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المؤهل العلمي

- Pharmacy
- Clinical Pharmacy
- Pharmacy

مسؤوليات التدريس

BIOAVAILABILITY & BIOEQUIVALENCE	2015/2016
BODY SYSTEM III : MUSCULOSKELETAL & SENSORY ORGANS	2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
CLINICAL PHARMACOKINETICS	2013/2014 2016/2017 2017/2018
COMMUNITY PHARMACY POSTING	2018/2019
COMMUNITY PHARMACY PRACTICE	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
COMMUNITY POSTING	2017/2018
Clinical Pharmacy II	2008/2009 2009/2010 2010/2011 2013/2014
Drug Abuse	2017/2018
E-COMMERCE	2018/2019 2019/2020
HOSPITAL PHARMACY PRACTICE	2016/2017 2017/2018
INNOVATIONS IN PHARMACY PRACTICE	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
INTRODUCTION TO PHARMACY PRACTICE	2013/2014 2014/2015
ISLAMIC INPUT IN PHARMACY	2010/2011 2013/2014 2014/2015 2015/2016 2016/2017
OTC (over the counter) Medication	2010/2011
PHARMACOKINETICS AND BIOPHARMACEUTICS	2017/2018
PHARMACY MANAGEMENT AND ADMINISTRATION	2014/2015
PT I : CVS, HAEMATOLOGY & RESPIRATORY DISORDERS	2013/2014 2014/2015 2015/2016 2017/2018 2018/2019 2019/2020

PT II : GIT, HEPATOBILIARY, GUT & MSK	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018
PT III : ENDOCRINE, CNS, PSYCHIATRY & OTHER DISEASES	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
PT IV : INTERN MED, PSYCH, PAED, SURGERY AND O&G DISORDERS	2013/2014 2014/2015 2016/2017 2017/2018
Pharmaceutical Care	2009/2010 2010/2011
Pharmacotherapeutics II	2009/2010 2010/2011
Pharmacy Practice II	2010/2011
Pharmacy Practice III	2009/2010 2010/2011
Problem-based Learning II	2010/2011 2014/2015
RENAL PHARMACY	2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
RESEARCH IN PHARMACY	2015/2016
RESEARCH IN PHARMACY (BIostatISTICS & PHARMACOEPIDEMIOLoGY)	2017/2018
RESEARCH IN PHARMACY (BIostatISTIC & PHARMACOEPIDEMIOLoGY)	2014/2015 2018/2019 2019/2020
RESEARCH PROJECT 1	2014/2015 2016/2017
RESEARCH PROJECT 2	2015/2016
RESEARCH PROJECT-LITERATURE SEARCH	2014/2015 2015/2016 2016/2017

المشاريع البحثية

In Progress

- 2019 - Present** - Investigating the clinical and economical outcomes using patient-level of antibiotic utilization with the implementation of Antimicrobial Stewardship (AMS)
- 2018 - Present** - Pattern analyzer on concomitant use of opioid and benzodiazepine in patients with chronic non-cancer pain: The rising of opioid overdose death
- 2017 - Present** - Patient level of Tramadol Utilization: Prevalence, Patterns and Clinical Outcomes
- 2015 - Present** - Predicting the long term effects and the risks of abuse and misuse in long term opioid users with chronic non-cancer pain
- 2015 - Present** - Assessing the prescribing patterns and disbursement of benzodiazepine among health care professional in Malaysia health care facilities

Unknown - Present	Investigating the clinical and economical outcomes using patient-level of antibiotic utilization with the implementation of Antimicrobial Stewardship (AMS)
Completed	
2017 - 2017	Kajian Kebolehlaksanaan Penyampaian Perkhidmatan Alternatif (ASD) Dalam Perkhidmatan Penjagaan Warga Emas dan Pemulihan Penagihan Dadah
2015 - 2019	Predicting the long term effects and the risks of abuse and misuse in long term opioid users with chronic non-cancer pain
2015 - 2019	Assessing the prescribing patterns and disbursement of benzodiazepine among health care professional in Malaysia health care facilities
2014 - 2016	Trends In The Utilization Of Opioid Analgesics In Malaysian Healthcare Facilities: A Cross Sectional Observational Study
2011 - -1	The impact of Home Medication Review (HMR) in patients with Type 2 Diabetes Mellitus, living in rural areas of Kuantan, Pahang

