

# Syed Shahzad Hasan, PhD

**MSc Clinical Pharmacy Course Leader** (Huddersfield, UK)  
**Senior Research Fellow** (Huddersfield, UK)  
**Senior Lecture Conjoint** (Newcastle, Australia)

## Contact

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[LinkedIn](#) · [Scopus](#) ·  
[ResearchGate](#) · [Google Scholar](#)

## Education

**Doctor of Philosophy** (2015) in  
Chronic Disease Epidemiology  
School of Population Health &  
Pharmacy, the University of  
Queensland, Australia

**Master's degree** (2007) in  
Clinical Pharmacy  
School of Pharmaceutical  
Sciences, University of Sciences  
Malaysia (USM), Malaysia

**Bachelor of Pharmacy** (2005)  
Faculty of Pharmacy, University  
of Karachi, Pakistan

## Summary

I have 19 years of professional experience as a full-time academic staff, researcher, and healthcare professional in Malaysia, Australia, Pakistan, and the United Kingdom. I have taught a range of pharmacy practice and research-related topics at the University level pharmacy courses: University of Strathclyde (MPharm); International Medical University (BPharm and MSc), University of Queensland, Australia (BPharm); University of Newcastle, Australia (BPharm & Biomedical); and the University of Huddersfield, UK (MPharm and MSc). I have a strong record of producing high-quality scientific and educational research outputs. My research focuses on evidence synthesis, pharmacy practice and education, chronic disease epidemiology, health services research, pharmacoepidemiology, and medication safety. I won many competitive, merit-based International Research Awards, including the ISPOR Excellent Research Article Award. I regularly perform editorial duties and review articles for leading pharmacy and medical journals. I am actively supervising (undergraduate and postgraduate) research students, reviewing research grant applications, and conducting PhD thesis examinations (national and international).

## Experience

*Oct. 2018 – to date*

MSc Clinical Pharmacy Course Leader & Senior Research Fellow

• Teaching & Research • **University of Huddersfield**, Huddersfield, UK

Topics taught: Research methods, biostatistics, pharmaceutical & health policy, evidence synthesis, pharmacoepidemiology, critical appraisal, clinical pharmacy practice, public health policy & systems, pharmacoconomics.

Research activities: Research supervision, peer-reviewing, submitting internal and external funding applications, thesis examination, academic editor

*March 2018 – to date*

Senior Lecturer • Conjoint Position • **The University of Newcastle**, Newcastle, Australia

Research activities: Research supervision, internal and external funding applications.

## Certifications

Certificate in Biostatistics and Epidemiology School of Population Health, The University of Queensland, Australia	<p><i>Sep 2017 – Oct 2018</i> Research Fellow • Research Position • <b>University of Huddersfield</b>, Huddersfield, UK</p> <p><u>Topics taught:</u> Evidence synthesis, critical appraisal, clinical pharmacy practice, research methods in pharmacy practice</p> <p><u>Research activities:</u> Research supervision, peer-reviewing, submitting internal and external funding applications, thesis examination, academic editor</p>
Fundamentals of T & L ICE Training Centre International Medical University Malaysia	<p><i>Nov. 2015 – Sep. 2017</i> Senior Lecturer • Teaching &amp; Research • <b>International Medical University</b>, Kuala Lumpur, Malaysia</p> <p><u>Topics taught:</u> EBM, pharmacoconomics, biostatistics, health services research, pharmacoepidemiology, experiential learning.</p> <p><u>Research activities:</u> Research supervision, peer-reviewing, submitting internal and external funding applications, thesis examination</p>
e-Learning (license) certification International Medical University Malaysia	<p><i>Nov. 2014 – Feb. 2015</i> Postdoc Research Associate • Research • <b>James Cook University &amp; University of Queensland</b>, Australia</p> <p><u>Research activities:</u> Chronic disease epidemiology, health services pharmacoepidemiology.</p>
Good Clinical Practice IMU and Malaysian Drug Control Authority	<p><i>Jan. 2012 – Jul. 2014</i> Academic Tutor • Teaching • <b>University of Queensland</b>, Brisbane, Australia</p> <p><u>Topics taught:</u> Critical appraisal, EBM, and biostatistics.</p>
	<p><i>Oct. 2007 – Jul. 2011</i> Lecturer • Teaching • <b>The University of Strathclyde</b>, Kuala Lumpur Campus, Malaysia</p> <p><u>Topics taught (MPharm):</u> Foundation pharmacy, drug and diseases, critical appraisal, hospital placement.</p>
	<p><i>Oct. 2007 – Jul. 2011</i> Lecturer • Teaching &amp; Research • <b>International Medical University</b>, Kuala Lumpur, Malaysia</p> <p><u>Topics taught (BPharm):</u> Clinical pharmacy, hospital placement, Pharmacoepidemiology, critical appraisal, EBM, pharmacotherapy, biostatistics to health sciences and pharmacy students.</p>
	<p><i>Feb 2005 – Jun. 2006</i> Hospital Pharmacist • Healthcare Professional • <b>Aga Khan University Hospital</b> (JCI-Accredited Teaching Hospital), Karachi, Pakistan</p>

## Research Skills

Evidence synthesis  
Clinical Pharmacy Practice  
Chronic Disease Epidemiology  
Meta-analysis  
Health Services Research  
Pharmacoepidemiology  
Pharmacy education  
Electronic Health Records  
Machine learning/AI in analysis

## Teaching Skills

Traditional T/L Methods  
Simulation-Based Instruction  
Technology Enabled Learning  
Experiential Learning  
Problem-Based Learning  
OSCE & Skills Development  
Research-led T/L

## Key skills

Higher Education  
T/L Framework  
Pharmacist-led interventions  
Pharmaceutical interventions

## Fellowships & Memberships

Fellow of the Higher Education Academy (FHEA)  
Higher Education Academy, UK

Fellow of Royal Society of Public Health (FRSPH)  
Royal Society for Public Health, London, UK

Member (SRPharmS)  
Royal Pharmaceutical Society of Great Britain

Member (AITHM)  
Australian Institute of Tropical Health and Medicine, Australia

Past Member (FIP)  
International Pharmaceutical Federation

Member (PPPRC)  
Pharmaceutical Policy and Practice Research Centre, UoH

Past Member (MPS)  
Malaysian Pharmaceutical Society

Registered Pharmacist (RPh)  
Sindh Pharmacy Council, Pakistan

## Key responsibilities

Course committees  
Admissions  
Student interviews  
Curriculum update  
Curriculum revision  
Research leadership

## Leadership

Postgraduate MSc Course Leader  
University of Huddersfield, UK

Lead, Evidence Synthesis Research Group  
University of Huddersfield, UK

Postgraduate Course Committee Lead  
University of Huddersfield, UK.

Global Connect Clinical Leadership Initiative in collaboration with  
Monash University, Uni of Queensland, Uni of Auckland, Uni of the  
Western Cape, South Africa.

Postgraduate Admission Tutor (MSc Courses)  
University of Huddersfield, United Kingdom.

Research Methods Module Lead  
University of Huddersfield, United Kingdom.

Research Project Module Lead  
University of Huddersfield, United Kingdom

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## Editorial Roles

**Associate Editor** (2023 – to date)  
Wiley Journal of Medical Virology (Q1, IF=12.7)

**Section Editor** (2019-2022)  
BMC Journal of Pharmaceutical Practice and Policy (Q1, IF=4.2)

**Associate Editor** (2015-2018)  
BMC Journal of Pharmaceutical Practice and Policy (Q1, IF=4.2)

**Topic Editor** (2019)  
Frontiers in Pharmacology (Q1, IF=5.6)

**Guest Editor** (2021)  
MDPI Pharmaceuticals (Q2, IF=4.6)

**Editorial Board**  
Springer Drugs and Therapy Perspective  
British Journal of Pharmacy (Not for profit University Press Initiative)

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## Peer review

**Research Grant Application Review**  
UK Research & Innovation – Medical Research Council (UKRI-MRC)  
Diabetes UK  
Medical Research Foundation

**Review Proposal**  
Cochrane

**Journals' Peer Review**  
Lancet Haematology, Public Health, Journal of American College of Cardiology, International Journal of Pharmacy Practice, BMJ Open, Journal of Pharmaceutical Practice and Policy, Diabetes Research and Clinical Practice, General Hospital Psychiatry, BMC Health Services Research, Journal of Psychiatric Research, etc

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## PhD Progression viva and thesis examination

**External**  
Qatar University, Qatar  
University of Lincoln, UK  
Monash University

**Internal**  
Conducted progression and thesis examination viva between 2019 and 2023.

- 18 PGR progression assessments
  - 4 Final PhD examinations
  - 4 PhD viva
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## Invitations to lecture and conferences

- Invited speaker at FIP Digital Events. International Pharmaceutical Federation. Therapeutic advances against COVID-19. August 2022
- Invited speaker at 2nd International Conference on “Pharmacist: A dire need of a healthy society”. World Pharmacist Day 20th & 21st October 2021. Jinnah University for Women, Pakistan
- Invited speaker – Updates on pharmacotherapy and pharmaceutical care in treating and managing COVID-19 patients. IMU Pharmacy Student Association (IPSA) Webinar, Malaysia. 21st September 2020.
- Invited Speaker – COVID-19: Opportunities and challenges for clinical pharmacist. Institute of Pharmacy, Faculty of Pharmaceutical and Allied Health Sciences, LCWU, Lahore, Pakistan, 20th August 2020.
- Invited speaker – International Pharmaceutical Federation Webinar – Key consideration for developing COVID-19 treatments: Learning from the past and planning for the future. 7th July 2020
- Invited speaker – Innovation in pharmacy and green chemistry during the post-COVID-19 era. International conference at JIS University, India. 11-13 June 2020.
- Hasan SS, Sunter W, Pryor AG, Ahmed R, Brkic A, Ahmed N, Yates A, Babar ZU. The comparison of service models of warfarin monitoring in Calderdale and Huddersfield Foundation Trust Hospitals in West Yorkshire, UK. 78th FIP Conference Glasgow, 2 – 6 September 2018

## Awards & Media coverage

- Recipient of 2020-21 Excellent Research Article Award by ISPOR (professional society for global health economics and outcomes research).
- Recipient of International Postgraduate Research Award, Australia
- Recipient of UQ Centennial Scholarship for PhD, Australia
- Use of corticosteroids in asthma and COPD patients with or without COVID-19 by Hasan et al., featured in the Washington Post Piece - California’s anti-misinformation bill is well intentioned. But it’s a bad idea. <https://www.washingtonpost.com/opinions/2022/09/12/california-covid-misinformation-bill-bad-idea/>
- Mortality in COVID-19 patients with acute respiratory distress syndrome (ARDS) and corticosteroids use: a systematic review and meta-analysis <https://finance.yahoo.com/news/endpoint-health-presents-research-society-170000863.html>
- Meta-analysis of Effect of Statins in Patients with COVID-19 featured in Statins Linked to Reduced Mortality in COVID-19. <https://www.medscape.com/viewarticle/936493>
- Real-world effectiveness of BNT162b2 mRNA vaccine: a meta-analysis of large observational studies cited in WHO report <https://apps.who.int/iris/handle/10665/343387>
- Our team of pharmacist researchers published more than 50 COVID-19 papers during the pandemic. RPS-PJ: <https://pharmaceutical-journal.com/article/opinion/our-team-of-pharmacist-researchers-published-more-than-50-covid-19-papers-during-the-pandemic>
- Research work has been cited by BMJ Best Practice and WHO.

- Appeared on EuroNews to discuss the safety of HCQ in COVID-19 patients.
- Appeared in 3 IGTV episodes as an expert (in partnership with Getz Pharmaceutical and The Second Floor, Pakistan).
- Invited by International Pharmaceutical Federation (FIP) to discuss COVID-19 treatment options.
- Research work has been featured in leading News outlets, including Reuters Health, The Washington Post, Medscape, and Med Page Today, Royal Pharmaceutical Society Press.

