

CERTIFICATE OF ATTENDANCE

Is Awarded To

Dr. Fatma Sri Wahyuni

for oral presentation at

INTERNATIONAL CONFERENCE OF PHARMACY AND HEALTH SCIENCES 2016

Held On

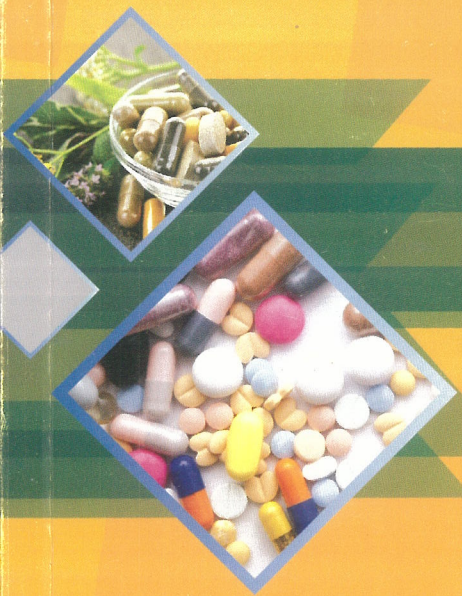
18 - 20 MARCH 2016

At

HOTEL CASUARINA @ MERU IPOH, PERAK MALAYSIA

HISSHAMUDDIN OMAR
CHIEF EXECUTIVE OFFICER

PROF. DR. MOHD SYAFIQ ABDULLAH
DEAN



INTERNATIONAL CONFERENCE OF PHARMACY AND HEALTH SCIENCES 2016

*“Advances in Pharmaceutical Sciences :
Emerging Challenges in Practice”*



UniKL
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ORGANIZED BY

**Faculty of Pharmacy and Health Sciences
Universiti Kuala Lumpur
Royal College of Medicine Perak**

IN COLLABORATION WITH



**Ministry of Health Malaysia
Pharmaceutical Services Divisions**

18th - 20th March 2016

Hotel Casuarina @ Meru, Ipoh



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Message from Pro-Chancellor/Chairman Universiti Kuala Lumpur

I would like to congratulate Universiti Kuala Lumpur, Royal College of Medicine Perak (UniKL-RCMP) for organizing this “International Conference of Pharmacy and Health Sciences 2016”. The theme “Advances in Pharmaceutical Sciences: Emerging Challenges in Practice” is most appropriate and relevant to the current and future delivery of pharmacy and other healthcare professionals. It is my fervent hope that this conference will bring about improvements towards the practice of pharmacy.

I would also like to express my heartfelt gratitude to all delegates, local and abroad who commit their time and money to participate in this conference. May all of you profit from the discussion and deliberation. The participation of a large number of eminent thinkers, scientists, educationists, and students on this joyful occasion would have a meaningful impact on the partakers and also be an important contribution in the direction of improved healthcare.

I am confident that the sharing of ideas and experience among participants from hail and different parts of the world, will add value to ICPHS 2016 and will inspire everyone concerned – stakeholders, practitioners, academics, researchers and policy makers – to pick up from where the conference ends. It is my wish to see everyone inspired and energised to make a difference in pharmacy practice in the realm of pharmacy profession.

I also take this occasion to accolade the academic and administrative staff of the faculty and express my best wishes to them for all future endeavours.

YANG BERHORMAT DATUK DR. ADHAM BABA
Pro-Chancellor/Chairman
Universiti Kuala Lumpur

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Programme Schedule

DAY 1: 18 MARCH 2016 (FRIDAY)