المنشورات

Article

- 2019** [Patterns of initial opioid prescription and its association with short- and long-term use among opioid-naïve patients in Malaysia: a retrospective cohort study.](#) BMJ Open , 9 (7) pp.1-8
- 2019** [A systematic review and meta-analysis of the impact of collaborative practice between community pharmacist and general practitioner on asthma management.](#) Journal of Asthma and Allergy , 12 pp.109-153
- 2019** [Exploration of change in persistence patterns of opioid use among patients with non-cancer and cancer pain over a three-year follow-up period.](#) Journal of Pharmacy Practice and Research , xx (xx) pp.1-25
- 2019** [Sex differences in high opioid dose escalation among Malaysian patients with long term opioid therapy.](#) Journal of Pain Research pp.1-21
- 2019** [Patterns of adherence to prescribed opioids: the differential between opioid naïve and opioid existing patients of different age groups.](#) Pharmacoepidemiology & drug safety , 28 (S2) pp.457-458
- 2019** [Consensus among healthcare stakeholders on a collaborative medication therapy management model for chronic diseases in Malaysia; a Delphi study.](#) PLoS ONE , 14 (5) pp.1-28
- 2019** [Differential patterns of adherence to opioid therapy in opioid naïve and opioid existing patients with different age groups.](#) Frontiers in Pharmacology , 10 pp.1-9
- 2018** [Adherence to opioid therapy in patients with chronic non-cancer pain attending a pain clinic in Malaysia.](#) Asian Journal of Pharmaceutical and Clinical Research , 11 (Special Issue 3) pp.4-7
- 2018** [Prescribing patterns of benzodiazepine in Malaysia from 2014 to 2016.](#) Pharmacoepidemiology And Drug Safety , 27 (Supp. 2) pp.317

- 2018 [Trends and patterns of analgesic prescribing in Malaysian public hospitals from 2010 to 2016 : Tramadol predominately used.](#) Journal of Pain Research , 11 pp.1959-1966
- 2018 [Trends and patterns of analgesic utilization in Malaysia from 2010 to 2016: preference for tramadol.](#) Pharmacoepidemiology And Drug Safety , 27 (Supp. 2) pp.328
- 2017 [Co-prescription of opioids with benzodiazepine and other co-medications among opioid users: differential in opioid doses.](#) Journal of Pain Research , 10 pp.249-257
- 2016 [Dose and duration of opioid use in patients with cancer and noncancer pain at an outpatient hospital setting in Malaysia.](#) Pain Practice , 17 (6) pp.774-781
- 2014 [Changes in trends and pattern of strong opioid prescribing in primary care.](#) European Journal of Pain , 18 (9) pp.1343-1351
- 2012 [Prescribing of Strong Opioid Analgesics by UK Primary Care Physicians from 2000 to 2010.](#) Pharmacoepidemiology and Drug Safety , 21 (supp 3) pp.403-403
- 2010 [A randomized, controlled trial of oxycodone versus placebo in patients with postherpetic neuralgia and painful diabetic neuropathy treated with pregabalin.](#) The journal of pain : official journal of the American Pain Society , 11 (5) pp.462-471
- 2010 [Preliminary study of the plasma and cerebrospinal fluid concentrations of IL-6 and IL-10 in patients with chronic pain receiving intrathecal opioid infusions by chronically implanted pump for pain management..](#) Pain medicine , 11 (4) pp.550-561
- 2008 [An update on the pharmacological management of post-herpetic neuralgia and painful diabetic neuropathy.](#) CNS Drugs , 22 (5) pp.417-442

