10th Asian International Conference on Leather Science and Technology Scientific Program (first version)

November 24, 2014

Keynote Lecture

No.	Title	Authors
K-1	Sustaining the global leather industry	Anthony Covington
K-2	Leather: genuine, good, beautiful - Europe's leather quest for sustainability	Gustavo Gonzalez-Quijano

Oral Session 1

No.	Title	Authors	
O-1	Inverse chrome tanning technology based on wet	Siwei Cai, Bi Shi, Wenhua Zhang, Yunhang	
	white tanned by Al-Zr complex tanning agent	Zeng, Ya-nan Wang	
O-2	Turning to nature for stabilization of skin protein	Victor John Sundar, Chellappa	
		Muralidharan, Asit Baran Mandal	
O-3	Development of cleaner unhairing process	Valeika Virgilijus, Beleska Kestutis, Justa	
		Sirvaityte and Violeta Valeikiene	

Oral Session 2

No.	Title	Authors
O-4	Reliable and environmentally friendly enzymatic unhairing with low amounts of sulfide	Daniel Herta, Jürgen Christner, Jan-Tiest Pelckmans and Jens Fennen
O-5	Chemical free enzyme based unhairing	Saravanan Palanivel, Kamini Numbi Ramudu, Gowthaman Marichetti Kuppuswamy
O-6	Application of horse chestnut saponin Aescin as degreasing agent	Gökhan Zengin, Eylem Kılıç, Arife Candaş Adıgüzel Zengin
O-7	Sustainability and environmental footprints - A way forward in the leather market	Yu Mei, Gerhard Wolf
O-8	Uncertainty in the environmental studies for the leather chain: a scenario approach for the proper selection of the analysis type	Federico Brugnoli, Carlo Brondi, Federico Fragassi
O-9	Acceleration of mass transfer in leather processing	Vera Radnaeva
O-10	A success story on the impact of safety environment pollution of the leather industries to food chain in Bangladesh	Marjjuk Ahmed
O-11	Role of institutions and policies in sustainable growth of leather industry in India	Sandeep Kumar Guptaa and Sanjeev Gupta

Oral Session 3

No.	Title	Authors
O-12	A case study on the sustainability strategies of some	Sandeep Kumar Gupta, and Uday S.
0-12	leading firms in the Indian leather industry	Racherla
O-13	Is sustainability a problem for leather industry?	Thanikaivelan Palanisamy
O-14	"Green" technologies for leather and fur industry	Dmitry Shalbuev
O-15	Green technology for leather manufacturing: Combined	A.E Musa, G.A. Gasmelseed
0 13	organic tanning based on garad and glutaraldehyde	71.12 iviusu, G.71. Gusineiseed
	An environmentally-friendly approach for wet white	Jiabo Shi, Keshuai Ren, Changdao Mu,
O-16	leather manufacture with tannic acid - laponite	Wei Lin
	combination tannage	WOI EM

O-17	Clean tanning technologies based on chrome-free	Zhang Jing, Li Jing, Shi Bi, Li Bin, Yan
0-17	tanning agent TWT	Lan
O-18	A non-pickling and high chromium-exhaustion tanning method	Chunxiao Zhang, Biyu Peng
O-19	New application of tingi (<i>ceriops tagal</i>) bark powder to an barramundi (<i>lates calcarifer</i>) fish skin an alternative vegetable tanning material	Kasmudjiastuti Emiliana, Setiya Murti Rihastiwi, Budi Susanto Heru
O-20	Dialdehyde cellulose: A bi-functional crosslinking macromolecule for Type I collagen	Swarna V Kanth, Krithika V Kanth, Gladstone Christopher Jayakumar, Usharani Nagarajan, Jonnalagadda Raghava Rao

November 25, 2014 AICLST Lecture

No.	Title	Authors
A-1	Current status and superiority of JAPAN ECO LEATHER	Masami Sugita
A-2	Growth of leather sector and recent environmental development in Asian countries	S.Rajamani, Keiji Yoshimura