VENUE: BALLROOM, HOTEL CASUARINA @ MERU, IPOH, MALAYSIA

TIME	PROGRAMME
8.00 – 8.30 AM	Registration of Participants
8.30 – 9.30 AM	Session 1: Chairperson: Prof. Dr. Gouri Kumar Dash Universiti Kuala Lumpur Royal College of Medicine Perak
	Invited speaker 1: Prof. Dr. Anima Nanda Dean, Faculty of Bio & Chemical Engineering, Sathyabama University, Chennai, India. <i>Innovative Use of Novel Nanomaterials as Nanomedicines and its Application on Biomedical Engineering.</i>
	Invited speaker 2: Prof. Dr. Aranya Manosroi Manager, Manose Health and Beauty Research Center, Department of Cosmetic Technology, Faculty of Science and Technology, North-Chiang Mai University, Chiang Mai, Thailand. <i>Nanovesicles For Natural Products In Cosmetic and Pharmaceutical Applications.</i>
9.30 – 10.30 AM	Keynote speaker: Dato' Eisah Binti A. Rahman Senior Director of Pharmaceutical Services Pharmaceutical Services Divisions Ministry of Health, Malaysia.
10.30 – 11.00 AM	Opening Ceremony
11.00 – 11.30 AM	Tea Break
11.30 AM – 12.30 PM	Session 2: Chairperson: Dr. Badgujar Vishal Bhagwan Universiti Kuala Lumpur Royal College of Medicine Perak
	Invited Speaker 3: Hidehiro Uekusa Department of Chemistry and Materials Science, Tokyo Institute of Technology, Ookayama 2, Meguro-ku, Tokyo 1528551, Japan. <i>Crystal Engineering of Pharmaceutical Crystals.</i>
	Invited Speaker 4: Dr. Shah Mohammed Ashraf Advanced Nano-Materials Laboratory, Department of Physics, National Institute of Technology, Hazratbal Srinagar, India. <i>Fabrication of Nanomaterials Through Benign Techniques and their Application in Health and Food Science.</i>

12.30 – 2.30 PM	Lunch/ Poster Presentation
2.30 – 4.00 PM	Session 3: Chairperson: Dr. Mahendran Sekar Universiti Kuala Lumpur Royal College of Medicine Perak
	Oral Presentation 1: Dwisari Dillasamola Andalas University, Indonesia. <i>The Effect of Ethanolic Extract of Southern Africa Vernonia Amygdalina D on the Level of Cholesterol Male White Mice.</i>
	Oral Presentation 2: Suhatri Andalas University, Indonesia. <i>The Teratogenic Effect of Methyl gallate which Isolation from of Surian leaves (Toona sureni (bl.) Merr), on White Female Mice Fetus.</i>
	Oral Presentation 3: Suryati Syafri Andalas University, Indonesia. <i>The Effect of Ethanolic Extract of Vernonia Amygdalina, Del Leaves on Creatinine Level of Male White Mice.</i>
	Oral Presentation 4: Lili Fitriani Andalas University, Indonesia. <i>Solid Binary System Interaction of Quercetin-Nicotinamide.</i>
	Oral Presentation 5: Hamiza Aziz Universiti Kebangsaan Malaysia, Malaysia. <i>How Payment Scheme Affects Patients' Adherence to Medications?: A Systematic Review Study.</i>
	Oral Presentation 6: Syed Mohd Syahmi bin Syd Mohmad Faudzi International Islamic University, Malaysia. <i>Development of Clinical Protocol for Ibogaine Administration as Anti-Addictive Treatment in Opioid Addiction.</i>
4.00 PM	Tea Session
END OF DAY 1	

Programme Schedule

DAY 2: 19 MARCH 2016 (SATURDAY)

VENUE: BALLROOM, HOTEL CASUARINA @ MERU, IPOH, MALAYSIA

TIME	PROGRAMME
8.00 – 8.30 AM	Registration of Participants
8.30 – 10.00 AM	Session 4: Chairperson: Dr. Seow Lay Jing Universiti Kuala Lumpur Royal College of Medicine Perak
	Invited speaker 5: Prof. Dr. Dachriyanus Faculty of Pharmacy, Andalas University, Kampus Limau Manis, Padang, West Sumatra, Indonesia. <i>Increasing Value of Sumatran Medicinal Plants.</i>
	Invited speaker 6: Prof. Dr. Jiradej Manosroi Chief Executive Officer, Manose Health and Beauty Research Center, Member staff at Department of Cosmetic Technology, Faculty of Science and Technology, North-Chiang Mai University, Chiang Mai, Thailand. <i>Modern Anti-Cancer Drug Development From Thai/Lanna Medicinal Plant Recipe Database "MANOSROI III".</i>
	Invited speaker 7: Dr. Fahad Saleem Senior Lecturer, Discipline of Social & Administrative Pharmacy, School of Pharmaceutical Sciences, Universiti Sains Malaysia, Penang, Malaysia. <i>Extended Pharmacy Services: The art of delivering value at community pharmacies.</i>
10.00 – 10.30 AM	Tea Break
10.30 AM – 12.30 PM	Session 5: Chairperson: Pn. Noor Azizah Binti Abdul Wahab Universiti Kuala Lumpur Royal College of Medicine Perak
	Oral Presentation 7: Najihah Ismail Advanced Material Research Centre, AMREC, SIRIM BERHAD, Malaysia. <i>In-Vitro Study of Synthesised Calcium Sulphate (Gypsum) on L929 Fibroblast Cell and Human Osteoblast Cell for Bone Regeneration Application.</i>
	Oral Presentation 8: Abul Almaududi Islamic University of Indonesia, Indonesia. <i>Formulation of Matrix Transdermal Patches Ketoprofen With Hydroxypropyl Methylcellulose and Ethyl Cellulose as Polymer and its Evaluations.</i>

