

International Conference on Pharmaceutical
Sciences (ICOPS@IIUM2022)

8th & 9th August 2022

BOOK OF ABSTRACTS

*Enhancement of Pharmaceutical
Efficacy through Sustainable
Research and Innovation*

Organisers:



AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

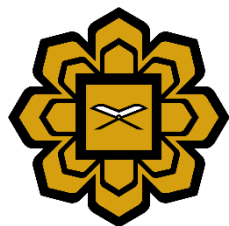
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Uhamka
UNIVERSITAS MUHAMMADIYAH PROF. DR. HAMKA

Abstracts of the
International Conference on Pharmaceutical Sciences
ICOPS@IIUM2022

Kuantan, Malaysia, 8th & 9th August 2022



International Conference on Pharmaceutical Sciences

ICOPS@IIUM2022

Virtual Conference | 8th & 9th August 2022

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About ICOPS@IIUM2022

The pharmaceutical science field concerns a spectrum of areas of study that include pharmacoeconomics, clinical sciences, drug delivery, drug action, drug discovery and design, and regulatory affairs. This field is growing fast, creating room for improvement and opportunities for pharmaceutical scientists to innovate and develop new drugs and new approaches to diseases and other related subjects of interest.

Conferences and seminars are great places for scientists to expand their knowledge on a lot of things. It might involve learning from leading researchers, new methods, new tools, and data that have not been published. Additionally, it provides a great forum for networking with colleagues in the field, meeting like-minded people, and receiving feedback from others.

Kulliyyah of Pharmacy, IIUM successfully hosted the International Conference on Industrial Pharmacy (ICIP) in 2014 and 2016. The third ICIP conference was slated to take place in 2020. However, the conference was held for a period because of the COVID-19 pandemic. For 2022, we are hosting this conference jointly with the Faculty of Pharmacy and Science at Universitas Muhammadiyah Prof. Dr. Hamka (UHAMKA), Jakarta, Indonesia, in an effort to boost participation in the pharmaceutical discipline globally. The conference is now known as the "International Conference on Pharmaceutical Sciences (ICOPS)" to reflect this rebranding. The conference is held virtually as a first step to inspire all pharmaceutical scientists after the pandemic. This year's selected theme is Enhancement of Pharmaceutical Efficacy through Sustainable Research and Innovation.

General Information

ORGANISING COMMITTEE

Advisors

Dr. Juliana Md Jaffri

Assoc. Prof. Dr. Hazrina Ab. Hadi

Chairperson

Prof. Dr. Muhammad Taher Bakhtiar

Deputy Chairperson

Dr. apt. Fith Khaira Nursal

Secretariat & Registration

1. Assoc. Prof. Dr. Mohd. Rushdi Abu Bakar (Head)
2. Sr. Zaililah Md Tahir
3. Sr. Rahmatul Wahida Ahmad
4. Sr. Siti Rusianti Tomin
5. Drs. apt. Inding Gusmayadi
6. Anang Rohwiyono

Programme

1. Dr. Irna Elina Ridzwan (Head)
2. Dr. Izzat Fahimuddin Mohamed Suffian
3. Sr. Amirah Binti Abdul Rashid

IT & Technical

1. Dr. Syahrir Zaini (Head)
2. Br. Mohamad Dzadil Syakirin M Shaari
3. Sr. Umi Kalthum Mohd Hanapi (ITD, OCD)
4. Br. Najmuddin Md Yasim
5. apt. Kriana Efendi

Scientific

1. Dr. Muhammad Taufiq Mohd Jailani (Head)
2. Dr. Muhammad Salahuddin Bin Haris@Harith
3. Dr. Awis Sukarni Mohmad Sabere
4. Dr. apt. Hadi Sunaryo
5. Dr. apt. Rini Prastiwi

Treasury

1. Br. Mohd Danial Jamaludin (Head)
2. Br. Ahmad Khuzairi Irfan Alias (Finance Department, OCD)
3. Apt. Kori Yati

Publication & Program Book

1. Dr. Kamal Rullah (Head)
2. Assoc. Prof. Dr. Farahidah Mohamed

Promotion & Publicity

1. Dr. Zalikha Ibrahim (Head)
2. Assoc. Prof. Dr. Alfi Khatib

IIUM and Assoc. Professor Dr. Supandi from the University of Hamka for sharing your vast experience. We wish that your sharing can inspire us to be involved in research in the pharmaceutical fields.

Allow me to express our gratitude to the hardworking organising committee from IIUM and Uhamka to make this virtual conference successful.

Finally, we would like to express our heartiest gratitude to the platinum sponsor BUCHI Malaysia Sdn. Bhd., Pharmaniaga Bhd., and to other sponsors Johnson & Johnson Sdn. Bhd., K-Link International Sdn. Bhd. and Dream AI Enterprise.

