

<b>PROFILE</b>		
<b>1</b>	<b>NAME</b>	Dr. Nor Khaizan Anuar
<b>2</b>	<b>ACADEMIC POSITION</b>	Senior lecturer
<b>3</b>	<b>STATUS OF APPOINTMENT</b>	Permanent
<b>4</b>	<b>CITIZENSHIP</b>	Malaysian
<b>5</b>	<b>EDUCATION</b>	<ul style="list-style-type: none"> <li>● PhD (Pharmaceutics) Universiti Teknologi MARA (UiTM), 2013</li> <li>● MSc (Pharmaceutics) Universiti Teknologi MARA (UiTM), 2007</li> <li>● B.Eng. (Chemical Engineering – Polymer), Universiti Teknologi Malaysia (UTM), 2004</li> </ul>
<b>6</b>	<b>WORKING EXPERIENCE</b>	<ul style="list-style-type: none"> <li>● Head of Pharmaceutics Department, Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 16 June 2023 – present.</li> <li>● Senior Lecturer (DM51), Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 9 October 2013 – present.</li> <li>● Head of Pharmaceutics Department, Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 1 April 2018 – 31 March 2020.</li> <li>● Lecturer (DM45), Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 1 February 2011 – 8 October 2013.</li> </ul>
<b>7</b>	<b>CURRENT ACADEMIC RESPONSIBILITIES</b>	<ul style="list-style-type: none"> <li>● PHC611: Industrial Pharmacy Practice</li> <li>● PHC413: Physical Pharmacy</li> <li>● PHC560: Nutraceuticals</li> <li>● PHC610: Research proposal (Supervisor)</li> <li>● PHC632: Research project (Supervisor)</li> </ul>
<b>8</b>	<b>RESEARCH INTERESTS/ PROJECTS</b>	<ul style="list-style-type: none"> <li>● Polysaccharide use in pharmaceutical applications</li> <li>● Transdermal drug delivery</li> <li>● Mechanism for enhancing skin permeation</li> <li>● Development and characterisation of novel wound dressings</li> </ul>
<b>9</b>	<b>PUBLICATIONS</b>	<b>2019-2023</b>

### Journal article

- 1) S. Z. Zainuddin, N. J. M. R. Ramond, and **N. K. Anuar**, "Polysaccharide-based formulations for the treatment of diabetic wounds: A review." *Research Journal of Pharmacy and Technology*, vol. 16, pp. 2835-2842, 2023.
- 2) N. A. Yahaya, **N. K. Anuar**, and N. M. Saidin. "Hibiscus rosa-sinensis mucilage as a functional polymer in pharmaceutical applications: A review." *International Journal of Applied Pharmaceutics*, vol. 15, pp. 44-49, 2023.
- 3) N. N. Nordin, N. K. Aziz, I. Naharudin, and **N. K. Anuar**. "Effects of drug-free pectin hydrogel films on thermal burn wounds in streptozotocin-induced diabetic rats," *Polymers*, vol. 14, pp. 2873, 2022.
- 4) N. M. Saidin, **N. K. Anuar**, T. W. Wong, M. M. R. Meor Mohd Affandi and W. R. Wan Engah. "Skin barrier modulation by *Hibiscus rosa-sinensis* L. mucilage for transdermal drug delivery," *Polymer Bulletin*, vol. 79, pp. 3099–3115, 2022.
- 5) N. J. M. R. Ramond and **N. K. Anuar**. "Hydroxypropyl methylcellulose-based films embedded with garlic oil-loaded chitosan microparticles as a potential oral mucosal drug delivery system," *International Journal of Pharmaceutics, Nutraceuticals and Cosmetic Science*, vol. 4, pp. 33-46, 2021.
- 6) M. A. H. Osman, T. W. Wong and **N. K. Anuar**. "A revisit to the effects of zinc salt on skin wound healing," *Journal of Dermatological Treatment*, vol. 16, pp. 1-4, 2019.
- 7) L. Zakaria, T. W. Wong, **N. K. Anuar**, I. Naharudin, M. Tripathy, R. Sheshala, Z. Hussain, "Enhancing Sustained Drug Release Property of Chitosan in Spheroids through Crosslinking Reaction and Coacervation," *Powder Technology*, vol. 354, pp. 815–821, 2019.
- 8) R. Sheshala, **N. K. Anuar**, N. H. A. Samah, and T. W. Wong, "In Vitro Drug Dissolution/Permeation Testing of Nanocarriers for Skin Application: a Comprehensive Review," *AAPS PharmSciTech*, vol. 20, pp. 164, 2019.
- 9) Hussain M, Sahudin S, Abu Samah NH, and **N. K. Anuar**, "Students Perception of an Industry-Based Approach Problem-Based Learning (PBL) and their

