

PROFILE		
1	NAME	Wong Tin Wui
2	ACADEMIC POSITION	Professor and Principal Fellow
3	STATUS OF APPOINTMENT	Permanent
4	CITIZENSHIP	Malaysian
5	EDUCATION	PhD
6	WORKING EXPERIENCE	<p>Professor Dr Wong Tin Wui obtained his PhD degree from the National University of Singapore in 1999. He is presently the lecturer at the Faculty of Pharmacy and principal fellow at the Non-Destructive Biomedical and Pharmaceutical Research Centre, Smart Manufacturing Research Institute, Universiti Teknologi MARA. His research areas are primarily focused on particle/scaffold design for oral, transdermal and pulmonary drug delivery, and design of pharmaceutical processors for innovative dosage form manufacture. He has published over 120 peer reviewed articles. He is the editorial board member of Asian Journal of Pharmaceutical Sciences, Associate Editor of Drug Development and Industrial Pharmacy, Drug Design, Development and Therapy, Frontiers in Pharmacology, Technology in Cancer Research and Treatment, and Regional Editor of Current Drug Delivery.</p> <p>Professor Wong is the founder of Non-Destructive Biomedical and Pharmaceutical Research Centre, Malaysia and Sino-Malaysia Molecular Oncology and Traditional Chinese Medicine Delivery Joint Research Centre, Medical College, Yangzhou University, China. He is the advisory board member/outstanding scientists jury/chief jury for several international conference and innovation awards (eg. Maurice-Marie Janot Award and Lecture, Tefarco Innova-PharmaTech Scientist Award, Malaysia Technology Expo Innovation Awards). He serves as the visiting professor of UCSI University and Taylor's University, Malaysia and National University of Singapore, lecture professor of Yangzhou University, China, and adjunct professor of Nirma University, India.</p>

7	CURRENT ACADEMIC RESPONSIBILITIES	Head of Non-Destructive Biomedical and Pharmaceutical Research Centre, Smart Manufacturing Research Institute, Universiti Teknologi MARA.
8	RESEARCH INTERESTS/ PROJECTS	Precision nanomedicine design for cancer and diabetes treatment.
9	PUBLICATIONS	<ol style="list-style-type: none"> 1. Rebecca Shu Ling Tan, Pouya Hassandarvish, Chin Fei Chee, Lai Wah Chan, Tin Wui Wong. Chitosan and its derivatives as polymeric anti-viral therapeutics and potential anti-SARS-CoV-2 nanomedicine. Carbohydrate Polymers (In press). 2. Wendy Wei Gan, Lai Wah Chan, Wenji Li, Tin Wui Wong. Critical clinical gaps in cancer precision nanomedicine development. Journal of Controlled Release (In Press). 3. Yazid Zaiki, Lee Yong Lim, Tin Wui Wong. Critical material designs for mucus- and mucosa-penetrating oral insulin nanoparticle development. International Materials Reviews (In Press). 4. Yazid Zaiki, Tin Wui Wong. Targeting genetic pool for long non-coding RNA of cancer stem cells with aptamer-guided nanocarriers. Expert Opinion on Drug Delivery 18(12), 1791-1793, 2021. 5. Mulham Alfatama, Lee Yong Lim, Tin Wui Wong. Chitosan oleate-tripolyphosphate complex-coated calcium alginate bead: Physicochemical aspects of concurrent core-coat formation. Carbohydrate Polymers 273, 118487, 2021. 6. Ainnur Marlyana Abd Majid, Mohd Hezri Fazalul Rahiman, Tin Wui Wong. Non-dispersive impact technology for powder flow characterization. International Journal of Pharmaceutics 605, 120786, 2021.

