

CURRICULAR VITAE



A. PERSONAL BACKGROUND

1. Name: Norhayati Binti Mohamed Noor
2. Date and Place of Birth: 27 November 1981 (Kedah, Malaysia)
3. Nationality: Malaysia
4. Email: norhayati@ibd.utm.my @ norhayati.noor.13@ucl.ac.uk

B. EDUCATIONAL QUALIFICATION

1. Ph.D in Pharmaceutic (2017)
Department of Pharmaceutics
Name and Place of Institution: UCL School of Pharmacy, University College London, UK
Title: Lipid-based nanoparticles for topical delivery of hair growth therapeutic molecules
2. M. Eng in Bioprocess Eng. (Bioprocess) by Research (2013)
Name and Place of Institution: Universiti Teknologi Malaysia, Malaysia
Title: Solid Lipid Particles for Improved Dermal Delivery of Virgin Coconut Oil
3. B. Eng in Chemical Engineering (2004)
Name and Place of Institution: Universiti Teknologi Malaysia, Malaysia
4. SECONDARY - SMK Tun Sharifah Rodziah, Alor Setar, Kedah, Malaysia
Jan 1997 - Dec 1998 (Science Stream) : SPM : 1st Grade
Outstanding Awards (Science Stream)
5. PRIMARY - SRK Clifford, Kuala Lipis, Pahang (Jan 1988- Dec 1993)
UPSR : 3 A's and 1C

C. SCHOLARSHIP

Universiti Teknologi Malaysia under non-academic scheme
Apr 2014 – Oct 2017 (Study Leave)
Level: PhD (Pharmaceutics)

D. WORKING EXPERIENCE

Number of Years of Experience: 2004 – current (13 years)

- a. Demonstrators at UCL School of Pharmacy (2014 – 2017), London, UK
- b. Research Associate Q44 – permanent staff at Institute of Bioproduct Development (IBD), Universiti Teknologi Malaysia (UTM) (2013-current)
- c. Research Officer Q41 – permanent staff at IBD, Universiti Teknologi Malaysia (2008-2013)
- d. Research Officer – contract staff of IBD or CEPP, UTM (2006-2008)
- e. Research Assistant - contract staff of IBD, UTM (2004-2006)
- f. Fields of Expertise: Colloidal drug delivery system, cosmeceutical product formulations, HPLC, extemporaneous preparations, aromatherapy and perfume formulations.

Expertise

- Research on drug delivery for skin and hair
- Publication of articles and book chapters
- Presentation (posters and oral)
- Cosmeceutical and perfume products development
- Tutor for short courses organized by IBD, UTM