Oral Session 4

No.	Title	Authors
O-21	Rationalized method to enhance chromium uptake: Nanocomposites as novel less chrome tanning auxiliaries for chrome tanning	Bin Lv, Min Liu, Jianzhong Ma, Dangge Gao
O-22	CLEANTAN: Zero sewage water chrome tanning intensified by CO ₂	Manfred Renner, Eckhard Weidner, Helmut Geihsler
O-23	Chrome-reduced tanning technology for cleaner dyed sheep skin processing	Wei Ding, Xuede Zhang, Ya-nan Wang, Bi Shi, Mingrong Cao
O-24	Study on performance of non-chrome tanning hyperbranched polymer with terminal carboxyl groups-Al complex tanning agent	Taotao Qiang , Xin Gao, Xiaoke Chen , Longfang Ren
O-25	Application of epoxy resin with carboxyl group in leather tanning process	Dangge Gao, Rui Li, Bin Lv, Jianzhong Ma, Jing Wei
O-26	Ionic liquids as new age material for collagen stabilization: Bane or Boon?	N Nishad Fathima, Ami Mehta, J Raghava Rao, B U Nair
O-27	Structural investigation of African camel hides and its suitability for leather and leather products	Belay Meles, Aravindhan Rathinam, Karthikeyan Rajan, Ganamani
O-28	Adsorption of anionic dye from aqueous solution by chemically modified collagen fiber: Equilibrium, kinetic, and thermodynamics study	Xuechuan Wang, Feifei Zhang

Oral Session 5

Orarb	oral dession 5		
No.	Title	Authors	
O-29	The future in retanning; new products based on	Dr. Dietrich Tegtmeyer, Christopher	
U-29	biopolymers	Tysoe, Matthias Bley	
0.20	Preparation and application of retanning agent from	James Kanagaraj, Thamizharasan	
O-30	raw-trimming wastes	Senthilvelan, Rames Chandra Panda	
	Preparation of fibrous SO ₄ ²⁻ /TiO ₂ -Al ₂ O ₃ solid acid	Yonglan Cheng, Wenhua Zhang, Xuepin	
O-31	using collagen fiber as template and its catalytic	Liao, Bi Shi	
	activity in the dehydration of fructose	Liao, Bi Sili	
O-32	Study on the molecular control technology of collagen	Pang Xiaoyan Ding Zhiwen Zhang	
0-32	protein extracted from leather shavings	Huijie	

O-33	Stabilization of collagen through functionalized ZnO Nanorods	Vedhanayagam Mohan, Usha Ramamurthy, Kalarical Janardhanan Sreeram, Balachandran Unni Nair
O-34	A novel collagen cryogel based on non-covalent modification with tea polyphenol	Huan Tan, Wei Lin, Changdao Mu
O-35	Comparative assessment of greenhouse gas emissions and energy consumption of biodiesel from fleshings and petroleum diesel	Eylem Kılıç, Rita Puig, Grau Baquero, Gökhan Zengin
O-36	Impact of typical surfactants on the collagenolytic and elastolytic activities of proteases	Yanhong Li, Chunxiao Zhang, Jinxia Du, Biyu Peng

Oral Session 6

	CSSIOII U	
No.	Title	Authors
O-37	The influence of dye on degradation of tannins by white rot fungus	Yanchun Li, Xin Xue, Liwen Zheng
O-38	Bioremediation and biodegrading of wet blue leather with different cladosporium species	Eser Eke Bayramoğlu, Claudia Florio, Gianluigi Calvanese
O-39	A concept of modern tannery wastewater treatment	Wolfram Scholz
O-40	Eco-friendly technology for enhancing water economy in leather processing	Jonnalagadda Raghava Rao, Gladstone Christopher Jayakumar, Kalarical Janardhanan Sreeram, Balachandran Unni Nair
O-41	A study on the degradation of phenolic syntan and melamine syntan in tannery wet-finishing wastewater using electro-oxidation and advanced oxidation techniques	S. Sundarapandiyan, G. Bhaskar Raju, P. Saravanan, and B. Chandrasekaran
O-42	Innovative leather processing for elimination of end-of-pipe treatment: Kinetic - Control-Variable (KCV) a new approach	Kandukalpatti C Velappan
O-43	Study on preparation of terminal amino hyperbranched polymer and its adsorption on Cr(VI)	Taotao Qiang, Xiaoning Li, Qiaoqiao Bu, Longfang Ren
O-44	Approach to efficient bating and degreasing for wet blue: Multi-enzyme system	Dangge Gaoa, Xueyan Houa, Jianzhong Ma, Bin Lv
O-45	The effective usage of dyestuff for nubuck leather	Shiu-Fu Liang, Yun-Tai Yeh, Yu-Yi Lin, Chun-Chu Yeh, Chao-Hsi Cheng, Ching-Fang Chen, Chih-Hung Yu

