

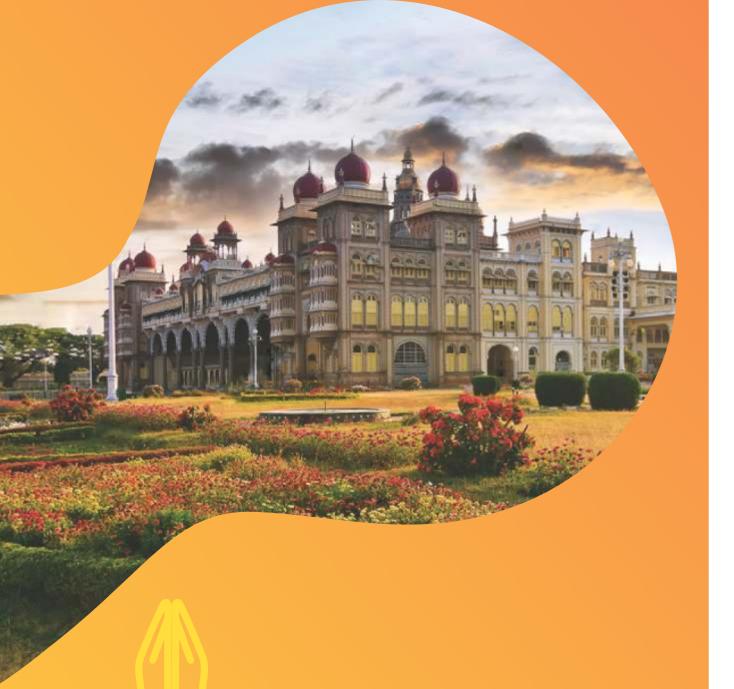




The 6th Asia-Pacific Congress of Sericulture and Insect Biotechnology

APSERI-2019

2-4 March 2019 • Mysore, India



WELCOME TO MYSORE, INDIA AND THE APSERI-2019

The International Sericultural Commission (ISC), Bangalore, India take great pleasure in inviting you to the prestigious, VI Asia Pacific Congress of Sericulture and Insect Biotechnology (APSERI-2019) being held at Mysore, the City of Palaces, from 2-4 March 2019.

APSERI-2019

The Asia Pacific Congress of Sericulture and Insect
Biotechnology is an international forum committed exclusively
for the sericulture science that provides access to progress
made in science and technology, current knowledge of the
field, and the future opportunities for silkworm and silk.

It offers an exclusive opportunity for international scientists, universities, faculty & students of Institutions of research in host plants, silkworms, post-cocoon technology, silk processing, promotion, conservation, bio-technology, frontier areas of research, etc., to interact, share and exchange the most recent advancements in their fields.

Presentation of a large number of scientific papers, apart from several poster presentations in various fields is expected to lead up to the formation and dissemination of current and new scientific and adaptive knowledge in the field, including honing up the base-line skills for the core participants.

In effect, the Proceedings of the APSERI-2019 would bring together in a single, free, open, equitable access-resource, the collective knowledge and erudition of the international silk community, displayed in the presence of an insightful global audience, which can be usefully translated into strategic tools for the advancement of silkworm and silk and its enormous scope and applications in many countries.

PAST CONGRESSES OF APSERI



Sangju, South Korea -2006



Nagoya, Japan-2008



Chongqing, China-2012



Pusan,

South Korea-2015



Bangkok, Thailand-2017



The silk industry has been considered as a livelihood option for the rural population, especially the women and other weaker sections of the society in many countries. With the increasing awareness on natural products, the silk has been preferred as an ideal textile product for many consumers in the world. Further, there is greater scope for diversifying the products with the current day requirements. There is also enormous scope for using silkworm and silk in frontier areas like industrial, pharmaceutical and nutritional

sectors. Substantial research and developmental activities on these fields are being undertaken in different R&D laboratories across the globe. It is critically important to aggregate and disseminate these innovations and developments among the global silk fraternity. Keeping this important factor in mind, the Organizer has decided to adopt the Congress theme as "Go for Silk, Go to Nature". The Congress will have exclusive lead papers concerning this subject for detailed deliberation.