E. PROFESSIONAL AFFILIATION

- Board of Engineers Malaysia (Reg. No: 76202) - Member

F. AWARDS AND RECOGNITION

1. Anugerah Akademik Negara (AAN) ke-11, 2017, Inovasi dan Pengkomersialan Produk (Minyak Kelapa Dara)
2. 19th Industrial Art & Technology Exhibition, Universiti Teknologi Malaysia, Skudai, 21 -23 November 2017 – Bronze Medal Award (Project Leader – Dr. Rosnani Hasham, Farahdiana Ariffin, Siti Fatimah Mohamad, Prof Ir Dr Ani Idris, Siti Hajar Mat Sarip, Roslinda Abd Malek, Dr Norhayati Mohamed Noor, Dr. Mariani Abd Hamid, Assoc. Prof. Dr. Azila Abd Aziz and Prof. Dr. Mohamad Roji Sarmidi) for ANANAS Hydramist Facial Water
3. UCL School of Pharmacy Travel Fund, 2016
4. IBD Service Excellence Award 2012, 6th July 2013
5. IBD Best Teamwork Award, Formulation of Royal Perfume SI I and SI II For The Highness of Sultan Johor, 6th July 2013
6. ITEX 2013, 9 – 11 May 2013, KL Convention Centre - GOLD Medal Award (Team Member - Dr. Mariani Abd Hamid, Prof Ramlan Aziz, Prof. Dr. Chang Seo Park, Norhayati Mohamed Noor, Assoc. Prof. Dr. Azila Abd Aziz, Prof. Dr. Mohamad Roji Sarmidi & Azizah Ishak) for A New Discovery of Cosmeceutical Ingredients : Alpha-MAGs)
7. BioInnovation Awards, BioMalaysia 2012, 5 – 7 Nov 2012, KL Convention Centre - Silver Medal Award (Project Leader - Norhayati Mohamed Noor, Assoc. Prof. Dr. Azila Abd Aziz, Prof. Dr. Mohamad Roji Sarmidi, Prof. Ramlan Aziz, Mariani Abd Hamid & Azizah Ishak) for Virgin Coconut Oil-Solid Lipid Particles (VCO-SLPs) as Functional Cosmetic Ingredients
8. BioInnovation Awards, BioMalaysia 2012, 5 – 7 Nov 2012, KL Convention Centre - Bronze Medal Award (Team Member : Dr. Mariani Abd Hamid, Prof. Dr. Mohamad Roji Sarmidi, Prof. Dr. Chang Seo Park, Norhayati Mohamed Noor, Assoc. Prof. Dr. Azila Abd Aziz, Prof Ramlan Aziz & Azizah Ishak) for Skin Nutrient Formulations Containing Ficus Deltoidea Extract for Skin Lightening and Anti-aging
9. BioInnovation Awards, BioMalaysia 2012, 5 – 7 Nov 2012, KL Convention Centre - Bronze Medal Award (Team Member - Dr. Mariani Abd Hamid, Prof Ramlan Aziz, Prof. Dr. Chang Seo Park, Norhayati Mohamed Noor, Assoc. Prof. Dr. Azila Abd Aziz, Prof. Dr. Mohamad Roji Sarmidi & Azizah Ishak) for A New Discovery of Cosmeceutical Ingredients : Alpha-MAGs)
10. 2nd InnoPitch Competition, 3rd Place, 11-12 September 2012, Innovation & Commercialization Centre, UTM
11. 14th Industrial Art & Technology Exhibition, Universiti Teknologi Malaysia, Skudai, 3 – 5 October 2012 – Bronze Medal Award (Project Leader - Norhayati Mohamed Noor, Assoc. Prof. Dr. Azila Abd Aziz, Dr. Mariani Abd Hamid, Prof. Dr. Mohamad Roji Sarmidi, Prof. Ramlan Aziz & Azizah Ishak) for A New Potential Cosmeceutical Ingredients : VCO-Somes)
9. 14th Industrial Art & Technology Exhibition, Universiti Teknologi Malaysia, Skudai, 3 – 5 October 2012 – Gold Medal Award (Team Member : Dr. Mariani Abd Hamid, Prof Ramlan Aziz, Prof. Dr. Chang Seo Park, Norhayati Mohamed Noor, Assoc. Prof. Dr. Azila Abd Aziz, Prof. Dr. Mohamad Roji Sarmidi & Azizah Ishak) for A New Discovery of Cosmeceutical Ingredients : Alpha-MAGs)
10. 14th Industrial Art & Technology Exhibition, Universiti Teknologi Malaysia, Skudai, 3 – 5 October 2012 – Silver Medal Award (Team Member : Dr. Mariani Abd Hamid, Prof. Dr. Mohamad Roji Sarmidi, Prof. Dr. Chang Seo Park, Norhayati Mohamed Noor, Assoc. Prof. Dr. Azila Abd Aziz, Prof Ramlan Aziz & Azizah Ishak) for Skin Nutrient Formulations Containing

Ficus Deltoidea Extract for Skin Lightening and Anti-aging

11. IBD Service Excellence Award 2011, 26 June 2012, IBD, UTM Johor
12. InnoPitch Competition, 4th Place, 18 Jan 2012, Innovation & Commercialization Centre, UTM
13. BioInnovation Awards, BioMalaysia 2011, 21 – 23 Nov 2011, KL Convention Centre - Silver Medal Award (Project Leader - Norhayati Mohamed Noor, Prof. Dr. Mohamad Roji , Sarmidi, Prof. Dr. Chang Seo Park, Assoc. Prof. Dr. Azila Abd Aziz, Prof. Ramlan Aziz, Rosnani Hasham, Mariani Abd Hamid, Zarani Mat Taher, Sulaiman Ngadiran & Azizah Ishak) for Skin Nutrient Formulations Containing Labisia Pumila Extract for Enhancing Collagen Synthesis)
14. UTM Outstanding Performance Award 2010, 7 July 2011, DSI, UTM Johor
15. 10th Malaysia Technology Expo and Competition 2011, Kuala Lumpur Convention Centre, Kuala Lumpur, 17-19 February 2011 - Bronze Medal Award (Project Leader - Norhayati Mohamed Noor, Prof. Dr. Mohamad Roji , Sarmidi, Prof. Dr. Chang Seo Park, Assoc. Prof. Dr. Azila Abd Aziz, Prof. Ramlan Aziz, Rosnani Hasham, Mariani Abd Hamid, Zarani Mat Taher, Sulaiman Ngadiran and Mohd Amin Sahib Marican) for Skin Nutrient Formulations Containing Labisia Pumila Extract for Enhancing Collagen Synthesis)
16. 12th Industrial Art & Technology Exhibition, Universiti Teknologi Malaysia, Skudai, 5 – 7 August 2010 – Silver Medal Award (Project Leader - Norhayati Mohamed Noor, Prof. Dr. Mohamad Roji , Sarmidi, Prof. Dr. Chang Seo Park, Assoc. Prof. Dr. Azila Abd Aziz, Prof. Ramlan Aziz, Rosnani Hasham, Mariani Abd Hamid, Zarani Mat Taher, Sulaiman Ngadiran and Mohd Amin Sahib Marican) for Skin Nutrient Formulations Containing Labisia Pumila Extract for Enhancing Collagen Synthesis)