November 26, 2014 Oral Session 7

No.	Title	Authors
O-46	Synthesis and application of multiterminal alkenyl polymers	Xuechuan Wang, Ting Zhang
O-47	Modification of waterborne polycarbonate urethane coating agent using carbon nanotubes	Yanqing Wang, Bunshi Fugetsu, Quanjie Wang
O-48	Effects of stress state while dried on leather mechanical properties	Tang Keyong, Wang Fang, Du Jing, Zhao Kang
O-49	Structure changes of collagen and leather by shrinkage	Pengyuan Yang, Yuxuan Qiao, Keyong Tang, Pengxiang Jia
O-50	Comparative measurement of hexavalent chromium for chrome-tanned leather by extracting at acidic conditions with that by alkaline extraction	Koki Ogata, Yuki Kumazawa, Yoichi Koyama, Keiji Yoshimura, and Koji Takahashi

Oral Session 8

0 2 002 20	O'ld Sephion o		
No.	Title	Authors	
O-51	Considerations on the test methods currently applied to measure fogging and haze on automotive upholstery leather	Dr. Patricia Casey, Tech. Pablo Pignatelli, Tech. Leonardo Pileggi	
O-52	DNA Extraction from leather in several ways	Kazuya Takase, Mariko Terashima, Keiji Yoshimura	
O-53	Construct the wet blue (WB) Input-Mix Model of leather industry with activity-based benefit assessment approach	Mei-Fang Wu, Feng-Tcheng Cheng, Pei-En Huang	
O-54	Identifying human resource innovations to nurture innovative climate in research and development organization dedicated to leather and allied sciences	Kanimozhi B, Vinodh Kumar M, Swarna V Kanth, Thiruvenkadam T, Geethalakshmi Balaji	
O-55	Effect of carrying school backpacks on gait parameters changes in Chinese elementary students of Sichuan area	Zhou Nan, Chen Wuyong, Zhou Jin, Yang Luming, Hu Caibo, Zhou Lichang	

Poster Session

No.	Title	Authors
P-1	Novel gelatin-cellulose composite hydrogels for	Ying Pei, Yuhui Li, Shuqi Liu, Xuejing
	removing organic dyes from wastewater	Zheng, Jie Liu, Keyong Tang
P-2	Influence of masking agents on zinc tanning process	Shan Cao, Baozhen Cheng
P-3	An approach to save electricity in small-scale tanners	Hisayoshi Shiozaki, Hirohiko Washiya,
1-3		Kenji Itho and Masami Sugita
	In-situ polymerization of aniline for spontaneous colouration and electrical conductivity in leathers	Wegene Demisie Jima, Thanikaivelan
P-4		Palanisamy, Krishnaraj Kaliappa, Phebe
		Kavati, Chandrasekaran Bangaru
P-5	Rapid determination of four isothiazolinones in	Lingyun Yu, Mengru Wu, Wei Dong, Wei
	leathers by ultra performance liquid chromatography	Lin
	Innovative approach for human resource development	Krishnaraj. K, Suresh kumar. PS, Phebe
P-6	in leather goods design and making using modern	Aaron. K, Aranganathan. M,
	Information technology tools	Sathiamoorthy. G and Chandrasekaran. B
D 7	eGov_SD_eSTEM for environmental issues and	
P-7	management for an industry at national and	Latha Anantharaman
	international level	NINT 1 IE 4' A 'NO 1
P-8	Determination of n-methyl-2-pyrrolidone (NMP) in	N Nishad Fathima, Ami Mehta, J Raghava
	leather by gas chromatograph-mass spectrometer A novel approach for synthesis of anti-fouling	Rao, B U Nair
P-9	polyurethane coating containing zwitterions	Chunhua Wang, Changdao Mu, Wei Lin
	The Preparation of modified graphene / waterborne	
P-10	polyurethane composites and the application on the	Xiaomin Luo, Peng Zhang, Rui Liu
1-10	synthetic leather as electromagnetic shielding coating	Alaonini Luo, i eng Zhang, Kui Liu
	The study of preparation and properties of UV-curing	
P-11	nano- SiO_2 / waterborne polyurethane composite films	Xiaomin Luo, Rui Liu, Peng Zhang
	Application of collagenase inhibitors on enzymatic	Haiming Cheng, Min Chen, Xiaohong Xu,
P-12	unhairing process	Zhiqiang Li
	•	Carmen Gaidau, Aurora Petica, Madalina
P-13	Innovative materials for smart properties on leather	Fleancu, Madalina Popescu, Roxana
	surface	Mioara Piticescu
P-14	Use of collagen hydrolysate for cereal seed treatment	Doru Gabriel Epure, Carmen Gaidau,
		Mihaela Niculescu, Emil Stepan, Lenuta
		Iuliana Epure, and Mihai Gidea
P-15	Preparation of ampholytic retanning agent using hide	•
	collagen protein	Chen Yongfang, Ding Zhiwen

