

# HAZRINA BINTI AB. HADI



- KULLIYAH OF PHARMACY
- IIUM Kuantan Campus
- Email address: [hazrina@iium.edu.my](mailto:hazrina@iium.edu.my)

## المؤهل العلمي

- Pharmacy
- Master of Science in Drug Delivery
- Bachelor of Pharmacy (Hons)

## مسؤوليات التدريس

COMMUNITY PHARMACY PRACTICE	2013/2014 2014/2015
COSMETICS & COSMECEUTICALS	2016/2017 2017/2018 2018/2019
DISPERSE SYSTEMS	2014/2015
DOSAGE DESIGN I	2012/2013 2013/2014 2014/2015 2015/2016
DOSAGE DESIGN II	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
INDUSTRIAL PHARMACY	2014/2015 2016/2017
Nutriceuticals & Cosmeticeuticals	2012/2013 2013/2014 2014/2015 2015/2016
PHYSICAL PHARMACY 1	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
PT III : ENDOCRINE, CNS, PSYCHIATRY & OTHER DISEASES	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
RESEARCH IN PHARMACY (BIOSTATISTICS & PHARMACOEPIDEMOLOGY)	2017/2018
RESEARCH IN PHARMACY (BIOSTATISTIC & PHARMACOEPIDEMOLOGY)	2014/2015 2018/2019
RESEARCH PROJECT 1	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
RESEARCH PROJECT 2	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
RESEARCH PROJECT-LITERATURE SEARCH	2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020

## المشاريع البحثية

In Progress

- 2019 - Present** Probing the cellular and molecular mechanisms of skin barrier repair in atopic dermatitis by Benincasa hispida seed extract
- 2017 - Present** Naso-mucosal absorption of neuronal drug by sol-to-gel delivery system to target brain: approach to dose reduction
- 2016 - Present** Incorporation of stingless bee honey into hydrogel as a potential wound healing promoter
- 2016 - Present** "In Vitro Characterization of Hydrogel Containing Hydroxychavicol-Loaded Nanosponges as Antifungal"
- 2016 - Present** Translation, Validation And Reliability Study Of The Parent Attitudes About Childhood Vaccines (Pacv) Survey
- 2015 - Present** The Developemnt of Halal Collagen Nutraceuticals Tablet from Chicken Feet

### Completed

- 2016 - 2016** OPTIMISATION OF NATURAL COSMETIC FORMULATIONS
- 2016 - 2019** Incorporation of stingless bee honey into hydrogel as a potential wound healing promoter
- 2015 - 2017** Pilot Scale Production of Natural Halal Skin Lightening Cream Containing Extract of Hydroxychavicol from Piper betle Leaves
- 2013 - 2016** Resiquimod Microsponge Formulation As A Potent Delivery System To Treat Skin Cancer And Viral Skin Lesioins
- 2013 - 2016** Continuous Micronization and Particle Formation of Malaysian Medicinal Extracts Using Different Supercritical Antisolvent Techniques
- 2013 - 2016** Development of Halal Cosmetics from Extraction of Hydroxychavicol from the Leaves of P.betle in Natural-derivative Chitosan Topical Cream Formulation

### المنشورات

#### Article

- 2019** [Development and validation of UV-vis spectroscopic method of assay of carbamazepine in microparticles.](#) International Journal of Applied Pharmaceutics , 11 (1) pp.34-37
- 2017** [Fabrication of face cream containing enriched fraction of protocatechuic acid from Clinacanthus nutans \(C. Nutans\) leaves.](#) Malaysian Journal of Pharmacy , 3 (1 (Supplement)) pp.47-47
- 2017** [Extraction of protocatechuic acid enriched fraction from Clinacanthus nutans leaves.](#) Malaysian Journal of Pharmacy , 3 (1 (Supplement)) pp.23-23
- 2017** [Skin lightening effect of seaweed gel formulation: An in vivo study.](#) Malaysian Journal of Pharmacy , 3 (1 (Supplement)) pp.45-45

