

Consiglio Nazionale
delle Ricerche
Istituto per la BioEconomia

School of Biochar 2022

Innovative applications for Biochar

13-14 October 2022

In person and remote participation

The Italian Biochar Association ICHAR is pleased to announce the 6th edition of our Biochar School. Biochar is increasingly becoming the leading player on the international scene. As many of you now know, the applications of biochar are no longer just related to the agronomic field but range from composites (polymers, cements, asphalts) to water purification, batteries, and the creation of carbon credits.

Never before will our school be looking far, far ahead to new and unexpected horizons.

PROGRAMME

Thursday October 13

09.00 - 09.45 am – Registration & welcome coffee

Session I – Chairman: Mauro Giorcelli, ICHAR Board Member / Polytechnic University of Turin

09.45 - 10.00 am - Institutional welcome

10.00 – 10.30 am – Opening of the School of Biochar 2022 (Alessandro Pozzi, ICHAR President; Lucia Brusegan, ICHAR & IBI Board Member)

10.30 - 11.00 am – Biochar as key material

(Kathleen Draper, IBI Board Chair)

11.00 - 11.45 am – Biochar – A EU perspective (Harald Bier, European Biochar Industry Consortium (EBI) Head of Office)

11.45 - 12.15 am – Biochar – An Australia and New Zealand perspective

(Don Coyne, Australia New Zealand Biochar Industry Group (ANZBIG) Chief Executive Officer)

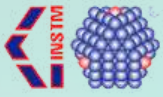
12.15 – 13.00 pm – Biochar and Carbon credits: opportunities and challenges

(David Chiaramonti, Polytechnic University of Turin, Italy)

13.00 -14.30 – Lunch break



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Session II – Chairman: Alessandro Pozzi, ICHAR President

2.30 - 3.10 pm – Biochar for future applications

(Mauro Giorcelli, Polytechnic University of Turin, Italy)

3.10 - 3.30 pm – Fundamentals of pyrolysis: tuning biochar characteristics

(Paola Giudicianni, Institute of Sciences and Technologies for Sustainable Energy and Mobility (STEMS) of the National Research Council (CNR))

3.30 - 3.50 pm – Contaminated biochar: black waste or new materials?

(Corinna M. Grottola, Institute of Sciences and Technologies for Sustainable Energy and Mobility (STEMS) of the National Research Council (CNR))

3.50 – 4.30 pm – Fire behavior of biochar and biochar-based composites

(Oisik Das, Luleå University of Technology, Sweden)

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4.30 - 5.00 pm – Coffee break

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Session III – Chairman: Paola Giudicianni, Institute for Research on Combustion (IRC) of the Italian National Research Council

5.00 - 5.40 pm – Biochar functionalization

(Mattia Bartoli, Italian Institute of Technology)

5.40 – 6.20 pm – Biochar for energy storage

(Francesco Nobili, University of Camerino, Italy)

6.20 - 7.00 pm– Biochar adsorbents: investigation of adsorption mechanism

(Franco Berruti, Institute for Chemicals and Fuels from Alternative Resources of Western University, Canada)

21.00 – Social dinner

Friday October 14

Coffee & networking – 09.00 - 9.45.

Session IV – Chairman: Oisik Das, Luleå University of Technology

10.00 - 10.40 am – 10th anniversary of publication on biochar concrete - what we have achieved and what lies ahead

(Kua Harn Wei, National University of Singapore)

10.40 - 11.20 am– Potential of biochar in water filtration systems

(Tanveer Ahmed Gadhi, US. Pakistan Center for Advanced Studies in Water / Mehran University of Engineering & Technology)



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11.20 - 11.50 am – How technical biocarbon will change the business of engineered composites

(Bart Tambuyser, Carboganic, Belgium)

11.50 - 12.30 pm – Sequential use of biochar – win-win solutions (Ondrej Masek, University of Edinburgh)

12.30 – 12.45 pm – Closing of the school (Mauro Giorcelli, ICHAR Board member)

Information and registration:

click  **Payment ichar.org**

Location: to be confirmed (in Florence downtown, walking distance from Santa Maria Novella train Station)

Registration fee:

In person participation:

ICHAR & IBI members: 300.00 € (including ICHAR 2023 membership)

Others: 400.00 €

Students: 100.00 €

Remote participation:

ICHAR & IBI members: 150.00 €

Others: 200.00 €

Research groups (including 5 remote accesses and 1 ICHAR 2023 membership): 500.00 €

Sponsorship

Sponsor fee: 1,000.00 €

The Sponsorship fee includes:

1) ICHAR 2023 company membership

2) 2 in person enrollments or 3 remote participations

3) Opportunity to exhibit information material during the School

click  **[Registration](https://ichar.org)**