### External collaborations

- Research Mentoring - SAS and NHS Staff.
- Holding a conjoint faculty position at the University of Newcastle, Australia and Hamdard University, Pakistan
- Active international research collaboration with the following institutes:
  - NHS hospitals (CHFT & MidYorks NHS Trusts Hospitals)
  - Global Burden of Disease group
  - Association of Pakistani Physicians of Northern Europe (APPNE)
  - University of Sciences Malaysia (USM)
  - University of Newcastle, Australia
  - International Medical University, Malaysia
  - Hamdard University, Pakistan

### Research Grant 2009 - 2024

Funder	Title	Funder Reference	Date range	Total Award Value	Status (PI or Co-I)	Collaborator's institution
NIHR-Evidence synthesis Stage 1 - submitted	Glucagon-like peptide-1 receptor agonists in patients with liver disease	NIHR168206	5/2024	£169,074	PI	Sheffield Teaching Hospital
Hamdard Foundation/ Hamdard University Under review	Strengthening basic and district health units to address health inequality in marginalised urban areas in Karachi, Pakistan	TBC	5/2024 - 9/2024	PKR 1.5m (GBP 1 = PKR 358)	PI	Hamdard Foundation, Pakistan
Cancer Research UK-Cancer Policy Research Centre - Targeted Research	Mapping Patterns of Electronic Cigarette Marketing/Advertisement in the UK, 2016-2019: an Interrupted Time Series analysis	A30558	2021	£27,898.18	Co-investigator	University of Lincoln/ Imperial College London Shortlisted
International Medical University Research Fund	Assessment of an online medication review tool (MedReview) among community pharmacists	PHMS I/2021(02)	Mar - Dec 2021	RM 10,300 (GBP 1 = 5 RM)	Co-PI	International Medical University, Malaysia Awarded

Higher Education Commission, Pakistan Rapid Research Grant	Combating health-related misinformation during the COVID-19 pandemic.	6084	2020	PKR 3.9m	Co-PI	University of Karachi, Pakistan, University of Leeds & Ziauddin University
Medical Research Council, UK	Strengthening health systems in low and middle-income countries through evaluating cancer medicine prices, availability, and affordability	MRC 2019	2018-19	£200,000	Co-investigator	Rated 8.5/10
GCRF-Huddersfield University	Development of Sustainable Health Systems Through Investigating Medicine Prices and Affordability	GCRF-2018	2018	£7,500	Co-PI	Awarded
Wellcome Trust	Evaluating the impact of new cancer medicines on health outcomes and longevity in the UK	WL 2018	2018-19	192,000	Co-investigator	Unsuccessful
International Medical University Research Fund	Evaluation of Medication Appropriateness, Medication Burden, and Sleep Quality among Aged Care Home Residents.	IMU-385/2017	2017-2019	RM 18,700	Co-PI	International Medical University, Malaysia
International Medical University Research Fund	Beliefs about medicines and self-medication with analgesics in pain management.	BP I-01/14(57)2017	2016-17	RM 12,000	Co-PI	International Medical University, Malaysia Awarded
International Medical University Research Fund	Adherence of safety information on over-the-counter product labels and leaflets to the regulatory guidelines in Malaysia	BP I-01/14(40)2017	2016-17	RM 12,000	Co-PI	International Medical University, Malaysia Awarded
International Medical University Research Fund	Residential Aged Care Medication Review to Improve the Quality of Medication Use among the Older Population	IMU-349-2016	2016-2018	RM 17,550	PI	International Medical University, Malaysia Awarded
International Medical University Research Fund	An evaluation of medication appropriateness and medication burden in elderly patients	BP-I-01/14(09)-2017	2017-18	RM 12,000	PI	International Medical University, Malaysia Awarded
International Medical University Research Fund	Analgesic efficacy and safety of transdermal fentanyl patches in pain management	MPP-2017	2017	RM 5,500	PI	International Medical University, Malaysia Awarded
Australian Institute of Tropical Health and Medicine	Managing Diabetes in Northern Queensland using	AITHM-2016	2016	AUS \$ 119,980	Co-Investigator	James Cook University

Capacity Building Funds	de-identified dispensing data from pharmacies					
International Medical University Research Fund	Assessment of health care professional students' perception and understanding towards Professionalism	IMU-2015	2015	RM 6,000	Co-Investigator	International Medical University, Malaysia Awarded
International Medical University Research Fund	Patients and dental students' perception of empathy in a clinical environment	IMU-2014	2014	RM 6,000	Co-Investigator	International Medical University, Malaysia Awarded
International Medical University Research Fund	Evaluation of Patient Satisfaction with HIV/AIDS Care and Treatment	IMU-2013	2013	RM 3,000	Co-Investigator	International Medical University, Malaysia Awarded
International Medical University Research Fund	Study of predictors and correlates of glycaemic control and health related quality of life among women with diabetes mellitus	IMU-2012	2012	RM12,000	PI	International Medical University, Malaysia Awarded
International Medical University Research Fund	Levels of empathy in undergraduate healthcare students: a Malaysian cross-sectional study	IMU-2012	2012	RM11,000	Co-PI	International Medical University, Malaysia Awarded
International Medical University Research Fund	Perceived sources and factors affecting stress among medical, dental and health sciences students	IMU-2011	2011	RM12,000	PI	International Medical University, Malaysia Awarded
International Medical University Research Fund	HIV/AIDS related quality of life and related factors in people living with HIV/AIDS: generic and disease-specific assessments	IMU-2011	2011	RM6,000	PI	International Medical University, Malaysia Awarded
International Medical University Research Fund	Knowledge, attitudes and practices of HIV/AIDS patients and their caregivers towards HIV – associated oral lesions	IMU-2011	2011	RM3,000	Co-PI	International Medical University, Malaysia Awarded
International Medical University Research Fund	Identification and self-management of adverse drug reactions and its impact on health-related quality of life among HIV/AIDS patients	IMU-2010	2010	RM6,000	PI	International Medical University, Malaysia Awarded

International Medical University Research Fund	Factors affecting the practice-area preferences: A cross-sectional study on fully and probationary registered pharmacists	IMU-2010	2010	RM3,000	PI	Awarded	International Medical University, Malaysia
International Medical University Research Fund	Understanding, perception and self-practice of complementary and alternative medicine: a cross-sectional study on medical and health sciences students	IMU-2010	2010	RM12,000	PI	Awarded	International Medical University, Malaysia
International Medical University Research Fund	Anticoagulation related knowledge, quality of life and risk of thromboembolism among patients on warfarin therapy	IMU-2010	2010	RM12,000	PI	Awarded	International Medical University, Malaysia
International Medical University Research Fund	Evaluation of complementary and alternative medicine use among people living with HIV/AIDS	IMU-2009	2009	RM3,000	PI	Awarded	International Medical University, Malaysia
International Medical University Research Fund	Complementary and alternative medicine use among patients attending warfarin clinic	IMU-2009	2009	RM3,000	PI	Awarded	International Medical University, Malaysia
International Medical University Research Fund	Identification, categorisation, and recommendations on the management of drug-drug interactions in hospitalised patients	IMU-2009	2009	RM3,000	PI	Awarded	International Medical University, Malaysia
International Medical University Research Fund	Complementary and alternative medicine use among patients with diabetes mellitus	IMU-2008	2008	RM6,000	PI	Awarded	International Medical University, Malaysia
International Medical University Research Fund	Public understanding and attitudes toward epilepsy in urban areas in Malaysia	IMU-2008	2008	RM12,000	PI	Awarded	International Medical University, Malaysia

## Research Supervision 2009 - 2024

Name of student	Degree	Registration period	Funding source	Project title	Role (main supervisor or co-supervisor)	Status
Ezekwesiri Nwanosike	PhD	01/2021 – 07/2023	VC Scholarship	Optimising the efficacy and safety of Direct Oral Anticoagulants (DOACs) in special populations	Main supervisor	Completed
Raveena Ameer Nagaria	PhD	09/2018 – 04/2023	SAS PhD studentship	Factors affecting the role development and the integration of	Main Supervisor	Completed

				pharmacists into Primary Care Networks		
Ahmer Mirza	PhD	09/2018 – 04/2024	Self-funded	Stakeholder's views on access to medicines and pharmaceutical policies in Saudi Arabia: A mixed methods study	Main supervisor	Completed
Kaashaelya Thiruchelvam	PhD	01/2020-03/2023	IMU/ Uni of Newcastle PhD scholarship	Pharmacist-led medication reviews to improve medication use by older women: uptake, impact and enabling technology	Co-supervisor	Completed
Nasir Abbas	PhD	09/2018 – 03/2023	Self-funded	Access to Medicines in the United Kingdom	Co-supervisor	Completed
Muhammad Kamran Rasheed	PhD	07/2017-09/2022	Self-funded	Investigating patient-centred care services in community pharmacy practice of Saudi Arabia: mixed methods and an interventional study	Co-supervisor	Completed
Amie Bain	PhD	01/19 - 05/2021	SAS Staff	Investigating inpatient insulin prescribing practice and intervention use in UK hospitals: a mixed methods study and realist synthesis	Co-supervisor	Completed
Noshad Akhtar	MSc	09/2018 – 01/2020	Self-funded	Evaluation of GP Pharmacists role by key stakeholders in England and Australia	Co-supervisor	Completed
Nadeem Zia	MSc	01/2019 – 07/2021	Self-funded	Priority Medicines Policy Issues for Qatar: Challenges and Opportunities	Co-supervisor	Completed
Saba Shamim	MSc	01/2019 – 04/2021	Self-funded	Continuing Professional Development (CPD) for Pharmacists in Low- and Middle-Income Countries	Co-supervisor	Completed
Kaashaelya Thiruchelvam	MSc	01/2016-07/2017	IMU funded - Staff	Residential Aged Care Medication Review to Improve the Quality of Medication Use among the Older Population	Co-supervisor	Completed
H'ng Ting Kian	MSc	09/2017-08/2018	Self-funded	Analgesic efficacy and safety of transdermal fentanyl patches in pain management	Main supervisor	Completed

### Ongoing supervision

Saranya Puzhakkal	PhD	01/2024	VC Scholarship	Exploring self-management/ self-care practices of British South Asian people living with diabetes mellitus in West Yorkshire	Main supervisor	Dec 2026
Anwitha Johns	PhD	01/2023	VC Scholarship	Impact of pharmacokinetic properties of Direct Oral Anticoagulants (DOACs) on dosing in special population	Main supervisor	Dec 2025
Chia Siang Kow	PhD	01/2023	SAS Tuition fee waiver	The development of a core outcome set for clinical trials involving outpatients with COVID-19	Main supervisor	Dec 2025
Ann Lisa Arulappen	PhD	01/2021	Self-funded	Factors associated with mortality post antibiotics de-escalation of empirical therapies in an intensive care unit: a five-year retrospective study	Co-supervisor	Dec 2024
Raman Sharma	PhD	10/2021	Self-funded	Role of clinical pharmacist in general practice in the UK	Co-supervisor	Dec 2024
Saima Afzal	PhD	01/2018 – 07/2024	SAS Staff	New Oral anticoagulants in the UK: Evaluating prescriptions patterns, drug utilisation, and patient-reported outcomes	Co-supervisor	Jul 2024
Suresh Kumar	PhD	01/2018 – 06/2023	IMU Staff	An Evaluation Medication Appropriateness and Sleep Quality among Community-dwelling Older Patients	Co-supervisor	Aug 2023

### Undergraduate Research Supervision

*Supervised more than 100 medical, nursing, pharmacy and dental (undergraduate) students to complete their research dissertations in Australia, Malaysia, and the UK.*

## RESEARCH THEMES (based on selected research outputs)

THEME	RESEARCH
One	Evidence synthesis
Two	Chronic Disease Epidemiology
Three	Pharmacoepidemiology
Four	Health Services/ Pharmacist-led Interventions
Five	Clinical Research/Commentary/ Correspondence
Six	Pharmacy/Health Education