- 2017** [The evaluation of physicochemical and anti-microbial properties of honey based hydrogel.](#) Malaysian Journal of Pharmacy , 3 (1 (Supplement)) pp.25-25
- 2017** [Subcritical water extraction as a modern green extraction technique of hydroxychavicol from piper betle linn. leaves.](#) Malaysian Journal of Pharmacy , 3 (1 (Supplement)) pp.24-24
- 2017** [Stingless bee honey, the natural wound healer: a review.](#) Skin Pharmacology and Physiology , 30 pp.66-75
- 2016** [Preparation, characterization and in vitro release study of BSA-loaded double-walled glucose-poly\(lactide-co-glycolide\) microspheres.](#) Archives of Pharmacal Research , 39 (9) pp.1242-1256
- 2016** [The enlightenment from Malaysian consumers' perspective towards cosmetic products.](#) Journal of Pharmacy And Bioallied Sciences pp.1-6
- 2016** [Honey, a gift from nature to health and beauty: a review.](#) British Journal of Pharmacy , 1 (1) pp.46-54
- 2016** [Preparation, characterization and in vitro release studies of insulin-loaded double-walled poly\(lactide-co-glycolide\) microspheres.](#) Drug Delivery and Translational Research pp.1-11
- 2016** [The use of sunscreen products among final year medicine and pharmacy students: a cross-sectional study of knowledge, attitude, practice, and perception.](#) Journal of Research in Pharmacy Practice , 5 (3) pp.193-199
- 2016** [Validity and reliability of the Malaysian version of parent attitudes about Childhood Vaccines \(PACV\) survey.](#) Value in Health , 19 (3) pp.A213
- 2016** [Extraction optimization and properties of collagen from chicken \(Gallus gallus domesticus\) feet.](#) International Medical Journal Malaysia (IMJM) , 15 (Supplement issue) pp.37
- 2016** [Malaysian consumers' awareness, perception, and attitude toward cosmetic products: Questionnaire development and pilot testing.](#) Journal of Pharmacy And Bioallied Sciences , 8 (3) pp.203-209
- 2015** [Knowledge and practice of pharmacy students regarding the use of skin whitening product.](#) Value in Health , 18 (3) pp.A179
- 2015** [Study of psychological stress and acne vulgaris among pharmacy-students.](#) Value in Health , 18 (3) pp.A179-A180
- 2015** [Adverse cosmetic reactions among Malaysian.](#) Malaysian Journal of Pharmacy , 2 (1) pp.129
- 2015** [Knowledge, awareness, and perception of contraception among senior pharmacy students in Malaysia: a pilot study.](#) Journal of Research in Pharmacy Practice , 4 (2) pp.94-98
- 2015** [Formulation and characterization of resiquimod microsponges loaded gel.](#) Malaysian Journal of Pharmacy , 2 (1) pp.163
- 2015** [Nanosuspension technology in salicylic acid and its particle size characterization.](#) Malaysian Journal of Pharmacy , 2 (1) pp.161

- 2015 [Development and characterization of topical caffeine sunscreen formulation.](#) Malaysian Journal of Pharmacy , 2 (1) pp.162
- 2015 [A cosmetovigilance survey in Malaysia.](#) Malaysian Journal of Pharmacy , 2 (1) pp.124
- 2015 [A comprehensive review of the cosmeceutical benefits of Vanda species \(Orchidaceae\).](#) Natural Product Communications , 10 (8) pp.1483-1488
- 2014 [Immunization knowledge and practice among Malaysian parents: a questionnaire development and pilot-testing.](#) BMC Public Health , 14 (1107) pp.1-7
- 2014 [Does an educational intervention improve parents' knowledge about immunization? Experience from Malaysia.](#) BMC Pediatrics , 14 (254) pp.1-7
- 2014 [Non-invasive measurement method of skin conditions by using Dermalab@Combo.](#) Malaysian Journal of Pharmaceutical Sciences , 1 (11) pp.91
- 2014 [Knowledge and perception of medical and pharmacy students toward the usage of sunblock.](#) Value in Health , 17 (7) pp.A605

