

PROFILE		
1	NAME	Janattul Ain Jamal
2	ACADEMIC POSITION	Principal Lecturer
3	STATUS OF APPOINTMENT	Permanent
4	CITIZENSHIP	Malaysian
5	EDUCATION	<ul style="list-style-type: none"> ● PhD (Critical Care Pharmacy), University of Queensland, Australia – 2015; ● Master of Clinical Pharmacy, Universiti Kebangsaan Malaysia – 2009; ● Bachelor of Pharmacy (Hons), Universiti Kebangsaan Malaysia – 2003.
6	WORKING EXPERIENCE	<ul style="list-style-type: none"> ● Principal Lecturer (VK7) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 3 April 2023- Present ● Senior Clinical Pharmacist (Head of Pharmacotherapy Unit / Infectious Diseases - SME) (Gred Khas C - KUP), Hospital Pulau Pinang, Pulau Pinang, Jun 2021 – Mac 2023 ● Senior Clinical Pharmacist (Head of Pharmacotherapy Unit / Intensive Care Unit / Infectious Disease) (UF54), Hospital Tengku Ampuan Afzan, Pahang, Jun 2018 – May 2021 ● Senior Clinical Pharmacist (Head of Pharmacotherapy Unit / Intensive Care Unit / Infectious Disease) (UF52), Hospital Tengku Ampuan Afzan, 2015 – 2018 ● Senior Clinical Pharmacist (Intensive Care Unit / Infectious Disease) (U48), Hospital Tengku Ampuan Afzan, 2011 – 2015 ● Senior Clinical Pharmacist (Intensive Care Unit) (U44), Hospital Tengku Ampuan Afzan, 2010-2011 ● Senior Clinical Pharmacist (Intensive Care Unit / Parenteral Nutrition Service) (U41), Hospital Tengku Ampuan Afzan, 2006 – 2010 ● Pharmacist (Therapeutic Drug Monitoring) (U41), Hospital Mentakab / Temerloh, Pahang, 2004-2005 ● Housemanship (U41), Hospital Tengku Ampuan Afzan, Pahang, 2003-2004

7	CURRENT ACADEMIC RESPONSIBILITIES	<ul style="list-style-type: none"> ● PHC415: Pharmacy Practice (Tutorial) ● PHC465: Sterile Pharmaceuticals (Resource Person, Tutorial) ● PHC633: Clinical Pharmacokinetics (Lecture, Tutorial) ● PHC634: Pharmacology of Anti-Infective Agents (Lecture) ● PHC691: Applied Therapeutics in Gastrointestinal, Renal and Endocrine Disorders (OSCE) ● PHC692: Applied Therapeutics in Cardiovascular and Pulmonary Disorders (OSCE) ● PHP723: Advanced Clinical Pharmacy II (Resource Person, Lecture, Tutorial) ● PHP733: Advanced Clinical Clerkship II (Clerkship) ● PHP711: Personalised Medicine – Clinical Pharmacokinetics & Pharmacogenomics (Tutorial)
8	RESEARCH INTERESTS/ PROJECTS	<ul style="list-style-type: none"> ● Pharmacokinetics and Pharmacodynamic ● Personalised Medicine ● Critical Care & Infectious Disease
9	PUBLICATIONS	<p>Book Chapter</p> <ul style="list-style-type: none"> ● Jamal JA, Abdul-Aziz MH, Levkovich B, Roberts JA, Clinical Pharmacy Considerations in ICU. In: Encyclopedia of Pharmacy Practice & Clinical Pharmacy. 2019. Elsevier Inc. Pg 849-862. ● Jamal JA, Roberts JA. Aminoglycoside dosing in obesity in Drug Dosing in Obesity 2016. Springer International Publishing. Pg 31-44. ● Jamal JA, Roberts JA. Polyene dosing in obesity in Drug Dosing in Obesity 2016. Springer International Publishing. Pg 109-115. <p>Journal article</p> <ul style="list-style-type: none"> ● Roberts JA, Joynt G, Lee A, Choi G, Bellomo R, Kanji S, Mudaliar MY, Peake SL, Stephens D, Taccone FS, Ulldemolins M, Valkonen MM, Agbeve J, Baptista JP, Bekos V, Boidin C, Brinkmann A, Buizen L, Castro P, Cole CL, Creteur J, De Waele JJ, Deans R, Eastwood GM, Escobar L, Gomersall C, Gresham R, Jamal JA, Kluge S, König C, Koulouras VP, Lassig-Smith M, Laterre PF, Lei K, Leung P, Lefrant JY, Llauradó-Serra M, Martin-Loeches I, Mat Nor MB, Ostermann M, Parker SL, Rello J, Roberts DM, Roberts MS, Richards B, Rodríguez A, Roehr AC, Roger C, Seoane L,