G. PUBLICATIONS: BOOK CHAPTERS, ARTICLES, PROCEEDINGS AND PRESENTATIONS

Articles

1. N.M. Noor, K. Sheikh, S. Somavarapu, K.M. Taylor, 2017. Preparation and characterization of dutasteride-loaded nanostructured lipid carriers coated with stearic acid-chitosan oligomer for topical delivery. *Eur J Pharm Biopharm.* (Q1 - IF 4.2)
2. Noor, N.M., Khan, A.A., Hasham, R., Talib, A., Sarmidi, M.R., Aziz, A.A., Aziz, R., Hasham, R., 2016. Empty nano and micro-structured lipid carriers of virgin coconut oil for skin moisturisation. *IET Nanobiotechnology* 10, 195–199. doi:10.1049/iet-nbt.2015.0041 (Q3 – IF 1.5)
3. The Effect of Virgin Coconut Oil Loaded Solid Lipid Particles (VCO-SLPs) on Skin Hydration and Skin Elasticity, Norhayati Mohamed Noor, Azila Abd. Aziz, Mohamad Roji Sarmidi and Ramlan Aziz. *Jurnal Teknologi.* 62:1 (2013) 39–43, eISSN 2180–3722 | ISSN 0127–9696 (Scopus)
4. Rosnani Hasham-Hisam, Norhayati Mohamed Noor, Mohd Najib Roslan, Mohamad Roji Sarmidi and Ramlan Abdul Aziz, Optimization of Extraction Conditions of Antioxidant Activity from Zingiber zerumbet Oleoresin, *Journal of Applied Sciences*, (11:13), Page : 2394-2399, 2011. (Scopus)

Book Chapters

1. Azila Abdul Aziz, Ramlan Abdul Aziz, Mohamad Roji Sarmidi, Chua Lee Suan, Nur Arbainah Shamsul Anuar, Norhayati Mohamed Noor, Norfarahiyah Aman Nor, *Coconut oil and fermentation of coconut milk*, Handbook of Food and Beverage Fermentation Technology, CRC Press of Florida, May 2012
2. Azila Abd Aziz, Mariani Abdul Hamid, Norhayati Mohammad Noor, Harisun Yaakob, Rosnani Hasham, Mohamad Roji Sarmidi, *Chapter 30 : Development of Natural Cosmeceuticals : Harnessing Asia's Biodiversity* In book: Novel Plant Bioresources: Applications in Food, Medicine and Cosmetics, 2014