#### **Conference or Workshop Item**

- 2019 [Immunomodulatory effect of stingless bee honey on wound healing mechanism in LPS-activated RAW 264.7 cells.](#) In: **24th World Congress of Dermatology**
- 2019 [Extraction of Asian ancient leaf, Piper betle using a modern and green technology.](#) In: **International Pharmacy Conference (IPC) 2019**
- 2018 [Evaluation of the efficacy of a topical slimming and anti-cellulite cream containing caffeine in vivo study.](#) In: **4th International Pharmaceutical Research Conference 2018**
- 2018 [Formulation and evaluation of stability o/w cream containing caffeine.](#) In: **4th International Pharmaceutical Research Conference 2018**
- 2018 [Unfolding the story of dermocosmetics.](#) In: **MyCRS Seminar 2018**
- 2018 [Effects of smoking on skin conditions: in vivo assessment.](#) In: **4th International Pharmaceutical Research Conference 2018**
- 2018 [A step forward to develop pharmacist with cosmeceutical knowledge in community pharmacy setting: a pilot study.](#) In: **4th International Pharmaceutical Research Conference 2018**
- 2018 [Manufacturing considerations & stability testing.](#) In: **Certificate Course in Pharmaceutical & Cosmetic Product Development**
- 2018 [Efficacy tests for cosmetic products.](#) In: **Certificate Course in Pharmaceutical & Cosmetic Product Development**
- 2017 [Extraction optimization and characterization of collagen from chicken \(gallus gallus domesticus\) feet.](#) In: **5th International Conference on Chemical, Agricultural, Biological and Environmental Sciences (CAFES-17)**
- 2017 [Formulation and characterization of cosmetic cream incorporating piper Betle Linn. extract.](#) In: **Malaysia Pharmaceutical Society Conference 2017**

- 2017 [Cosmetic research – Reaching beyond the fantasy.](#) In: **CUCMS Research Colloquium (CRC) 2017**
- 2017 [Effect of cosmetic cream containing Piper Betle L. extract on skin: a pilot study.](#) In: **Malaysia Pharmaceutical Society Conference 2017**
- 2017 [Microsponges – a novel carrier for resiquimod.](#) In: **The JSPS-NRCT Follow-Up Seminar 2017 and 33rd International Annual Meeting in Pharmaceutical Sciences (JSPS-NRCT 2017 and IAMPS33)**
- 2017 [The effect of tualang honey cream on skin hydration and elasticity – in vivo study.](#) In: **The JSPS-NRCT Follow-Up Seminar 2017 and 33rd International Annual Meeting in Pharmaceutical Sciences (JSPS-NRCT 2017 and IAMPS33)**
- 2017 [Incorporation of natural wound healer \(honey\) into hydrogel.](#) In: **The JSPS-NRCT Follow-Up Seminar 2017 and 33rd International Annual Meeting in Pharmaceutical Sciences (JSPS-NRCT 2017 and IAMPS33)**
- 2016 [Extraction optimization and properties of collagen from chicken \(Gallus gallus domesticus\) feet.](#) In: **Medical Research Symposium (MRS) and Pacific Partnership in Conjunction with Kuantan Research Day 2016**
- 2016 [Authentication of isolated hydroxychavicol from p. Betle linn. Leaves using nuclear magnetic resonance spectroscopy.](#) In: **Pharma BioAsia Conference 2016**
- 2016 [Consumers' perspective towards cosmetic products in Malaysia: a qualitative interview study.](#) In: **Pharma+BioAsia 2016 Conference**
- 2016 [Optimisation of honey-based hydrogel formulations using response surface modeling.](#) In: **Regional Conference On Science, Technology & Social Sciences**
- 2016 [Optimisation of extraction method to obtain chitosan from squid pen.](#) In: **International Conference on Industrial Pharmacy (2nd ICIP 2016)**
- 2016 [Sensory analysis of texture and appearance lip balm containing olive oil.](#) In: **2nd International Conference on Industrial Pharmacy (ICIP 2016)**
- 2016 [Influence of drug: polymer ratio in entrapment of salicylic acid into microsphere .](#) In: **2nd International Conference on Industrial Pharmacy (ICIP 2016)**
- 2016 [Screening of the factors for hydrogel synthesis using design-of-experiment.](#) In: **Pharma+BioAsia 2016 Conference**
- 2016 [The influence of demographic profiles on skin conditions.](#) In: **Pharma+BioAsia 2016 Conference**
- 2015 [Preparation, characterization and release profiles of insulin-loaded double-walled poly\(lactide-co-glycolide\) microspheres.](#) In: **Controlled Release & Drug Delivery Symposium 2014 (CRDDS 2015)**
- 2015 [Nanosuspension technology in salicylic acid and its particle size characterization.](#) In: **12th MPS Malaysia Pharmacy Scientific Conference 2015**

