



## Curriculum Vitae

**PROFESSOR MOHD CAIRUL IQBAL MOHD AMIN, PhD, RPh, MMPS**



<https://orcid.org/0000-0001-7394-1328>

<b>PERSONAL INFORMATION</b>	
<i>Name</i>	: <i>MOHD CAIRUL IQBAL BIN MOHD AMIN</i>
<i>Research Interest</i>	: <i>Novel Drug Delivery, Nano Drug Delivery, Hydrogel, Dosage Form Design, Pharmaceutical Sciences</i>
<i>h-index</i>	: <i>Scopus: 31</i>
<i>Total citations</i>	: <i>Scopus: 3270</i>
<b>ACADEMIC QUALIFICATION</b>	
<b>Doctor of Philosophy</b>	
<i>Area</i>	<i>Pharmaceutics</i>
<i>Date</i>	<i>September 2001</i>
<i>Institution Name</i>	<i>University of Manchester</i>
<b>Bachelor of Pharmacy (Honours)</b>	
<i>Area</i>	<i>Pharmacy</i>
<i>Date</i>	<i>September 1996</i>
<i>Institution Name</i>	<i>University of Manchester</i>
<b>Pre University</b>	
<i>Year</i>	<i>1990 - 1992</i>
<i>Institution Name</i>	<i>Centre for Preparatory Studies, ITM, Shah Alam</i>
<i>Qualification</i>	<i>A Levels</i>
<b>WORKING EXPERIENCE</b>	
<i>Tutor</i>	<i>1997 - 2001</i>
<i>Lecturer/Assoc. Prof/Professor</i>	<i>17 years in Pharmaceutical Technology, Physical Pharmacy, Drug Delivery (2001 – 2018)</i>
<i>Pharmacist</i>	<i>Trainee Pharmacist, Lloydspharmacy, Manchester, United Kingdom (2000 – 2001)</i>
	<i>Locum Pharmacist, Guardian Pharmacy, Taman Maluri, Cheras (2004 – 2006)</i>
	<i>Trainee Pharmacist, Muar Specialist Hospital, Johor (1996-1997)</i>
<i>Administrative Positions</i>	<i>Acting Head of Department (2007)</i>
	<i>Deputy Dean (Graduate, Research &amp; Innovation) (2008-2013)</i>
	<i>Deputy Dean (Undergraduate, Alumni and International Affairs) (2013-2015)</i>
	<i>Deputy Leader UKM Grand Challenges (Niche: Malaysia Health &amp; Wellness) (2018)</i>
	<i>Deputy Director General Higher Education (Research &amp; International), Department of Higher Education, Ministry of Education (2019-2021).</i>

## **PROFESSIONAL QUALIFICATION & AFFILIATIONS**

### **Professional Qualification:**

Registered Pharmacist with Malaysian Pharmacy Board (Reg. No: 3715)

### **Affiliations:**

Life Member of Academy of Professors Malaysia

Fellow of Academy of Professors Malaysia

Council Member of Academy of Professors Malaysia (2021-2023)

Head of Medical and Health Cluster, Academy of Professors Malaysia (2021-2023)

Life Member of Malaysian Pharmacy Society

Life Member of Malaysian Society of Pharmaceutical Technology

Founder and former President of The Malaysia Local Chapter of The Controlled Release Society (2014-2018)

Member of Controlled Release Society (2013-present)

Member of International Society of Pharmaceutical Engineering (2011)

Member of Royal Pharmaceutical Society of Great Britain (1998-2001)

## **AWARDS**

<b>No.</b>	<b>Awards</b>	<b>From</b>	<b>Date</b>
1.	Excellent Service Award 2014	UKM	10 June 2014
2.	RMK-9 MOSTI Science Fund Project Completion Certificate	MOSTI	2012
3.	Excellent Lecturer Award 2010	UKM	22 March 2011
4.	Excellent Service Award 2010	UKM	2010
5.	Gold medal won at International Invention Innovation Industrial Design & Technology Exhibition for invention Nata de coco-based hydrogel: A Novel Cooling-aid Fever Patch.	ITEX	14 – 16 May 2010
6.	Bronze medal won at International Invention Innovation Industrial Design & Technology Exhibition for invention Nata Nanogel: A Frontier to Novel Drugs Delivery Systems	ITEX	2008
7.	Silver medal won at 16 <sup>th</sup> International Invention Innovation Industrial Design & Technology Exhibition for the invention Nata De Coat: A New Film Coating Agent for Pharmaceutical Applications	ITEX	2005
8.	Bronze medal won at Ekspo Penyelidikan & Inovasi for project titled 'Tableting Properties of Binary Mixture Tablets'	UKM	2005
9.	Silver medal won at Research and Innovation Expo for research titled 'Development of a Tablet Coating Agent Using Bacterial Cellulose (Nata De Coco) From Acetobacter Xylinum'	UKM	2004
10.	Bronze medal won at National Research and Innovation Expo for research titled 'Nata De Coat: A Film Coating Agent for Pharmaceutical Application	MOSTI	2004
11.	Gold medal won at Research & Innovation Expo for product titled Palm I.V. – Emulsi Minyak Sawit	UKM	2004