Proceedings and Presentations

1. PhD Research Day, UCL School of Pharmacy, 7th April 2017, Oral presentation - Lipid-Based Nanoparticles for Dermal/Transfollicular Delivery of 5 α -reductase Inhibitors for the Treatment of Hair Loss
2. APS PharmSci 2016, University of Strathclyde, Scotland, 5th September 2016 -7th September 2016, Poster presentation - Transfollicular Delivery of Dutasteride-Nanostructured Lipid Carriers Coated with Stearic Acid-Chitosan Oligomer
3. PhD Research Day, UCL School of Pharmacy, 15th April 2016, Poster presentation - Preparation and Characterization of Dutasteride-Nanostructured Lipid Carriers coated with Stearic Acid-Chitosan Oligomer for Transfollicular Delivery.
4. Poster presentation: AAPS Annual Meeting and Exposition, 25 October 2015, Orlando, USA (Title: Topical Delivery of Dutasteride by Stearic Acid-Chitosan Coated Nanostructured Lipid Carrier)
5. Norhayati Mohamed Noor, Sh. Yusra Wahidah Sy. Abdullah, Azila Abd Aziz, Mohamad Roji Sarmidi and Ramlan Abd Aziz. Comparative Studies between VCO-Niosomes and VCO-SLNs as New Potential Cosmeceutical Ingredients. International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology: Delivery, Discovery, Clinical and Manufacturing Chain, KL Convention Centre, Kuala Lumpur, 20 – 21 Nov 2012 (ISBN 978-967-10833-1-4)
6. Norhayati Mohamed Noor, Azila Abd Aziz, Mohamad Roji Sarmidi and Ramlan Abd Aziz. Influence of Amount of Virgin Coconut Oil in VCO Loaded Solid Lipid Particles Sizes. 4th International Conference on Biotechnology for Wellness Industry 2012 (WELLNESS 2012), Renaissance Hotel & Convention Centre, Kuala Lumpur, Malaysia. 20 – 21 June 2012.
7. Rosnani Hasham-Hisam, Norhayati Mohamed Noor, Mohd Najib Roslan, Mohamad Roji Sarmidi and Ramlan Abdul Aziz, Optimization of Extraction Conditions of Antioxidant Activity from Zingiber zerumbet Oleoresin, Journal of Applied Sciences, (11:13), Page : 2394-2399, 2011, ISSN: 18125654
8. Norhayati Mohamed Noor, Ting Thing Hiap, Azila Abd Aziz, Mohamad Roji Sarmidi and Ramlan Abd Aziz; Evaluation of Corneometry (Skin Hydration) and Skin Elasticity Measurement on Virgin Coconut Oil Loaded Solid Lipid Microparticles of Different Particle Sizes. International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology: Formulation and Application, KL Convention Centre, Kuala Lumpur, 25 – 26 May 2010.
9. Norhayati Mohamed Noor, Norhimdayah Ibrahim, Azila Abd Aziz, Mohamad Roji Sarmidi and Ramlan Abd Aziz; The effect of Virgin Coconut Oil Loaded Solid Lipid Microparticles (VCO-SLMs) on Skin Hydration and Skin Elasticity. 3rd International Conference on Biotechnology for Wellness Industry 2009, Kuala Lumpur, Malaysia. 8 - 9 October 2010
10. R. Hasham, N. M. Noor, M. N. Roslan and M. R. Sarmidi; Optimization of Extraction Condition of Antioxidant Activity from Zingiber zerumbet Rhizome. 3rd International Conference on Chemical and Bioprocess Engineering 2009, Kota Kinabalu, Sabah, Malaysia. 12-14 August 2009.
11. N. M. Noor, R. Hasham, A.A. Aziz, M. R. Sarmidi and R. A. Aziz; Effect of Emulsifier on the Particle Size Distribution of Virgin Coconut Oil Loaded Solid Lipid Nanoparticle (VCO-SLNs) Using Ultrasonication Method. 3rd International Conference on Chemical and Bioprocess Engineering 2009, Kota Kinabalu, Sabah, Malaysia. 12-14 August 2009.
12. R. Hasham, N. M. Noor, W. N. I. W. M. Zain and M. R. Sarmidi; Crystallization and Mineral Content of Saliva and Their Correlation with the Ovulation Cycle. 2nd International Conference on Biotechnology for Wellness Industry 2009, Kuala Lumpur, Malaysia. 23-26 July 2009.

13. R. Hasham, N. M. Noor and M. R. Sarmidi; Optimization of Feed Formulation on Cleansing Properties of Rice Bran-Based Body Scrub. 2nd International Conference on Biotechnology for Wellness Industry 2009, Kuala Lumpur, Malaysia. 23-26 July 2009.
14. N. M. Noor, R. Hasham, A. A. Aziz, M. H. A. Yamin, M. R. Sarmidi and R. A. Aziz; A Double-Blind Test Comparing VCO-SLNs Lotion with Non-VCO-SLNs as a Skin Moisturizer. 2nd International Conference on Biotechnology for Wellness Industry 2009, Kuala Lumpur, Malaysia. 23-26 July 2009.
15. R. Hasham, N. M. Noor and M. R. Sarmidi; The Effect of Processing Parameters on the Yield of Oleoresin from Zingiber zerumbet and Its Antibacterial activity. 5th Malaysian International Conference on Essential oils, Fragrance and Flavour Materials 2008, Kuala Lumpur, Malaysia. 28-30 October 2008.
16. R. Hasham, N. M. Noor and M. R. Sarmidi; Optimization of Processing Parameters on the Yield of Oleoresin from Zingiber zerumbet and Its Antibacterial activity. 1st International Conference on Biotechnology for Wellness Industry 2008, Kuala Lumpur, Malaysia. 5-6 August 2008.
14. R. Hasham, M. R. Sarmidi, Ramlan A.A., N. M. Noor; Effect of Processing Parameters on the Zingiber zerumbet Oleoresin Antimicrobial activity. 4th Malaysian International Conference on Essential oils, Fragrance and Flavour Materials 2005, Perlis, Malaysia. 8-11 May 2005.