The Organizer

International Sericultural Commission (ISC), established in 1960, which had its headquarters at Lyon, France, is now functioning from to Bangalore, India from 1st January, 2013. ISC is the only inter-governmental organization engaged in the development of sericulture and industry in the world. The twenty Member Countries of ISC are Afghanistan, Bangladesh, DPR Korea, Brazil, Egypt, France, Greece, Ghana, India, Indonesia, Iran, Japan, Kenya, Madagascar, Nepal, Romania, Syria, Thailand, Tunisia and Uzbekistan. For more details about ISC, please visit http://inserco.org



Official Language English is the official language of the APSERI-2019.

The Venue:

The venue of the Conference is Hotel Southern Star, Mysore, India. Address:

14-15, Vinobha Road, Devaraja Mohalla, CFTRI Campus, Kajjihundi, Mysuru, Karnataka 570005. Phone: +91 821 242 6426 For more details, visit: www.hotelsouthernstar.com

APSERI-2019 Sections



Current status of sericulture and insect biotechnology in participating countries. Open to invited speakers only.

All aspects and areas concerning Mulberry like; cultivation, breeding, pathology, physiology, agronomy, soil science, etc.





Rearing, feeding, pathology, physiology, and breeding aspects of Bombyx mori (mulberry silkworm)

Rearing, feeding, pathology, breeding, host-plants, etc. related to wild silkworms.





Silkworm as a biological model, genetics, physiology, biochemistry, genetic-engineering, molecular biology, developmental biology, and genomics.

Reeling, cocoon preservation, silk quality, gradation, weaving, processing, product diversification, by-product utilization and bio-materials.



Your Contributions

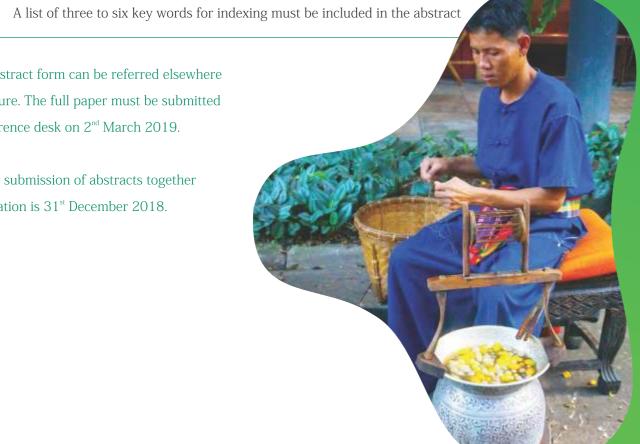
Interested persons may please send the abstract of the scientific papers by soft copy (via e-mail) directly to the Congress Secretariat by e-mail: apseri2019@gmail.com

An abstract should provide the context or background for the study and state the purpose of the research, scope of the experiment, major findings and principle conclusions. References in the abstract must be cited in full as like; "Sampaio et.al. 2008 J. Biosci.Bioeng., 105;305-312" . The abstract should be written in the past tense as a single paragraph not exceeding 250 words. The abstract should be prepared and shall be reproduced directly. Authors will, therefore, have the full responsibility for correct design and contents. Please note the following information;

Paper	A4
Title Style	Bold Times New Roman with 14 font size
Authors and Institution	Italic Times New Roman with 12 font size
Text	Times New Roman with 12 font size and written in one paragraph
Text	Times New Roman with 12 font size and written in one paragraph

A sample Abstract form can be referred elsewhere in the Brochure. The full paper must be submitted at the Conference desk on 2nd March 2019.

Last date for submission of abstracts together with Registration is 31st December 2018.



Selection Process for Contributions



A Scientific Committee comprising eminent persons in the respective fields selection, contextual appropriateness, equitable distributions of contributions to various Themes of different Sections, country-wise parity, and the time-slots available, etc. The Committee would also segregate the papers for oral and poster presentations.

Oral Presentations

Duration of each presentation will be 15 min (12 minute presentation followed by 3 minute question and answer session). PowerPoint package compliant to Windows 10 would be available for PPT.

Poster Presentation

Poster boards of 160 cm x 150 cm and materials for fastening posters shall be provided. The poster size should be within 120cm (height) x 100 cm (width). The poster should contain the title which must be the same as that of the abstract, the name(s) of author (s) others affiliation and address(es).