We wish all the participants a productive and enjoyable conference.

Thank you very much.

Wassalamualaikum Wr. Wb.

Prof. Dr. Muhammad Taher
Chairperson ICOPS@IIUM 2022

Conference Schedule

TIME	DAY 1 (8th August 2022)	
08.00-08.20	Registration Zoom Link: https://iium.zoom.us/j/94695185372 Meeting ID: 946 9518 5372 Passcode: 467105	
08.20-08.25	Welcoming Address by Master of Ceremony	
08.25-08.30	Recitation of Al-Quran	
08.30-08.40	Welcoming Speech by Chairperson of ICOPS 2022	
08.40-08.50	Opening Speech by Rector of UHAMKA	
08.50-09.00	Officiation of ICOPS2022 by the Rector of IIUM	
09.00-09.05	Photo Session	
09.05-09.45	Plenary I: Prof. Dr. Mohamad Haniki (International Islamic University Malaysia)	
09.45-10.00	Sponsored talk by BUCHI Malaysia Sdn. Bhd.	
10.00-10.40	Plenary II: Dr. Abd Almonem Doolanea (International Islamic University Malaysia)	
10.40-10.45	Tea Break	
	BREAKOUT ROOM A	BREAKOUT ROOM A
Oral Presentation Session 1		
10.45-11.00	1A. Aqilah Amran (IIUM)	1B. Muhammad Hakeem (IIUM)
11.00-11.15	2A. Umar Azhan (IIUM)	2B. Ihsan Safwan (FRIM)
11.15-11.30	3A. Maduka Chetana (GPRCP)	3B. Nur Farahani (UiTM)
11.30-11.45	4A. Srilakshmi Gamagundam (GPRCP)	4B. Karishma Kanukuntla (GPRCP)
11.45-12.00	Invited speaker I (Apt. Dina Permata Wijaya, M.Si)	Invited speaker II (Apt. Sofia Fatmawati, MS)
12.00-12.15	5A. Nurul Huda Kamsani (IIUM)	5B. Abdur Rashid Mia (IIUM)
12.15-12.30	6A. Silagani Navyasri (GPRCP)	6B. A. Rama (GPRCP)
12.30-12.45	7A. Aisha Rahman (GPRCP)	7B. Mustofa Ahda (UAD)
12.45-13.00	8A. Shweta Savarn (GPRCP)	8B. Nur Farisya (IIUM)
13.00-14.00	Lunch Break	

Oral Presentation Session 2		
14.00-14.15	9A. CV Sai Sravani (GPRCP)	9B. Helmi Husaini (IIUM)
14.15-14.30	10A. Javeria Tamkeen (GPRCP)	10B. Sapiah Derahman (USM)
14.30-14.45	Invited speaker III (Apt. Hariyanti, M.Si)	Invited speaker IV (Apt. Hafiz Ramadhan, MS)
14.45-15.00	11A. Veeranti Vipanchi (GPRCP)	11B. Nur Adibah (IIUM)
15.00-15.15	12A. Nurul Jummah (ITB)	12B. Sasha Abu Rass (UKM)
15.15-15.30	15A. Somaia Abueta (IIUM)	13B. Hariyanti (UHAMKA)
15.40-16.20	Keynote Speaker I: Prof. Dr. Gavin Halbert (University of Strathclyde)	
16.20-17.00	Keynote Speaker II: Prof. Dr. Seid Mahdi Jafari (Gorgan University)	
End of Day 1		

TIME	DAY 2 (9th August 2022)	
08.00-08.30	Registration Zoom Link: https://iium.zoom.us/j/94695185372 Meeting ID: 946 9518 5372 Passcode: 467105	
08.30-09.10	Keynote Speaker III: Prof. Dr. Dyah Aryani Perwitasari (Universitas Ahmad Dahlan)	
09.10-09.25	Sponsored talk by Pharmaniaga Bhd.	
09.25-10.05	Plenary III: Prof. Dr. Kenji Mishima (University of Fukuoka)	
10.05-10.15	Tea Break	
	BREAKOUT ROOM A	BREAKOUT ROOM B
Oral Presentation Session 3		
10.15-10.30	14A. Ebrahim Sadaqa (ITB)	14B. Rindita (UHAMKA)
10.30-10.45	13A. Silvy Aldila (UNAND)	15B. Siska (UHAMKA)
10.45-11.00	16A. Nur Suhaila Sudarman (IIUM)	16B. Budi Untari (UNSRI)
11.00-11.15	17A. Maimuna Fatima (GPRCP)	17B. Herlina (UNSRI)
11.15-11.30	Invited speaker V (Prof. Dr. Marlina, MS)	18B. Izzuddin Ahmad Nadzirin (IIUM)
11.30-11.45	20A. Lili Fitriani (UNAND)	Invited speaker VI (Prof. Dr. Bharath Kumar)
11.45-12.00	21A. Uswatul Hasanah (UNAND)	19B. Fitria Nugrahaeni (UHAMKA)
12.00-12.15	22A. Inding Gusmayadi (UHAMKA)	20B. Dyah Rahmasari (UMM)
12.15-12.30	23A. Landyyun R. Sjahid (UHAMKA)	21B. Fitri Yuniarti (UHAMKA)
12.30-12.45	24A. Adhitya Jessica (UNAND)	22B. T.Vithya (RGUHS)
12.45-13.00	25A. Tahyatul Bariroh (UHAMKA)	23B. Yeni (UHAMKA)
13.00-14.00	Lunch Break	

