern Europe**
P. Ranalli, ISCI, Italy
- 09,30 **Recent and future markets for natural fibres reinforced composites. Nova market studies from 1996 until 2003**
M.Karus, nova-Institute, Germany
- 10,00 **The hemp crop between tradition and innovation**
G. Venturi, University of Bologna, Italy
- 10,30 - 11,00 **COFFEE BREAK**
- AGRONOMY**
- 11,00 **Life cycle analysis of field production of hemp, the effect of production practices on environmental impacts**
H. van der Werf, INRA, France
- 11,30 **Productive potential of hemp in Southern Europe**
M. Mastrorilli, ISA, Italy
- 12,00 **Phytoremediation from heavy metal polluted soils by hemp cultivation**
P. Perata, University of Modena e Reggio Emilia, Italy
- 12,30 - 13,00 **DISCUSSION**
- 13,00 - 14,30 **LUNCH**
- FIBRE AND SEED**
- 14,30 **Biotechnological improvement of hemp fibre quality**
M. Toonen, PRI, The Netherlands

- 15,00 **Advances in microbiological retting for high quality fiber**
G. Mastromei, University of Florence, Italy
M. Di Candilo, ISCI, Italy
- 15,30 **Ultrastructure and quality of hemp fiber for textile applications**
B. Focher, P. Bonatti, University of Modena e Reggio Emilia, Italy
- 15,30 – 16,00 **COFFEE BREAK**
- 16,00 **Hemp seed as a unique nutritional resource**
J. Callaway, University of Kuopio, Finland
- 16,30 **New method of hemp harvesting technology breeding for seeds**
R. Kaniewski, Institute of Natural Fibres, Poland
- 17,00 - 17,30 **DISCUSSION**

SATURDAY, MARCH 6, 2004

- CANNABINOIDS AND ENDOCANNABINOIDS**
- 09,00 **Cannabinoids for the pharmaceutical industry**
G. Guy, President, GW Pharmaceuticals, U.K.
- 09,30 **From *Cannabis* to endocannabinoids: new therapeutical perspectives**
V. Di Marzo, ICMIB-CNR, Italy
- 10,00 **Recent advances in the pharmacology of cannabinoids**
R. Pertwee, University of Aberdeen, UK
- 10,30 – 11,00 **COFFEE BREAK**
- 11,00 **The genetic control of cannabinoid synthesis**
A. Carboni, ISCI, Italy

- 11,30 – 12,00 **DISCUSSION**
- GERMPLASM AND MARKER ASSISTED BREEDING**
- 12,00 **The establishment of an hemp germplasm database in the frame of ECP/GR activities**
A. Carboni, ISCI, Italy
- 12,30 **Hemp research and genetic resources at the Vavilov Institute**
S. W. Grigoriev, VIR Research Institute of Plant Industry, Russia
- 13,00 - 14,30 **LUNCH**
- 14,30 **The breeding of Cannabis for pharmaceutical end uses**
E. De Meijer, GW Pharmaceuticals, U.K.
- 15,00 **Potential of marker-assisted selection in hemp genetic improvement**
G. Mandolino, ISCI, Italy
- 15,30 **Methods and directions of genetical breeding hemp researches in Poland**
M. Kowalski. *et al.*, Institute of Natural Fibres, Poland
- 16,00 **Scenarios on the future of hemp breeding**
P. Ranalli, ISCI, Italy
- 16,30 **DISCUSSION AND CONCLUDING REMARKS**