		<p>Performance in Drug Delivery Courses,” <i>Saudi Pharm. J.</i>, vol. 27, pp. 274-282, 2019.</p> <p><b>Conference paper</b></p> <p><b>Published paper:</b></p> <ol style="list-style-type: none"> <li>1) N. M. Saidin, <b>N. K. Anuar</b>, M. M. R. M.eor Mohd Affandi, W. R. Wan Engah, “Structural and Thermal Characterisation of Hibiscus rosa-sinensis Mucilage for Pharmaceutical Applications,” <i>Malaysian Journal of Medicine and Health Sciences</i> Vol.19 Supp 7, June 2023 (eISSN 2636-9346).</li> <li>2) N. M. Hairul, S. I. Ibrahim, <b>N. K. Anuar</b>, N. Salim, M. H. Zulfakar, “Celecoxib-loaded Nanoemulsion: Solubility of Celecoxib in Various Fractionated Medium Chain Triglycerides and Surfactants,” <i>Malaysian Journal of Medicine and Health Sciences</i> Vol.19 Supp 7, June 2023 (eISSN 2636-9346).</li> <li>3) A. Ahmady, <b>N. K. Anuar</b>, N. H. A. Samah, “Effect of Tannic Acid on the Functional Properties of Gelatine Films,” <i>Malaysian Journal of Medicine and Health Sciences</i> Vol.19 Supp 7, June 2023 (eISSN 2636-9346).</li> </ol> <p><b>Master thesis</b></p> <p>N. M. Saidin. Skin barrier modulation by <i>Hibiscus rosa-sinensis</i> mucilage for transdermal drug delivery. Universiti Teknologi MARA, Malaysia; 2020.</p>
10	<b>RESEARCH GRANTS</b>	<ul style="list-style-type: none"> <li>• Unraveling drug transport mechanisms of prednisolone-loaded solid lipid nanoparticles infused with superparamagnetic iron oxide for improved transdermal drug delivery system. FRGS. 1 Oct 2023 – 30 Sep 2026. RM 170,500.00. Principal investigator.</li> <li>• Cancer biology profiling of oligochitosan-fatty acid nanoglycoconjugates as a function of fatty acid composition. FRGS. 1 Oct 2023 – 30 Sep 2026. RM 158,353.00. Member.</li> <li>• Elucidating the penetration enhancement mechanism of medium chain triglycerides nanogel on the transcutaneous delivery of lipophilic anti-inflammatory</li> </ul>

		<p>drugs. FRGS. 7 Sep 2021 – 6 Sep 2024. RM 149,479.00. Member.</p> <ul style="list-style-type: none"> <li>• Method development of spray dried lime juice powder. Industrial Grant. 8 Jul 2020 – 31 Mar 2021. RM 3,000.00. Principal investigator.</li> <li>• Deciphering the Mechanism of Transdermal Drug Permeation Enhancement by Hibiscus Rosa-Sinensis Mucilage. FRGS. 1 Aug 2016 – 31 Jan 2019. RM 92,000.00. Principal investigator.</li> <li>• Healing mechanisms of thermal burn wound treated with drug-free pectin hydrogel in streptozotocin-induced diabetes rat model. Geran penyelidikan khas UiTM. 21 Dec 2020 – 18 Jun 2023. RM 20,000.00. Principal investigator.</li> </ul>
<b>11</b>	<b>AWARDS</b>	<ul style="list-style-type: none"> <li>• UiTM Excellent Service Award (academic staff category), UiTM, 2022.</li> <li>• Gold medal- Nanorelief Gel. International Mega Innovation Carnival, Malaysia, 2023.</li> <li>• Gold medal- HRS Mucilage: A Multifunctional Excipient for Pharmaceutical Applications. Virtual PHARM-IIDEx, Malaysia, 2022</li> <li>• Silver medal- HRS Mucilage as Natural Transdermal Permeation Enhancer. Invention, Innovation &amp; Design Exposition, UiTM, Malaysia, 2021.</li> <li>• Gold medal- Pectin Hydrogel Wound Dressing for Diabetic Burn Wounds. Malaysia Technology Expo, Malaysia, 2021.</li> </ul>
<b>12</b>	<b>PARTICIPATION IN CONTINUING EDUCATION</b>	<ul style="list-style-type: none"> <li>• Virtual International Research Network Initiative (IRNI), November 2022, Malaysia.</li> <li>• Virtual International Research Network Initiative (IRNI) &amp; International Postgraduate Conference On Pharmaceutical Sciences (IPoPS), September 2021, Malaysia.</li> <li>• YSN-ASM International Scientific Virtual Conference (ISVC), March 2021, Malaysia.</li> <li>• 4th Asian Conference on Pharmaceutical Sciences, August 2019, Shah Alam Malaysia.</li> </ul>

		<ul style="list-style-type: none"> <li>• 6th International Conference on Pharmaceuticals, Nutraceuticals and Cosmetic Science (IPNACS), November 2018, Manila Philippines.</li> </ul>
<b>13</b>	<b>COMMUNITY SERVICES</b>	<ul style="list-style-type: none"> <li>• Head of project “Murid Angkat Sekolah Kebangsaan Puncak Alam (2)”, 2020 - present.</li> <li>• Facilitator “Program Pengurusan Emosi: Impak kepada Sahsiah dan Kecemerlangan Akademik”, Sekolah Kebangsaan Puncak Alam (2), 26 September 2023.</li> <li>• Committee (Bureau of Academic) Persatuan Ibubapa dan Guru Sekolah Kebangsaan Puncak Alam (2), Sessions: 2021/2022 &amp; 2022/2023.</li> </ul>