Oral Presentation Session 4		
14.00-14.15	Lunch Break	24B. Nora Wulandari (UHAMKA)
14.15-14.30		25B. Yen Yen Indrawijaya (UNAIR)
14.30-14.45	Invited speaker VII (Dr. Nor Amlizan Ramli)	Invited speaker VIII (Mr. Mohemmad Redzuan)
14.50-15.30	Keynote Speaker IV: Prof. Dr. Farid Dorkoosh (Tehran University of Medical Sciences)	
15.30-16.10	Plenary IV: Assoc. Prof. Dr. Supandi (UHAMKA)	
16.10-16.15	Tea Break	
16.15-16.30	Closing Speech by Deputy Chairperson of ICOPS 2022	
16.45-17.00	Postgraduate awards presentation	
End of Day 2		

INTERNATIONAL CONFERENCE ON PHARMACEUTICAL SCIENCES

ICOPS@IIUM2022

"Enhancement of Pharmaceutical Efficacy through Sustainable Research and Innovation"

ABSTRACTS

INVITED SPEAKER-II

SIMULTANEOUS IDENTIFICATION OF SILDENAFIL CITRATE AND TADALAFIL IN HERBAL COFFEE USING THIN LAYER CHROMATOGRAPHY-DENSITOMETRY

Fatmawati, S^{1*}, Situmorang, A², and Hanifa, B³

ABSTRACT

The use of herbal medicine in Indonesia as an alternative medication in communities is generally high. Currently, herbs are also packaged in the form of coffee or other powdered drinks to provide a more comfortable consumption. In this study, identification of sildenafil and tadalafil in herbal coffee marketed in online shops was carried out because the transaction was more numerous and widespread. Samples of herbal coffee and reference were tested by Thin Layer Chromatography Densitometry using ethyl acetate-methanol-Ammonia as mobile phase. Selectivity of the method showed that sildenafil and tadalafil in herbal drink can be separated using this method. The test results showed from 10 herbal coffee samples, 4 samples were identified as containing sildenafil and 4 samples containing tadalafil.

KEYWORDS:

Sildenafil;
Tadalafil;
Coffee;
Herbal;
Chromatography.

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X



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Pharmacy,
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Faculty of Pharmacy
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Dr. Hamka

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12.30-12.45	7A. Aisha Rahman (GPRCP)	7B. Mustofa Ahda (UAD)
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13.00-14.00	Lunch Break	
Session 2	Oral Presentation Session 2	Oral Presentation Session 2
14.00-14.15	9A. CV Sai Sravani (GPRCP)	9B. Helmi Husaini (IIUM)
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10.05-10.15	Tea Break	
	BREAKOUT ROOM A	BREAKOUT ROOM B
Session 3	Oral Presentation Session 3	Oral Presentation Session 3
10.15-10.30	14A. Ebrahim Sadaqa (ITB)	14B. Rindita (UHAMKA)
10.30-10.45	13A. Silvy Aldila (UNAND)	15B. Siska (UHAMKA)
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12.45-13.00	25A. Tahyatul Bariroh (UHAMKA)	23B. Yeni (UHAMKA)
13.00-14.00	Lunch Break	
Session 4	Oral Presentation Session 4	Oral Presentation Session 4
14.00-14.15	Lunch Break	24B. Nora Wulandari (UHAMKA)
14.15-14.30		25B. Yen Yen Indrawijaya (UNAIR)
14.30-14.45	Invited speaker VII (Dr. Nor Amlizan Ramli)	Invited speaker VIII (Dr. Redzuan)
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End of Day 2		



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Apt. Sofia Fatmawati

as

Invited Speaker

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ICOPS@IIUM 2022

on 8th – 9th August 2022

PROF. DR. MUHAMMAD TAHER BIN BAKHTIAR

Chairman of ICOPS@IIUM 2022