Conference or Workshop Item

- 2019 [Prescription-level of tramadol utilisation at a tertiary hospital setting in Malaysia: changing trends over a 7-year follow-up period.](#) In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICPRP 2019)**
- 2019 [A snapshot of the global policies and practices of medicine use reviews by community pharmacist in the management of chronic diseases: a narrative review.](#) In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICPRP 2019)**
- 2019 [Intra-peritoneal antibiotic utilization among Continuous Ambulatory Peritoneal Dialysis \(CAPD\) patients with peritonitis at a tertiary hospital setting in Malaysia.](#) In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICPRP 2019)**
- 2019 [Clinical outcomes and quality of life of patients with short-term and long-term opioid therapy for the treatment of non- cancer pain.](#) In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICPRP 2019)**
- 2019 [High opioid dose escalation to 100 and 200 mg per day in patients with long term opioid therapy: Sex difference.](#) In: **8th Congress of the Association of South-East Asian Pain Societies (ASEAPS) 2019**

- 2019 [Opioid crisis: Should Malaysia be worried?.](#) In: **Continuous Medical Education-Malaysian Association for Study of Pain**
- 2019 [Patterns of adherence to prescribed opioids: the differential between opioid naïve and opioid existing patients of different age groups.](#) In: **35th International Conference on Pharmacoepidemiology & Therapeutic Risk Management (ICPE)**
- 2019 [Plasma concentrations of pro-inflammatory cytokine IL-6 and anti-inflammatory cytokine IL-10 in short and long term opioid users with non-cancer pain.](#) In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICPRP 2019)**
- 2019 [Research on non-steroidal anti-inflammatory drugs in Malaysia: a bibliometric analysis.](#) In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICPRP 2019)**
- 2019 [Transformation in pharmacy education to meet the current demand.](#) In: **Pahang Pharmacy Conference 2019**
- 2019 [Opioids in non-cancer pain: Lesson from the West and experience from Malaysia.](#) In: **5th Pahang Pharmacy R&D Conference**
- 2019 [Healthcare database study in Malaysia: time to move forward.](#) In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICPRP 2019)**
- 2019 [Assessing adherence to direct oral anticoagulants \(DOACs\) among patients with atrial fibrillation in tertiary-care referral centers in Malaysia.](#) In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICPRP 2019)**
- 2019 [A bibliometric analysis on the productivity of opioid research in Malaysia.](#) In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICPRP 2019)**
- 2019 [Prescribing of non-steroidal anti-inflammatory drugs, tramadol and opioids in children: patterns of its utilization.](#) In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICPRP 2019)**
- 2019 [Ten years of strong opioid analgesics consumption in Malaysia and other Southeast Asian countries.](#) In: **International Conference on Pharmaceutical Research and Pharmacy Practice cum 14th IIUM-MPS Pharmacy Scientific Conference (ICPRP 2019)**
- 2018 [Persistence patterns of opioid use over three follow-up years: the difference between non-cancer and cancer pain.](#) In: **6th Biennial Scientific Meeting Malaysian Association for the Study of Pain 2018**
- 2018 [Adherence to opioid therapy in patients with chronic non-cancer pain attending a pain clinic in Malaysia.](#) In: **3rd International Conference on Pharmacy and Pharmaceutical Science**