## Selected Research Outputs

### THEME ONE: Evidence synthesis

Title	Journal Name	Year	Volume & pages	Authors	Impact Factor
1. <a href="#"><u>Pharmacological interventions to improve sleep in people with Alzheimer's disease: a meta-analysis of randomized controlled trials</u></a>	Expert Review of Neurotherapeutics	2024	10.1080/14737175.2024.2341004	Bedward A, Kaur J..... <a href="#"><u>Hasan SS</u></a>	4.3
2. <a href="#"><u>Impact of uricosurics on mortality outcomes in patients with COVID-19: a systematic review and meta-analysis of randomized controlled trials</u></a>	International Journal of Pharmacy Practice	2024	10.1093/ijpp/riae003	Kow CS, Ramachandram DS, <a href="#"><u>Hasan SS</u></a> , Thiruchelvam K	1.2
3. <a href="#"><u>Systematic review and meta-analysis of anti-CD20 treatments in patients with COVID-19: an assessment of severe illness and mortality outcomes</u></a>	Inflammopharmacology	2023	31, 3339–3355	Kow CS, Ramachandram DS, <a href="#"><u>Hasan SS</u></a> , Thiruchelvam K	5.8
4. <a href="#"><u>The effect of probiotics on the risk of mortality in patients with COVID-19: systematic review and meta-analysis of randomized trials</u></a>	Inflammopharmacology	2023	31, 3327–3332	Kow CS, Ramachandram DS, <a href="#"><u>Hasan SS</u></a>	5.8
5. <a href="#"><u>The impact of preadmission/prediagnosis use of GLP-1 receptor agonists on COVID-19 mortality in patients with diabetes: A systematic review and meta-analysis</u></a>	Health Science Reports	2023	10.1002/hsr2.1549	Kow CS, Ramachandram DS, <a href="#"><u>Hasan SS</u></a>	1.3
6. <a href="#"><u>Pharmacological and non-pharmacological treatment options for sleep disturbances in Alzheimer's disease</u></a>	Expert Review of Neurotherapeutics	2023	23:1-14	Javed B, Javed A, Kow CS, <a href="#"><u>Hasan SS</u></a>	4.3
7. <a href="#"><u>Intermediate- to high-dose dexamethasone versus low-dose dexamethasone in patients with COVID-19 requiring respiratory support: a systematic review and meta-analysis of randomized trials</u></a>	Inflammopharmacology	2023	<i>E-pub ahead of print</i>	Kow CS, Ramachandram DS, <a href="#"><u>Hasan SS</u></a>	5.8
8. <a href="#"><u>The effect of vitamin C on the risk of mortality in patients with COVID-19: a systematic review and meta-analysis of randomized controlled trials</u></a>	Inflammopharmacology	2023	<i>E-pub ahead of print</i>	Kow CS, <a href="#"><u>Hasan SS</u></a> , Ramachandram DS	5.8

9.	<a href="#"><u>The risk of mortality and severe illness in patients infected with the omicron variant relative to delta variant of SARS-CoV-2: a systematic review and meta-analysis</u></a>	Irish Journal of Medical Sciences	2023	E-pub ahead of print - 9 Feb 2023	Kow CS, Ramachandram DS, <a href="#"><u>Hasan SS</u></a>	2.089
10.	<a href="#"><u>The effect of Nigella sativa on the risk of mortality in patients with COVID-19: A systematic review and meta-analysis of randomized trials</u></a>	Phytotherapy Research	2023	E-pub ahead of print -9 Feb 2023	Kow CS, Ramachandram DS, <a href="#"><u>Hasan SS</u></a>	6.388
11.	Challenges and Possible Solutions to Direct-Acting Oral Anticoagulants (DOACs) Dosing in Patients with Extreme Bodyweight and Renal Impairment	American Journal of Cardiovascular Drugs	2023	Vol23 Pp9-17	Nwanosike EM, Sunter W, Merchant HA, ..., <a href="#"><u>Hasan SS</u></a>	3.290
12.	Use of Calcium Channel Blockers and the Risk of All-cause Mortality and Severe Illness in Patients With COVID-19: a systematic review and meta-analysis	Journal of Cardiovascular Pharmacology	2022	Vol72 Pp199-205	Kow CS, Ramachandram DS, <a href="#"><u>Hasan SS</u></a>	3.271
13.	The use of remdesivir for the management of patients with moderate-to-severe COVID-19: a systematic review	Expert Review of Anti-Infective Therapy	2022	Vol20 Pp211-229	Thiruchelvam K, Kow CS, Hadi MA, <a href="#"><u>Hasan SS</u></a> .	5.854
14.	The use of neutralizing monoclonal antibodies and risk of hospital admission and mortality in patients with COVID-19: a systematic review and meta-analysis of randomized trials	Immunopharmacology and Immunotoxicology	2022	Vol44 Pp28-34	Kow CS, Ramachandram DS, <a href="#"><u>Hasan SS</u></a>	3.712
15.	The effect of higher-intensity dosing of anticoagulation on the clinical outcomes in hospitalized patients with COVID-19: A meta-analysis of randomized controlled trials	Journal of Infection and Chemotherapy	2022	Vol28 Pp257-65	Kow CS, Ramachandram DS, <a href="#"><u>Hasan SS</u></a>	2.065
16.	The effect of curcumin on the risk of mortality in patients with COVID-19: A systematic review and meta-analysis of randomized trials	Phytotherapy Research	2022	Vol36 Pp3365-68	Kow CS, Ramachandram DS, <a href="#"><u>Hasan SS</u></a>	6.388
17.	The effect of colchicine on mortality outcome and duration of hospital stay in patients with COVID-19: A meta-analysis of randomized trials	Immunity, inflammation, and disease	2022	Vol10 Pp255-64	Kow CS, Lee LH, Ramachandram DS, <a href="#"><u>Hasan SS</u></a> , Long CM, Goh PH	NA
18.	The effectiveness of mRNA-1273 vaccine against COVID-19 caused by delta variant: A systematic review and meta-analysis	Journal of Medical Virology	2022	Vol94 Pp2269-74	Kow CS, Ramachandram DS, <a href="#"><u>Hasan SS</u></a>	12.7
19.	The effectiveness of BNT162b2 mRNA vaccine against COVID-19 caused by Delta variant of SARS-CoV-2: a systematic review and meta-analysis	Inflammopharmacology	2022	Vol30 Pp149-57	Kow CS, Ramachandram DS, <a href="#"><u>Hasan SS</u></a>	5.093
20.	The Association Between the Use of Statins and Clinical Outcomes in Patients with COVID-19: A Systematic Review and Meta-analysis	American Journal of Cardiovascular Drugs	2022	Vol22 Pp167-81	Kow CS, <a href="#"><u>Hasan SS</u></a>	3.290
21.	Risk of severe illness in patients infected with SARS-CoV-2 of Delta variant: a systematic review and meta-analysis	Infectious Diseases	2022	Vol54 PP614-7	Kow CS, Ramachandram DS, <a href="#"><u>Hasan SS</u></a>	5.838
22.	Preadmission use of inhaled corticosteroids and risk of fatal or severe COVID-19: A meta-analysis	Journal of Asthma	2022	Vol59 Pp787-90	Kow CS, <a href="#"><u>Hasan SS</u></a>	2.00
23.	Potential applications and performance of machine learning techniques and algorithms in clinical practice: A systematic review	International Journal of Medical Informatics	2022	Vol159 No.104679	Nwanosike EM, Conway BR, Merchant HA, <a href="#"><u>Hasan SS</u></a>	4.730
24.						

25. Fluid Resuscitation with Lactated Ringer's Solution Versus Normal Saline in Acute Pancreatitis: A Systematic Review and Meta-Analysis of Randomized Trials	Pancreas	2022	Vol51 Pp752-55	Chia Siang Kow, Ismail Burud, Syed Shahzad <u>Hasan</u>	3.243
26. Exploring Antimicrobial Stewardship Influential Interventions on Improving Antibiotic Utilization in Outpatient and Inpatient Settings: A Systematic Review and Meta-Analysis	Antibiotics	2022	Vol11 No.1306	Ahmed SA, <u>Hasan SS</u> , ..., Bond SE, Aldeyab MA	5.222
27. Effects of Angiotensin II Receptor Blockers on the Risk of Mortality in Patients with COVID-19: An Updated Systematic Review and Meta-analysis of Randomized Trials	American Journal of Hypertension	2022	Vol35 Pp763-4	Kow CS, Ramachandram DS, <u>Hasan SS</u>	3.080
28. Direct oral anticoagulants (DOAC) for patients with atrial fibrillation during the COVID-19 pandemic	Medicina Clinica	2022	Vol159 e61	Kow CS, Ramachandram DS, <u>Hasan SS</u>	3.20
29. Clinical outcomes of sofosbuvir-based antivirals in patients with COVID-19: a systematic review and meta-analysis of randomized trials	Expert Review of Anti-Infective Therapy	2022	Vol20 Pp567-75	Kow CS, Javid A, Ramachandram DS, <u>Hasan SS</u>	5.854
30. Clinical outcomes of hypertensive patients with COVID-19 receiving calcium channel blockers: a systematic review and meta-analysis	Hypertension Research	2022	Vol45 Pp360-3	Kow CS, Ramachandram DS, <u>Hasan SS</u>	2.94
31. Antimicrobial consumption in patients with COVID-19: a systematic review and meta-analysis	Expert Review of Anti-Infective Therapy	2022	Vol20 Pp749-72	Khan S, <u>Hasan SS</u> , Bond SE, Conway BR, Aldeyab MA	5.854
32. Use of proton pump inhibitors and risk of adverse clinical outcomes from COVID-19: a meta-analysis	Journal of Internal Medicine	2021	Vol289 Pp125-8	Chai Siang Kow, Syed Shahzad <u>Hasan</u>	13.068
33. Use of Famotidine and Risk of Severe Course of Illness in Patients With COVID-19: A Meta-Analysis	Mayo Clinic Proceedings	2021	Vol96 Pp1365-7	Kow CS, Burud IAS, <u>Hasan SS</u>	12.213
34. The risk of mortality in patients with COVID-19 with pre-diagnosis use of NSAIDs: a meta-analysis	Inflammopharmacology	2021	Vol29 Pp641-4	Kow CS, <u>Hasan SS</u>	5.093
35. The impact of clinical pharmacist services on patient health outcomes in Pakistan: a systematic review	BMC Health Services Research	2021	Vol21 No.859	Ahmed A, Saqlain M, Tanveer M, Ali Blebil Q, Juman JA, <u>Hasan SS</u>	2.908
36. The effect of tocilizumab on mortality in hospitalized patients with COVID-19: a meta-analysis of randomized controlled trials	European Journal of Clinical Pharmacology	2021	Vol77 Pp1089-94	Kow CS, <u>Hasan SS</u>	3.064
37. The economic impact of pharmacist care for people living with HIV/AIDS: A systematic review	Exploratory Research in Clinical and Social Pharmacy	2021	Vol3 No.100066	Ahmed A..., Chaiyakunapruk N, <u>Hasan SS</u>	NA
38. The coincidence of increased risk of atrial fibrillation in randomized control trials of omega-3 fatty acids: a meta-analysis	Expert Review of Clinical Pharmacology	2021	Vol14 Pp773-5	Kow CS, Doi SAR, <u>Hasan SS</u>	4.108
39. The association between the use of ivermectin and mortality in patients with COVID-19: a meta-analysis	Pharmacological Reports	2021	Vol73 Pp1473-9	Kow CS, Merchant HA, Mustafa ZU, <u>Hasan SS</u>	3.919
40. Targeting host cell proteases as a potential treatment strategy to limit the spread of SARS-CoV-2 in the respiratory tract	Pharmacology Research and Perspectives	2021	Vol9 No.e00698	El-Shimy IA, Mohamed MMA, <u>Hasan SS</u> , Hadi MA	2.963

41. Social distancing and the use of PPE by community pharmacy personnel: Does evidence support these measures?	Research in Social and Administrative Pharmacy	2021	Vol17 Pp456-59	Hasan SS, Kow CS, Zaidi, STR	3.348
42. Renin–angiotensin system inhibitor use and the risk of mortality in hospitalized patients with COVID-19: a meta-analysis of randomized controlled trials	Hypertension Research	2021	Vol44 Pp1042-45	Kow CS, Long MC, Hasan SS	2.94
43. Real-world effectiveness of BNT162b2 mRNA vaccine: a meta-analysis of large observational studies	Inflammopharmacology	2021	Vol29 Pp1075-1090	Kow CS, Hasan SS	5.093
44. Quality versus Risk-of-Bias assessment in clinical research	Journal of Clinical Epidemiology	2021	Vol129 Pp172-5	Furuya-Kanamori L, Xu C, Hasan SS, Doi SAR	7.407
45. Quality of clinical practice guidelines for the management of hypertension in six Southeast Asian countries	Clinical and experimental hypertension	2021	Vol43 Pp633-641	Kow CS, Hasan SS, Wong PS, Verma RK	2.088
46. Quality of adverse event reporting in clinical trials of remdesivir in patients with COVID-19	European Journal of Clinical Pharmacology	2021	Vol77 Pp435-437	Kow CS, Aldeyab MA, Hasan SS	3.064
47. Prevalence of Frailty in Patients with COVID-19: A Meta-Analysis	The Journal of Frailty & Aging	2021	Vol10 189-90	Kow CS, Hasan SS	3.9
48. Pitfalls in Reporting Sample Size Calculation Across Randomized Controlled Trials Involving Ivermectin for the treatment of COVID-19	American Journal of Therapeutics	2021	Vol28 Pp e616-e619	Kow CS, Hasan SS	3.098
49. Pharmacotherapeutic considerations for the management of diabetes mellitus among hospitalized COVID-19 patients	Expert Opinion on Pharmacotherapy	2021	Vol22 Pp229-40	Hasan SS, Kow CS, Bain A, Kavanagh S, Merchant HA, Hadi MA	4.103
50. Pharmacologic therapeutic options for thromboprophylaxis in COVID-19	Journal of Thrombosis and Thrombolysis	2021	Vol51 Pp29-30	Kow CS, Hasan SS	5.221
51. Pharmacological Management of Obese Patients with Type 2 Diabetes amid COVID-19 Pandemic	Obesity Surgery	2021	Vol31 Pp413-14	Kow CS, Hasan SS	3.479
52. Mortality risk with preadmission metformin use in patients with COVID-19 and diabetes: a meta-analysis	Journal of Medical Virology	2021	Vol93 PP695-697	Kow CS, Hasan SS	12.7
53. Lactoferrin reduces the risk of respiratory tract infections: A meta-analysis of randomized controlled trials	Clinical Nutrition ESPEN	2021	Vol45 Pp26-32	Shoukat AA, Hasan SS, Kow CS, Merchant HA	3.0
54. Effect of remdesivir on mortality in patients with COVID-19: A meta-analysis of randomized control trials	Journal of Medical Virology	2021	Vol93 Pp1860-61	Kow CS, Mamoon Aldeyab MA, Hasan SS	12.7
55. Does methylprednisolone reduce the mortality risk in hospitalized COVID-19 patients? A meta-analysis of randomized control trials	Expert Review of Respiratory Medicine	2021	Vol15 Pp1049-1055	Hasan SS, Kow CS, Mustafa ZU, Merchant HA	4.300
56. Consistency of recommendations from clinical practice guidelines for the management of critically ill COVID-19 patients	European Journal of Hospital Pharmacy	2021	Vol28 Pp 42-46	Kow CS, Capstick T, Zaidi STR, Hasan SS	2.530
57. Concordance of recommendations across clinical practice guidelines for the management of hypertension in Southeast Asia with internationally reputable sources	BMC Cardiovascular Disorders	2021	Vol21 No.354	Kow CS, Hasan SS, Wong PS, Verma RK	2.174

