

ISA 2013

THE 6th CONFERENCE
of the
INTERNATIONAL SEABUCKTHORN
ASSOCIATION
Potsdam 2013



SBT – a fresh look at
technology, health and environment
October 14th – 17th, 2013
Potsdam, Germany

A conference of the
International Seabuckthorn Association, Beijing

Organised by
German Society for Seabuckthorn and Wild Fruits,
Berlin

Humboldt-University, Berlin, Faculty of Agriculture
and Horticulture

Introduction

During the last years seabuckthorn became one of the most promising crops among the worlds agriculture. The great benefits of this plant - such as nitrogen fixation, use for human nutrition, preparation of medicines, production of cosmetics and, last but not least, environ-mental protection led to a wide interest in this powerful plant.

Ten years ago the 1st ISA conference took place in Berlin. It has been followed by a large number of successful meetings all around the world. Nowadays, it is very obvious that those long lasting activities of seabuckthorn pioneers resulted in a well accepted and important international meeting, the ISA conference.

The international scientific and commercial community is growing vigorously and resulting from this there is a huge interest in exchange of scientific knowledge. During the meetings of the International Seabuckthorn Association in Russia 2009 and China 2011 an impressing development in science and technology became obvious.

Due to a still growing number of persons engaged in seabuckthorn - based on agriculture, commercial aspects, as well as on the scientific point of view - the ISA board decided to organise the 2013 meeting in Potsdam, Germany, under the main theme:

"Seabuckthorn - a fresh look at technology, health and environment"

The German Society for Seabuckthorn and Wild Fruits and the Faculty of Agriculture and Horticulture, on behalf of the International Seabuckthorn Association, proudly invites you to take part in the 6th meeting of the ISA.

Objectives of the Conference:

- to assess the current status of seabuckthorn research
- to improve knowledge on SBT processing
- to show new technologies for growing and processing
- to propagate new knowledge about breeding and planting
- to demonstrate health benefits of Seabuckthorn

Main Themes of the meeting will be:

- Research on Seabuckthorn
- Medical and health applications of Seabuckthorn
- Technology of Seabuckthorn cultivation, harvest and processing
- Varieties and growing of Seabuckthorn
- New technologies for organic products from Seabuckthorn
- Quality of Seabuckthorn products

We would like to invite you to join our Potsdam isa2013 meeting. We hope You will have a fruitful meeting with enduring impressions.

Tai Yuanlin	Joerg-Thomas Moersel	Udo Schmidt
President of	President	Humboldt University
ISA board	of Sanddorn e.V.	Fac. of Agriculture

Scientific committee:

- Mr. H.-J. Albrecht Germany
- Dr. Yang Baoru Finland
- Dr. N. Demidova Russian Federation
- Mr. G. Gimmler Germany
- Prof. K. Heilscher Germany
- Dr. F. Höhne Germany
- Mr. A.W. Jasra Pakistan
- Prof. H. Kallio Finland
- Mr. V. Kortemieni Finland
- PD Dr. J.-Th. Mörsel Germany
- Dr. T. Rocksch Germany
- Prof. Lu Rongsen PR China
- Dr. D. Seglina Latvia
- Prof. Lu Shunguang PR China
- Dr. V. Singh India
- Dr. A. Utiouh Canada
- Ms. Xia PR China
- Dr. Y. Zubarev Russian Federation

Program committee:

- Mr. G. Gimmler Germany
- Prof. K. Heilscher Germany
- Dr. F. Höhne Germany
- Prof. H. Kallio Finland
- PD Dr. J.-Th. Mörsel Germany
- Prof Lu Rongsen PR China
- Dr. D. Seglina Latvia
- Dr. Y. Zubarev Russian Federation

Local organizing committee

- Ms. D. Berger Germany
- Dr. B. Fiedler Germany
- Ms. M. Otto Germany
- Ms. Cl. Lill Germany

Scientific conference Secretary:

- Ms. Sylvia Thies

The meeting is organised by the
International Seabuckthorn association
German seabuckthorn Association
Humboldt University Berlin

Under the patronage of
Minister Jörg Vogelsänger
Ministry of Agriculture and Infrastructure of Brandenburg

