2nd China-Asian Workshop on Biochar Production and Application for Green Agriculture
---from Technology to Viable Systems
Hanyuan Hotel, Nanjing, China. November 18-21, 2017

(3rd Circular)

1. Introduction

Biochar from biowastes has been increasingly advocated as a "Black for Green" solution both of waste treatment and sustainable soil management. Researches have shown multiple benefits from pyrolyzing biowastes into biochar, and biochar production and application in agriculture (That is "Agri-Char) has been tested globally. There is an emerging trend to develop a new sector of bio-economy by shifting biowaste treatment and biochar use for green production of agro-products worldwide. Particularly in China, pyrolysing crop residue into biochar and use for improving soil, reducing agrochemicals and enhancing bioenergy in agriculture has been adopted in April 2017into national implementation as a key pathway to solve the crop residue recycling. A new industry of crop residue pyrolysis and biochar-based soil conditioner and fertilizers is being developed across China since 2016. Therefore, biochar production and use in agriculture has the great potential to evolve into a new green revolution for modern agriculture in the mid-21 century.

Following a successful meeting of the 1st China- Asian Biochar Workshop in October 2016, the 2nd China- Asian Biochar Workshop is scheduled to take place during November 18-21, 2017. The theme of the workshop will be Biochar Production and Application for Green Agriculture--from Technology to Viable Systems. The workshop is aimed to enhance a joint exchange and sharing of the biochar developments between China and Asian countries and beyond, and an access to novel biochar technologies and viable systems for safe recycling of biowastes for green development. The workshop will be organized in alignment with an IBI board meeting, a training and exhibition of biochar production from straw, green waste, municipal sewage sludge and

livestock manure and biochar products of novel biochar-based soil conditioner/ameliorator, bio-medium for flower/vegetable nursery as well as novel organic/inorganic biochar compound fertilizers. A number of internationally well-known biochar experts will be invited to give keynote speeches for emerging trends in biochar science, technology and applications. Together with these, a joint exchange and discussion will be arranged between the scientists, engineers and business people both from China and Asian countries and beyond.

2. Key events

(1) IBI Board meeting, Nov. 18, 2017. IBI board Interim meeting

(2) Plenary session: Biochar Science and Technology Today.
Nov 19, 2017. Speakers: Lehmann J, Miles T, Joseph J, Graber E, etc

(3) Field Tour: Biochar Technologies in China. Nov 20, 2017

(4) Biochar development dialog: between scientists, engineers and business. Nov 21, 2017

3. Organization

Co-Chairs: Dr Genxing Pan, Dr Lianiqng Li

International advisors:

Lehmann J, Cornell University, USA

Miles T, IBI chairman, Tom Miles Consultancy, USA

Joseph S, New South Wales University, Australia

Draper K, Ithaka Carbon Intelligence Institute, USA

Graber E, Volcano Institute, Agricultural Science Academy, Israel

van Zweitten L, Primary Industry Department, New South Wales, Australia

Wei Wei, Nanjing Agricultural University, China

4. Sponsors

Nanjing Agricultural University, China

China Asian cooperation project

State Agency of Foreign Expert Affairs

Asian Hub of Michigan State University/Nanjing Agricultural University

Co/sponsors:

Center of Biomass and Biochar Green Technology, NJAU, China.

Nanjing Sanju Biochar & Novel Bio-material Technology Co Ltd, China

Jinhua Institute of Bioeconomy Technology, Zhejiang, China

Zhejiang FANLIBO Building Material Co Ltd.,China

5. Agenda (Time schedule subject to change)

D1 Nov 18th, whole day. Registration and reception (Hanyuan Hotel)

Welcome reception dinner (3rd Floor, South Campus Cafeteria; Islamic diet available)

D2 Nov 19th

Morning Session: Plenary talks, including:

(1) Johannes Lehmann（Cornell University, USA），Trends of global biochar science and technology;

(2) Ellen Graber (Volcano Center, Israeli)，Biotic effects of biochar and the mechanisms/controls;

(3) Tom Miles (IBI), Global biochar developments and the role of IBI

(4) Kathleen Draper (Ithaka Carbon Intelligence Institute), Green application of biochar for community developments;

(5) Genxing Pan (NJAU/Sanju Green Energy, China), a full chain of straw biomass to biochar to biochar based products for soil management and ecological agriculture;

(6) Stephen joseph (NSW,Australia/NJAU),biochar compound fertilizer: a shifting paradigm of fertilizers

(7) Others selected

Afternoon session: Voluntary oral session, including talks:

