Highlights from this Month’s News

In this month’s edition, look for news, ideas, and trends like these:
❖ Welcome New Corporate Members
❖ A Very Fond Farewell to IBI Newsletter Editor Bob Gillett
❖ Calendar
❖ New Research

Welcome, New Corporate Members:

BELLA BIOCHAR CORPORATION
www.bellabiochar.com/
Hamilton, ON, Canada

Bella Biochar is a Canadian manufacturer of high quality, organically certified biochar.

MONTEREY PACIFIC, INC.
http://montereypacific.com
Soledad, CA

Monterey Pacific, Inc. (MPI) was founded in January of 1992 by owners/operators Steve and Kim McIntyre. MPI provides professional applied agricultural expertise for vineyards located in the Central Coast Region of California.

SUSTAINSCAPE, INC.
https://www.sustainscapeflorida.com/
Boynton Beach, FL
Sustainable Landscape Company
Native and Edible Nursery
Organic Fertilizer
… and Renewing Corporate and Organization Members.

10,000 Years Institute
https://www.10000yearsinstitute.org/
Forks, WA, US
Non-profit organization conducting applied research, ecological services, and community education in forested watersheds.

Circle Carbon S.L.
https://circlecarbon.com/
Bunyola, Spain
Bella Biochar is a Canadian manufacturer of high quality, organically certified biochar.

EcoTopic AB
https://ecotopic.se/
Kolmården, Sweden
Ecotopic AB is a consulting firm specializing in the development of the bio carbon market as a step toward more sustainable agricultural practices.

Lerchenmüller Consulting
Freiberg, Germany

Wakefield Biochar
https://www.wakefieldbiochar.com
Columbia, MO
Wakefield Biochar is a premium quality soil conditioner that gives your plantings the best opportunity for success because it helps create a healthier soil. With just one application of our premium biochar, you will increase the organic matter in your soil and help nutrients and water reliably get to the plant roots with great results for years. And, as an added bonus, biochar contributes to the reduction of greenhouse gases in our atmosphere by returning carbon to the soil.

Biochar is not a new product. It is actually a solution for great soil health that has been forgotten over the years. With a gentle nudge, we are happy to help remind the world of its benefits.

Current Members

ECOTOPIC AB
ENVIRAPAC MONTICELLO
FOREST CREEK RESTORATION
GLANRIS, INC.
ICCHAR ITALIAN BIOCHAR ASSOCIATION
INTERNATIONAL BIOREFINERIES, INC.
LERCHENMÜLLER CONSULTING
METZLER FOREST PRODUCTS LLC
MONTEREY PACIFIC, INC.
NEBRASKA PUBLIC POWER DISTRICT
NORSK BIOKULLNETTVERK
NORTH SUBURBAN TREE SERVICE, INC.
NOVOCARBO
PURE LIFE CARBON INC.
PYROCAL PTY LTD.
RAINBOW BEE EATER PTY LTD
REG RHEINISCHE EIGENGRUND GMBH
SCANDI ENERGY AS
SCANSHIP AS
SENeca FARMS BIOCHAR LLC
SEQUEST
SINEKEN INC.
SOILTEST FARM CONSULTANTS
SUMITOMO SHI FW
SUSTAINSCAPE, INC.
SYNCRAFT
TANMIAH FOOD CO.
TILAPIA GROUP AS
TWO DOT WIND
A Very Fond Farewell to Robert Gillette
For the past four years IBI and our increasing number of newsletter subscribers (>15K at last count!) have reaped the benefits bestowed on the biochar community by our volunteer editor Bob Gillett. Bob devoted hundreds of hours to scouring biochar related peer review papers as well as so-called gray literature – no small task as the number of articles, particularly on the research side, has sky-rocketed over his tenure. Not content to merely list articles, Bob would provide highlights of many of the most interesting articles in his concise and often humorous way. His editorial talents combined with a boundless quest for new information and insights will be sorely missed as Bob moves on to pursue additional passions and personal matters. I hope you will all join me and the IBI Board in thanking Bob for his enormous contribution to the biochar industry and wish him well in his future endeavors.