	Oral Presentation 9: Fatma Sri Wahyuni Andalas University, Indonesia. <i>Apoptosis Induction of Cervical Carcinoma Hela Cell Line by Garcinia cowa Roxb. Through BCL-2 Gene Regulation.</i>
	Oral Presentation 10: Irma Wati binti Ngadimon Universiti Kebangsaan Malaysia, Malaysia. <i>Antibiotic Shared Decision-Making Decision Aid.</i>
	Oral Presentation 11: Mohamed Alaama International Islamic University, Malaysia. <i>Development and Validation of LC-MSMS Bioanalytical Method for the Analysis of Amlodipine and Glidazide in Human Plasma.</i>
	Oral Presentation 12: Mohammed Abdulrazzaq Assi Universiti Putra Malaysia, Malaysia. <i>Effect of Nigella sativa Administration on Chronic Lead Acetate Induced Hematological and Biochemical Alterations.</i>
	Oral Presentation 13: Mogana Das Murtey Universiti Sains Malaysia, Malaysia. <i>Anti-Proliferative Effect of Paddy Waste Extracts on Androgen-Independent Prostate Cancer DU145 Cells.</i>
	Oral Presentation 14: Richa Srivastava Amity University, India. <i>Mucoadhesive Nasal Gel for Poly Herbal Delivery in Acute and Chronic Rhinosinusitis.</i>
12.30 – 2.30 PM	Lunch/ Poster Presentation
2.30 – 4.30 PM	Session 6: Chairperson: Mr. Mohd. Tahir Ansari bin Mumtaz Ansari Universiti Kuala Lumpur Royal College of Medicine Perak
	Invited speaker 8: Prof. Dr. Yahaya Bin Hassan Head, Department of Pharmacy Practice, Faculty of Pharmacy, Universiti Teknologi MARA (UiTM), Malaysia. <i>Assessment of Pharmaceutical Care Issues: A Step by Step Approach.</i>
	Invited speaker 9: Dr. Mahendran Sekar Faculty of Pharmacy and Health Sciences, UniKL-Royal College of Medicine Perak. <i>Green Chemistry – An Important Tool to Protect Our Environment and Save Our Future Generations.</i>

	<p>Oral Presentation 15: Claudine Joyce L. Alay-ay University of Santo Tomas, Philippines.</p> <p><i>Hypoglycemic Effect of Crescentia cujete Linn. (bignoniaceae) Fruit Juice in Normal Sprague-Dawley Rats.</i></p>
	<p>Invited speaker 10: Pn. Noor Azizah Binti Abdul Wahab Senior Lecturer, Faculty of Pharmacy and Health Sciences, Universiti Kuala Lumpur Royal College of Medicine Perak.</p> <p><i>Sharing Experience in Implementation of Problem Based Learning (PBL) in Pharmacy.</i></p>
	<p>Invited speaker 11: Pn. Norshidah Harun Faculty of Pharmacy and Health Sciences, UniKL-Royal College of Medicine Perak.</p> <p><i>Quality of Life Among People Living With HIV: The Importance of Social Support.</i></p>
5.00 PM	Tea Break
End of Session	
7.30 PM	Welcome Dinner
END OF DAY 2	

Programme

DAY 3: 20 MARCH 2016 (SUNDAY)