P-16	Study on the effect of commonly used surfactants on down	Taotao Qiang, Juan Li
P-17	The influence of dendritic-linear poly(amido)amine surface groups on the properties of wet blue leather	Xuechuan Wang, Yuanyuan Qin, Haijun Wang ,Taotao Qiang
P-18	Effect of hydrophilic chain extenders on film properties of hyperbranched waterborne polyurethane leather finishing agents	Xuechuan Wang, Jing Ren
P-19	Dyeing properties of polyurethane blending film modified with hyperbranched polymer	Longfang Ren, Na Wang
P-20	Synthesis and properties of dendritic waterborne polyurethane leather finishing agent based on Castor oil and PCDL	Longfang Ren, Zidong Guo
P-21	Study on the synthesis and application of colored polyurethane finishing agent	Zhang Yue, Pang Xiao-yan, Ding Zhi-wen, Qiang Xihuai
P-22	The simultaneous bioremoval of chromium and dye by immobilized phanerochaete chrysosporium	Yanchun Li, Liwen Zheng, Yuping Li, Jun Dong
P-23	Synthesis and application of a new nanocomposite as flame retardant of leather	Bo Li, Jiaxun Li, Yuanping Jiang and Lixin Li1
P-24	Nano zinc oxide as an antibacterial agent in leather finishing formulation	Barkat Ali Solangi, Beena Zehra and Hafiz Rub Nawaz
P-25	Development of quantitative evaluation method of hair follicle patterns for identification of leather materials (animal species)	Satoru Dohshi
P-26	Dyeing technology to a small lot and a wide variety kinds order (2)	Makoto Matsumoto
P-27	Preparation and property study of silica aerogels modified waterborne polyurethane thermal insulation film	Xiaomin Luo,Binghui Ge, Xiongxiong Wang
P-28	Impact of hydrophobic monomers with different chain length on the waterproofing and filling performances of amphiphilic acrylate copolymers	Jinxia Du, Biyu Peng
P-29	Synergistic effect of aluminum hydroxide and encapsulated red phosphorus on the flame retardancy of waterborne polyurethane synthetic leather	Xiaomin Luo, Min Cao
P-30	A theoretical study on binding sites of collage with chromium	Weimo Han, Wenhua Zhang, Bi Shi1, Mingrong Cao, Xuepin Liao
P-31	Novel Masked waterborne polyurethanes for leather tanning	Jie Liu, Haojun Fan, Yi Chen
P-32	1-butyl-3-methylimidazolium acetate as an alternative solvent for type i collagen	Jie Liu, Yi Chen, Haojun Fan
P-33	Intelligent leathers and innovative products: Chameleon effect based smart leather finishes	S. Sumithra, Vellapan Brindha, Swarna V Kanth, Malathy Jawahar and B. Chandrasekaran
P-34	Reduction of skin disorders with formaldehyde from leather product in consumption stage	Daisuke Murai
P-35	Leather and Ethnic Textile combination products: An ecofriendly approach towards leather product design and its socio-economic impact	Kattaiya Karthikeyan, Kaliappa Krishnaraj, Bangaru Chandrasekaran, and Asit Baran Mandal
P-36	Removal and reuse of chromium from tanning wastewater	Bianca Mella, Ana Cláudia Glanert, Mariliz Gutterres
P-37	Role of magnetite immobilized enzymes in leather processing	Gunavadhi Murugappan, Gladstone Christopher Jayakumar, Yasmin Khambhaty, Kalarical Janardhanan Sreeram, Jonnalagadda Raghava Rao, Balachandran Unni Nair