58. Availability, Affordability, Access, and Pricing of Anti-cancer Medicines in Low- and Middle-Income Countries: A Systematic Review of Literature	Frontiers in Public Health	2021	Vol9 No.628744	Ocran MP, Ahmad R, <u>Hasan SS</u> , Babar, ZU	6.461
59. A meta-analysis on the preadmission use of DPP-4 inhibitors and risk of a fatal or severe course of illness in patients with COVID-19	Therapie	2021	Vol76 Pp361-4	Kow CS, <u>Hasan SS</u>	3.367
60. Venous thromboembolism in critically ill COVID-19 patients receiving prophylactic or therapeutic anticoagulation: a systematic review and meta-analysis	Journal of Thrombosis and Thrombolysis	2020	Vol50 Pp814-21	<u>Hasan SS</u> , Radford S, Kow CS, Zaidi STR	5.222
61. Use of hydroxychloroquine and chloroquine in COVID-19: How good is the quality of randomized controlled trials?	International Journal of Infectious Diseases	2020	Vol101 Pp107-120	Mazhar F, Hadi, MA, Kow CS, Marran AMN, Merchant HA, <u>Hasan SS</u>	12.073
62. Systematic Reviews and Meta-Analysis in Pharmacy Practice	Pharmacy Practice Research Methods	2020	-	<u>Hasan SS</u> , Kairuz, T, Thiruchelvam, K, Babar ZU	Book Chapter
63. Access to Medicines in the United Kingdom: A Review of HTA Decisions for New Medicines	Value in Health	2020	Vol23 ppS665	Abbas N, Hasan SS, Babar ZU	5.156
64. Pharmacotherapy in COVID-19 patients: a review of ACE2-raising drugs and their clinical safety	Journal of Drug Targeting	2020	Vol 28 Pp683-99	Akhtar S, Danjuma I, Mohammed I, Doi SAR, <u>Hasan SS</u> , Habib, Abdella M	5.016
65. Pharmacotherapeutic considerations for the management of cardiovascular diseases among hospitalized COVID-19 patients	Expert Review of Cardiovascular Therapy	2020	Vol18 Pp475-85	Kow CS, Thiruchelvam K, <u>Hasan SS</u>	2.0
66. Pharmacotherapeutic considerations for systemic rheumatic diseases amid the COVID-19 pandemic: more questions than answers	Drugs and Therapy Perspectives	2020	Vol36 Pp518-522	Kow CS, <u>Hasan SS</u>	1.2
67. Mortality in COVID-19 patients with acute respiratory distress syndrome and corticosteroids use: a systematic review and meta-analysis	Expert Review of Respiratory Medicine	2020	Vol14 Pp1149-1163	<u>Hasan SS</u> , Capstick T, Ahmed R, Kow CS, Mazhar F, Merchant HA, Zaidi STR	4.300
68. Mortality and Disease Severity Among COVID-19 Patients Receiving Renin-Angiotensin System Inhibitors: A Systematic Review and Meta-analysis	American Journal of Cardiovascular Drugs	2020	Vol20 Pp571-90	<u>Hasan SS</u> , Kow CS, Hadi MA, Zaidi STR, Merchant HA	3.290
69. Meta-analysis of Effect of Statins in Patients with COVID-19	American Journal of Cardiology	2020	Vol134 Pp153-5	Kow CS, <u>Hasan SS</u>	3.133
70. Management of Outpatient Warfarin Therapy amid COVID-19 Pandemic: A Practical Guide	American Journal of Cardiovascular Drugs	2020	Vol20 Pp301-9	Kow CS, Sunter W, Amie Bain, Zaidi STR, <u>Hasan SS</u>	3.290
71. Is it worth the wait? Should Chloroquine or Hydroxychloroquine be allowed for immediate use in COVID-19?	British Journal of Pharmacy	2020	Vol5 No.745	<u>Hasan SS</u> , Kow CS, Merchant HA	NA
72. Interventions to improve spontaneous adverse drug reaction reporting by healthcare professionals and patients: systematic review and meta-analysis	Expert Opinion on Drug Safety	2020	Vol19 Pp1173-91	Vibhua P, Al-Hamid A, Bowen, M, Hadi, MA, <u>Hasan SS</u> , Jalal, Z, Stewart D	4.011
73. Access to medicines: a systematic review of the literature	Research in Social and Administrative Pharmacy	2020	Vol16 Pp1166-76	Abbas N, <u>Hasan SS</u> , Curley LE, Babar Z.	3.348

74. Use of Central Nervous System (CNS) Medicines in Aged Care Homes: A Systematic Review and Meta-Analysis	Journal of Clinical Medicine	2019	Vol8 No.1292	Hasan SS, Zaidi STR, Nirwan J, Ghori MU, Javid F, Ahmadi K, Babar Z.	4.964
75. Trends in global prescribing of antidiabetic medicines in primary care: A systematic review of literature between 2000–2018	Primary Care Diabetes	2019	Vol13 Pp409-21	Ramzan S, Timmins P, Hasan SS, Babar Z.	2.567
76. Patient access to medicines in two countries with similar health systems and differing medicines policies: Implications from a comprehensive literature review	Research in Social and Administrative Pharmacy	2019	Vol15 Pp231-43	Babar Z, Gammie T, Seyfoddin A, Hasan SS, Curley LE.	3.348
77. Investigating the association between education level and gastroesophageal reflux disease (GERD): A systematic review and meta-analysis	Turkish Journal of Gastroenterology	2019	Vol30 ppS892-3	Nirwan, JS, Hasan SS, Conway BR, Ghori MU.	1.2
78. Interventions to improve insulin prescribing practice for people with diabetes in hospital: a systematic review	Diabetic Medicine	2019	Vol36 Pp948-60	Bain A, Hasan SS, Babar Z.	4.213
79. Glycemic control through pharmaceutical care: a meta-analysis of randomized controlled trials	Journal of Pharmaceutical Health Services Research	2019	Vol10 Pp35-44	Babar ZU, Kousar R, Hasan SS, Scahill S, Curley LE	0.7
80. Community pharmacist's knowledge, attitude, roles and practices towards patient-centred care in Saudi Arabia: a systematic review of the literature: A Systematic Review of the Literature	Journal of Pharmaceutical Health Services Research	2019	Vol10 Pp101-5	Rasheed MK, Hasan SS, Babar ZU	0.7
81. A systematic review of patient-reported outcomes associated with the use of direct-acting oral anticoagulants	British Journal of Clinical Pharmacology	2019	Vol85 Pp2652-67	Afzal S, Hasan SS, Babar Z.	3.716
82. Economic evaluation of prescribing conventional and newer oral anticoagulants in older adults	Expert Review of Pharmacoeconomics and Outcomes Research	2018	Vol18 PP371-77	Hasan SS, Kow CS, Curley LE, Baines D, Babar Z.	2.039
83. A Scoping Review of the Quality and the Design of Evaluations of Mobile Health, Telehealth, Smart Pump and Monitoring Technologies Performed in a Pharmacy-Related Setting	Frontiers in Pharmacology	2018	Vol9 No.678	Baines D, Gahir IK, Hussain A, Khan AJ, Schneider P, Hasan SS, Babar ZUD.	5.988
84. Access to High-Cost Medicines: An Overview	Equitable Access to High-Cost Pharmaceuticals	2018	-	Hasan SS, Lu C, Babar Z.	Book Chapter
85. Residential Aged Care Medication Review to Improve the Quality of Medication Use: A Systematic Review	Journal of the American Medical Directors Association	2017	Vol18 Pp87.e1-87.e14	Thiruchelvam K, Hasan SS, Wong PS, Kairuz T.	7.802
86. Economic evaluation of pharmacist-led medication reviews in residential aged care facilities	Expert Review of Pharmacoeconomics and Outcomes Research	2017	Vol17 Pp431-39	Hasan SS, Thiruchelvam K, Kow CS, Ghori MU, Babar Z.	2.039

## THEME TWO: Chronic Disease Epidemiology

Title	Journal name	Year	Volume and pages	Authors	Impact Factor
87. The burden of mental disorders, substance use disorders and self-harm among young people in Europe, 1990–2019: Findings from the Global Burden of Disease Study 2019	The Lancet Regional Health - Europe	2022	Vol16 No.100341	Castelpietra G, Knudsen AKS, ..., Hasan SS, Global Burden of Disease Study Authors,	20.9
88. Diabetes mortality and trends before 25 years of age: an analysis of the Global Burden of Disease Study 2019	The Lancet Diabetes and Endocrinology	2022	Vol10 Pp177-92	Cousin E, ..., Hasan SS GBD 2019 Diabetes Mortality Collaborators	44.867
89. The coincidence of increased risk of atrial fibrillation in randomized control trials of omega-3 fatty acids: a meta-analysis	Expert Review of Clinical Pharmacology	2021	Vol14 Pp773-5	Kow CS, Doi SAR, Hasan SS	4.108
90. Quality of clinical practice guidelines for the management of hypertension in six Southeast Asian countries	Clinical and experimental hypertension	2021	Vol43 Pp633-641	Kow CS, Hasan SS, Wong PS, Verma RK	2.088
91. Pharmacotherapeutic considerations for the management of diabetes mellitus among hospitalized COVID-19 patients	Expert Opinion on Pharmacotherapy	2021	Vol22 Pp229-40	Hasan SS, Kow CS, ..., Merchant HA, Hadi MA	4.103
92. Pharmacological Management of Obese Patients with Type 2 Diabetes amid COVID-19 Pandemic	Obesity Surgery	2021	Vol31 Pp413-14	Kow CS, Hasan SS	3.479
93. Mortality risk with preadmission metformin use in patients with COVID-19 and diabetes: a meta-analysis	Journal of Medical Virology	2021	Vol93 PP695-697	Kow CS, Hasan SS	20.693
94. Management of Comedication in Hospitalized COVID-19 Patients with Atrial Fibrillation	Hospital Pharmacy	2021	Vol56 Pp629-632	Kow CS, Sunter W, Hasan SS	2.53
95. Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019	The Lancet	2021	Vol398 Pp870-905	Katherine R Paulson, .. Hasan SS, GBD 2019 Under-5 Mortality Collaborators	202.731
96. CYP2C19 Genotype-Guided Antiplatelet Therapy Among Asian Patients with Ischaemic Stroke	Clinical Drug Investigation	2021	Vol41 Pp115-116	Kow CS, Zaihan FA, Hasan SS	3.580
97. Anemia prevalence in women of reproductive age in low- and middle-income countries between 2000 and 2018	Nature Medicine	2021	Vol27 Pp1761-1782	Kinyoki D, ..., Hasan SS, Local Burden of Disease Anaemia Collaborators	87.241
98. Pharmacotherapeutic considerations for the management of cardiovascular diseases among hospitalized COVID-19 patients	Expert Review of Cardiovascular Therapy	2020	Vol18 Pp475-85	Kow CS, Thiruchelvam K, Hasan SS	2.0
99. Pharmacotherapeutic considerations for systemic rheumatic diseases amid the COVID-19 pandemic: more questions than answers	Drugs and Therapy Perspectives	2020	Vol36 Pp518-522	Kow CS, Hasan SS	1.2
100. Cardiovascular Disease and Use of Renin-Angiotensin System Inhibitors in COVID-19	American Journal of Cardiovascular Drugs	2020	Vol20 Pp217-21	Kow CS, Zaidi, STR, Hasan SS.	3.290
101. Anticoagulant approach in COVID-19 patients with cerebral venous thrombosis	Journal of Stroke and Cerebrovascular Diseases	2020	Vol29 No.105222	Kow CS, Zaihan AF, Hasan SS.	2.677
102. Acute Heart Failure in Coronavirus Disease 2019 and the Management of Comedications	Cardiac Failure Review	2020	Vol6 Pp1	Kow CS, Hasan SS	NA
103. Psychological health and menopause-specific quality of life of Malaysian women with type 2 diabetes	Asian J of Psychiatry	2016	Vol23, 56-63	Hasan SS, Thiruchelvam K, ...Kairuz T	9.5
104. Anxiety symptoms and the risk of diabetes mellitus in Australian women: Evidence from 21-year follow-up	Public Health	2016	Vol130, 21-8	Hasan SS, Clavarino AM, ...Kairuz T	5.2
105. Diabetes Mellitus and the Risk of Depressive and Anxiety Disorders in Australian Women: A Longitudinal Study	Journal of Women's Health	2015	Vol24, 11	Hasan SS, Clavarino AM, ...Kairuz T	3.5
106. Incidence and Risk of Depression Associated with Diabetes in Adults: Evidence from Longitudinal Studies	Community Mental Health Journal	2015	Vol51, 204-10	Hasan SS, Mamum AA, ...Kairuz T	2.7