VENUE: BALLROOM, HOTEL CASUARINA @ MERU, IPOH, MALAYSIA

TIME	PROGRAMME
8.00 – 8.30 AM	Registration of Participants
8.30 – 11.30 AM	Session 7: Chairperson: Dr. Mahendran Sekar Universiti Kuala Lumpur Royal College of Medicine Perak
	Invited speaker 12: Prof. Dr. Gouri Kumar Dash Head of Research and Postgraduate Unit, Faculty of Pharmacy and Health Sciences, Universiti Kuala Lumpur Royal College of Medicine Perak. <i>HPTLC: An Effective Tool For Standardization of Herbal Drugs.</i>
	Invited speaker 13: Dr. Mohd. Farooq Shaikh Jeffrey Cheah School of Medicine and Health Sciences, MONASH University Malaysia <i>Discovery of Anticonvulsants Using Reverse Pharmacology: A Fast Track Pathway</i>
	Oral Presentation 16: Feras Darwish El-Hajji Applied Science Private University, Jordan. <i>Evaluation of the Level of Knowledge About Probiotics Amongst Community Pharmacy Staff in Jordan.</i>
	Oral Presentation 17: Bijaya Kumar Nayak Kanchi Mamunivar Centre for Post Graduate Studies (Autonomous), India. <i>Credibility of Green Synthesized Agnps from Sand Dune Fungi Isolated from Puducherry Coastal Areas to Combat Against Microbial Growth.</i>
	Oral Presentation 18: Nur Atikah Mohamed Hussin Universiti Sains Malaysia, Malaysia. <i>Gender Differences in Coping Mechanisms and the Attitude of Professional Help-Seeking.</i>
	Oral Presentation 19: Elango. P Sri Ramachandra Medical College & Research Institute, Sri Ramachandra University, India. <i>CNS Drug Discovery in Animal Models.</i>
	Oral Presentation 20: Nicole Eileen M. Bagon, Faculty of Pharmacy, University of Santo Tomas, Philippines. <i>Gel Trial Formulation of the Crude Ethanolic Extract of Tinospora cordifolia (Willd.) Miers. Stem and Evaluation of its Anti-Inflammatory, Wound-healing and Skin Irritation Activities.</i>

	Oral Presentation 21: Kawiak Anna Department of Biotechnology, Intercollegiate Faculty of Biotechnology, University of Gansk, Poland <i>Induction of Apoptosis by Naphthoquinones Through the Inhibition of the Mapk/Erk Signaling Pathway</i>
	Oral Presentation 22: AL-Wajeih Saeed Nahla Faculty of medicine, Biomedical Science Department, Malaya University, Kuala Lumpur, Malaysia <i>The Evaluation of Antioxidants Activities of Cibotium Barometz Hair in Vitro and its Oral Acute Toxicity in Vivo</i>
11.45 AM	Closing Ceremony

Keynote Speaker



Dato' Eisah Binti A. Rahman

Senior Director of Pharmaceutical Services

Pharmaceutical Services Divisions

Ministry of Health, Malaysia.



Prof. Dr. Anima Nanda

IS 1

Dean, Faculty of Bio & Chemical Engineering

Sathyabama University

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Dr. Anima Nanda, holding the post of Dean for the Faculty of Bio & Chemical Engineering at Sathyabama University, Chennai, India, is a renowned professor heading the Department of Biomedical Engineering with specialized in microbial nanotechnology. Her laboratory studies on the role of bacteria and fungi in human health by using nanotechnology to have a better control over broad spectrum antibiotics. Her publications proved the novel bionanomaterials synthesized in her lab by using various fungi and bacteria isolated from various sources have a targeted therapy against human pathogenic and broad spectrum antibiotic resistant bacteria in Septicemia (MRSA and MRSE), Multi Drug Resistant Tuberculosis (MDR Tb) and Extra Drug Resistant Tuberculosis (XDR Tb).

In addition to this Dr. Nanda has been heavily involved in promoting microbial nanotechnology as the cornerstone in the field of biology in India. Currently she has two ongoing Govt. of India sponsored projects worth of 15 million rupees and two are in process. She has research tie up with many reputed institutions at National and International levels. She has worked with several eminent personalities of the world at various places. Recently the mutual work progressed on Biopolymers of novel nanomaterials on human health between her University with the Tomosk Polytechnic University, Russia, where she is pioneered in the fabrication of bionanomaterials and synthesis of green chemistry. Apart from this she has more than 50 publications in high impacted national and international journals along with more than 100 publications in international and national conferences. To her credit, Dr. Nanda has a patent on staircase climbing wheel chair for physically challenged person. She has honored with Fellow of Natural Resources and Conservation and received twice best teacher award, gold medalist, and best project award, chaired number of technical sessions and life member of varied societies including American Nano Society.

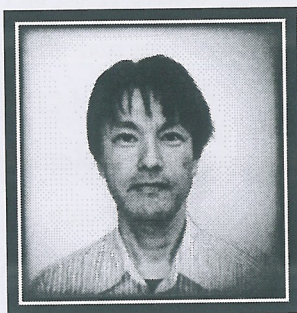


Prof. Dr. Aranya Manosroi
Manager of Manose Health and Beauty Research Center.
Member staff at Department of Cosmetic Technology,
Faculty of Science and Technology,
North-Chiang Mai University, Chiang Mai, Thailand
E-mail: a.manosroi@gmail.com

Aranya Manosroi's most significant research contributions are drug and cosmetic delivery systems using nanotechnology in the forms of nanovesicles including liposomes and niosomes for topical application, especially of natural products and genetic materials. For her researches on biological activities, Thai plants containing antioxidants (such as gallic acid, γ -oryzanol, ferulic acid and phytic acid), unsaturated fatty acids, esters of fatty acids and enzymes as well as genetic materials for canities, scar treatment, anti-aging, anti-hair loss, androgenic alopecia and vitiligo treatment are focused. Her research team is the first group to introduce the elastic niosomes as a topical drug and cosmetic delivery.