		<p>Sinnollareddy M, Sousa E, Soy D, Spring A, Starr T, Thomas J, Turnidge J, Wallis SC, Williams T, Wittebole X, Zikou XT, Paul S, Lipman J. The effect of renal replacement therapy and antibiotic dose on antibiotic concentrations in critically ill patients: Data from the multinational SMARRT Study. <i>Clin Infect Dis</i>. 2021. 72(8):1369-1378</p> <ul style="list-style-type: none"> ● Jamal JA, Abdul Jabar SNN, Wee Jia Li, Che Wan Ahmad CWMH, M. Nordin N, Cheong JY. Can Pharmacokinetic data be used to guide gentamicin dosing and to reduce therapeutic drug monitoring frequency in neonates? A retrospective analysis. <i>J Health Management</i> 2019. 16(1): 46-54. ● Jamal JA, Roger C, Roberts JA. Understanding the impact of pathophysiological alterations during critical illness on drug pharmacokinetics. <i>Anaesth Crit Care Pain Med</i> 2018. 37: 515–517 ● Abdul-Aziz MH, Sulaiman H, Mat-Nor MB, Rai V, Wong KK, Hasan MS, Abd. Rahman AN, Jamal JA, Wallis SC, Lipman J, Staatz CE, Roberts JA. Beta-lactam infusion in severe sepsis (BLISS): A prospective, two-centre, open-labelled randomized controlled trial of continuous versus intermittent beta-lactam infusion in critically ill patients with severe sepsis. <i>Inten Care Med</i> 2016. 42(10): 1535-1545. ● Jamal JA, Udy AA, Wallis SC, Ranganathan D, McWhinney B, Ungerer JP, Lipman J, Roberts JA. Can we use an ex vivo continuous haemofiltration model to describe the adsorption and elimination of meropenem and piperacillin? <i>Int J Artif Organs</i> 2015. 38(8): 419-424. ● Jamal JA, Roberts DM, Udy AA, Mat-Nor MB, Mohamad-Nor FS, Wallis SC, Lipman J, Roberts JA. Pharmacokinetics of piperacillin in critically ill patients receiving continuous venovenous haemofiltration: A randomized controlled trial of continuous infusion versus intermittent bolus administration. <i>Int J Antimicrob Agents</i> 2015. 46(1): 39-44. ● Jamal JA, Mueller BA, Choi G, Lipman J, Roberts JA. How can we ensure effective antibiotic dosing in critically ill patients receiving different types of renal replacement therapy? <i>Diagn Microbiol Infect Dis</i> 2015. 82(1): 92-103. ● Tsai D, Jamal JA, Davis JS, Lipman J, Roberts JA. Interethnic differences in pharmacokinetics of antibacterials. <i>Clin Pharmacokinetics</i> 2015. 54(3): 243-
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- **Jamal JA**, Mat-Nor MB, Mohamad-Nor FS, Udy AA, Wallis SC, Lipman J, Roberts JA. Pharmacokinetics of meropenem in critically ill patients receiving continuous venovenous haemofiltration: A randomised controlled trial of continuous infusion versus intermittent bolus administration. *Int J Antimicrob Agents* 2015. 45(1): 41-45.
- **Jamal JA**, Udy AA, Lipman J, Roberts JA. The impact of variation in renal replacement therapy settings on piperacillin, meropenem, and vancomycin drug clearance in the critically ill: An analysis of published literature and dosing regimens. *Crit Care Med* 2014. 42(7): 1640-1650.
- **Jamal JA**, Mat-Nor MB, Mohamad-Nor FS, Udy AA, Lipman J, Roberts JA. A national survey of renal replacement therapy prescribing practice for acute kidney injury in Malaysian intensive care units. *Nephrology* 2014. 19(8): 507-512.
- **Jamal JA**, Abdul-Aziz MH, Lipman J, Roberts JA. Defining antibiotic dosing in lung infections. *Clin Pulm Med* 2013. 20(3): 121-128
- **Jamal JA**, Economou CJP, Lipman J, Roberts JA. Improving antibiotic dosing in special situations in the ICU: Burns, renal replacement therapy and extracorporeal membrane oxygenation. *Curr Opin Crit Care* 2012. 18(5): 460-71
- Mat Nor MB, **Jamal JA**, Md Ralib A, Abdul Hadi Mohamed AH. Hypophosphatemia in the intensive care unit: Incidence, predictors and management. *The Int Med J Malaysia* 2012. 11(1):31-36.