- 2015 [Awareness, perception and attitude of Malaysian consumers towards cosmetic products.](#) In: **5th International Conference on Advancement in Science and Technology (iCAST 2015)**
- 2015 [Preparation of natural chitosan from pens of squid \*Loligo spp.\*](#) In: **5th International Conference on Advancement in Science and Technology (iCAST 2015)**
- 2015 [Adverse cosmetic reactions among Malaysian.](#) In: **12th MPS Malaysia Pharmacy Scientific Conference 2015**
- 2015 [Development and characterization of topical caffeine sunscreen formulation.](#) In: **12th MPS Malaysia Pharmacy Scientific Conference 2015**
- 2015 [A cosmetovigilance survey in Malaysia.](#) In: **12th MPS Malaysia Pharmacy Scientific Conference 2015**
- 2015 [Formulation and characterization of resiquimod microsponges loaded gel.](#) In: **12th MPS Malaysia Pharmacy Scientific Conference 2015**
- 2015 [Evaluation of the skin penetration behaviour of sunscreen actives .](#) In: **The 6th APS International PharmSci 2015**
- 2015 [Preparation and characterization of resiquimod-loaded microsponges .](#) In: **The 6th APS International PharmSci 2015**
- 2015 [Moisturising effect of shea butter formulation .](#) In: **The 6th APS International PharmSci 2015**
- 2015 [Extraction, fractionation, and isolation of hydroxychavicol from piper betle leaves.](#) In: **The 6th APS International PharmSci 2015**
- 2014 [Non-invasive measurement method of skin conditions by using Dermalab® combo.](#) In: **25th FAPA Congress 2014**
- 2014 [Impact of educational intervention for improving Malaysian parents' knowledge towards their children immunization.](#) In: **5th FIP Pharmaceutical Sciences World Congress 2014**
- 2014 [State of the art in designing an effective topical formulation.](#) In: **Controlled Release & Drug Delivery Symposium 2014 (CRDDS 2015)**

**Book  
Book Section**

- 2018 [Microsponge: a potential delivery system for salicylic acid in treating acne.](#) In: **Current issues in pharmacy** IIUM Press, International Islamic University Malaysia . ISBN 9789674184544 , pp.127-148
- 2018 [Exploring the tropical plant wealth: skin and health benefits.](#) In: **Current issues in pharmacy** IIUM Press, International Islamic University Malaysia . ISBN 9789674184544 , pp.149-174
- 2018 [Cosmeceutical applications of clay minerals: a review.](#) In: **Current issues in pharmacy** IIUM Press, International Islamic University Malaysia . ISBN 9789674184544 , pp.275-296