107. Psychological Health and the Risk of Diabetes Mellitus in Australian Women: A 21-Year Prospective Study	Journal of Women's Health	2014	Vol23, 1-8	Hasan SS, Clavarino AM, ...Kairuz T	3.5
108. The validity of the Menopause-specific Quality of Life questionnaire in women with type 2 diabetes	Climacteric	2013	Vol17, 456-64	Hasan SS, Ahmadi K, Santiago R, Ahmed SI	2.8

### THEME THREE: Pharmacoepidemiology

Title	Journal name	Year	Volume and pages	Authors	Impact Factor
109. A real-world exploration into clinical outcomes of direct oral anticoagulant therapy in people with chronic kidney disease: a large hospital-based study	Journal of Nephrology	2024	-	Nwanosike EM, Sunter W, Ansari MA, Merchant HA, Conway BR, Hasan SS	3.4
110. Direct oral anticoagulants and the risk of adverse clinical outcomes among patients with different body weight categories: a large hospital-based study	European Journal of Clinical Pharmacology	2023	80, 163-73	Nwanosike EM, Sunter W, Ansari MA, Merchant HA, Conway BR, Hasan SS	2.9
111. A real-world exploration into clinical outcomes of direct oral anticoagulant (DOAC) dosing regimens in morbidly obese patients using data-driven approaches	American Journal of Cardiovascular Drugs	2023	E-pub ahead of print - 6 Mar 2023	Nwanosike EM, Sunter W, Ansari MA, Merchant HA, Conway BR, Hasan SS	3.290
112. Challenges and Possible Solutions to Direct-Acting Oral Anticoagulants (DOACs) Dosing in Patients with Extreme Bodyweight and Renal Impairment	American Journal of Cardiovascular Drugs	2023	Vol23 Pp9-17	Nwanosike EM, Sunter W, Ansari MA, Merchant HA, Conway BR, Hasan SS	3.290
113. Metformin-based single pill drug combinations for type 2 diabetes in primary care England: A time trend analysis	Primary Care Diabetes	2022	Vol16 Pp271-78	Hasan SS, Aslam Q, Islam I, Kow CS, Babar ZU	2.567
114. Adverse Drug Reaction Reporting and Prescribing Trends of Drugs for Attention Deficit Hyperactivity Disorder in Primary Care England, 2010–2019	Journal of Attention Disorders	2022	Vol26 Pp467-75	Hasan SS, Bal N, Baker I, Kow CS, Khan MU	3.196
115. Pattern of medication utilization in hospitalized patients with COVID-19 in three District Headquarters Hospitals in the Punjab province of Pakistan	Exploratory Research in Clinical and Social Pharmacy	2022	Vol5 No.100101	Mustafa ZU, Kow CS, Salman M, Kanwal M, Riaz MB, Parveen S, Hasan SS	NA
116. Antibiotic consumption among hospitalized neonates and children in Punjab province, Pakistan	Expert Review of Anti-Infective Therapy	2022	Vol 20 Pp931-9	Mustafa ZU, Salman M, ... Hasan SS	5.854
117. Venous thromboembolism prophylaxis in patients undergoing knee replacements: comparison of real-world outcomes	International Journal of Clinical Pharmacy	2021	Vol43 Pp621-8	Hasan SS, Sunter W, Ahmed N, Dawoud D, Zaidi STR	2.305
118. Use of potentially inappropriate medications among older outpatients and inpatients in a tertiary care hospital in Malaysia	International Journal of Clinical Practice	2021		Hasan SS, Burud IAS, Kow CS, Rasheed MK, Chan KSC, Tay PK, Ahmed SI	3.149
119. Surging trends in prescriptions and costs of antidepressants in England amid COVID-19	DARU, Journal of Pharmaceutical Sciences	2021	Vol29 Pp217-21	Rabeea SA, Merchant HA, Khan MU, Kow CS, Hasan SS	4.088
120. Quality of adverse event reporting in clinical trials of remdesivir in patients with COVID-19	European Journal of Clinical Pharmacology	2021	Vol77 Pp435-437	Kow CS, Aldeyab MA, Hasan SS	3.064

121.Prescribing trends of oral anticoagulants in England over the last decade: a focus on new and old drugs and adverse events reporting	Journal of Thrombosis and Thrombolysis	2021	Vol52 Pp646-53	Afzal S, Zaidi STR, Merchant HA, Babar ZU, Hasan SS	5.221
122.Common combinations of medications used among oldest-old women: a population-based study over 15 years	Aging clinical and experimental research	2021	Vol33 Pp1919-28	Thiruchelvam K, Byles J, Hasan SS, Egan N, Cavenagh D, Kairuz T	4.481
123.Frailty and potentially inappropriate medications using the 2019 Beers Criteria: findings from the Australian Longitudinal Study on Women's Health (ALSWH)	Aging clinical and experimental research	2021	Vol33 Pp2499-2509	Thiruchelvam K, Byles J, Hasan SS, Egan N, Kairuz T	4.481
124.Strategies to reduce insulin prescribing errors in UK hospitals: results from a national survey	Diabetic Medicine	2020	Vol37 Pp1176-84	Bain A, Hasan SS, Kavanagh S, Babar ZU	4.213
125.Strategies to improve insulin prescribing in UK hospitals: results from a national survey	International Journal of Pharmacy Practice	2020	Vol28 Pp44-45	Bain A, Hasan SS, Kavanagh S, Babar Z	1.8
126.Drug burden index, polypharmacy and patient health outcomes in cognitively intact older residents of aged care facilities in Malaysia	Journal of Pharmacy Practice and Research	2020	Vol50 Pp13-21	Hasan SS, Chang SH, Thiruchelvam K, Chong DWK, Babar Z.	NA
127.The relationship between sleep quality, inappropriate medication use and frailty among older adults in aged care homes in Malaysia	PLoS One	2019	Vol14 E0224122	Kumar S, Wong PS, Hasan SS, Kairuz, T.	3.752
128.Direct Oral Anticoagulants and the Patient-Reported Outcomes: Synthesis and Advances	Encyclopedia of Pharmacy Practice and Clinical Pharmacy	2019	Vol3A Pp898-908	Afzal S, Hasan SS, Babar Z	Book Chapter
129.Anticholinergic Burden, Sleep Quality and Health Outcomes in Malaysian Aged Care Home Residents	Pharmacy	2019	Vol7 No.143	Kumar S, Hasan SS, Wong PS, Chong, D. WK, Kairuz T.	2.2
130.An Evaluation of the Central Nervous System Medication Use and Frailty among Residents of Aged Care Homes in Malaysia	Neuroepidemiology	2017	Vol49 Pp82-90	Hasan SS, Kow CS, Thiruchelvam K, Chong DWK, Ahmed SI	5.393
131.An evaluation of medication appropriateness and frailty among residents of aged care homes in Malaysia: A cross-sectional study	Medicine	2017	Vol96 No.E7929	Hasan SS, Kow CS, Verma RK, Ahmed SI, Mittal P, Chong DWK.	1.817
132.A comparative drug utilisation study of the treatment of diabetes in Malaysia and Australia	Australasian Med J	2015	Vol8, 179-88	Hasan SS, Clavarino AM....Kairuz T	2.0

## THEME FOUR: Health Services/ Interventions Research

Title	Journal name	Year	Volume and pages	Authors	Impact Factor
133.Pharmacist-Led interventions in optimising the use of oral anticoagulants in atrial fibrillation patients in the general practice in England: A retrospective observational study	BJGP Open	2024	10.3399/BJGPO.2023.0113	Sharma R, Hasan SS.....Ghori MU	NA
134."Sehat Sahulat Program": A Leap into the Universal Health Coverage in Pakistan	International Journal of Environmental Research and Public Health	2022	Vol19 No.6998	Hasan SS, Mustafa ZU, Kow CS, Merchant HA	NA
135.Impact of medication reviews on potentially inappropriate medications and associated costs among older women in aged care	Research in Social and Administrative Pharmacy	2022	Vol18 Pp3759-65	Thiruchelvam K, Byles J, Hasan SS, Egan N, Kairuz T	3.348

136. Evaluation of general practice pharmacists' role by key stakeholders in England and Australia	Journal of Pharmaceutica I Health Services Research	2022	Vol13 Pp31-40	Akhtar N, <u>Hasan SS</u> , Babar ZU	0.7
137. Development, validation and evaluation of an online medication review tool (MedReview)	PLoS One	2022	Vol17 No.e026932 2	Thiruchelvam K, <u>Hasan SS</u> , Pudmenzky A, Wong PS, Kairuz T	3.752
138. Covid-19 Vaccine safety and adverse event analysis from Pakistan	Clinical Immunology Communicatio ns	2022	Vol2 Pp91-7	<u>Hasan SS</u> , Rashid A, Osama S, Mustafa ZU, Merchant HA	NA
139. COVID-19 Vaccine Hesitancy among Pregnant Women Attending Antenatal Clinics in Pakistan: A Multicentric, Prospective, Survey-Based Study	Viruses	2022	Vol14 No.2344	Mustafa, Zia UI, Shazma Bashir, ... <u>Hasan SS</u>	5.818
140. COVID-19 Mixed Impact on Hospital Antimicrobial Stewardship Activities: A Qualitative Study in UK-Based Hospitals	Antibiotics	2022	Vol11 No.1600	Sidra K, Bond SE, Bakhit Mina, <u>Hasan SS</u> , Sadeq AA, Conway BR, Aldeyab MA	5.222
141. A pharmacist-led educational intervention to improve nebulization-related knowledge and practices of nursing staff: a pre-post interventional study from Pakistan	Drugs and Therapy Perspectives	2022	Vol38 Pp194-200	Mustafa ZU, Salman M, Jamal I, Kanwal M, Riaz MB, <u>Hasan SS</u> , Khan AH	1.2
142. Analysis of hospital antimicrobial consumption to identify targets for antimicrobial stewardship	Infection Control and Hospital Epidemiology	2022	Vol43 Pp943-5	Yusef D, ..., <u>Hasan SS</u> , Aldeyab MA	6.52
143. Surveillance study of asymptomatic and presymptomatic coronavirus disease 2019 (COVID-19) in care homes in Northern Ireland	Infection Control and Hospital Epidemiology	2021	Vol42 Pp1400-2	Neill C, Sartaj M, Holcroft L, <u>Hasan SS</u> , Conway BR, Aldeyab MA	6.520
144. Social distancing and the use of PPE by community pharmacy personnel: Does evidence support these measures?	Research in Social and Administrative Pharmacy	2021	Vol17 Pp456-59	<u>Hasan SS</u> , Kow CS, Zaidi, STR	3.348
145. SARS-CoV-2 infection pattern, transmission and treatment: Multicenter study in low to middle-income districts hospitals in Punjab, Pakistan	Pakistan Journal of Pharmaceutica I Sciences	2021	Vol34 Pp1135-42	Kamran SH, Mustafa ZU, Rao AZ, <u>Hasan SS</u> , ..., Abbas M, Asif A	0.684
146. Residential Medication Management Reviews and continuous polypharmacy among older Australian women	International Journal of Clinical Pharmacy	2021	Vol43 Pp1619- 1629	Thiruchelvam K, Byles J, <u>Hasan SS</u> , Egan N, Kairuz T	2.305
147. Pharmacist-patient communication amid COVID-19 pandemic: A review of available options and potential impact	British Journal of Pharmacy	2021	Vol6 No.836	Kow CS, <u>Hasan SS</u>	NA
148. Personal protective practices and pharmacy services delivery by community pharmacists during COVID-19 pandemic: Results from a national survey	Research in Social and Administrative Pharmacy	2021	Vol17 Pp1832-7	Zaidi STR, <u>Hasan SS</u>	3.348
149. Impact of multidisciplinary team escalating approach on antibiotic stewardship in the United Arab Emirates	Antibiotics	2021	Vol10 No.1289	Sadeq AA, ..., <u>Hasan SS</u> , Conlon- Bingham GM, Aldeyab MA	5.222
150. Home Medicines Review and frailty among community-dwelling older women	International Journal of	2021	Vol29 Pp548-555	Thiruchelvam K, Byles J, <u>Hasan SS</u> ,	1.8

