

Technical Programme of ISA 2015 Conference on Seabuckthorn, November 24-26, 2015, NASC Complex, Pusa, New Delhi

Registration: 3.00-7. 00 PM on 23 November 2015 at reception of A.P. Shinde Auditorium, NASC Complex Registration: 8:30-10:00 AM on 24 November 2015 at reception of A.P. Shinde Auditorium, NASC Complex						
10.00-11.00 AM Inaugural Ceremony		Venue: A.P. Shinde Auditorium, NASC Complex, New Delhi				
11.00-11.15 AM		Lead Lecture: Prof. H. Kallio				
11.15-11.30 AM		Tea				
Venue	Session	No.	Time/ Hour	Speaker	Title of Paper	
24 November 2015 A.P.SHINDE AUDITORIUM	Technical Session (I) COMBATING CLIMATE CANGE, CONSERVATION OF ENVIRONMENT AND RURALDEVELOPMENT	Chairman: Dr. An Baoli Co-chairman: Dr. Wilhelm Kruse Repporteur: Dr.T. Stobdan				
		11.30-11.45 AM (15 minutes)	An Baoli		The Ecological Practice in the Pisha Sandstone areas by planting Seabuckthorn (Key Note address)	
		Invited Lectures				
		1.	11.45 AM	Wilhelm Kruse		Seabuckthorn (SBT)-An alternative plant for high mountain agribusiness and livelihood improvement in Central Asian countries-actual situation and future prospects
		2.		R.K.Maikhuri		Seabuckthorn: An underutilized resource for the nutritional security and livelihood improvement of higher Himalaya rural communities in Uttarakhand
		3.		S.S. Samant		Ecological Niche Modeling and identification of suitable areas for <i>Hippophae</i> species in Himachal Pradesh: Implications for conservation
		4.		AR Khan		Impact of training programmes on the adoption level of seabuckthorn cultivation in Lahaul and Spiti district of Himachal Pradesh, India
		5.		Abhay Sharma		Role of Seabuckthorn in improvement of soil fertility in cold desert of Himalayas
		6.		Ghulam Nabi Shigri		Seabuckthorn becoming a major contributor to climate improvement and & women empowerment in Gilgit Baltistan
		7.		Yang Fang-She		Ecological restoration and soil improvement performance of the seabuckthorn flexible dam in the Pisha Sandstone area of Northwestern China
		8.		Abdul Wahid Jasra		Seabuckthorn-an ecosystem based adaptation strategy for arid mountain areas
		9.		Xia Jingfang		The Exploration and Practice on Seabuckthorn Ecological Construction and Industry Development of China in Recent Years
			1.00 PM	Discussions and Chairman's remarks		
1.00-2.00 PM		LUNCH				

		Chairman: Prof.Lu Rongsen	Co-chairman: Prof. Virendra Singh	Reporteur: Dr. Venu Kaul
		Invited Lectures		
	1.	2:00 PM	Amjad Ali	Pollination biology in <i>Hippophae rhamnoides</i> L. growing in cold desert of Ladakh
	2.		B.C. Basistha	Frankia nodulation study of <i>Hippophae salicifolia</i> in riverine and non-riverine areas of Lachen valley in North Sikkim
	3.		Sanjai K. Dwivedi	Propagating seabuckthorn (<i>Hippophae rhamnoides</i> L.) through soft-wood cuttings
	4.		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
	5.		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
	6.		L.K. Sharma	Experiences on Mass multiplication and systematic plantation of seabuckthorn in cold desert condition of Himachal Pradesh
	7.		Tsering Stobdan	Propagation and primary processing of seabuckthorn in Trans-Himalayan Ladakh, India
	8.		Pardeep Kumar	Management of Seabuckthorn (<i>Hippophae</i> spp.) diseases with organics in Lahaul valley-A dry temperate zone of Himachal Pradesh
	9.		V. P. Khanduri	Selection and propagation of <i>Hippophae salicifolia</i> in Uttarakhand Himalaya
	10.		Stanislaw Pluta	The possibility of seabuckthorn cultivation in Poland
	11.		Hamid Ahani	Iranian Seabuckthorn (<i>Elaeagnus rhamnoides</i> (L.) A. Nelson) seed germination
	12.		D. K. Vatsa	Status and scope of seabuckthorn fruit harvesting in Indian Himalayas
	13.		Longsheng Fu	Simulation of vibration harvesting mechanism for seabuckthorn
	14.		Galitsyn George	Cultivation methods of Seabuckthorn for mechanical harvesting and complex processing
	15.		Bi Yang	Problems and strategies on harvesting of Seabuckthorn berries in China
		5:00 PM	Discussion and Chairman's remarks	
		5:00 - 5:30 PM	Tea	
		7-8 PM	Cultural Programme	