		<ol style="list-style-type: none"> 7. Mohd Saufi Harun, Tin Wui Wong, Chee Wai Fong. Advancing skin delivery of α-tocopherol and γ-tocotrienol for dermatitis treatment via nanotechnology and microwave technology. <i>International Journal of Pharmaceutics</i> 593, 120099, 2021. 8. Nafisha Shaedi, Idanawati Naharudin, Chee Yan Choo, Tin Wui Wong. Design of oral intestinal-specific alginate-vitexin nanoparticulate system to modulate blood glucose of diabetic rats. <i>Carbohydrate Polymers</i> 254, 117312, 2021. 9. Ruhisy Mohd Rasul, M Tamilarasi A/P Muniandy, Zabliza Zakaria, Kifayatullah Shah, Chin Fei Chee, Ali Dabbagh, Noorsaadah Abd Rahman, Tin Wui Wong. A review on chitosan and its development as pulmonary particulate anti-infective and anti-cancer drug carriers. <i>Carbohydrate Polymers</i> 250, 116800, 2020. 10. Sharipah Razali, Anirbandeep Bose, Pee Win Chong, Camillo Benetti, Paolo Colombo, Tin Wui Wong. Design of multi-particulate “Dome matrix” with sustained-release melatonin and delayed-release caffeine for jet lag treatment. <i>International Journal of Pharmaceutics</i> 587, 119618, 2020. 11. Nasser Alhajj, Zabliza Zakaria, Idanawati Naharudin, Fakhrol Ahsan, Wenji Li, Tin Wui Wong. Critical physicochemical attributes of chitosan nanoparticles admixed lactose-PEG3000 microparticles in pulmonary inhalation. <i>Asian Journal of Pharmaceutical Sciences</i> 12, 374-384, 2020. 12. Nafisah Musa, Tin Wui Wong. Design of polysaccharidic nano-in-micro soft agglomerates as primary oral drug delivery vehicle for colon-specific targeting. <i>Carbohydrate Polymers</i> 247, 116673, 2020. 13. Musalli AH, Talukdar PD, Roy P, Kumar P, Wong TW. Folate-induced nanostructural changes of oligochitosan nanoparticles and their fate of cellular internalization by melanoma. <i>Carbohydrate Polymers</i> 244, 116488, 2020. 14. Harjoh N, Wong TW, Caramella C. Transdermal insulin delivery with microwave and fatty acids as permeation enhancers. <i>International Journal of Pharmaceutics</i> 584, 119416, 2020. 15. Alhajj N, Chee CF, Wong TW, Abd Rahman N, Abu Kasim NH, Colombo P. Lung cancer: Active therapeutic targeting and inhalational nanoparticle
--	--	---

		<p>design. Expert Opinion on Drug Delivery, 15(12), 1223-1247, 2018.</p> <p>16. Alfatama M, Lim LY, Wong TW. Alginate-C18 conjugate nanoparticles loaded in tripolyphosphate-crosslinked chitosan-oleic acid conjugate-coated calcium alginate beads as oral insulin carrier. Molecular Pharmaceutics 15(8), 3369-3382, 2018.</p> <p>17. Nawaz A, Wong TW. Chitosan-carboxymethyl-5-fluorouracil-folate conjugate particles: Microwave modulated uptake by skin and melanoma cells. Journal of Investigative Dermatology 138(11), 2412-2422, 2018.</p> <p>18. Rahim Khan N, Wong TW. 5-Fluorouracil Ethosomes - Skin Deposition and Melanoma Permeation Synergism with Microwave. Artificial Cells, Nanomedicine and Biotechnology 46(S1), 5568-5577, 2018.</p>
10	RESEARCH GRANTS	MOSTI ICF.
11	AWARDS	Top Research Scientist Malaysia, Academy of Sciences Malaysia.
12	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	Controlled Release Society.
13	PARTICIPATION IN CONTINUING EDUCATION	Malaysia Technology Expo Sustainable Development Goals International Innovation Awards Event – Education platform.
14	COMMUNITY SERVICES	World Vision Malaysia-Universiti Teknologi MARA Sustainable Development Goals on children sponsorship.