Publication of Book-of Abstracts and Proceedings

The organizers reserve the right to edit and publish the Book-of-Abstracts of contributions received, and the Proceedings of the APSERI-2019. The full papers shall also be considered for publishing in the scientific journal of ISC;

Registration Fee

Overseas Delegates

US \$ 250
Till 31st December 2018

US \$ 300
LATE REGISTRATION
Till 31st January 2019

Airport transfer from Bangalore to Mysore and back, assistance in hotel reservations, lunches and refreshments during the Congress, welcome dinner, gala dinner, free entry to Cultural Programmes, Congress Pouch, Congress Publications, surprise gift, and one day tour to silk producing areas and facilities.

Overseas
Delegates
with spouse
US \$ 400



US \$ 450

Spouse is eligible for Airport transfer from Bangalore to Mysore and back along with the delegate, free entry to inaugural and concluding sessions of the Congress, lunches and refreshments on all three days, welcome dinner, gala dinner, free entry to Cultural Programmes, field visit, and one full day excursion in Mysore city.

Overseas students

US \$ 150

Till 31st December 2018



US \$ 200

LATE REGISTRATION Till 31st January 2019

Airport transfer from Bangalore to Mysore and back, lunches and refreshments during the Congress, assistance in hotel reservations, welcome dinner, gala dinner, free entry to Cultural Programmes, Congress Pouch, Congress Publications, surprise gift, and one day tour to silk producing areas and facilities.

Indian Delegates

Rs.10,000
Till 31st December 2018



Rs.13,000

LATE REGISTRATIO

Lunches and refreshments during the Congress, assistance in hotel reservations, welcome dinner, gala dinner, free entry to Cultural Programmes, Congress Pouch, Congress Publications, and surprise gift. Indian Delegates with spouse

Rs.15,000

ll 31st December 2018



Rs.18,000

LATE REGISTRATION Till 31st January 2019

Spouse is eligible for free entry to inaugural and concluding sessions of the Congress, lunches and refreshments on all three days, welcome dinner, gala dinner, free entry to Cultural Programmes, field visit, and one full day excursion in Mysore city.

Indian students

Rs.5,000

Till 31st December 20



Rs.8,000

LATE REGISTRATION Till 31st January 2019

Lunches and refreshments during the Congress, assistance in hotel reservations, welcome dinner, gala dinner, free entry to Cultural Programmes, Congress Pouch, Congress Publications, surprise gift and field visit

Dates to Remember

2018 **31**

Contributions (submission of Research Papers)
Completed Registration Forms with Registration Fee

Late Registration with late registration fee

Registration Forms

The Registration Form for APSERI-2019 is contained elsewhere in this Brochure, which can be easily detached, and sent to the Conference Secretariat through email apseri2019@gmail.com together with scanned copy of Registration Fee in Demand Draft or, copy of the money transfer receipt, to reach before 31st December, 2018 and late registrations by 31st January 2019. The Demand Draft may be send to the Coordinator, APSERI- 2019, whose address is given elsewhere in this brochure.

Mode of Payment

The Overseas Delegates must remit the payment in US dollars by SWIFT Transfer, or, by Demand Draft. The Account details are given below:

Beneficiary Name	International Sericultural Commission		
Account No	3188283389		
Bank	Central Bank of India		
Branch	Central Silk Board Branch, Bangalore, India		
IFSC Bank Code	CBIN0283975		

For overseas transfer: THROUGH SCBL US 33, STANDARD CHARTERED BANK, NEW YORK, USA TO A/C NO.3582-050570-001 OF CENTRAL BANK OF INDIA, OVERSEAS BRANCH, MUMBAI, SWIFT: CBININBBOSB

For remittance through SWIFT Money Transfer, a copy of the SWIFT transfer receipt should be enclosed along with the Registration Form.

The Indian Delegates and Indian Students can remit the payments through Online transfer to the above Account or by Demand Draft in favour of "International Sericultural Commission", payable at Bangalore.