Where to from here?
As we seek to fill Bob’s shoes, we regret to say that our newsletter will contain far less curated information that you are accustomed to reading. Finding someone as capable and committed as Bob may take us some time and we hope you will be patient as we ramp back up to the level of excellence he established.

We realize this is a significant responsibility for a single volunteer. Given that, the IBI Board would like to establish a diversified Editorial Board representing different geographies as well as biochar stakeholder perspectives. We would also like to identify someone willing and able to manage this Editorial Board and take responsibility for publishing the newsletter and collaborating with those responsible for translating the newsletter into Arabic, French & Spanish. If you feel this is something you’d be qualified to take on, please send a letter of interest and resume to: info@biochar-international.org.
More and more cities are adopting the use of biochar in urban forestry practices since the Stockholm Biochar Project first pioneered the practice many several years ago. The benefits have long since gone beyond extending the life of urban trees to improving stormwater management. This webinar will present new perspectives on the benefits of biochar use in urban environments.

Henry Kuppen, an arboricultural consultant, and Managing Director of Terra Nostra, has been conducting research related to tree growth with biochar for the past three years. He will discuss various case studies outlining the use of biochar in planting new trees, transplanting of a nearly 100 year old trees and improving the growing environment of mature trees in Dutch metropolitan areas.

Minneapolis, MN has become a leader in urban uses of biochar thanks to the efforts of Jim Doten. Under Jim’s guidance biochar has been used to restore trees stressed from road salt, and to filter E.coli and PFAS contaminants. He has worked in collaboration with researchers at the Natural Resource Research Institute to understand biochar variability for different end uses. Jim will discuss the experiences to date as well as Minneapolis’ future plans for local biochar production.

Free to IBI Members or $40 for non-members

To Register:

Registration includes access to the slides and a recording of the webinar.

**IBI Members:** Members may register by [logging into your membership accounts](#) then proceed to the [Members’ Only website](#) (scroll down to the ‘IBI Webinar Presentations and Questions’ section).

**Non-IBI Members:** Non-IBI members may register [here](#) for a $40 fee.
Presenters

**Henry Kuppen**

Henry Kuppen is managing director of Terra Nostra, consultancy and knowledge centre for trees and soil in The Netherlands and has more than 30 years of experience in the tree-care sector. Henry is an innovator and develops solutions for (practical) management and policy related issues for trees in the urban environment.

**Jim Doten**

Jim is a licensed Professional Geologist with 35 years of experience in the environmental field. In addition to his undergraduate degree in Geology, Jim has a Master of Business Administration and a Master of Science in Environmental Policy and Management. He has over 20 years of consulting experience and has been at the City of Minneapolis Health Department for the past 11 years. Jim spent a year in southern Afghanistan with the Army National Guard as a Hydrologist on an Agri-Business Development Team. It was during this time that he first looked at biochar to improve soil health in the region. Jim has continued his biochar was with the City of Minneapolis.

**Moderator: James MacPhail**

James is a Fellow and the Biochar Lead with The Climate Map. He is also the Managing Director of Sequest Ltd and serves as a Commercial Advisor to Carbon Gold.

Using his qualifications from the Royal Agricultural University, Cirencester - James has developed a wealth of technical knowledge over the last decade about the use of carbon-rich soil amendments based on biochar. Taking waste stream biomass to create products, which offset carbon in an environmentally benign way, directly benefiting adherence to modern environmental, social and governance principles.

**For more information:**

For more information or if you have any questions about registration please email Caroline Peat at [cpeat@ttcorp.com](mailto:cpeat@ttcorp.com).

Want to become an IBI member? Visit our [membership page](https://www.ibi.org/membership) to help support IBI.
Calendar

**Biochar Production in the Forest Virtual Demonstration**
March 10, 2021, 2 pm PST (US)
Register:
[https://www.rffi.org/biochar/](https://www.rffi.org/biochar/)

**Sustainable, Safe, Effective Production & Use of Biochar**
April 10 & 11, 2021 Tamworth, N.S.W. Australia - Interactive Workshop - How to Commercialise a biochar business
[https://anzbig.org/events](https://anzbig.org/events)

**Biomass Conference & Expo**
March 15 - 17, 2021
Includes multiple panels discussing the increasingly popular topic of biochar.