		Alegumythy Tomil Calvi D. Edith
D 20	Eco-friendly fungicidal compounds from bixa orellana	Alagumuthu Tamil Selvi, B. Edith
P-38	leave extract and its leather application	Hephzibah, T. Keerthi, B.Madhan,
		Swarna V Kanth
P-39	Studies on antifungal activity of lemon peel extract for	A.Tamil Selvi, K.Phebe Aaron, S.Mythili,
	leather application	Swarna V Kanth, B.Chandrasekaran
D 40		Alagumuthu Tamilselvi, V. Brindha,
P-40	Phyto preservation of goat skin	N.Vedaraman, J. Kanagaraj, V. John
	XXX	Sunder
D 41	Water vapor permeability behavior of polyacrylate /	Yan Bao, Yongqiang Yang, Jianzhong
P-41	mesoporous hollow silica composite leather finishing	Ma, Bozheng Liu
	agent	
	Studies on usage of slaughterhouse by-product:	Aravindhan Rathinam, Abhinandan
P-42	characterization and utilization of skins from animal	Kumar and Chandra Babu Narasimhan
	legs	Kannan
P-43	Collagen fibers by air gap wet spinning	Osamu Harada, Masahiro Doi, and
1 10	Conagen needs by an gap wet spinning	Ryohei Fukae
	Application of proteases of wheat bran as a bating	José Martegani, Germán Mazzilli, Natalia
P-44	agent for goat leather processing	Scelsio, Alfonsina Bonfraceschi Barros,
		Alejandro Markán y Laura M. I. López
P-45	Automatic identification of leather defects using	Malathy Jawahar, Mohamed M Ismail,
1 43	wavelet feature extraction technique	N.K. Chandra Babu
P-46	Studies on the enhancement of lightfastness of	Mr. Vinodhkumar M, Dr. Kanagaraj J,
1 -40	vegetable tanned leathers	Mr. Arunkumar V, Mr. Sathishkumar M
		Mariliz Gutterres, Juliana Tolfo, Jaqueline
P-47	Characterization of raw wastewater from tanneries	Benvenutti, Carolina Gomes, Santiago
		Ortiz, Veranis dos Santos
D 49	Design innovation in footwear – A prime concern for	S.Mathivanan, R.Mohan, Gautham
P-48	human foot health conditions	Gopalakrishna, and B.N.Das,
P-49	Effect of power ultrasound on the activity and	Zhi-Long Yu, Wei-Cai Zeng, Wen-Hua
Г-49	conformation of papain	Zhang, Xue-Pin Liao, Bi Shi
P-50	A theoretical study on binding sites of collage with	Weimo Han, Wenhua Zhang, Bi Shi,
1-50	chromium	Mingrong Cao
P-51	Concept mapping on by_product utilization	Latha Anantharaman
D 50	Leather jacket comfort levels in a 25 °C and 65% RH	Yumiko Tsunoda, Asami Miki, and
P-52	environment	Asami Ishikawa
D 50	The exploration of chestnut thorns shell extracts	M.M. Zhang, Q.J. Wang, X.J. Liu, B.R.
P-53	applying to tanning raw skins	Duan, W.B. Zhang C.Y. Zhao, A.R. Wang
		Karthikeyan Rajan, Kavitha Pradeep,
P-54	New trends in the recovery and utilization of high	Chandra Babu Narasimhan Kannan,
	value products from keratinous wastes	Berhanu Assefa
		Usharani Nagarajan, Gladstone
P-55	A Microscopic evaluation of collagen-bile pigment	Christopher Jayakumar, Bangaru
	interactions: In vitro surface phenomenon	Chandrasekaran
	Molecular insight of non enzymatic glycosylation of	
P-56	collagen-Therapeutic perspective of dietary	Gladstone Christopher Jayakumar
	carbohydrates	and the state of t
F	Effect of gelatin content on the structure and drug	T. C. D. W. V
P-57	release of gelatin/sodium alginate/mcc hydrogel beads	Ting Guo, Fang Wang, Keyong Tang
	Influence of stress state while dried on the yield and	Du Jing, Fang Wang, Tang Keyong,
P-58	water vapor permeability of leathers	Zhao Kang
D 50		
P-59	A Fatliquring agent with collagen grafted rapeseed oil	Shufa Qin, Fang Wang, Keyong Tang
D (0	The immobilization of tannin on cellulose for	Ying Pei, Jin Zhao, Xuejing Zheng, Jie
P-60	removing organic dyes	Liu, Keyong Tang