		9:00 PM	DINNER	Dining Hall
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24 November 2015	COMMITTEE ROOM	Venue	Session	No.	Time/ Hour	Speaker	Title of Paper	
				Chairman: Prof. P.C.Sharma		Co-Chairman: Dr. Raju Soolanayakanahally		Reporteur: Dr. Netrapal Sharma
					2:00PM (15 minutes)	P. C. Sharma	Seabuckthorn genomics research at Guru Gobind Singh Indraprastha University, New Delhi, India (Key Note address)	
				Invited Lectures				
				1.	2:15 PM	Natalia Demidova	Genetic variation in growth characters of <i>Hippophae rhamnoides</i> L. grown in controlled conditions	
				2.		T. Shpitalnaya	Introduction research on seabuckthorn (<i>Hippophae rhamnoides</i> L.) in Belarus	
				3.		Raju Soolanayakanahally	RNA-sequence analysis of Seabuckthorn (<i>Hippophae spp.</i>): <i>De novo</i> transcriptome assembly, functional annotation and identification of molecular markers	
				4.		S.N.Raina	DNA markers as useful genetic markers for analysis of genetic diversity, taxon identification and phylogenetic relationships in <i>Hippophae</i> L.	
				5.		Dr.Vladislav Kodrashov	New Don Seabuckthorn cultivars for Vitamin industry and soil improvement	
				6.		R. K. Rana	Selection of high yielding land races of seabuckthorn from wild seedling population of Lahaul and Spiti district of Himachal Pradesh, India	
				7.		Asad Hussain Shah	Seabuckthorn research and development in Azad Jammu and Kashmir, Pakistan	
				8.		Dechinkhunde Oyungerel	Distribution and genetic resource of Mongolian natural wild Seabuckthorn (<i>Hippophae rhamnoides</i>)	
				9.		Netrapal Sharma	Genetic divergence among seabuckthorn (<i>Hippophae sps.</i> L) using molecular marker based analysis with respect to seed protein and anti-oxidant properties	
		10.		Hamid Ahani	DNA quality and quantity of Seabuckthorn (<i>Hippophae rhamnoides</i>) subspecies in Iran and China			
			5:00 PM	Discussions and Chairman's remarks				
			5:00 - 5:30 PM	Tea				

		7-8 PM	Cultural Programme			
		9 PM	Dinner	Dining Hall		
Technical Session (IV) 25 November 2015	PHYTOCHEMISTRY	Chairman: Dr. H.Kallio			Co-Chairman: Dr. B. Yang	
					Reporteur: Ms. Jigni Mishra	
		9:00-9.15 AM (15 minutes)	A. Banerji	Molecular Characterizations and Bioactivities of Isolated Seabuckthorn Constituents (Key Note address)		
		Invited Lectures				
		1.	9:15 AM	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	
		2.		S. Bayaraa	Dynamic study of some biological active compounds in seabuckthorn berries	
		3.		Chinchu Bose	Application of seabuckthorn constituents for the green synthesis of nano materials	
		4.		D. Acharya	Seabuckthorn- A rich source of bioactive tocopherols and tocotrienols	
		5.		Nathalia V.Goremyikina	Glyceride composition of seabuckthorn oil of Altai territory of Russia	
		6.		Cheng-Jiang Ruan	Metabolic profiles of berry quality in Seabuckthorn (<i>Hippophae</i> L.) using untargeted GC-MS approach	
		7.		Dr. Jörg-Thomas Möersel	Comparison of biochemical properties of Seabuckthorn varieties of different origin	
8.		Isis Von Ulardt	Effect of dehulling on chemical composition of Seabuckthorn seed and its main constituents			
9.		Jigni Mishra	HPTLC Characterization of Phytoconstituents in Seabuckthorn Leaves: A Comparative Study of Different Species			
	1:00 PM	Discussions and Chairman's remarks				
		Tea at 11 AM				
Technical Session (V)	PROCESSING TECHNOLOGIES/	25 November 2015				
		Chairman: Dr. Jörg-Thomas Möersel		Co-Chairman: Dr. Alphonsus Utioh		
				Reporteur: Dr. R. Verma		
	9:00-9.15 AM (15 minutes)	Prof. Alphonsus Utioh	Advancement in processing technologies of seabuckthorn fruit and leaves (Key Note address)			
	Invited Lectures					