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New Research

Here are some papers written by IBI members selected from around 250 articles included in the latest monthly lists available on your IBI Members Only Home page. These are compiled by Abhilasha Tripathi to bring you the technical side of the biochar news. If you really want to know what is in the works, exploring this list every month will paint a much fuller picture than you get by just reading this newsletter. You can receive the full research paper list by e-mail every month by joining IBI.

❖ Prospective contributions of biomass pyrolysis to China’s 2050 carbon reduction and renewable energy goals:

From the Abstract: Here we find that a biomass intermediate pyrolysis poly-generation system can be profitable without subsidies, while its national deployment could contribute to a 61% reduction of carbon emissions per unit of gross domestic product in 2030 compared to 2005 and result additionally in a reduction in air pollutant emissions.

❖ Net-Zero Carbon:


From the Abstract: “A wide range of techniques make up CDR, such as afforestation, soil carbon sequestration, enhanced weathering, biochar, bioenergy with carbon capture and storage, and direct air carbon capture and storage.”

❖ Fungal pretreatment:


From the Abstract: “After selective fungal pretreatment, the bio-oil yield increased by 51.09%, and the yields of some high value-added products, such as isosorbide, greatly increased. Moreover, the biochar produced by pyrolysis from the selective fungus-treated wheat straw had characteristics for the adsorption of dyes and pollutants.”

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Work with IBI!

IBI offers the following options for collaboration with scientific projects. Select the package best for your organization and complete the accompanying payment form.

☐ Silver Package 1

a) IBI is posting a project description on its website with contact details, links, photos; the website can be updated once per year.
b) IBI is sending out a project update in the monthly newsletter twice per year of the project
c) Publications published by the project are guaranteed to be listed in the monthly IBI publications update.
d) In-depth discussion of one publication per year by a member of the IBI Scientific Committee, sent out in the monthly IBI publication update and posted on the project site of IBI.

Costs: $1,000 per project year, payable at the beginning of the project year

☐ Gold Package 2

a) Includes all services of Package 1.
b) Webinar on project plans, progress or outcomes with a topic appropriate for IBI audience (one-hour webinar with about 50-100 participants worldwide), moderated by IBI, advertised globally, with Q&A session). Webinar is archived on the IBI website and can be seen by IBI members (add $1,000 for open access).

Costs: $4,000 per project year, payable at the beginning of the project year

☐ Platinum Package 3

a) Includes all services of Packages 1 and 2.
b) IBI excursion to your project at a time when it is attractive to a diverse audience ranging from scientists to industry representatives and policy makers, typically 40 attendees, who will pay for their own travel and a registration fee (see https://biochar-international.org/event/ibi-biochar-study-tour-finland/ for an example of previous excursions).

Costs: $15,000 per project year, payable at the beginning of the project year

Packages can vary for each project year (i.e., a project may opt for Package 1 in year 1 and 2 of their project and for Package 2 in year 3). Please inquire for additional options and combination of services not mentioned above.

IBI will provide a letter of commitment that can be included in your proposal to a donor. If the proposal is approved and funded, IBI can work with purchase orders or contracts, as is easiest for the project.
International Biochar Initiative

IBI COLLABORATION WITH SCIENTIFIC PROJECTS

PLEASE PROVIDE YOUR NAME AND CURRENT BILLING ADDRESS:

Collaboration Options (Prices in U.S. Dollars)

☐ Platinum: $15,000
☐ Gold: $4,000
☐ Optional open webinar access (+$1,000)
☐ Silver: $1,000

Total amount enclosed: $________

☐ check in U.S. dollars ☐ cash in U.S. dollars ☐ MC/Visa number:_______________________________

Exp. Date: ________ 3-Digit Security Code: ________  Name on Card: ______________________________

Email receipt to: __________________________________ / Phone #: __________________________________

Please enclose check or cash or provide credit card information, and send to the IBI Office:
by email (bschorr@ttcorp.com), fax (1-202-223-5537), or U.S. mail
(1211 Connecticut Avenue, NW, Suite 650, Washington, DC 20036, USA).

Thank you for your support!