<b>INVENTIONS</b>			
<b>No.</b>	<b>Name of Invention</b>	<b>Date of Confirmation</b>	<b>Date of Exhibition/Patent/Copyright</b>
1.	<i>Biopolymer Coating Composition</i>	27/12/2005	Patent Granted No: MY - 140715 - A
2.	<i>A Method of Producing Hydrogel and A Product Derived Thereof (Nata De Coco-based Hydrogel for Pharmaceutical, Medical and Cosmetic Application)</i>	31/03/2010	Patent Application No: PI2010001420
3.	<i>A Hydrogel. (Nata de coco-based hydrogel via microwave irradiation technique for pharmaceutical, biomedical and cosmeceutical applications.)</i>	23/12/2013	Patent Application No: PI 2013004622
4.	<i>Chitosan-Based Skin-Targeted Nanoparticle Drug Delivery System And Method (Hydrocortisone and hydroxytyrosol loaded chitosan nanoparticles)</i>	18/11/2013	Patent Application No: PI 2013004157
5.	<i>Method For Preparing Drug-Loaded Amphiphilic Copolymer Micelle And Composition Thereof (Cholic acid-polyethyleneimine micelles for targeted delivery of antitumor drugs)</i>	12/12/2013	Patent Application No: PI 2013004477
<b>COMMERCIAL ACTIVITY</b>			
<i>Founder, Director and Shareholder for iCON PHARMA Sdn Bhd (92299 K) – subsidiary of UKMTECH Sdn Bhd for its commercialization activities hydrogel with CRDF funds from MTDC of RM 2,000,000.00</i>			

Mohd Cairul Iqbal Mohd Amin is a Professor in Pharmaceutics in the Faculty of Pharmacy, Universiti Kebangsaan Malaysia where he has been a faculty member since 1997. He was seconded as Deputy Director General at the Department of Higher Education, Ministry of Education, Malaysia from 2019-2021. He was formerly served as Deputy Dean (Postgraduate, Research & Innovation) from 1998 - 2013 and then as Deputy Dean (Undergraduate, Alumni & International Affairs) from 2013-2015. Previously, he was appointed as Deputy Leader for UKM Grand Challenges under Malaysia and Wellness research theme.

Mohd Cairul Iqbal completed his Ph.D. in Pharmaceutics (2001) and undergraduate (1996) studies in Pharmacy both at the University of Manchester, United Kingdom. His research interests are mainly in the area of pharmaceutics, ranging from novel drug delivery design to formulations with a focus on hydrogel and micellar drug delivery systems. In recent years, he has focused his research on the use of bacterial cellulose-based hydrogel as a carrier for transdermal and oral drug and protein delivery as well as on nanoparticles and micellar drug delivery systems for anti-cancer drugs. His current work is focussing on the novel formulation of aerosolised immunoliposomes loaded with antiviral drugs against SARS-CoV-2. To date he has published nearly 100 publications mainly in high impact factor journals (Q1 and Q2) in his area of expertise. He has also successfully supervised eleven (11) PhD and nine (9) MSc graduates. In terms of research grants, he has been awarded with various internal and external research grants namely UKM internal grants, Sciencefund, FRGS, ERGS with total accumulation almost to RM 10 million.

Mohd Cairul Iqbal has served on over various conferences and workshop program committees. He has also served as panel of accreditation for pharmacy program on behalf of the Malaysian Pharmacy Board and Malaysian Qualifying Agency (MQA). He is also the founder and former President for The Malaysia Local Chapter of the Controlled Release Society Inc. (MyCRS), a Chapter that focus on the use of controlled release technology for pharmaceuticals, agriculture, food and other relevant industries.

**Publications:**

The latest publications can be found at: <https://www.scopus.com/authid/detail.uri?authorId=7403041166>

or

<https://scholar.google.com.my/citations?user=SekqCRsAAAAJ&hl=en>