

PROGRAMME

7th Conference of International Association of Seabuckthorn (ISA-2105)

November 24-26, 2015, New Delhi, India

Conference venue: A.P. Shinde Auditorium, NASC Complex, near PUSA, New Delhi 110012, India

Registration of delegates:

23.11.2015, Monday: 3.00-7. 00 PM: A.P. Shinde auditorium, NASC Complex & Hotels

24.11.2015, Tuesday: 8:00-9:15 AM: A.P. Shinde auditorium, NASC Complex

Programme at a glance

Day	Event	Venue	Time
24/11/2015 (Tuesday)	Inaugural session	A.P. Shinde auditorium	09.15-10.40AM
	Lead Lecture of Prof. H. Kallio	A.P. Shinde auditorium	11.05-11.35 AM
	Technical session I Combating climate change, conservation of environment and rural development	Committee room	11.40 AM-01.15 PM
	Technical session IIa Cultivation technologies- Part I	A.P. Shinde auditorium	11.40 AM-01.15 PM
	Technical session IIb Cultivation technologies- Part II	A.P. Shinde auditorium	02.00-05.00 PM
	Technical session III Genetic diversity & breeding	Committee room	02.00-05.00 PM
25/11/2015 (Wednesday)	Technical session IV Phytochemistry	Committee room	09.30 AM-01.15 PM
	Technical session V Medical research	A.P. Shinde Auditorium	09.30 AM-01.15 PM
	Technical session VI Processing technologies/ product development & trade	Committee room	02.00-05.00 PM
	Technical session VII Biomedical Research	A.P. Shinde auditorium	02.00-05.00 PM
	Meeting of Board of Directors of ISA	Committee room	6.00-8.30 PM
26/11/2015 (Thursday)	Technical session VIII Policy issues on Seabuckthorn	A.P. Shinde auditorium	09.30 AM-01.00 PM
	Closing session	A.P. Shinde auditorium	01.00-01.30 PM
26/11/2015 (Thursday)	Visit to Kingdom of Dreams, Gurgaon	From Venue of A.P. Shinde auditorium	3.30-10.00 PM
27/11/2015- 29/11/2015	Excursion tour to Jaipur-Agra or Leh & back on 30.11.15 at 5 PM & then to Airport	Sidarth Hotel & NASC Complex	

The detailed programme

Tuesday, November 24, 2015

Inaugural session:

Venue: A.P. Shinde auditorium, NASC Complex

Time: 09.15-11.40 AM

09.15-10.40 AM	Formal opening of conference
10.40-11.00 AM	Tea break
11.05 -11.35 AM	Lead lecture : H. Kallio Chairpersons: Brahma Singh and Tej Pratap

Technical session I: Combating climate change, conservation of environment and rural development

Venue: Committee room, NASC Complex

Time: 11.40 AM-01.15 PM

Chairpersons: K.K. Katoch and Wilhelm Kruse

Rapporteur: T. Stobdan

11.40 AM-12.00 Noon	Key note address: An Baoli The ecological practice in the Pisha sandstone areas by planting seabuckthorn
12.00 Noon onwards	
Wilhelm Kruse	Seabuckthorn (SBT)-An alternative plant for high mountain agri-business and livelihood improvement in Central Asian countries-Actual situation and future prospects
R.K. Maikhuri	Seabuckthorn: An underutilized resource for the nutritional security and livelihood improvement of higher Himalaya rural communities in Uttarakhand
Ghulam Nabi Shigri	Seabuckthorn becoming a major contributor to combat the climate improvement and & women empowerment in Gilgit Baltistan
Yang Fang-She	Ecological restoration and soil improvement performance of the seabuckthorn flexible dam in the Pisha Sandstone area of Northwestern China
Abdul Wahid Jasra	Seabuckthorn-an ecosystem based adaptation strategy for arid mountain areas
1.10 PM	Chairman's remarks
1.15 PM	Lunch at dining hall, NASC Complex