Dissertation and master thesis

- **Jamal JA**. β -lactam antibiotic pharmacokinetics during continuous venovenous haemofiltration in critically ill patients: Continuous Infusion versus intermittent bolus administration [PhD dissertation]. Australia: University of Queensland; 2015.
- **Jamal JA**. A study on prevalence, risk factors and management of hypophosphatemia in critically ill patients [Master of Clinical Pharmacy dissertation]. Malaysia: Universiti Kebangsaan Malaysia; 2009.

Policy / Guideline

- Critical Care Pharmacy Handbook 2nd Edition (2020). Ministry of Health Malaysia (Contributor)

		<ul style="list-style-type: none"> ● Antimicrobial Stewardship Training Module for Pharmacist, Ministry of Health, Malaysia (2019) (Contributor) ● Critical Care Training Module for Pharmacist, Ministry of Health, Malaysia (2019) (Contributor) ● The Report on Antibiotic Utilisation in Malaysia Hospitals 2008-2017. Ministry of Health Malaysia (Contributor) ● Pharmacy Research Priorities in Malaysia 2018. Ministry of Health Malaysia (Contributor) ● Guide to Antimicrobial Therapy in the Adult ICU 2017. Ministry of Health Malaysia (Expert reviewer) ● Critical Care Pharmacy Handbook 1st Edition (2012). Ministry of Health Malaysia (Contributor)
10	AWARDS	<ul style="list-style-type: none"> ● Silver Award in Pharm IIDEx 2023 [Project - Electronic cleanroom navigation toolkit (eCLINT 1.0): Empowering student's visit to sterile complex] ● Bronze Award in Pharm IIDEx 2023 [Project - Interactive pamphlet for chronic kidney disease awareness version 1.0 (CKD iPamphlet 1.0)]
11	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	<ul style="list-style-type: none"> ● Member, European Society of Clinical Microbiology and Infectious Diseases (ESCMID), 2023-present ● Member, Malaysian Society of Infection Control and Infectious Diseases (MyICID), 2023-present
12	PARTICIPATION IN CONTINUING EDUCATION	<ul style="list-style-type: none"> ● Speaker, Antimicrobial Stewardship Program Negeri Terengganu 2019, Kuala Terengganu, Malaysia ● Speaker, National Clinical Pharmacokinetic Updates 2019, Putrajaya, Malaysia ● Speaker, Updates in Antimicrobial Stewardships Negeri Selangor 2019, Selangor, Malaysia ● Speaker, Pahang Anaesthesia Update Course 2019, Pahang, Malaysia ● Speaker & Facilitator, Bengkel Farmasi Klinikal ke-7 Negeri Sabah 2019, Sabah, Malaysia ● Speaker, Penang Pharmacy Research Day 2021, Pulau Pinang, Malaysia ● Speaker, Kursus Latihan Antimicrobial Stewardship (AMS) untuk Pegawai Farmasi Hospital Kulim 2021, Kedah, Malaysia ● Speaker, Southern Pharmacy Conference 2021. Malaysian Pharmaceutical Society ● Speaker, Patient Personalized Approach Webinar 2021. Pharmaceutical Services Programme, Ministry

		<p>of Health, Malaysia</p> <ul style="list-style-type: none"> ● Speaker, Kursus Pengenalan Penyelidikan dan Pembangunan (R&D) Farmasi Hospital Pulau Pinang 2021, Pulau Pinang, Malaysia ● Speaker, Perak Infectious Disease & Antimicrobial Course (PIDAC) 2022, Perak, Malaysia ● Speaker, Seminar National Clinical Pharmacokinetics Update (NCPU) 2.0, 2022. MOH, Malaysia ● Speaker, Kursus Latihan Antimicrobial Stewardship (AMS) untuk Pegawai Farmasi Hospital Kulim 2022. Kedah, Malaysia ● Speaker. 3rd International Research Network Initiative (IRNI) 2022 (UiTM). ● Speaker, World Antimicrobial Awareness Week Campaign, Penang 2022 ● Speaker, National Oncology Pharmacy Conference 2023. Institut Kanser Negara, Putrajaya, Malaysia ● Speaker, 1st Pahang Antimicrobial Stewardship & Infection Control (AMSIC) Conference 2023, Pahang, Malaysia
13	COMMUNITY SERVICES	<ul style="list-style-type: none"> ● Interviewer, Mock Interview, Pharmacy Enrichment Programme 2023, Faculty of Pharmacy UiTM ● Speaker, Pharmicare 2023, Faculty of Pharmacy UiTM