Preliminary conference schedule

Sunday, October 13th	
4 p.m. - 7 p.m.	Registration and welcome reception in Mercure Hotel Lobby , Potsdam
Monday, October 14th - Conference venue "Biosphere Potsdam"	
10 a.m.	Opening ceremony
Session I -	
11.00	Keynote lecture, lectures
12.30 a.m.	Lunch
Session II -	
1 p.m.	Keynote lecture, lectures
3.30 p.m.	lectures
7 p.m.	Board meeting of ISA
Tuesday, October 15th - Conference venue "Biosphere Potsdam"	
Session III -	
9 a.m.	Keynote lecture
9.30 a.m.	lectures
11 a.m.	lectures
12.30 a.m.	Lunch
Session IV -	
1.30 p.m.	lectures
3.30 p.m.	lectures
Wednesday, October 17th - Conference venue "Biosphere Potsdam"	
Session V -	
9 a.m.	Keynote lecture
9.30 a.m.	lectures
11 a.m.	lectures
12.30 a.m.	Lunch
1.30 p.m.	lectures
3.30 p.m.	lectures
5 p.m.	Closing Session

Lectures

There is a wide list of themes and actual aspects in the conference program. Final decision will be in august 2013. A complete list of submitted papers can be found on the official WEB page (www.sanddorn.net/isa2013)

Selected outstanding topics are:

- Immunomodulation by Seabuckthorn.
- Design & Development of Plucking Tools for Seabuckthorn Fruit
- Proteomic analysis to decipher cold traits in seabuckthorn
- Health promoting chemical components in Seabuckthorn and Orange mix beverage
- Patulin in the sea buckthorn products ready to drink: Preliminary study
- Comparative antimicrobial properties of three landraces of seabuckthorn (*Hippophae* L.) found in India
- Studies on antibacterial activities of seabuckthorn (*Hippophae* L.) leaf extracts against methicillin resistant *Staphylococcus aureus* (MRSA) field strains
- Phenotypic and genetic characterization of some Romanian sea buckthorn varieties
- Seabuckthorn an important species to rehabilitate and restore wastelands of Indian Himalayan Region
- Oral administration of Sea Buckthorn fruit extract attenuates restraint-induced behavioral deficits and hypothalamic serotonergic responses in rats: evidence for an antidepressant-like effects
- Selective estimation of sea buckthorn hybrids by periods of florescence and fruits ripening
- New findings on morphological variations and corelationships of characteristics among various natural populations of seabuckthorn (*Hippophae* L.) growing in 5 districts of Himachal Pradesh
- Improvement of SBT propagation technology
- Changes in content of major phenols during leaf development of sea buckthorn
- Some Phytochemical results of fresh Sea buckthorn (*hippophae rhamnoides*, L) cultivars grown in Mongolia center region
- Pest control in SBT fly
- Influence of irrigation and fertilization on yield and ingredients of Seabuckthorn variety Habego
- Verticillium infection of sea buckthorn - variety susceptibility and diagnosis
- Investigation of leaves from German varieties
- Bioactive health properties focusing bioprocessing
- Efficacy studies of Seabuckthorn based nutraceutical formulation on cognitive functions of healthy human subjects
- Acute & sub-acute toxicity studies of pharmacologically active Seabuckthorn extract

- Biological treatment of Verticilium and inoculation with nitrogen-binding bacteria in Sea Buckthorn orchards in Sweden.
- Differences in SBT between Russian and German varieties
- Devoted to content of serotonin in sea buckthorn
- Trace elements of seabuckthorn tissues
- Relating bioactives with isolated compounds in Indian seabuckthorn

Poster presentations

During conference time a poster presentation will take place. Final decision will be in august 2013. Posters will be displayed from Monday to Wednesday.

- The maximum allowable poster size is 85 cm (width) x 120 cm (height)
- Material to fix posters will be available
- Last minute posters will be accepted until October 1st

Technical Remarks

- For the lectures we make available to you:
 - beamer (PC is available), which can be used for PowerPoint files,
Files should be submitted by e-mail before conference
 - video projection (please inform the organiser before conference)
- If you need anything special, please contact us.

Time for oral presentations

All oral presentations are limited to 15 min followed by 5 min. for discussion. Keynote lectures are 30 min. Additional poster presentation are possible to present findings in detail.