APSERI-2019 Programme

MARCH 2019 1

Arrive Mysore
Registration in the Hotel Lobby

MARCH 2016) **2**

Darbar Hall 1

0730 – 0900 hrs

Registration of delegates

0900 - 1000 hrs

Opening ceremony, which shall include:

- ••• Welcome Address by the Chairman,
 Scientific Committee
- *** Key Note Address on the Theme "Go for Silk, Go for Nature"
- *** Address by Secretary General, ISC
- ··· A Report on APSERI by Dr. Shimada TORU
- ··· Inauguration and inaugural address
- ••• Vote of Thanks by Coordinator, APSERI-2019

10 00 – 10 30 hrs

High Tea

Darbar Hall 1

11 00 – 13 00 hrs	Session I – Country Reports
13 00 – 14 00 hrs	Lunch
14 00 – 16 00 hrs	Session II – Mulberry Session
16 00 – 16 30 hrs	Coffee/Tea Break
16 30 = 18 00 hrs	Session II- Mulherry Session

Darbar Hall 2

14 00 – 16 00 hrs	Session III – Silkworm Session	
16 00 – 16 30 hrs	Coffee/Tea Break	
16 30 – 18 00 hrs	Session III- Silkworm Session	
19 30 hrs	Cultural Programme	
	followed by Welcome Dinner	

MARCH 2010

Darbar Hall 1

08 00 – 10 30 hrs	Session IV – Wild Silkworms
10 30 – 11 00 hrs	Coffee/Tea Break
11 00 – 13 00 hrs	Session V: Insect Biotechnology
13 00 – 14 00 hrs	Lunch
14 00 – 15 00 hrs	Session V: Insect Biotechnology continues
15 00 – 16 00 hrs	Session VI: Post Cocoon Technology
16 00 – 16 30 hrs	Coffee/Tea Break
16 30 – 18 00 hrs	Session VI: Post Cocoon Technology continues
18 00 – 18 30 hrs	Closing Ceremony
19 30 hrs	Gala Dinner

Darbar Hall 2

Whole Day Poster Session

MARCH 2019 4

Field Visit

08 00 – 10 00 hrs	Visit to Farmers field in Srirangapatanam and surrounding areas.
10 00 – 11 00 hrs	Visit Silk Factory
11 15 – 13 00 hrs	Visit Central Silk Sericultural Research and Training Institute
13 00 – 14 00 hrs	Lunch
14 00 – 16 00 hrs	Visit Sandalwood Factory and Mysore Palace
16 00 - 19 00 hrs	Visit Brindavan Gardens
19 30 hrs	Free

Programme for Spouse

2nd March 2019

Inauguration of APSERI-2019

•••••

Official Reception,
Cultural Programme
and Welcome Dinner

3rd March 2019

One full day excursion in and around Mysore city including shopping

•••••

Gala Dinner

4th March 2019

Field visit

Accommodation for your stay Hotel Southern Star, Mysore

The organizer has arranged accommodation of the delegates in Hotel Southern Star, which is also the venue of the event. The hotel costs have to be settled by the delegate at the time of vacating the hotel. The special Hotel rates for the delegates of APSERI-2019 are given below:



Room Type	Occupancy	Special Rate on CPAI		
SUPERIOR ROOM	Single occupancy Double occupancy	Rs.2700 + Tax (18%) = Rs.3186/- Per Day Rs.3200 + Tax (18%) = Rs.3776/- Per Day		
CLUB ROOM	Single occupancy	Rs.3350 + Tax (18%) = Rs.3953/- Per Day		
	Double occupancy	Rs.3750 + Tax (18%) = Rs.4425/- Per Day		
EXECUTIVE SUITE	Single / Double occupancy	Rs.5508 + Tax (18%) = Rs.6500/- Per Day		
Extra Mattress		Rs.1000/- net per day		
Facilities	The above special rates includes Accommodation + Use of Swimming pool + Use of Exercise room + Buffet Breakfast + GST 18% + Wifi free.			

Indian delegates, who desires Hotel accommodation, may contact the Coordinator, APSERI-2019, indicating their preferences and tariff ranges. Lower, hotel tariffs ranging from Rs.1000/- could also be arranged.