	Pharmacy Practice			Egan N, Kairuz T	
151.Effect of COVID-19 on viral hepatitis services in Pakistan	The Lancet Gastroenterology and Hepatology	2021	Von6 Pp163-164	Mustafa ZU, Kow CS, Hasan SS	45.042
152.COVID-19 first anniversary review of cases, hospitalization, and mortality in the UK	Expert Review of Respiratory Medicine	2021	Vol15 Pp973-978	Merchant HA, Kow CS, Hasan SS	4.300
153.An overview of procurement, pricing, and uptake of COVID-19 vaccines in Pakistan	Vaccine	2021	Vol39 Pp5251-3	Siddiqui A, Ahmed A, Tanveer M, Saqlain M, Kow CS, Hasan SS	4.169
154.Use and validation of a survey tool to measure the perceived effectiveness of insulin-prescribing safety interventions in UK hospitals	Diabetic Medicine	2020	Vol37 Pp2027-2034	Bain A, Hasan SS, Kavanagh S, Babar ZU	4.213
155.Translation, cultural adaptation and psychometric validation of the SF-6D measure of health-related quality of life for use in Arabic-Speaking countries	Research in Social and Administrative Pharmacy	2020	Vol16 Pp1754-9	Dalia M. Dawoud, ..., Syed Shahzad Hasan, Zaheer-Ud-Din Babar, Samer A. Kharroubi	3.348
156.The community pharmacy practice change towards patient-centered care in Saudi Arabia: a qualitative perspective	Journal of Pharmaceutica l Policy and Practice	2020	Vol13 No.59	Kamran MK, Abdulmajeed A, Hasan SS, Babar ZU	4.2
157.Strategies to reduce insulin prescribing errors in UK hospitals: results from a national survey	Diabetic Medicine	2020	Vol37 Pp1176-84	Bain A, Hasan SS, Kavanagh S, Babar ZU	4.213
158.Smoking Cessation Amid the Coronavirus 2019 Pandemic: Making Every Contact Count	Chronic Obstructive Pulmonary Diseases	2020	Vol7 Pp300-02	Kow CS, Hasan SS, Ahmadi K	3.903
159.Access to Medicines in the United Kingdom: A Review of HTA Decisions for New Medicines	Value in Health	2020	Vol23 ppS665	Abbas N, Hasan SS, Babar ZU	5.156
160.Pharmacy, pharmaceuticals and public policy: Solving the puzzle	Research in Social and Administrative Pharmacy	2020	Vol16 Pp840-43	Nagaria R, Hasan SS, Babar ZU	3.348
161.The Availability, Pricing and Affordability of Essential Diabetes Medicines in 17 Low-, Middle- and High-Income Countries	Frontiers in Pharmacology	2019	Vol10 No.1375	Babar Z, Ramzan S, El-Dahiyat F, Tachmazidis I, Adebisi A, Hasan SS.	5.988
162.Strengthening Health Systems in Low and Middle-Income Countries Through Evaluating Cancer Medicine Prices, Availability and Affordability: A Case Study and Proposal	Encyclopedia of Pharmacy Practice and Clinical Pharmacy	2019	Vol2 Pp325-8	Babar ZUD, Suleman F, Hasan SS.	Book Chapter
163.Pharmacy Practice and Its Research: Evolution and Definitions	Encyclopedia of Pharmacy Practice and Clinical Pharmacy	2019	Vol1 Pp1-6	Hasan SS, Thiruchelvam K, Kairuz T, Abbas N, Babar Z.	Book Chapter
164.Pharmaceutical Policy Reforms to Regulate Drug Prices in Asia Pacific Region: The Case of Australia, China, India, Malaysia, New Zealand, and South Korea	Value in Health Regional Issues	2019	Vol18 Pp18-23	Hasan SS, Kow, CS, Dawoud D, Mohamed O, Baines D, Babar, ZUD.	2.0
165.Medicines policy issues for Saudi Arabia: priorities and model	Journal of Pharmaceutica l Health Services Research	2019	Vol10 Pp443-5	Mirza AH, Hasan SS, El-Dahiyat F, Babar ZUD.	0.7

166.Medicine Prices in Asia–Pacific Countries	Medicine Price Surveys, Analyses and Comparisons: Evidence and Methodology Guidance	2019	1 Pp45-60	Babar Z, Hussain, R, Hasan SS.	Book Chapter
167.High-Cost Medicines: Access, Affordability, and Prices	Encyclopedia of Pharmacy Practice and Clinical Pharmacy	2019	Vol2 Pp20-26	Hasan SS, Kow CS, Babar Z.	Book Chapter
168.Cost analysis of type 2 diabetes mellitus treatment in economically developed countries	Expert Review of Pharmacoeconomics and Outcomes Research	2019	Vol19 Pp5-14	Ramzan S, Timmins P, <u>Hasan SS</u> , Babar Z.	2.039
169.A Comparison of Warfarin Monitoring Service Models	Research in Social and Administrative Pharmacy	2019	Vol15 Pp1236-42	Hasan SS, Sunter W, Ahmed N, Royle-Pryor A, Brkic A, Ahmed R, Afzal S, Babar ZUD.	3.348
170.Patients' involvement in the care process: time to value nontraditional indicators in HIV care	HIV Medicine	2018	Vol19 Pp e68-e69	Ahmed SI, Hasan, SS, Babar MG.	3.094
171.Health care for all: Effective, community supported, healthcare with innovative use of telemedicine technology	Journal of Pharmaceutical Policy and Practice	2018	Vol11 No.3	Shah TK, Tariq T, Phillips R, Davison S, Hoare, A, Hasan SS, Babar Z.	4.2
172.Economic evaluation of prescribing conventional and newer oral anticoagulants in older adults	Expert Review of Pharmacoeconomics and Outcomes Research	2018	Vol18 PP371-77	Hasan SS, Kow CS, Curley LE, Baines D, Babar Z	2.039
173.Consolidated Medication Review Algorithm to Improve Medications Use in Older Adults: Components, Scoring Scheme, and Implementation	Journal of the American Medical Directors Association	2018	Vol19 Pp717-8	Thiruchelvam K, Wong PS, Kairuz, T, Babar Z, Hasan SS.	7.802
174.Associations Between Drug Burden Index, Medication Appropriateness and Patient-Reported Outcomes in the Community Pharmacy Setting in Malaysia	Drugs and Therapy Perspectives	2018	Vol34 Pp437-443	Hasan SS, Liew ASC, Chong DWK, Thiruchelvam K, Babar ZUD.	1.2
175.Association between beliefs about medicines and self-medication with analgesics among patients with dental pain	PLoS One	2018	Vol33 e0201776	Mittal P, Chan OY, Kanneppady SK, Verma RK, Hasan SS.	3.752
176.Economic evaluation of pharmacist-led medication reviews in residential aged care facilities	Expert Review of Pharmacoeconomics and Outcomes Research	2017	Vol17 Pp431-39	Hasan SS, Thiruchelvam K, Kow CS, Ghorri MU, Babar Z.	2.039
177.Attitudes and barriers towards HIV screening: A qualitative study of people living with HIV/AIDS (PLWHA) in Malaysia	Journal of Infection Prevention	2017	Vol18 Pp242-7	Ahmed SI, Syed Sulaiman SA, Hassali MA, Thiruchelvam K, Hasan SS, Lee CKC.	NA

## THEME FIVE: Clinical Research/Commentary/ Correspondence

Title	Journal name	Year	Volume and pages	Authors	Impact Factor
178. Insights into COVID -19 pneumonia among older adults: Understanding aspiration and risk factors for mortality	Journal of the American Geriatrics Society	2024	<a href="https://doi.org/10.1111/jgs.18927">doi.org/10.1111/jgs.18927</a>	Kow CS, Ramachandram DS, <a href="#">Hasan SS</a> , Thiruchelvam K	6.3
179. Unveiling the nexus: Understanding post-COVID parkinsonism and its neurological ramifications	Parkinsonism & Related Disorders	2024	<a href="https://doi.org/10.1016/j.parkreldis.2024.106974">10.1016/j.parkreldis.2024.106974</a>	Kow CS, Ramachandram DS, <a href="#">Hasan SS</a> , Thiruchelvam K	4.1
180. Navigating the Shadows: COVID-19's Lingering Threat – Pulmonary Fibrosis	The American Journal of Medicine	2024	<a href="https://doi.org/10.1016/j.amjmed.2023.10.034">10.1016/j.amjmed.2023.10.034</a>	Kow CS, Ramachandram DS, <a href="#">Hasan SS</a> , Thiruchelvam K	5.9
181. Polypharmacy and Antibody Response to SARS-CoV-2 Vaccination in Residents of Long-Term Care Facilities: the GeroCovid Study	Drugs & Aging	2024	<a href="https://doi.org/10.1007/s40266-024-01106-z">10.1007/s40266-024-01106-z</a>	Kow CS, Ramachandram DS, <a href="#">Hasan SS</a> , Thiruchelvam K	3.4
182. Comparison of Clinical Outcomes Between Ticagrelor and Clopidogrel in East-Asian Patients with Acute Coronary Syndrome: Large Cohort Study	American Journal of Cardiovascular Drugs	2024	<a href="https://doi.org/10.1007/s40256-023-00626-0">10.1007/s40256-023-00626-0</a>	Kow CS, Zaihan FA, Ramachandram DS, <a href="#">Hasan SS</a>	3.0
183. The Potential Cardiovascular Benefits of COVID-19 Vaccination: Lessons from Influenza and Emerging Evidence	Cardiovascular Drugs and Therapy	2023	<i>E-pub ahead of print</i>	Kow CS, Ramachandram DS, <a href="#">Hasan SS</a>	3.4
184. COVID-19 Vaccination: Safeguarding Against Post-COVID Cardiovascular Complications	Clinical Infectious Diseases	2023	<a href="https://doi.org/10.1093/cid/ciad732">10.1093/cid/ciad732</a>	Kow CS, Ramachandram DS, <a href="#">Hasan SS</a> , Thiruchelvam K	11.8
185. The use of dornase alfa in patients with COVID-19	Journal of Cystic Fibrosis	2023	<i>E-pub ahead of print – Mar 13 2023</i>	Kow CS, Ramachandram DS, <a href="#">Hasan SS</a>	5.527
186. Statin Therapy in COVID-19: Inhibition of NETosis	Journal of General Internal Medicine	2023	Vol 38 No1077	Kow CS, Ramachandram DS, <a href="#">Hasan SS</a>	6.473
187. Should COVID-19 be considered cardiovascular disease risk equivalent?	International Journal of Cardiology	2023	Vol 377 Pp123	Kow CS, Ramachandram DS, <a href="#">Hasan SS</a>	4.039
188. Hypertension and severe COVID-19	Hypertension Research	2023	<i>E-pub ahead of print-Feb 27 2023</i>	Kow CS, Ramachandram DS, <a href="#">Hasan SS</a>	NA
189. Early Oxygen Therapy may be Beneficial to Patients with COVID-19 and Underlying Pulmonary Diseases	Journal of Asthma	2023	Vol60 Pp422-3	Kow CS, Ramachandram DS, <a href="#">Hasan SS</a>	2.00
190. Comment on 'The dangers of non-randomized, observational studies. Experience from the COVID-19 epidemic'. Aspirin therapy in COVID-19: too soon to dismiss its benefits?	Journal of Antimicrobial Chemotherapy	2023	Vol78 Pp1134-35	Kow CS, Ramachandram DS, <a href="#">Hasan SS</a>	5.758
191. Coenzyme Q10 therapy in patients with post COVID-19 condition.	The Lancet Regional Health - Europe	2023	Vol 25, pp1	Kow CS, Ramachandram DS, <a href="#">Hasan SS</a>	NA

