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- ❖ **Name of the International Conference/ Seminar/Symposium/ Workshop** : International Conference on Industrial Pharmacy (ICIP)-2014
- ❖ **Title of the abstract accepted** : Buchanania Lanzasprong seeds mucilage: In Vitro-In vivo  
Mucoadhesive strength assessment.
- ❖ **Venue & Date** : Pahang, Malaysia, 16-17th August 2014.
- ❖ **Money sanctioned** : ₹ 68,667/-
- ❖ **Money reimbursed** : ₹ 55,070/-

I would like to thank **Indian Council of Medical Research** Division of Manpower Development (ICMR) and HSBPVT' S, COP, Kashti for giving me opportunity to attend the International Conference on Industrial Pharmacy – 2014 with an apt theme "Eco Friendly Pharmaceuticals for greener future". Those conferences were very interesting and gave the opportunity to learn many issues in regards to Eco Friendly Pharmaceutical for greener future, health and safety and workplace safety and the legal implications.

The Organizer had arranged plenary sessions, to cover various facts of Eco Friendly Pharmaceuticals likes, Process Analytical Technology, Design and Operation of New Biopharmaceutical, Green Engineering and Challenges and Opportunities for Animals Health Market, on 16<sup>th</sup> to 17<sup>th</sup> August, 2014, at Swiss Garden Resort and Spa, Kuantan, which is a modern town and is the capital of Pahang Darul Makmur, a beautiful state in the east coast of Peninsular Malaysia. Organized by Kulliyah of Pharmacy, International Islamic University, Kuantan, Pahang, Malaysia The following table summarizes the activities during the conference.

#### Number of Participating Country: 14

Sr. No	Name of Country
1	[Participants] India, Pakistan, Nigeria, Iraq, Syria, Bangladesh, Turkey, China and Malaysia
2	[Speakers] Australia, New Zea-land, Japan, UK, Malaysia

#### Number of Participants: 90

##### Plenary Sessions

Sr. no.	Title of Plenary Sessions	Title of talk
<b>Date: 16.08.2014</b>		
1	<b>Plenary-I</b> Presenting Author Prof. Zoltan K. Nagy, Purdue University, United States	Process Analytical Technology Based Control Approaches For Green Production Of Pharmaceutical Solids
2	<b>Plenary-II</b> Presenting Author Mr. David Hughes, CEO of Biopharmaceutical, Australia	Energy Efficiency and Sustainability Consideration in the Design and Operation of New Biopharmaceutical Facility in Brisbane
3	<b>Technical Session – I for Oral Presentations</b>	<b>Chair Person Dr. Farahidah Mohamed</b>
4	<b>Poster Reviewing and Judging Sessions</b>	<b>Chair Person Dr. Mohd Rushdi Hj. Abu Bakar</b>
<b>Date: 17.08.2014</b>		
5	<b>Plenary-III</b>	Green Engineering For

	Jr, Research Center of supercritical fluid technology, Tohoku University, Japan	Bioactive Compounds For Nutraceutical
6	<b>Plenary-III</b> Presenting Author Prof. Zaryl Harza Zachary (NPCB), Entrepreneur/Consultant in animal health pharmaceuticals, Hamilton, New Zealand	Challenges and Opportunities for the Formulation Scientist in today Animals Health Market
7	<b>Technical Session – II for Oral Presentations</b>	<b>Chair Person Dr. Kausar Ahmad</b>
8	<b>Poster Reviewing and Judging Sessions</b>	<b>Chair Person Dr. Bappaditya Chatterjee</b>
9	<b>Invited Speaker sessions</b>	
1	Dr. Ahmad Fuad Shamsuddin, IIU, Malaysia	Pre-clinical Studies of novel lipid nano emulsions
2	Mr. Zaryl Harza Bin Zakaria, IIU, Malaysia	Regulatory affairs associated with clinical trials of bio-Pharmaceuticals
3	Dr. Mohd Cairul Iqbal Mohd Amin, IIU, Malaysia	The use of bio polymers in controlled release dosage form
4	Dr. Wong Tin Wui, IIU, Malaysia	Particle Design by Melt Technology: Innovative delayed-Release and Fast release Pellets
5	Dr. Muhammad Nadeem Akhtar, IIU, Malaysia	Drug Discovery Against cancer and Alzheimer's Diseases- Synthesis and biological evaluation
10	Closing Ceremony and Award Distributions sessions	
11	Gala Dinners and Lucky Draws	

Organizer of ICIP-2014 clearly indicated that upon realizing the importance of 'green' considerations in industrial pharmacy, the Kulliyah of Pharmacy, International Islamic University Malaysia has provided a platform which brought scientists from academia and industry together to share/showcase/discuss current researches/projects/initiatives in industrial pharmacy that are eco-friendly in nature.

Dr. Nagy deliberated about advance process control, process analytical technology and crystallization modeling and control approaches. He also discussed about application of systems approaches and tools in design and robust control of batch and continuous crystallization systems and integrated particulate manufacturing processes with application in pharmaceutical and fine chemical manufacturing.

Mr. David's talk about scale-up and commercialization of biotech products, included process development, pilot plant design and operation, as well as the design, construction, validation, and commercial operation of world-scale microbial recombinant proteins.



Prof. Richard discussed about extraction processing of bioactive compounds for Nutraceutical using supercritical fluid technology, included thermodynamics, physical properties, supercritical fluids and green process.

Prof. Michal shared his views on various veterinary disease causing to animals and also about the systemic drug delivery via mucosal sites, the development of modified release drug delivery systems and controlled release veterinary drug delivery.

Further the talk of invited speakers gave me updates relating to eco friendly pharmaceuticals products.

I personally interacted with fellow scientist from across birders and shared interesting and useful scientific views. It was imminent during the discussions and, two of them were engrossed with my presentation details. There were curious enquires about my field of research and presentations.

The cuisines served during the Gala were but ethnical and international. The scientific gathering was very friendly and helpful.

**New Development presented at conference:** I found basically development presented in the conference are in the field of green engineering for Nutraceutical, energy efficient and sustainable consideration in the design of new biopharmaceutical and various challenges for the formulation of animal medicine considering today animals health market.

**New Development resulting from conference:** Industrial pharmacy is a discipline that covers the lifecycle of drug products from development, manufacturing, marketing, to distribution, including quality assurance of these activities. Although this discipline contributes directly in ensuring a better quality of life; however, each stage in the lifecycle of the drug products has an associated environmental impacts. The unity of the scientists and industrial experts from different fields addressed scientific knowledge, as well as regulatory and business aspects of green pharmaceuticals.