H. RESEARCH ACTIVITIES

1. Research Title : Preparation and characterisation of fatty acid-based nanoparticles for anti-microbial and hair growth promotion
 Position : Project Leader
 Fund : HICOE-IBD UTM (RM40,000.00)
 Year : 1 Jan 2018 – 31 Dec 2020
2. Research Title : Optimization and scale up production of *Kacip Fatimah* Loaded Niosome for nutraceutical and cosmeceutical
 Position : Team members
 Fund : NRGs, Ministry of Agriculture -MOA (RM416,000.00)
 Year : 1 July 2012 – 30 Jun 2014
3. Research Title : The Formulation and delivery of anti-ageing cosmeceutical serum *Labisia pumila* and *Ficus deltoidea*-loaded niosomes
 Position : Team members
 Fund : NRGs, Ministry of Agriculture, MOA (RM500,000.00)
 Year : 1 Jan 2012 – 31 Dec 2013
4. Research Title : Pre-clinical and clinical study of *Labisia pumila* antiaging serum and whitening serum from *ficus deltoidea* (Anchor company : Phyto Biznet Sdn Bhd)
 Position : Team members
 Fund : Ministry of Agriculture, MOA
 Year : Jan 2013 – Dec 2013
5. Research Title : Rheological study of Virgin Coconut Oil Nanoencapsulation
 Position : Project Leader
 Fund : Short Term Grant, UTM (RM20,000.00)
 Year : 2009-2011

I. NUMBER OF FILING/GRANTED PATENTS

1. A Cosmetic Composition (PI 2014 000446)
2. Composition For Inhibiting Melanin Synthesis and Tyrosinase Activity (PI 2014 000807)
3. Skin Nutrient Formulations Containing Labisia Pumila Extract For Enhancing Collagen Synthesis (PI 2011 005607)
4. Virgin Coconut Oil Loaded Solid Lipid Nanoparticles (VCO-SLNs) Using Ultrasonication Method (PI 2010 001977)
5. Virgin Coconut oil-based Cleansing Agent (MY-15480-A)

J. MAJOR COMMERCIAL ACHIEVEMENT BASED ON THE PROJECT

1. BioSere : Citronella-Based Skin Care Products (2009) [formerly known as T Serai
Client : Yayasan Pembangunan Usahawan Terengganu
2. Anasia : Pineapple-Based Skin Care and Cosmetic Products (2009)
Client : Malaysian Pineapple Industry Board
3. Scent Active : Aromatherapy and Spa Products
Client : Phyto Biznet Sdn Bhd.
4. Wisderm Cosmetic : Virgin Coconut Oil Based Cosmetic Products (2008)
Client: Phyto Biznet Sdn Bhd
5. Alamaq : Virgin Coconut Oil Based Cosmetic Products (2008)
Client : Alamaq Trading Sdn Bhd
6. Client : SPACE UTM
Development of Citronella Bar Soap (2010)
7. Wisderm Cosmetics : Kacip Fatimah Based Cosmetic
Products Client: Phyto Biznet Sdn Bhd
8. Wisderm Cosmetics : Virgin Coconut Oil Based Cosmetic Products (2011)
Client: AC Living Large Sdn Bhd
9. Royal Perfume : SI I & SI II
Client: The Highness of Sultan Johor, Sultan Ibrahim
10. Wisderm Cosmetic : Ficus deltoidea Based Cosmetic Products (2012 - 2014)
Client: Phyto Biznet Sdn Bhd
11. Cosmetic: DerMags Serum (2012-2014)
Client: Bioresources Sdn. Bhd

K. REFEREES

1. PROF. KEVIN MG TAYLOR

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2. PROF. MOHAMAD ROJI SARMIDI

Professor
Innovation Centre in Agriculture for Advanced Bioprocessing (ICA)
Deputy Director, Institute of Bioproduct Development, Universiti Teknologi Malaysia, Malaysia
Tel : +607.55 36480 Fax : +607.55 69706, Email : mroji@ibd.utm.my