She has visited more than 50 research institutes and pharmaceutical / cosmetic industries in about 30 countries all over the world. She has produced 616 publications consisting of 153 international peer reviewed paper with 133 paper in scopus (citation index = 1,496, h-index = 22) (November 20, 2015) and 7 national papers, 339 scientific presentations, 56 articles, 31 books and 30 patents including WIPO / EPO, Thai and Japanese patents. She has got research grants from Thailand and other countries with the total budgets of more than 2 million USD in the past 30 years. She has produced 72 high qualified researchers, including 24 Ph.D, 10 master graduateds and 24 undergraduates. From her applied research areas, she has collaborated with many private sectors as well as government agencies for funding partnership and bringing the research outcome to be commercialized.

IS 2



Hidehiro Uekusa

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Hidehiro Uekusa, Associate Professor of Chemistry and Materials Science at Tokyo Institute of Technology, graduated Keio University in 1987, and got Dr. of Science degrees in 1992 from Keio University. In 1992, he joined the Department of Chemistry at Tokyo Institute of Technology in 1992 and was appointed to Associate Professor of the Department of Chemistry and Materials Science in 1999.

His major field is chemical and pharmaceutical crystallography. His current interests includes structure science of pharmaceutical crystals, analysis of crystalline-state structural change such as dehydration/hydration transition, design and properties of co-crystals and crystal structure analysis from powder diffraction data. Also, mechanistic elucidation of dynamic colour changing processes in solid-state such as photo-, thermo-, mechano-, and vapo-chromism are conducted in his group. He is a senior co-editor of X-ray Structure Analysis Online journal, and also co-editor of Acta Crystallographica Section C, and journal of Crystallographic Society of Japan. He is also a member of the Commission on Crystallographic Education in the International Union of Crystallography. His awards are Challenge in research award of Tokyo Institute of Technology (2003), Japan Crystallographic Society Award (2012).



Prof Dr. Dachriyanus

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Prof. Dr. Dachriyanus received his undergraduate degrees from Andalas University in 1991 and finished his PhD from University of Western Australia in 1999. He got Professorship from Indonesian Ministry of Education in 2005. He have some collaborative research with University of Western Australia and University Putra Malaysia. His research is in chemical and biological activity studies of Sumatran Plants especially Genus *Garcinia* and *Rhodomyrtus tomentosa*. He have 61 publications in this area from 2005-2008. He held the position of Head of Department of Pharmacy, Andalas University and from 2008-2010 as a Dean Faculty of Pharmacy, Andalas University. In addition, he was appointed as vice president for academic affair of Indonesian Pharmacist Association in 2009-2014

APOPTOSIS INDUCTION OF CERVICAL CARCINOMA HeLa CELL LINE BY *GARCINIA COWA* ROXB. THROUGH Bcl-2 GENE REGULATION

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Cervical cancer is one of the highest cause of cancer death in women worldwide. Asam kandis (*Garcinia cowa* Roxb.) is known to contain xanthones that have potential as anticancer. Previous research showed that the dichloromethane fraction of the rinds of *Garcinia cowa* Roxb. having cytotoxic effects against HeLa cells with IC₅₀ value of 5.764 µg/mL. This study aims to determine the type of HeLa cervical cancer cell death by dichloromethane fraction of the rinds of *Garcinia cowa* Roxb. especially in inducing apoptosis using a double staining method. The principle of this method is based on differences in DNA fluorescence in viable and death cells because of binding with two DNA fluorochrome, ethidium bromide (EtBr) and acridine orange (AO). The result of this study shows that viable cells are fluoresce green, cells undergoing apoptosis fluoresces yellowish green, and necrotic cells fluoresce orange-red. The average percentage of apoptotic cells was higher in variables treated with dichloromethane fraction of the rinds of *Garcinia cowa* Roxb. than the control variables (treatment = 70.3767 ± 1.82571 and control = 12.2567 ± 2.25469). The result of statistics analysis by Independent Samples T-test shows apoptosis significance value (2-tailed) = 0.000 (<0.025). Measurement of gene expression of Bcl-2 was done by using RT-PCR. Bcl-2 gene expression of cervical cancer HeLa cells was decreased after administration of this fraction.

Keywords: Rinds of asam kandis (*Garcinia cowa* Roxb.), HeLa cells, apoptosis.