Mysore (or Mysuru), a city in India's southwestern Karnataka state, was the capital of the Kingdom of Mysore from 1399 to 1947. Mysuru, is the third largest and second most populated city of Karnataka and is 150 kms from Bangalore. The rich cultural environment of Mysore has earned it the moniker of Cultural Capital of Karnataka. In its center is opulent Mysore Palace, the seat of the former ruling Wodeyar dynasty. There are some notable heritage structures in Mysore like the famous Mysore Palace and the Jaganmohana Palace. Other significant tourist spots in Mysore include Somanthapura, Karanji Lake & Park, Chamundi Hill, Brindavan Garden and Rail Museum. Mysore is also famed for its exceptional quality of Mysore Silk and a unique tradition of painting known as Mysore Painting. This city offers quite a few mouthwatering delicacies like the Mysore Pak and Mysore Masala Dosa.



March is the beginning of summer in this part of India.

Summers in Mysore are warm with the temperature varying between 22° C and 35° C. The days are bright and sunny and the evenings are quite cool and pleasant. So you can easily carry on with all tourist activities.

Summer wear is recommended.

CURRENCY AND BANKING



The organizers of APSER-2019 would arrange a Foreign Exchange Desk at the Venue of the Congress for your convenience. Foreign currency exchange service is also available at Bangalore Airport and the hotels. Major credit/debit cards are widely accepted at shops, hotels, airlines, and many business centers.

VISA



All foreign delegates are requested to apply for the Indian Conference Visa through Online by application link https://indianvisaonline.gov.in/visa/index.html#. The duly signed physical copy of the application form submitted successfully, need to be submitted at the concerned Indian Visa Application Center (IVAC) or directly to Indian Mission/ Post, on the scheduled date of interview along with the requisite supporting documents.

Online filing of Visa Application should be done at least 30 days in advance. In case of delegates from Afghanistan, Iraq, Pakistan, Foreigners of Pakistani origin and Stateless persons, Visa application need to be filed 60 days in advance.



The nearest major airport to Mysore is the Bangalore International Airport, which is about 170 kilometers away. Bangalore is very well-connected to all major cities of the world. It takes about three hours by road to reach Mysore from Bangalore. All foreign delegates shall be received at Bangalore International Airport and taken to Mysore by car/bus.

Indian delegates may make their own arrangements for travelling to Mysore either by taking AC Bus from the Airport terminal, by train from Bangalore Railway Station or by Bus from Bangalore Bus Station. Convenient AC City buses are available from Airport to City Bus/train Stations.

POST CONFERENCE TOURS

An optional tour as detailed in the next page shall be arranged for interested Delegates, on payment of actual cost.

•••••

Programme

08 00 hrs Leave to Srirangapatna and visit the Summer Palace of

Tippu Sultan, Triveny, Temple and other monuments

11 00 hrs Leave to Shravanabalagula

13 00 hrs Lunch

14 00 hrs Visit Shravanabelagola.

This place is famous for the Bahubali Statue which is supposed to be the tallest monolithic stone statue in the world with a height of 58 feet carved out of a single block of granite. The Gomateswara temple is built on top of a hill at an altitude of 3347 feet, called as Vindhyagiri hill (also known as Doddabetta or Indragiri). About 620 steps provide access to this temple from bottom of the hill. The nude statue of Bahubali is carved carefully with much



6 00 hrs Leave to Hasan and Halt

0800hrs

Visit the Chennakeshava Temple

The temple is a 12th-century Hindu temple, which was commissioned by King Vishnuvardhana in 1117 CE, on the banks of the Yagachi River in Belur, an early Hoysala Empire capital. The temple was built over three generations and took 103 years to finish. It was repeatedly damaged and plundered during wars, repeatedly rebuilt and repaired over its history.



10 00 hrs

Visit Halebeidu

Halebeidu was the regal capital of the Hoysala Empire in the 12th century. It is home to some of the best examples of Hoysala architecture. Most notable are the ornate Hoysaleshwara and Kedareshwara temples. The city got the name "Halebidu" because it was damaged and deserted into "old capital" after being ransacked and looted twice by Islamic forces of the Delhi Sultanate in the 14th-century Temple

12 30 hrs Lunch in Hasan

3 30 hrs Leave to Bangalore

17 30 hrs Arrive Bangalore Airport



TOUR COST

US \$ 250/per person.

The cost includes one day accommodation, transport by AC mini Bus/Car, food charges, entry fee, guide charges, and other miscellaneous expenses.

Interested delegates may confirm their option of tour before 31st January, 2019 to the Co-ordinator, APSERI-2019 (e-mail address and telephone numbers are already given) by remitting the cost to the Bank A/c details already given.