			1.	9:15 AM	Ke Dong	Optimizing extraction technique of Ursolic Acid from Seabuckthorn by response surface methodology
			2.		Alphonsus Utioh	Extraction of cold pressed Seabuckthorn seed oil
			3.		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
			4.		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
			5.		Galina Zvaigzne	Effect of processing techniques on Seabuckthorn juice and Seabuckthorn beverages
			6.		Bhavana Sharma	Extraction and purification of dual functioning AFPs from <i>Hippophae rhamnoides</i> seedling berry and leaf
			7.		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
			8.		Sheichenko Peprovna	Production and standardizing polyphenols of Seabuckthorn
			9.		R. Verma	Formulation and quality evaluation of seabuckthorn blended sand pear squash
			10.		S. M. Wani	Response surface methodology approach for optimizing extraction conditions for antioxidants from seabuckthorn leaf (<i>Hippophae rhamnoides</i> L.)
			11.		Rakesh Sharma	Development of functional wines from seabuckthorn (<i>Hippophae rhamnoides</i> L.) growing in dry regions of Indian Himalayas
			12.		Li Xiangjun	Market trends and promotion strategy research on seabuckthorn deep processing products
			13.		Sheng Wenjun	Optimization of Seabuckthorn Puree Sterilization Conditions by High Hydrostatic Pressure Processing and Its Effect on Antioxidant Ingredients
				1:00 PM	Discussions and Chairman's remarks	
				1-2 PM	Lunch	Dinning Hall

Venue	Sessions	No.	Time/ Hour	Speaker	Title of Paper	
25 November 2015 A.P.SHINDE AUDITORIUM	Technical Session (VI) MEDICAL RESEARCH	Chairman: Prof. H. Kallio Co-chairman: Dr. R.C.Sawhney Repporteur: Dr. Petra Larmo				
			2:00-2.15 PM (15 minutes)		Dr. Sashi Bala Singh	Role of seabuckthorn in combating high altitude related health problems (Key Note address)
		1.	2:15 PM		Petra Larmo	Seabuckthorn oil has beneficial effects on mucous membranes of intimate area in oral and topical applications
		2.			D.S.Arya	Studies on cardioprotective role of seabuckthorn oil
		3.			Yuki Kimura	Oral administration of Seabuckthorn (<i>Hippophae rhamnoides</i>) pulp oils restores tear secretion capacity in a mouse dry eye model
		4.			Nishat Anjum	Flavonoid constituents, total polyphenol and antioxidant efficacy of <i>Hippophae rhamnoides</i> L. Berries
		5.			G.P. Dubey	Neurogenic hyperhomocysteinemia associated with life style disorders- its prevention and management by Seabuckthorn (<i>Hippophae rhamnoides</i>)
		6.			Renu Deswal	Exploring crop improvement and biotechnological potential of Seabuckthorn Antifreeze proteins
		7.			Padma Gurmet	An introduction to rich medicinal uses of Seabuckthorn in Sowa-Rigpa (Tibetan Medicine)
		8.			Pratap Jyoti Handique	<i>Hippophae</i> genetic resources of North East India: diversity, traditional uses and antioxidant potential
		9.			Hua Chen	Composition, antioxidant and antiglycemic activity of flavonoids from defatted seabuckthorn seed residues
		10.			Amit Kumar	Synergistic efficacy of combination of seabuckthron seed oil and famotidine or lansoprazole for treatment of gastric ulcers and erosions in dogs
		11.			Aliye Aras Perk	Investigating the antioxidant properties and Rutin content of Seabuckthorn (<i>Hippophae rhamnoides</i> L.) leaves and branches
		12.			Manju Sharma	Protective effect of Seabuckthorn (<i>Hippophae rhamnoides</i> L.) In STZ -Induced Lipid Peroxidation and - cell damage in rat pancreas
		13.			Priyanka Sharma	Future prospects of Hippophae salicifolia as a nutraceutical drug: An adaptogenic approach
		14.			Shivapriya Shivakumar	Evaluation of neuroprotective effect of <i>Hippophae rhamnoides</i> L. in Human neural cell line IMR32 against stress induced cytotoxicity
		15.			Asheesh Gupta	Wound Healing and Anti-Stress Prospective of Seabuckthorn (<i>H. rhamnoides</i> L.)
16.			Anna Spiegel	In vitro and in vivo investigations of innovative natural cosmetic products, enriched with Seabuckthorn leaf extract		
17.			Geetha Suryakumar	Seabuckthorn (<i>Hippophae rhamnoides</i> L.) enhances hypoxic tolerance: Role of hypoxia responsive proteins		