General information

Conference venue

The lectures, meetings and exhibitions will be held in the **Biosphere Potsdam**,

Conference address / location:

Biosphere Potsdam
Georg-Hermann-Allee 99
14469 Potsdam

Next Tram Station directly in front of conference venue (line 96 - station „Bornstedt/Kirschallee“, or line 92 - station „Campus Fachhochschule“, 300-400 m along tram track)

Information on local travel are in the web www.vbb.de. In case you have problems to find the location, please ask for the "Biosphere". You will find in your conference material a plan of Potsdam

Conference office

During come together
Sunday, October 13th 4.00 - 7.00 p.m.
Mercure hotel, Potsdam city center

During conference time
In the main building of the Biosphere
Monday to Wednesday all time during sessions

Address for correspondence

ISA 2013 Conference
Infostelle Sanddorn e.V.
Ms. Sylvia Thies
An der Mühle 1
D-15345 Altlandsberg, Germany

FAX: +49(0)-33438-14720
Phone: +49(0)-33438-14724
e-mail: isa2013@sanddorn.net

during conference
FAX: +49(0)-33438-14720
Phone: +49(0)-33438-14714

Conference language

The official language of the conference will be English.

Internet access is in most hotels available for free, in conference hall free access too (password will be in your conference materials)

Conference Proceedings

- Proceedings will be issued as print and pdf version
- Articles should be sent to the organising secretary at least until October 14th , Recommended length 4 pages
- Submission will be accepted on disc, memory cards or sticks or email. Text format should be WinWord (*.doc), Please use font Arial 10pt, headlines 12pt

Exhibition

An exhibition of publications and technology as well as commercial products will be held. Interested exhibitors are asked to apply at the organising secretariat. Please state your interest as soon as possible. Detailed information material is available at the organising secretariat.

Cultural programme and events

Sunday, October 13th	
6 p.m.	Come together at Mercure hotel lobby hall
Tuesday, October 15th	
7 p.m.	Official conference banquet and reception
Thursday, October 18th - starting in front of Mercure hotel	
Technical tours - two possible options, 9:00 a.m.	
Focussed on Agriculture and agro technique	Potsdam town tour (short look on the town) followed by visit to federal agency for brands (plantation and fields), Plantation in village Quellendorf - plantation and harvesting technology
focussed on technology	Potsdam town tour (short look on the town) followed by visit to processing plant in Herzberg and in Hohensefeld
Friday, October 19th - after conference tours - starting in front of Mercure hotel	
Trips to Sites of World Heritage, two possible options	
Dresden	Dresden - research station on plant breeding Pillnitz (Saxony Country) - visit to Dresden heritage - visit natural resort Elbtal - visit to Pillnitz gardens - duration 1 day, in Evening back in Potsdam
Mecklenburg-Vorpommern (north east Germany)	visit to Ludwigslust castle - Sanddorn Storchennest Ludwigslust (SBT company) - state research station on agriculture in Guelzow (SBT variety testing and research) - visit to Guestrow town and heritage Hotel 1 night in Guestrow visit to Darss half island - natural reserve - SBT plantation and SBT specialities shops there - visit to Wismar town and SBT marketing there - back on Saturday evening to Potsdam

Fees and Registration

Registration fee

Regular participant *	450 €
before June 30th	400 €
reduced fee **	300 €
Regular participant *	
one day	150 €
students *	100 €
with confirmation of the university	
before June 30th	50 €
accompanying person***	100 €

* fee includes admission to all lectures and exhibition, conference material and proceedings. It includes participation in conference dinner party and coffee breaks.

** reduced fee is applicable to persons coming from countries listed in OECD DAC list please see on conference homepage.

*** includes admission to exhibition and participation in conference dinner party and coffee breaks.

- All payments should be made in EURO
- Form of payment
 - a) Bank transfer Remittances should be made to the following bank:
international transfer:
IBAN DE75 1204 0000 0091 9266 00
SWIFT code COBADEFFXXX
 - b) national transfers inside Germany:
Bank account 0919266, Bank ID 12040000

Bank adress: Commerzbank AG,
Boelschestrasse 74, D-12587 Berlin
 - c) cash at conference desk
 - d) paypal to payment@sanddorn.net
- Registration will not be processed until the payment is received.
- In case of Conference cancellation already paid fees are paid back. Furthermore debts are not accepted.
- Cancellation before August 15th is accepted without fees. Notification must be sent to the Secretariat by mail or email. After August 15th cancellation fees are as follows:
Cancellation received before October 1st:
25 Euro handling charge
Cancellation received before conference beginning:
70 % of registration fee

Later cancellation
No refund
All refunds will be made after the Congress.

- A limited number of grants is available. Participants who need support are asked to contact the organising secretary. Decision will be in End of July
- All documents for the participants are available in the conference office.

Accommodation and venue

Conference will be held in Potsdam, Brandenburg Germany. It is near to Berlin. There are still two International Airports in Berlin (Schönefeld and Tegel) with good connection by plane, train and public traffic.

For all who need a hint how to come to Potsdam:

From Schönefeld airport.