Sample Abstract

DOES YELLOW SUBSTANCE IN SERICIN CORRELATE WITH ANTIOXIDANT ACTIVITY?

Vallaya Sutthikhuma, Wilaiporn Rathina, Prachachart Nottaseneya, Reon Somanac

Department of Chemistry, Faculty of Science, Mahasarakham University, Mahasarakham province, 44150 Thailand

[®]Queen Sirikit Sericulture Center (Roi-et), Thawatburi, Roi-et province, 45170 Thailand [®]Department of Biology, Faculty of Science and Palaeontological Research and Education Centre, Faculty of Science, Mahasarakham University, Mahasarakham province, 44150 Thailand

Domestic (Bombyx mori) polyvoltine yellow cocoons (NN, SR, NLI and KK race) and bivoltine white cocoons (WW) as well as the wild Eri silk cocoons (Philosamia Cynthia ricini) were degummed with hot water to get crude sericin extract. The determination of antioxidant activity in such extracts by DPPH assay revealed that Eri silk cocoon was with the highest ant oxidant a rivity (IC₅₀ = 0.17 r r/ml) f flowed over the yellow cocoons (IC₅₀ = 0.35-0.61 mg/ml) and the inite cocoons of B. nori (C₅₀ 1 r r g/ml), respectively. The sericin fraction tion of B m. ri white at 1 Eristicoloon with 5 , 70 and 90% (NH₄)₂SO₄ yielded the white protein precipitate in all fractions whereas the precipitate from B. mori yellow cocoons salting-out with 50% (NH₄)₂SO₄ was yellow but that with 70 and 90% (NH₄)₂SO₄ was white. The DPPH assay for all protein fractions demonstrated that the white proteins fractionated by 70% (NH₄)₂SO₄ from all types of silk cocoons possessed very high antioxidant activity, and the highest was that from Eri silk cocoons. However, the lowest activity was found in that from the deepest yellow KK cocoons. The results suggest that not yellow substances in B. mori silk cocoons but white proteins extracted from sericin fraction of cocoons should play the major role in exhibiting antioxidant activity.

(Note: NN, Nang-noi; SR, Srisaket; NLI, Nang-lai; KK, Kaki)

Keywords: Bombyx mori, Philosamia Cynthia ricini, sericin, antioxidant activity

ABSTRACT FORM(日本語用)

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- 2. The abstract shuld be typewritten with in the blue outlined block on this form using black ribbon.



Look forward to seeing you at the Congress....

• • • • •

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Secretary General
International Sericultural Commission,
5th Floor, CSB Complex, Madiwala,
Madiwala, Bangalore – 560068, INDIA
TEL: +9180 26680190
Email: apseri2019@gmail.com

Congress Contact Person

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Coordinator, APSERI-2019,
Ground Floor, Central Silk Board Complex,
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Bangalore-560 068, INDIA
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Web: www.inserco.org

The 6th Asia-Pacific Congress of Sericulture and Insect Biotechnology

APSERI-2019

2-4 March 2019 • Mysore, India

Registration Form

Paste Photograph	Name Ms. / Mr. / Dr. Designation Address			
Tel	Fax	Email		
Passport		Issue Date		
Place of Issue		Date of Expiry		
Accompanied by				
Date of Arrival		Date of Departure		
Flight No		Flight No		
		Ву	31 st Dec. 2018	By 31 st Jan. 2019 Late Registration
Registration	Overseas Delegate		US\$ 250	US\$300
Fee Details*	Overseas Delegate w	vith spouse	US\$ 400	US\$ 450
	Overseas University	Students#	US \$ 150	US\$ 200
	Indian Delegate		Rs.10,000	Rs. 13,000
	Indian Delegate with	spouse	Rs.15,000	Rs. 18,000
	University Students#	ŧ	Rs.5,000	Rs. 8,000
Hotel reservation**				
I submit a scientific	Country Reports	Mulberry	Silkwo	rm
paper to Session	Wild Silkworms	Insect Biotechnolo	gy Post Co	ocoon Technology
Date:	Signature:			

^{*} Please attach copy of money transfer receipt or demand draft.

^{**} For information about Hotels, please refer to the brochure.



Mail to

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