192. Aspirin Therapy in COVID-19: Prevention of NETosis	Archivos de Bronconeumologia	2023	Vol59 PP129	Kow CS, Ramachandra m DS, Hasan SS	6.333
193. Unlocking the enigma: Metabolic risks of typical antipsychotics and their link to COVID-19 mortality	European Neuropsychopharmacology	2023	10.1016/j.euroneuro.2023.09.003	Kow CS, Ramachandra m DS, Hasan SS	5.6
194. The Use of Interleukin-6 Inhibitors in Patients with Coronavirus Disease 2019 Who Develop Acute Kidney Injury	Turkish Journal of Nephrology	2022	Vol31 Pp389-90	Kow CS, Ramachandra m DS, Hasan SS	0.2
195. Vaccine Acceptance and Hesitancy among Hospitalized COVID-19 Patients in Punjab, Pakistan	Vaccines	2022	Vol10 No.1640	Baraka MA, ... Kow CS, Aldeyab MA, Hasan SS	4.961
196. Use of sulforaphane in COVID-19: Clinical trials are needed	Molecular Immunology	2022	Vol145 Pp78-79	Kow CS, Ramachandra m DS, Hasan SS	4.174
197. Use of aspirin for primary prevention in patients with diabetes during the COVID-19 pandemic	Irish Journal of Medical Science	2022	Vol191 PP1667-8	Kow CS, Ramachandra m DS, Hasan SS	2.089
198. Glucocorticoid therapy in patients with COVID-19 and concurrent heart failure	Revista Clinica Espanola	2022	Vol222 Pp309-10	Kow CS, Ramachandra m DS, Hasan SS	3.064
199. The use of tenofovir in patients with COVID-19	HIV Medicine	2022	Vol23 Pp7	Kow CS, Ramachandra m DS, Hasan SS	3.094
200. The Use of Interleukin-6 Inhibitors in Patients with Coronavirus Disease 2019 Who Develop Acute Kidney Injury	Turkish Journal of Nephrology	2022	Vol31 Pp389-90	Kow CS, Ramachandra m DS, Hasan SS	NA
201. The use of corticosteroids in patients with COVID-19 vaccine-related cerebral venous thrombosis	Neurological Sciences	2022	Vol43 Pp5183-84	Kow CS, Ramachandra m DS, Hasan SS	3.830
202. Statin use in patients with diabetes amid COVID-19 pandemic	Diabetes and Metabolism	2022	Vol48 No.101298	Kow CS, Ramachandra m DS, Hasan SS	8.254
203. Risk Factors Associated with Mortality in COVID-19 Hospitalized Patients: Data from the Middle East	International Journal of Clinical Practice	2022	Vol2022 No.9617319	Karasneh RA, ..., Hasan SS, Conway BR, . Aldeyab MA	3.149
204. Probiotics for the Prevention of COVID-19 Sequelae	Archives of Medical Research	2022	Vol53 Pp643	Kow CS, Ramachandra m DS, Hasan SS	8.323
205. Predictors of invasive mechanical ventilation in hospitalized COVID-19 patients: a retrospective study from Jordan	Expert Review of Respiratory Medicine	2022	Vol16 Pp945-52	Kabbaha S, ... Hasan SS, Conway BR, Aldeyab MA	4.300
206. Physiological plausibility of lower viral load in patients with COVID-19 and olfactory/gustatory dysfunction	Clinical Otolaryngology	2022	Vol47 Pp397-98	Kow CS, Ramachandra m DS, Hasan SS	2.729
207. Perception, Attitude, and Confidence of Physicians About Antimicrobial Resistance and Antimicrobial Prescribing Among COVID-19 Patients: A Cross-Sectional Study from Punjab, Pakistan	Frontiers in Pharmacology	2022	Vol12 No.794453	Khezari H, ... Hasan SS, Fang Yu	5.988
208. Pattern of medication utilization in hospitalized patients with COVID-19 in three District Headquarters Hospitals in the Punjab province of Pakistan	Exploratory Research in Clinical and Social Pharmacy	2022	Vol5 No.100101	Mustafa ZU, Chia ..., Hasan SS	-
209. Metformin therapy in COVID-19: inhibition of NETosis	Journal of Thrombosis	2022	Vol54 Pp217-18	Kow CS, Ramachandra	5.221

	and Thrombolysis			m DS, Hasan SS	
210. Metformin in COVID-19: clinical trials are needed to prove its benefits	Irish Journal of Medical Science	2022	Vol191 Pp2641-42	Kow CS, Ramachandra m DS, Hasan SS	2.089
211. Melatonin: Revisited Role as Vaccine Adjuvant During Outbreaks of COVID-19 Caused by the Delta Variant	Journal of NeuroImmune Pharmacology	2022	Vol17 Pp425-6	Kow CS, Ramachandra m DS, Hasan SS	7.285
212. Insulin therapy in patients with COVID-19	Acta Diabetologica	2022	Vol59 Pp285-6	Kow CS, Ramachandra m DS, Hasan SS	4.087
213. IL-6 antagonists to replace systemic corticosteroids as the preferred anti-inflammatory therapy in patients with COVID-19?	Cytokine	2022	Vol149 No.155730	Kow CS, Zaihan FA, Ramachandra m DS, Hasan SS	3.926
214. Hyperbaric oxygen therapy to reverse post-COVID cognitive impairment	Neurological Sciences	2022	Vol43 Pp6185-6	Kow CS, Ramachandra m DS, Hasan SS	3.830
215. Has it come to the time to recommend routine use of alirocumab in patients with acute coronary syndrome?	European Journal of Preventive Cardiology	2022	Vol29 e77-e78	Kow CS, Zaihan FA, Ramachandra m DS, Hasan SS	8.526
216. Glucocorticoid therapy in patients with COVID-19 and concurrent heart failure	Revista clínica espanõla	2022	Vol222 Pp309-10	Kow CS, Ramachandra m DS, Hasan SS	NA
217. Future of antivirals in COVID-19: The case of favipiravir	International Immunopharmacology	2022	Vol103 No.108455	Kow CS, Ramachandra m DS, Hasan SS	5.714
218. Direct oral anticoagulants (DOAC) for patients with atrial fibrillation during the COVID-19 pandemic	Medicina Clinica	2022	Vol159 e61	Kow CS, Ramachandra m DS, Hasan SS	3.20
219. 220. Covid-19 Vaccine safety and adverse event analysis from Pakistan	Clinical Immunology Communications	2022	Vol2 Pp91-7	Hasan SS, Rashid A, Osama S, Mustafa ZU, Merchant HA	NA
221. COVID-19 Vaccine Hesitancy among Pregnant Women Attending Antenatal Clinics in Pakistan: A Multicentric, Prospective, Survey-Based Study	Viruses	2022	Vol14 No.2344	Mustafa ZU, ..., Hasan SS	5.818
222. Could it be that the B.1.1.7 lineage is more deadly?	Infection Control and Hospital Epidemiology	2022	Vol43 Pp678-9	Kow CS, Hasan SS	6.52
223. Combination Therapy with CCBs and RAS Inhibitors to Counteract Endothelial Dysfunction in COVID-19	High Blood Pressure and Cardiovascular Prevention	2022	Vol29 Pp313-4	Kow CS, Ramachandra m DS, Hasan SS	NA
224. Colchicine for COVID-19: Hype or hope?	European Journal of Internal Medicine	2022	Vol97 Pp106-7	Kow CS, Ramachandra m DS, Hasan SS	7.749
225. Can Renin-Angiotensin System Inhibitors Protect Against Acute Kidney Injury in Patients With COVID-19?	Critical Care Medicine	2022	Vol50 ppE796-7	Kow CS, Ramachandra m DS, Hasan SS	9.296
226. Can COVID-19 vaccines improve cardiovascular outcomes?	Travel Medicine and Infectious Disease	2022	Vol48 No.102350	Kow CS, Ramachandra m DS, Hasan SS	20.441
227. Antibiotic consumption among hospitalized neonates and children in Punjab province, Pakistan	Expert Review of Anti-Infective Therapy	2022	Vol 20 Pp931-9	Mustafa ZU, Chia ..., Hasan SS	5.854

228. Angiotensin Receptor and Neprilysin Inhibitors for COVID-19 Treatment and Personalized Medicine?	Omics: a journal of integrative biology	2022	Vol26 Pp318-9	Kow CS, Ramachandra m DS, Hasan SS	3.978
229. 230. Amiodarone in COVID-19: let's not forget its potential for pulmonary toxicity	European Journal of Preventive Cardiology	2022	Vol28 Pp e52	Kow CS, Hasan SS	8.526
231. Use of DPP-4 inhibitors in patients with COVID-19	Acta Diabetologica	2021	Vol58 Pp245-6	Kow CS, Hasan SS	4.087
232. Neurohormonal treatment in tako-tsubo cardiomyopathy precipitated by COVID-19	Revista Espanola de Cardiologia	2021	Vol74 Pp200-1	Kow CS, Hasan SS	7.05
233. The use of combined hormonal contraceptives amid the COVID-19 pandemic	European Journal of Contraception and Reproductive Health Care	2021	Vol26 Pp85-6	Kow CS, Mustafa ZU, Hasan SS	1.752
234. The use of antimotility drugs in COVID-19 associated diarrhea	Journal of Infection	2021	Vol82 Pp e19	Kow CS, Hasan SS	38.637
235. Revascularization strategy in patients with acute ST-elevation myocardial infarction amid COVID-19 pandemic	Journal of the Formosan Medical Association	2021	Vol120 Pp772-3	Kow CS, Hasan SS	3.871
236. Revascularization in COVID-19 patients with renal infarction	American Journal of Transplantation	2021	Vol21 Pp 1345	Kow CS, Hasan SS	9.369
237. Quality versus Risk-of-Bias assessment in clinical research	Journal of Clinical Epidemiology	2021	Vol129 Pp172-5	Furuya- Kanamori L, Xu C, Hasan SS, Doi SAR	7.407
238. Prochlorperazine for nausea and vomiting accompanied COVID-19	Journal of Gastroenterology and Hepatology (Australia)	2021	Vol36 Pp524-5	Kow CS, Hasan SS	4.369
239. Prasugrel Versus Ticagrelor in Non-ST-Segment Elevation Acute Coronary Syndrome	Journal of the American College of Cardiology	2021	Vol77 Pp1483-4	Kow CS, Zaihan FA, Hasan SS	27.206
240. Prasugrel over ticagrelor in non-ST-elevation acute coronary syndromes: is it justified?	European Heart Journal	2021	Vol42 Pp2609-10	Kow CS, Zaihan FA, Hasan SS	35.855
241. Potential interactions between COVID-19 vaccines and antiepileptic drugs	Seizure: the journal of the British Epilepsy Association	2021	Vol86 Pp80-1	Kow CS, Hasan SS	3.414
242. Potential Drug-Drug Interactions Between Interleukin-6 Inhibitors and Pharmacologic Agents for Opioid Use Disorder	The primary care companion for CNS disorders	2021	Vol23 Pp1	Kow CS, Hasan SS	NA
243. Pitfalls in Reporting Sample Size Calculation Across Randomized Controlled Trials Involving Ivermectin for the treatment of COVID-19	American Journal of Therapeutics	2021	Vol28 Pp e616- e619	Kow CS, Hasan SS	3.098
244. Persistent fatigue in patients with COVID-19	Clinical Medicine	2021	Vol21 Pp E117	Kow CS, Hasan SS	NA
245. Neurohormonal treatment in tako-tsubo cardiomyopathy precipitated by COVID-19	Revista española de cardiología	2021	Vol74 Pp200-201	Kow CS, Hasan SS	NA
246. Mortality risk in patients infected with SARS-CoV-2 of the lineage B.1.1.7 in the UK	Journal of Infection	2021	Vol83 Pp e14-e15	Kow CS, Merchant HA, Hasan SS	38.637
247. Macrolides for patients with COVID-19 and concurrent pertussis infection	Diagnostic Microbiology and Infectious Disease	2021	Vol99 No.115245	Kow CS, Hasan SS	2.983
248. Interleukin-6 blockade with tocilizumab in COVID-19: Does it live up to its hype?	Pulmonology	2021	Vol27 Pp86-87	Kow CS, Hasan SS	9.216