Technical Session IIa: Cultivation technologies- Part I

Venue: A.P. Shinde auditorium, NASC complex

Chairperson: Bi Yang and D. K. Vatsa

Time: 11.40 AM-01.15 PM

Rapporteur: Venu Kaul

11.40 AM-12.00 Noon	Key note address: Bhuvnesh Kumar Research progress on seabuckthorn at defence institute of high altitude research
12.00 Noon onwards	
D. K. Vatsa	Status and scope of seabuckthorn fruit harvesting in Indian Himalayas
Longsheng Fu	Simulation of vibration harvesting mechanism for seabuckthorn
B S Mankotia	Studies on spatial requirement and weed management in establishing seabuckthorn (<i>Hippophae rhamnoides</i> ssp. <i>turkestanica</i> L.) plantations in Lahaul valley in Himachal Pradesh, India
J.P.Saini	Impact of N & P doses on the yield of improved forages grown alongwith Seabuckthorn (<i>Hippophae rhamnoides</i>) in dry temperate zones of Lahaul-Spiti, Himachal Himalayas
Bi Yang	Problems and strategies on harvesting of Seabuckthorn berries in China
1.10 PM	Chairman's remarks
1.15 PM	Lunch at dining hall, NASC Complex

Technical Session IIb: Cultivation technologies- Part II

Venue: A.P. Shinde auditorium, NASC complex

Chairpersons: Lu Rongsen and S.K. Dwivedi

Time: 02.00-05.00 PM

Rapporteur: Venu Kaul

02.00-2.20 PM	Key note address: Virendra Singh A model on "A value chain on seabuckthorn" for upscaling by developmental agencies in Himalayas
02.20 PM onwards	
Amjad Ali	Pollination biology in <i>Hippophae rhamnoides</i> L. growing in cold desert of Ladakh
B.C. Basistha	Frankia nodulation study of <i>Hippophae salicifolia</i> in riverine and non-riverine areas of Lachen valley in North Sikkim
Sanjai K. Dwivedi	Propagating seabuckthorn (<i>Hippophae rhamnoides</i> L.) through soft-wood cuttings
Stanisław Pluta	The possibility of seabuckthorn cultivation in Poland
R. K. Rana	Seabuckthorn (<i>Hippophae salicifolia</i> D. Don.): As a horticulture crop for cold desert area of Lahaul and Spiti district in Himachal Pradesh, India
03.30-03.50 PM	Tea break
L.K. Sharma	Experiences on Mass multiplication and systematic plantation

	of seabuckthorn in cold desert condition of Himachal Pradesh
Abhay Sharma	Role of Seabuckthorn in improvement of soil fertility in cold desert of Himalayas
Tsering Stobdan	Propagation and primary processing of seabuckthorn in Trans-Himalayan Ladakh, India
Pardeep Kumar	Management of Seabuckthorn (<i>Hippophae</i> spp.) diseases with organics in Lahaul valley-A dry temperate zone of Himachal Pradesh
V. P. Khanduri	Selection and propagation of <i>Hippophae salicifolia</i> in Uttarakhand Himalaya
S.S. Samant	Ecological Niche Modeling and identification of suitable areas for <i>Hippophae</i> species in Himachal Pradesh: Implications for conservation
05.00 PM	Chairman's remarks
07.00-08.30 PM	Cultural programme at A.P. Shinde Auditorium, NASC Complex
08.30 PM	Dinner at dining hall, NASC complex