- 2018 [A systematic review and meta-analysis of the impact of collaborative practice between community pharmacist and general practitioner on asthma management.](#) In: **2nd International Conference of Pharmacy and Health Sciences**
- 2018 [Patterns of initial opioid prescribing and its association with short and long-term use among opioid naïve patients: Experience from Malaysia.](#) In: **The 17th World Congress on Pain 2018**
- 2018 [Investigation of plasma concentrations of IL-6 and IL-10 in short and long-term opioid users with non-cancer pain.](#) In: **The 17th World Congress on Pain 2018**
- 2018 [Trends and patterns of analgesic utilization in Malaysia from 2010 to 2016: preference for tramadol.](#) In: **34th International Conference on Pharmacoepidemiology & Therapeutic Risk Management**
- 2018 [Systematic review of adherence to direct oral anticoagulants in patients with atrial fibrillation in clinical practice.](#) In: **1st International Conference on Pharmacy Practice 2018**
- 2018 [Student's perception on case based learning implementation and foreign lecturer participation in medium classroom.](#) In: **2nd International Conference on Chemistry, Chemical Process and Engineering 2018, IC3PE 2018**
- 2018 [Drug utilization in the era of big data.](#) In: **International Conference on Pharmaceutical Research and Practice**
- 2018 [Level of agreement among various health care stakeholders on collaboration between community pharmacist \(CP\) and general practitioner \(GP\) for a "collaborative medication therapy management" \(CMTM\) model for chronic diseases \(CDs\) in Malaysia: a Delphi study.](#) In: **2nd International Conference of Pharmacy and Health Sciences**
- 2017 [Trends of strong opioid consumption in Malaysia and other Southeast Asian countries from 2005 to 2014.](#) In: **11th International Symposium on Pediatric Pain**
- 2016 [Dose and duration of opioid use in patients with cancer and non-cancer pain at an outpatient hospital setting in Malaysia: A retrospective cross sectional study.](#) In: **16th World Congress on Pain**
- 2016 [Differential patterns of persistent opioid use in patients with cancer and non-cancer pain.](#) In: **ISPOR 7th Asia Pacific Conference**
- 2015 [Factors associated with prescription opioid overdose deaths in patients with non-cancer pain: a literature review.](#) In: **12th MPS Malaysia Pharmacy Scientific Conference 2015**
- 2015 [Patterns of opioid prescribing for treating pain in patients with different age and gender: A retrospective cross sectional study.](#) In: **12th MPS Pharmacy Scientific Conference 2015 (MPS-PSC 2015)**
- 2015 [Factors associated with prescription opioid overdose deaths in patients with non-cancer pain: A literature review.](#) In: **12th MPS Pharmacy Scientific Conference 2015 (MPS-PSC 2015)**

- 2015 [Patterns of opioid prescribing for treating pain in patients with different age and gender: a retrospective cross sectional study .](#) In: **12th MPS Malaysia Pharmacy Scientific Conference 2015**
- 2014 [Effect of a home medication review program on medication adherence, HbA1c, fasting blood sugar, blood pressure, and lipid profiles in patients with type 2 diabetes mellitus: a randomized controlled trial..](#) In: **Federation of Asean Pharmaceutical Association Congress 2014**
- 2014 [The impact of Home Medication Review \(HMR\) in patients with type 2 Diabetes Mellitus \(T2DM\) living in rural areas in Kuantan, MALAYSIA.](#) In: **ISPOR 19th Annual International Meeting**
- 2012 [Prescribing of strong opioid analgesics by UK primary care physicians from 2000 to 2010.](#) In: **28th International Conference on Pharmacoepidemiology and Therapeutic Risk Management**
- 2012 [Transdermal Buprenorphine: utilization trends in United Kingdom primary care practices.](#) In: **FIP Centennial Congress**
- 2012 [Increasing utilization of strong opioid analgesics in a UK primary care population.](#) In: **14th World Congress on Pain**
- 2012 [Academic achievement as a predictor of success in bachelor of pharmacy degree examinations: Preliminary findings.](#) In: **First International Conference on Pharmacy Education in the Era of Globalisation 2012**
- 2011 [The impact of continuous assessments in replacing mid-semester examinations for undergraduate pharmacy students at International Islamic University Malaysia .](#) In: **European Association of Faculties of Pharmacy - Annual Congress 2011**

**Book
Book Section**