P-61	Effect of thermocycling on the thermal degradation behavior of tanned collagen matrices	Xuejing Zheng, Jie Liu, Kun Wang, Ying Pei, Keyong Tang
P-62	Dissolution and regeneration of collagen fibers using ionic liquid	Xuejing Zheng, Zhuojun Meng, Jie Liu, Keyong Tang
P-63	Removal of chromium (VI) from tannery effluents by microfibrillated cellulose/chitosan composite beads	Xuejing Zheng, Yingxia Wang, Qiannan Zhang, Ying Pei, Jie Liu, Keyong Tang
P-64	The effect of different shoe outsole structures on plantar loading during running	Luming Yang, Shuwen Wu, Yanbo Liu
P-65	Preparation and characteristics of amino silane modified gelatin	Sun Guolong, Huang Jin, Han Xiaona, Du Weining, Li Zhengjun
P-66	Improvement of anaerobic digestion for tannery sludge with ultrasonic generator	Xiaoxing Li, Jie Chen, Jizhang Jia
P-67	The preparation of adsorbents using leather waste and investigations of its adsorption characteristics to Cr (III) in water solution	Yuling Tang, Zaiyin Hu, and Ru Wang
P-68	Evaluating performance characetristics of fusible interlinings used for leather apparel	K. Phebe Aaron, K. Krishnaraj, B. Chandrasekaran and A. B. Mandal
P-69	Preservation of hides and skin with less salt and phyto-extract for cleaner curing technology	M. Vinodh Kumar, Swarna V Kanth, A. Tamilselvi, Brindha. V, Swetha S.K, Surekha. K, J. Kanagaraj
P-70	Isolation and identification of some problematic fungi from double-face leather	Eser Eke Bayramoğlu, Claudia Florio, Gianluigi Calvanese
P-71	Role of magnetite immobilized enzymes in leather processing	Gunavadhi Murugappan, Gladstone Christopher Jayakumar, Yasmin Khambhaty, Kalarical Janardhanan Sreeram, Jonnalagadda Raghava Rao, Balachandran Unni Nair
P-72	Utilization of green solvents for post tanning operations	Bhargavi Narayana Reddy Gari, Solomon Fessehaye, Kalarical Janardhanan Sreeram, Jonnalagadda Raghava Rao, Balachandran Unni Nair
P-73	Salt free ambient preservation of hides and skins: A viable approach	Victor John Sundar, Chellappa Muralidharan
P-74	Extraction and purification of pigskin collagen in the ionic liquid based aqueous two-phase system	Zou Yongpeng, Ma Zhaoyun, Wang Zhonghui, Zhou Hualong, Tang Huazhao
P-75	Fish scale collagen for semiconductor devices	Thotapalli Parvathaleswara Sastry, Sundaramurthy Inbasekaran, Thangavelu Muthukumar, Rethinam Senthil