Technical Session III: Genetic diversity & breeding

Venue: Committee room, NASC complex

Time: 02.00-05.00 PM

Chairpersons: S.N. Raina and G.S. Randhawa

Rapporteur: Netrapal Sharma

02.00-2.20 PM	Key note address: P.C. Sharma Seabuckthorn genomics research at Guru Gobind Singh Indraprastha University, New Delhi, India
02.20 PM onwards	
T. Shpitalnaya	Introduction research on seabuckthorn (<i>Hippophae rhamnoides</i> L.) in Belarus
Raju Soolanayakanahally	RNA-sequence analysis of Seabuckthorn (<i>Hippophae</i> spp.): <i>De novo</i> transcriptome assembly, functional annotation and identification of molecular markers
S.N.Raina	DNA markers as useful genetic markers for analysis of genetic diversity, taxon identification and phylogenetic relationships in <i>Hippophae</i> L.
Pratap Jyoti Handique	<i>Hippophae</i> genetic resources of North East India: Diversity, traditional uses and antioxidant potential
R. K. Rana	Seabuckthorn (<i>Hippophae salicifolia</i> D. Don.): As a horticulture crop for cold desert area of Lahaul and Spiti district in Himachal Pradesh, India
R. K. Rana	Selection of high yielding land races of seabuckthorn from wild seedling population of Lahaul and Spiti district of Himachal Pradesh, India
03.30-03.50 PM	Tea break
Hamid Ahani	Iranian Seabuckthorn (<i>Elaeagnus rhamnoides</i> (L.) A. Nelson) seed germination
Dechinlkhundev	Distribution and genetic resource of Mongolian natural wild

Oyungerel	Seabuckthorn (<i>Hippophae rhamnoides</i>)
Netrapal Sharma	Genetic divergence among seabuckthorn (<i>Hippophae</i> sps. L) using molecular marker based analysis with respect to seed protein and anti-oxidant properties
Hamid Ahani	DNA quality and quantity of Seabuckthorn (<i>Hippophae rhamnoides</i>) subspecies in Iran and China
Anil Kant	Cross-species application of female specific markers and Sex-Biased Gene Expression in Seabuckthorn
05.00 PM	Chairman's remarks
07.00-08.30 PM	Cultural programme at A.P. Shinde auditorium, NASC Complex
08.30 PM	Dinner at dining hall, NASC complex

Wednesday, November 25, 2015

Technical session IV: Phytochemistry

Venue: Committee room, NASC Complex

Time: 09.30 AM-01.15 PM

Chairpersons: A.K. Singh

Rapporteur: Jigni Mishra

09:30-09.50 AM	Key note address: A. Banerji Molecular characterizations and bioactivities of isolated seabuckthorn constituents
09.50 AM onwards	
Mr. Sukumar Purohit'	Physico-chemical characterization of pulp and seed oils of Seabuckthorn (<i>Hippophae salicifolia</i> D. Don) from Tawang district of Arunachal Pradesh, North Eastern India
A.Banerji	Application of seabuckthorn constituents for the green synthesis of nano materials
D. Acharya	Seabuckthorn- A rich source of bioactive tocopherols and tocotrienols
A. Sinha	Diversity characterization of seabuckthorn (<i>Hippophae</i> L.) resources from the Himalayas on biochemical basis
11.00-11.20 AM	Tea Break
Nathalia V.Goremyikina	Glyceride composition of seabuckthorn oil of Altai territory of Russia
Cheng-Jiang Ruan	Metabolic profiles of berry quality in Seabuckthorn (<i>Hippophae</i> L.) using untargeted GC-MS approach
Isis Von Ulardt	Effect of dehulling on chemical composition of seabuckthorn seed and its main constituents
Jigni Mishra	HPTLC Characterization of Phytoconstituents in seabuckthorn Leaves: A Comparative Study of Different Species
Ke Dong	Optimizing extraction technique of Ursolic Acid from Seabuckthorn by response surface methodology
1.10 PM	Chairman's remarks
1.15 PM	Lunch at dining hall, NASC Complex