(1) Lianqing Li (NJAU/Sanju), the role of biochar fertilizer in green agriculture: lessons from field demonstrations;

(2) Michael Schafer: Lessons from Warm Heart biochar projects in Thailand;

(3) Straw resource and biochar potential in Philippines;

(4) Issue of soil and fertilizer in Indonesia and biochar potential in agriculture;

(5) Afeng Zhang (NWAU,China), biochar in dry land agriculture of China;

(6) Biochar for soil remediation in contaminated lands;

(7) Yanyan Ju (NJAU), biochar from green wastes and the potential for city environment management;

(8) Zhi Lin(NJAU), Biochar from animal wastes and the environmental risks;

(9) Other to add

D3 Nov 20th: Field tour to Zhejiang (Biochar technology and industry)

Depart in morning and back at night, travel with high speed train, lunch in local city (Islamic food prepared)

(1) Sewage sludge biochar and potential use for eco-building(Zhejiang Vanlibo Building Material Co ltd.);

(2) Animal waste carbonization: technology and biochar products (Jinhua Bio-Economy technology Institute).

D4 Nov 21th.

Morning session: Discussions and dialog on biochar technology and industry between experts, scientists and project managers, engineers; Also, between China biochar projects and Asian biochar developments.

Afternoon: A coach tour to the demonstration of China's biochar industry in Liuhe, Dist,, Nanjing., Guided by Profs Pan and Li. Back at evening.

Depart for Chinese delegates.

D5: Departs for all delegates

6. Conference room

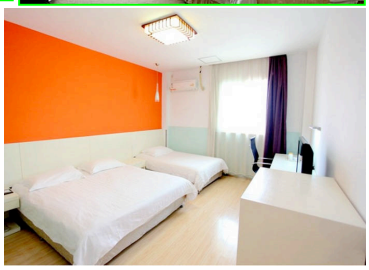
Conference hall, Ground Floor, Building of the College of Resource and Environment Sciences (red circle in the map below), main campus of Nanjing Agricultural University, 1 Weigang, Nanjing City, Jiangsu, China.

Building of the College of Resource and Environment Sciences (red circle in the map left)

7. Accommodation

(1) For invited foreign experts and domestic academicians (Non-Islamic diet): Hanyuan Hotel, Main Campus of Nanjing Agricultural University, 20 Tongwei Road, Nanjing, China.Tel: (86) 25 84393988

(2) For registered students and other foreign attendee. MoTai 168 Inns,
98 Houbiaoying Road, Qinhuai District, Nanjing City, Jiangsu, China. The hotel is just opposite to the south gate of the main campus of the Nanjing Agricultural University. Tel: (025)8428 6888.



Snack lunch will be provided (Islamic food separately) during conference while dinner only for reception.

8. Registration

(1) Normal registration: 400 USD; (2) Student registration: 250 USD (a Ph D or MS candidate certificate needed)

For normal registration, the registration fee covers conference proceedings, presentations, lunch and conference reception dinner as well as field trip. Student registration fee does not cover conference reception or banquet. Registration fee would be waived for invited speakers, participants from ASEAN countries. Payment accepted with cash or card, at the registration desk.

Any cancellation of participation should be received by October 31, 2017.

9. Transportation and weather/sports

Transportation:

(1) Subway available at the airport of Nanjing Lukou and at the Nanjing South high Speed railway Station(interchange at XinJieKou of Subway No 1 to Subway No 2, then exit No 3 at XiaMaFang station, 50M on the left, to the North gate of the NJAU campus;

(2). Taxi to the South Gate of the NJAU campus (close to both the MoTai 168 Inn and the Hanyuan Hotel). about 130 CNY from the airport and 30CNY from the Nanjing South railway station.

Weather: Relative cool and dry as in late autumn in Nanjing, jack dressing needed in the morning or in evening. Access to the green zone of the city is convenient at the north gate. You are encouraged to walk for pleasant leisure times. Umbrella may be needed in case of some short and slight rain.

10. Contacts

Contacts for confirmation: to Ms Daisy Yu (IBI Asian center) Email: 277814155@qq.com;

Contacts for local arrangements: Ms Xiarong (NJAU). Email: 965811864@qq.com;

Local organizer:

Dr. Genxing Pan. Email: pangenxing@aliyun.com. Tel: (86) 25 84396027; (86)13605172931.

For more information and for Chinese participants, pls refer to: http://ireea.njau.edu.cn/ch/Default.asp.

We look forward to a wide contribution from the international biochar society and a great exchange with you on biochar today in China!