Please go to railroad station (5 min by foot), take city train line **S9** to City center. Change at station Ostkreuz to a train going to city center and change at Friedrichstraße station to **S1** to Potsdam

From Tegel airport.

Please take Bus TXL and go to Berlin main railroad station. Take a train going to Friedrichstraße station (1 station only) and change at Friedrichstraße station to **S1** to Potsdam

From Berlin main railroad station

Take a train going to Friedrichstraße station (1 station only) and change at Friedrichstraße station to **S1** to Potsdam

In Potsdam

Mostly all Bus and Tram lines are connected to main railroad and city train station. Mercure hotel is 5 min by foot. For other hotels see at hotels internet page or ask at station info point

Registration

Participants are requested to fill out the registration form and send it to the Secretariat. The organising committee encourages on-line registration at www.sanddorn.net/ISA2013

Alternatively send registration form by mail, email or FAX to
ISA 2013 Conference

Infostelle Sanddorn e.V.
Ms. Sylvia Thies
An der Mühle 1
D-15345 Altlandsberg, Germany

FAX: +49(0)-33438-14720
Phone: +49(0)-33438-14724
e-mail: isa2013@sanddorn.net

About Potsdam

- Potsdam offers numerous options for accompanying persons regarding sightseeing, excursions, and entertainment, being possible without any prior knowledge of German Language. The organising secretariat will support you. Potsdam gardens are world famous and you surely need more than one day to see only 10 %

Accommodation

You are kindly asked to make your own choice and to do reservation directly and **individually** with hotel.
To get discount please indicate that you are attending ISA congress. All hotels have well English speaking staff.

Some recommendations

The official conference hotel is **Mercure in Potsdam** (www.mercure.com/de/hotel-1582-mercure-hotel-potsdam-city/index.shtml) . for reservation you can send email directly to the staffH1582@accor.com. **For reference please use ISA 2013 to get special price.**

Filmhotel "Lili Marleen", Grossbeerenstrasse 75,
14482 Potsdam
phone: 0331-743200
Fax: 0331-7432018
Offer number 121112-003
filmhotel@potsdam.de www.filmhotel.potsdam.de
It'S inside a historical movie studio area (the "Hollywood" of Germany) Prices are between 50 and 70 Euro (single / double room) per room and night

In Potsdam city centre located we can recommend - refer to
6742 reservation number
Quartier - Potsdam Hostel
Ribbeckstrasse 41
14469 Potsdam

www.potsdam-hostel.com
info@potsdam-hostel.com
phone +49 331 2739939
Fax +49 331 2012856

It's a typical hostel. Double, double comfort and quadruple rooms. Prices are between 19 and 25 Euro(double / quadruple / double comfort room) per person and night

At the riverbank we arranged on a very special place:

Swimming Hostel Berlin
at the Neustädter Havelbucht
Wall am Kiez 4

14467 Potsdam
Telefon: +49 172 5463760
swimmingbackpacker@gmail.com
swimming-hostel-berlin.de

The hostel is on a ship. Prices are between 20, 25 or 35 Euro (quadrupole / double / single room) per person and night.

for all who like to look in internet for hotels in Potsdam:

www.hotel.de
Potsdam tourist information center
www.potsdam-tourism.com

Important deadlines and dates

submission of papers for proceedings	14.10.2013
Payment of advance registration fee	31.07.2013

Climate

Weather in October normally is sunny and warm, medium temperatures in the daytime 20 °C, 10 °C at night. Sometimes rain is possible.

Interesting links:

www.potsdam.de
www.sanddorn.net

Information about Potsdam
Information about German
Seabuckthorn Society
Information about local traffic

www.vbb.de

Visa

A valid passport is required for non EU participants. Please apply in due time for a visa whenever necessary. Personal invitation for non EU participants will be send after we received registration.

You are kindly asked, to circulate this information to any other colleagues who might be interested in participation at isa2013 meeting.

Registration Form

6st Conference of the International Seabuckthorn Association

October 14 - 16 2013, Potsdam, Germany

Name _____

Surname _____

Academic title _____

Address _____

FAX _____ Phone _____ e-mail _____ @ _____

date of arrival _____ . .2013

date of departure _____ . .2013

I will be accompanied by _____ / alone
(only non-participating persons)

Date _____

Signature

Please mail Registration to:

isa2013 Seabuckthorn meeting
Ms Sylvia Thies, Organising Secretary
An der Mühle 1
15345 Altlandsberg

FAX: +49-33438-14720
Phone +49-33438-14724
e-mail isa2013@sanddorn.net

remarks and comments