Technical Session V: Medical research

Venue: A.P. Shinde auditorium, NASC Complex

Time: 09.30 AM-01.15 PM

Chairpersons: R.C. Sawhney & Baoru Yang

Rapporteur: Petra Larmo

09:30-09.50 AM	Key note address: Madhu Bala Himalayan seabuckthorn and radio-protection
09.50 AM onwards	
Petra Larmo	Seabuckthorn oil has beneficial effects on mucous membranes of intimate area in oral and topical applications
Yuki Kimura	Oral administration of Seabuckthorn (<i>Hippophae rhamnoides</i>) pulp oils restores tear secretion capacity in a mouse dry eye model
Nishat Anjum	Flavonoid constituents, total polyphenol and antioxidant efficacy of <i>Hippophae rhamnoides</i> L. Berries
G.P. Dubey	Neurogenic hyperhomocysteinemia associated with life style disorders- its prevention and management by Seabuckthorn (<i>Hippophae rhamnoides</i>)
Padma Gurmet	An introduction to rich medicinal uses of Seabuckthorn in Sowa-Rigpa (Tibetan Medicine)
Hua Chen	Composition, antioxidant and antiglycemic activity of flavonoids from defatted seabuckthorn seed residues
11.00-11.20 AM	Tea Break
Aliye Aras Perk	Investigating the antioxidant properties and Rutin content of Seabuckthorn (<i>Hippophae rhamnoides</i> L.) leaves and branches
Manju Sharma	Protective effect of Seabuckthorn (<i>Hippophae rhamnoides</i> L.) In STZ -Induced Lipid Peroxidation and β - cell damage in rat pancreas
Baoru Yang	Effects of Seabuckthorn juice and L-quebrachitol on type-2 diabetes mellitus in db/db mice
Priyanka Sharma	Future prospects of <i>Hippophae salicifolia</i> as a nutraceutical drug: An adaptogenic approach
M.Selvamuthukumaran	Effect of feeding of seabuckthorn products on assessment of liver and renal function in albino rat model
M. S. Yogendra Kumar	Application of enriched fraction of seabuckthorn (<i>Hippophae rhamnoides</i> L.) leaf extract as antimicrobial finish on technical textile
Shivapriya Shivakumar	Evaluation of neuroprotective effect of <i>Hippophae rhamnoides</i> L. in Human neural cell line IMR32 against stress induced cytotoxicity
1.10 PM	Chairman's remarks
1.15 PM	Lunch at Dining hall, NASC Complex

Technical Session VI: Processing technologies/ product development & trade

Venue: Committee room, NASC complex

Time: 02.00-05.00 PM

Chairpersons: Jörg-Thomas Moersel & Y.S. Dhaliwal

Rapporteur: Rakesh Sharma

02.00-2.20 PM	Key note address: Alphonsus Utioh Advancement in processing technologies of seabuckthorn fruit and leaves
02.20 PM onwards	
Y. S. Dhaliwal	Nutritional quality and acceptability of food products prepared from seabuckthorn berries (<i>Hippophae salicifolia</i>) grown in Lahaul valley of Himachal Pradesh
V.K. Sharma	Evaluation of efficacy of seabuckthorn leaves (<i>Hippophae</i> L.) as protein replacer in broiler (poultry) diet and its effect on cost of production
Galina Zvaigzne	Effect of processing techniques on Seabuckthorn juice and Seabuckthorn beverages
Jörg-Thomas Moersel	Comparison of biochemical properties of Seabuckthorn varieties of different origin
Bhavana Sharma	Extraction and purification of dual functioning AFPs from <i>Hippophae rhamnoides</i> seedling berry and leaf
Satish Kumar Sharma	Enrichment of health enhancing properties by use of Seabuckthorn (<i>Hippophae salicifolia</i>) pulp in preparation of sweet orange (<i>Citrus sinensis</i>) ready-to-serve beverage
Sheichenko Peprovna	Production and standardizing polyphenols of Seabuckthorn
03.30-03.50 PM	Tea break
R. Verma	Formulation and quality evaluation of seabuckthorn blended sand pear squash
S. M. Wani	Response surface methodology approach for optimizing extraction conditions for antioxidants from seabuckthorn leaf (<i>Hippophae rhamnoides</i> L.)
Rakesh Sharma	Development of functional wines from seabuckthorn (<i>Hippophae rhamnoides</i> L.) growing in dry regions of Indian Himalayas
Li Xiangjun	Market trends and promotion strategy research on seabuckthorn deep processing products
Sheng Wenjun	Optimization of Seabuckthorn Puree Sterilization Conditions by High Hydrostatic Pressure Processing and Its Effect on Antioxidant Ingredients
05.00 PM	Chairman's remarks
06.00-08.30 PM	Meeting of International Seabuckthorn Association (ISA) Venue: Committee Room, NASC complex
08.30 PM	Dinner at dining hall, NASC complex