		18.	Sheichenko Olga Pevrovna	Green grassy shoots cuttings of Seabuckthorn for cultivation of prospective varieties of plants for tannins production		
		19.	Mandeep Sharma	<i>in-vitro</i> and <i>in-vivo</i> microbiological studies revealed potential antimicrobial properties of seabuckthorn (<i>Hippophae</i> L.)		
		20.	S.P. Tyagi	The comparative therapeutic efficacy of the combination of seabuckthorn seed oil and misoprostol or fate in gastric ulcers and erosions in dogs		
		21.	Baoru Yang	Effects of Seabuckthorn juice and L-quebrachitol on type-2 diabetes mellitus in db/db mice		
		22.	Suchita Dubey	Evaluation of Anti-Cataract Potential of Seabuckthorn Leaf Extract		
		23.	Mr. 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		
		24.	Madhu Bala	Seabuckthorn leaf extract counters jejunum pathology in whole body ⁶⁰ Cobalt-gamma-irradiated mice-A study on tissue histology and microbiota towards development of safe and non-toxic radiation countermeasure		
		25.	M. S. Yogendra Kumar	Application of enriched fraction of seabuckthorn (<i>Hippophae rhamnoides</i> L.) leaf extract as antimicrobial finish on technical textile		
		26.	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		
		27.	Yumei Zhang	The effect of seabuckthorn fruit juice on the blood lipid regulation of fatty rats model		
		28.	Ai Zhao	Seabuckthorn fruit with high level of quebrachitol on hyperlipidemia rats and the mechanism on inflammation factors		
			5.30 PM	Discussions and Chairman's remarks		
			5.30-6.00 Tea	Tea		
	7.00-8.00 PM	Cultural Programme	A.P. Shinde Auditorium, NASC Complex			
	9 PM	Dinner	Dining Hall			
26 November 2015	A.P.SHINDE AUDITORIUM	Technical Session (VII): Policy Issues on Seabuckthorn				
		9-00 AM-1.00 PM	Chairman:	Co-Chairman:	Repporteur:	
		9-00-10.00 AM	PPPs of recommendations by Chairman of various technical sessions			
		10.00-10.15 AM	Prof. Natalia Demidova- Seabuckthorn development and utilization in Russia			
		10.15-10.30 AM	Ms. Xia Jingfang- Seabuckthorn development and utilization in China			
		10.30-10.45 AM	Prof. Jörg-Thomas Möersel- Seabuckthorn development and utilization in Germany			
		10.45-11.00 AM	Prof. Virendra Singh- Seabuckthorn development and utilization in India			
		11.00-11.15 AM	Tea			
		11.15 AM-12.45 PM	Speeches by Policy makers			
		12.45-1.30 PM	Closing Ceremony			

		1.30-2.30 PM	Lunch	Dinning Hall
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Note: Technical programme is subject to change till the conclusion of the conference.