249. Interferon-based therapies in COVID-19	International Immunopharmacology	2021	Vol93 No.107415	Kow CS, Hasan SS	5.714
250. Intensive blood pressure-lowering strategy should also be offered to older patients	Journal of Hypertension	2021	Vol39 Pp812-813	Kow CS, Hasan SS	4.776
251. Insulin Treatment May Not Be Associated with Increased Mortality in Patients with COVID-19 and Concurrent Diabetes	Endocrine Research	2021	Vol46 PP51-2	Kow CS, Hasan SS	2.306
252. Ingestion of beta-glucans could stimulate longer-lasting cellular immunity upon administration of COVID-19 vaccines	Journal of Food Biochemistry	2021	Vol 45 No. e13959	Kow CS, Ramachandram DS, Hasan SS	4.0
253. Effect of COVID-19 on viral hepatitis services in Pakistan	The Lancet Gastroenterology and Hepatology	2021	Von6 Pp163-164	Mustafa ZU, Kow CS, Hasan SS	45.042
254. Do the Meta-Analyses Provide a Clean Bill of Health to the Use of Renin-angiotensin System Inhibitors in Coronavirus Disease 2019 (COVID-19)?	Clinical Infectious Diseases	2021	Vol73 Pp164-165	Kow CS, Hasan SS	20.999
255. Do sleep quality and sleep duration before or after COVID-19 vaccination affect antibody response?	Chronobiology International	2021	Vol38 Pp941-943	Kow CS, Hasan SS	3.749
256. CYP2C19 Genotype-Guided Antiplatelet Therapy Among Asian Patients with Ischaemic Stroke	Clinical Drug Investigation	2021	Vol41 Pp115-116	Kow CS, Zaihan FA, Hasan	3.580
257. COVID-19 first anniversary review of cases, hospitalization, and mortality in the UK	Expert Review of Respiratory Medicine	2021	Vol15 Pp973-978	Merchant HA, Kow CS, Hasan SS	4.300
258. Could melatonin be used in COVID-19 patients with laryngopharyngeal reflux disease?	Journal of Medical Virology	2021	Vol93 Pp92-93	Kow CS, Hasan SS	20.693
259. Corticosteroid-related in-hospital hyperglycemia: Does It Negate Mortality Benefits in Coronavirus Disease 2019?	Clinical Infectious Diseases	2021	Vol76 Pp e2848-9	Kow CS, Hasan SS	20.999
260. Corticosteroid Plus Tocilizumab in COVID-19: When Two Is Better Than One	Chest	2021	Vol159 Pp2108-9	Kow CS, Hasan SS	11.393
261. Colchicine as an adjunct to heparin for prophylaxis of venous thromboembolism in patients with COVID-19	Rheumatology International	2021	Vol41 Pp677-678	Kow CS, Hasan SS	3.580
262. Cerebral venous thrombosis following COVID-19 vaccination	Journal of Stroke and Cerebrovascular Diseases	2021	Vol30 No.105866	Kow CS, Hasan SS	2.677
263. Azithromycin in patients with COVID-19: Friend or foe?	Clinical Microbiology and Infection	2021	Vol27 Pp136-7	Kow CS, Hasan SS	13.310
264. Are severe asthma patients at higher risk of developing severe outcomes from COVID-19?	Allergy: European Journal of Allergy and Clinical Immunology	2021	Vol76 Pp 959-60	Kow CS, Capstick T, Hasan SS	14.710
265. Antifungal treatment of mucormycosis-associated with covid-19	Malaysian Journal of Pharmacy	2021	Vol7 1	Kow CS, Ahmed SI, Hasan SS	NA
266. Angiotensin-II receptor blockers or angiotensin converting enzyme inhibitors for the treatment of hypertension amid COVID-19 pandemic	Expert review of Cardiovascular Therapy	2021	Vol19 Pp99-100	Kow CS, Hasan SS	3.0
267. Vitamin D Supplementation in Influenza and COVID-19 Infections Comment on: "Evidence that Vitamin D Supplementation Could Reduce Risk of Influenza and COVID-19 Infections and Deaths" Nutrients 2020, 12(4), 988	Nutrients	2020	Vol12 No.1626	Kow CS, Hadi MA, Hasan SS	6.706
268. Use of statins in patients with COVID-19	QJM: monthly journal of the Association of Physicians	2020	Vol113 Pp604-5	Kow CS, Hasan SS	14.040
269. Use of rituximab and the risk of adverse clinical outcomes in COVID-19 patients with systemic rheumatic disease	Rheumatology International	2020	Vol40 Pp2117-8	Kow CS, Hasan SS	3.580

270. Use of Pharmacologic Agents with Weight Gain Potential for Panic Disorder Amid the COVID-19 Pandemic	The primary care companion for CNS disorders	2020	Vol22 Pp1	Kow CS, Hasan SS	NA
271. Use of low-molecular-weight heparin in COVID-19 patients	Journal of Vascular Surgery: Venous and Lymphatic Disorders	2020	Vol8 Pp900-1	Kow CS, Hasan SS	4.190
272. Use of corticosteroids in asthma and COPD patients with or without COVID-19	Respiratory Medicine	2020	Vol170 No.106045	Hasan SS, Capstick T, Zaidi STR, Kow CS, Merchant HA	4.582
273. Use of Azithromycin in COVID-19: A Cautionary Tale	Clinical Drug Investigation	2020	Vol40 Pp989-990	Kow CS, Hasan SS	3.580
274. The Use of Pharmacological Preventive Therapy for Migraine with Weight Gain Potential Amid Coronavirus Disease 2019 Pandemic	Headache	2020	Vol60 Pp2085-6	Kow CS, Hasan SS	5.311
275. The Potential Benefit of Telmisartan to Protect Overweight Patients with COPD from the Acquisition of COVID-19	Obesity	2020	Vol28 Pp2035	Kow CS, Hasan SS	9.298
276. The optimal time to the resumption of biologics after COVID-19	JAAD International	2020	Vol1 Pp189	Kow CS, Hasan SS	NA
277. Role of frailty in COVID-19 patients	Intensive Care Medicine	2020	Vol46 Pp1956-7	Kow CS, Hasan SS	41.787
278. Possible Protective Effect of Renin-Angiotensin System Inhibitors in COVID-19 Induced Acute Kidney Injury	Journal of the American Society of Nephrology: JASN	2020	Vol31 Pp1917-18	Kow CS, Hasan SS	14.978
279. Mortality and Disease Severity Among COVID-19 Patients Receiving Renin-Angiotensin System Inhibitors: A Systematic Review and Meta-analysis	American Journal of Cardiovascular Drugs	2020	Vol20 Pp571-90	Hasan SS, Kow CS, Hadi MA, Zaidi STR, Merchant HA	3.290
280. Montelukast in children with allergic rhinitis amid COVID-19 pandemic	Acta Paediatrica, International Journal of Paediatrics	2020	Vol109 Pp2151	Kow CS, Hasan SS	4.056
281. Metformin use amid coronavirus disease 2019 pandemic	Journal of Medical Virology	2020	Vol92 Pp2401-2	Kow CS, Hasan SS	20.693
282. Meta-analysis of Effect of Statins in Patients with COVID-19	American Journal of Cardiology	2020	Vol134 Pp153-5	Kow CS, Hasan SS	3.133
283. Glucocorticoid versus immunoglobulin in the treatment of COVID-19-associated fulminant myocarditis	Infection	2020	Vol48 Pp805-6	Kow CS, Hasan SS	7.455
284. Dexamethasone or hydrocortisone in COVID-19?	Cleveland Clinic Journal of Medicine	2020	Vol87 Pp715	Kow CS, Hasan SS	NA
285. Dexamethasone and COVID-19: RECOVERY trial provided invaluable clinical evidence but costed precious lives!	The BMJ	2020	E-pub ahead of print	Merchant HA, Kow CS, Hasan SS	96.22
286. Concurrent Antibiotic Therapy in Disseminated Strongyloidiasis	American Journal of Tropical Medicine and Hygiene	2020	Vol103 Pp2149-49	Kow CS, Hasan SS	3.707
287. Cardiovascular Disease and Use of Renin-Angiotensin System Inhibitors in COVID-19	American Journal of Cardiovascular Drugs	2020	Vol20 Pp217-21	Kow CS, Zaidi STR, Hasan SS.	3.290
288. Anticoagulant approach in COVID-19 patients with cerebral venous thrombosis	Journal of Stroke and Cerebrovascular Diseases	2020	Vol29 No.105222	Kow CS, Zaihan AF, Hasan SS.	2.677

289. Extensively Drug-Resistant Typhoid Fever in Pakistan	The Lancet Infectious Diseases	2019	Vol19 Pp242-3	Rasheed M, Hasan, SS, Babar Z, Ahmed SI.	71.421
290. Adherence of safety information on over-the-counter product labels and leaflets to the regulatory guidelines in Malaysia	Journal of Pharmacy Practice and Research	2018	Vol48 Pp204-11	Mittal P, Gan XY, Sim AY, Yeo JQ, Cheng JX, Shanmugham S., Hasan SS.	NA
291. Factors associated with poor CD4 and viral load outcomes in patients with HIV/AIDS	Journal of Medical Virology	2015	Vol88, 5	Ahmed SI, ..... Hasan SS, Lee CKC	12.7

## THEME SIX: Educational research

Title	Journal name	Year	Volume and pages	Authors	Impact Factor
292. A pharmacist-led educational intervention to improve nebulization-related knowledge and practices of nursing staff: a pre-post interventional study from Pakistan	Drugs and Therapy Perspectives	2022	Vol38 Pp194-200	Mustafa ZU, ..., Hasan SS, Khan AH	1.2
293. Pharmacy Practice and Its Research: Evolution and Definitions	Encyclopedia of Pharmacy Practice and Clinical Pharmacy	2019	Vol1 Pp1-6	Hasan SS, Thiruchelvam K, Kairuz T, Abbas N, Babar Z.	-
294. An evaluation of self-perceived professionalism among health professions' students	Pharmacy Education	2019	Vol19 Pp396-405	Ahmed SI, Lin LK, Ing JCS, Hasan SS, Anwar M, Babar MG.	NA
295. Patients' involvement in the care process: time to value nontraditional indicators in HIV care	HIV Medicine	2018	Vol19 Pp e68-e69	Ahmed SI, Hasan SS, Babar MG.	3.094
296. Assessment of attitudes for interprofessional team working and knowledge of health professions competencies for final year health professional students	The Asia Pacific Scholar	2018	Vol3 Pp27-37	Wong PS, Hasan SS, Ooi J, Lawrence SHL, Nadarajah VD.	NA
297. Academic dishonesty among academics in Malaysia: a comparison between healthcare and non-healthcare academics	BMC Medical Education	2018	Vol18 Pp1-10	Tiong J JL, Kho HL, Mai CW, Lau HL, Hasan SS.	3.263
298. Simulation-based instruction for pharmacy practice skill development: A review of the literature	Archives of Pharmacy Practice	2017	Vol8 Pp43-50	Hasan SS, Chong DWK, Wong PS, Kumar S, Ahmed SI, Mittal P.	NA
299. Publish or perish: A mandate with negative collateral consequences	Academic Medicine	2017	Vol92 Pp140	Hasan SS, Ahmadi K.	8.034
300. Patients' Perceptions of Dental Students' Empathic, Person-Centered Care in a Dental School Clinic in Malaysia	Journal of Dental Education	2017	Vol81 Pp404-412	Babar MG, Hasan SS, Yong WM, Mitha S, Al-Waeli HA.	2.313
301. Implementing professionalism by deprofessionalized strategies: A moral quandary	Currents in Pharmacy Teaching and Learning	2017	Vol9 Pp9-11	Ahmadi K, Hasan SS.	1.2
302. The health professionals' right to refuse: is it good, bad or ugly?	International Journal of Pharmacy Practice	2015	Vol23, 92	Ahmadi K, Hasan SS, Ahmadi K	1.8
303. Perceived impact of clinical placements on students' preparedness to provide patient-centred care in Malaysia	Currents in Pharmacy Teaching and Learning	2013	Vol5, 4	Hasan SS, Wong PS, Ahmed SI....	1.2

304. Clinical pharmacy and pharmaceutical care: a need to homogenize the concepts	American Journal of Pharmaceutica I Education	2010	Vol74, 193g	Ahmed SI, Hasan SS, Hassali MA	3.3
305. Influences on Malaysian pharmacy students' career preferences	American Journal of Pharmaceutica I Education	2010	Vol74, 166	Hasan SS, Chong DWK...Ahmad i K....	3.3