Technical Session VII: Biomedical Research

Venue: A.P. Shinde auditorium, NASC complex

Time: 02.00-05.00 PM

Chairpersons: H. Kallio & D.C. Katoch

Rapporteur: Asheesh Gupta

02.00-2.20 PM	Key note address: Sashi Bala Singh Role of seabuckthorn in combating high altitude related health problems
02.20 PM onwards	
Asheesh Gupta	Wound Healing and Anti-Stress Prospective of Seabuckthorn (<i>H. rhamnoides</i> L.)
Anna Spiegel	In vitro and in vivo investigations of innovative natural cosmetic products, enriched with Seabuckthorn leaf extract
Geetha Suryakumar	Seabuckthorn (<i>Hippophae rhamnoides</i> L.) enhances hypoxic tolerance: Role of hypoxia responsive proteins
Mandeep Sharma	<i>in-vitro</i> and <i>in-vivo</i> microbiological studies revealed potential antimicrobial properties of seabuckthorn (<i>Hippophae</i> L.)
S.P. Tyagi	The comparative therapeutic efficacy of the combination of seabuckthorn seed oil and misoprostol or sucralfate in gastric ulcers and erosions in dogs
Amit Kumar	Synergistic efficacy of combination of seabuckthorn seed oil and famotidine or lansoprazole for treatment of gastric ulcers and erosions in dogs
Lilly Ganju	A potent Herbal agent for enhancing immunogenicity of Vaccines
03.30-03.50 PM	Tea break
D.S. Arya	Studies on cardioprotective role of seabuckthorn oil
Suchita Dubey	Evaluation of Anti-Cataract Potential of Seabuckthorn Leaf Extract
Gaurav Kumar Keshri	Seabuckthorn leaf extract imparts tolerance to acute hypobaric hypoxic in skeletal muscle of rats through differential activation of energy metabolism and endogenous antioxidants
C. Varshneya	Anti- diabetogenic potential of Seabuckthorn (<i>Hippophae rhamnoides</i>) leaves
Farhat Batool	Oral administration of seabuckthorn fruit extract attenuates repeated restraint-induced behavioral deficits and increases serotonergic metabolism in hypothalamus: Evidence for an antidepressant-like profile
Yumei Zhang	The effect of seabuckthorn fruit juice on the blood lipid regulation of fatty rats model
Ai Zhao	Seabuckthorn fruit with high level of quebrachitol on hyperlipidemia rats and the mechanism on inflammation factors
05.00 PM	Chairman's remarks
0600-08.30 PM	Meeting of International Seabuckthorn Association (ISA) Venue: Committee Room, NASC complex
08.30 PM	Dinner at Dining hall, NASC complex

Thursday, November 26, 2015

Technical Session VIII: Policy issues on Seabuckthorn

Venue: A.P. Shinde auditorium, NASC complex

Time: 09.30 AM-01.30 PM

Chairpersons: R.C. Sawhney & Virendra Singh

Rapporteur: Madhu Bala

09.30 AM -10.00 AM	Recommendations by Chairpersons of various technical sessions
10.00 AM-10.15 AM	Natalia Demidova -Seabuckthorn development and utilization in Russia
10.15 AM -10.30 AM	Xia Jingfang - Seabuckthorn development and utilization in China
10.30 AM -10.45 AM	Jörg-Thomas Moersel - Seabuckthorn development and utilization in Germany
10.45 AM -11.00 AM	Virendra Singh -Seabuckthorn development and utilization in India
11.00-11.30 AM	Tea break
- onwards	
11.30 AM-12.00 Noon	Panel Discussion on Reforms on policy issues to promote seabuckthorn development
12.00 Noon-12.45 PM	Speeches by Policy makers
12.45 PM-1.00 PM	Concluding remarks by Chairman
01.00-01.30 PM	Closing ceremony: <ul style="list-style-type: none">• Announcement of next conference by Tai Yuanlin• Statement by next host• Vote of thanks by Virendra Singh
01.30-02.15 PM	Lunch at dining hall, NASC Complex
3.30 PM	Visit of foreign delegates to Kingdom of Dreams etc., National Capital Region, Gurgaon

Note: November 27-29, 2015: Excursion tour of some foreign delegates to Jaipur-Agra or Leh (3 days) & back to Sidharth hotel/ NASC Complex, Delhi on 30th November at 5 PM & then to airport.