PROFILE		
1	**NAME**	NURHUDA MANSHOOR
2	**ACADEMIC POSITION**	ASSOCIATE PROFESSOR
3	**STATUS OF APPOINTMENT**	PERMANENT
4	**CITIZENSHIP**	MALAYSIA
5	**EDUCATION**	PhD (Natural Products Chemistry) UiTM, 2011 MSc (Phytochemistry) UKM, 2003 BSc (Chemistry) UM, 2000
6	**WORKING EXPERIENCE**	12 YEARS
7	**CURRENT ACADEMIC RESPONSIBILITIES**	Pharmaceutical Analysis Pharmaceutical Organic Chemistry I Pharmaceutical Organic Chemistry II Pharmacognosy
8	**RESEARCH INTERESTS/ PROJECTS**	**Research Interest:** Phytochemistry of Dipterocarpaceous plants: oligostilbenes and other phenolic compounds. Chromatography: Development of modern methodologies in phytochemistry, include extensive usage of HPLC, LC-MS, CPC, and others. Dereplication of natural products: Developing dereplication strategy on a highly automated platform for rapid identification of closely related compounds in complex mixture. **Current project**: Absolute configuration and bioactivity relationship of isomeric miyabenols C the relationship between bioactivities of miyabenols C with their isomeric properties Phytochemistry and antimicrobial activity of *Calotropis procera*
9	**PUBLICATIONS**	1. Mohammad Humayoon Amini, Kamran Ashraf, Fatimah Salim, Siong Meng Lim, Kalavathy Ramasamy, **Nurhuda Manshoor**, Sadia Sultan, Wasim Ahmad (2021). Important insights from the

		antimicrobial activity of *Calotropis procera.* Arabian Journal of Chemistry, 14(7), 103181. 2. Amjad Ayad Qatran Al-Khdhairawi, Syahrul Imran, **Nurhuda Manshoor**, Geoffrey A. Cordell, Narendra Babu Shivanagere Nagojappa, Jean-Frédéric F. Weber (2021). Synthesis of the Trans-Syn-Trans Perhydrobenzo[f]chromene Ring System. *ChemRxiv*, 1-4. 3. Siti Azima Abdul Muttalib, Noriham Abdullah, **Nurhuda Manshoor** (2021). Phytochemical evaluation and antimicrobial activity of selected pigmented plants: *Garcinia mangostana*, *Clitoria ternatea*, *Ardisia colorata* var *elliptica* and *Syzygium cumini*. *Journal of Academia,* 9 (2) 131 – 144 4. Al-Khdhairawi, A.A.Q., Low, Y.-Y., **Manshoor, N**., ...Shivanagere Nagojappa, N.B., Weber, J.-F.F. (2020). Asperginols A and B, Diterpene Pyrones, from an Aspergillus sp. And the Structure Revision of Previously Reported Analogues. *Journal of Natural Products*, 83(12), 3564–3570. 5. M. Hussain, F.B., Al-Khdhairawi, A.A.Q., Kok Sing, H., ...**Manshoor, N**., Weber, J.-F.F. (2020). Structure Elucidation of the spiro-Polyketide Svalbardine B from the Arctic fungal endophyte *Poaceicola* sp. E1PB with support from extensive ESI-MS^n Interpretation. *Journal of Natural Products*, 83(12), 3493–3501. 6. Nur Afiqatul Fatin Rosli, **Nurhuda Manshoor** (2020). Chromatographic conditions for baseline resolution of *Dipterocarpus semivestitus* extracts. *Australian Journal of Basic and Applied Sciences,* 14 (5), 12-18. 7. **Nurhuda Manshoor**, Abidul Hafidz Abdul Rahman (2020). HPLC profiles of *Dipterocarpus crinitus* extracts from different plant organs and geographical locations. *Eurasian Journal of Analytical Chemistry*, 15 (1), 85-92. 8. Mohamad Azim Izzat Saarani, Sharifah Husna Aqilah Syed Mohamad, **Nurhuda Manshoor** (2019). Flash liquid chromatography for isolation of oligostilbenes

		from the methanol extract of *Dipterocarpus semivestitus* (Dipterocarpaceae). *International Journal of Applied Chemistry*, 15 (2), 121-132. 9. Zakaria, F., Ibrahim, W.N.W., Ismail, I.S., Ahman, H., **Manshoor, N**., Ismail, N., Zainal, Z., Shaari, K. (2019). LCMS/MS metabolite profiling and analysis of acute toxicity effect of the ethanolic extract of *Centella asiatica* on zebrafish model. *Pertanika Journal of Science and Technology*, 27 (2), 985-1003. 10. Jalal, R.S., Weber, J.-F.F., **Manshoor, N**. (2018). Dereplication of oligostilbenes in dipterocarpaceous plants using LCMS-ESI-Ion trap-database. *Journal of Liquid Chromatography and Related Technologies*, 1-9. 11. Ramli, R., Ismail, N. H., **Manshoor, N**. (2017). Recycling HPLC for the purification of oligostilbenes from *Dipterocarpus semivestitus* and *Neobalanocarpus heimii* (Dipterocarpaceae). *Journal of Liquid Chromatography and Related Technologies*, 40(18), 943-949. 12. A.M. Siti Azima, A. Noriham, **N. Manshoor** (2017). Phenolics, antioxidants and color properties of aqueous pigmented plant extracts: *Ardisia colorata* var. *elliptica*, *Clitoria ternatea*, *Garcinia mangostana* and *Syzygium cumini*. *Journal of Functional Foods*, 38, 232-241. 13. Naveena Reddy Kalidas, Mookiah Saminathan, Intan Safinar Ismail, Faridah Abas, Prasenjit Maity,Syed Sirajul Islam, **Nurhuda Manshoor**, Khozirah Shaari (2017). Structural characterization and evaluation of prebiotic activity of oil palm kernel cake mannanoligosaccharides. *Food Chemistry*, 234, 348-355. 14. Erni Muis, Rohaity Ramli, **Nurhuda Manshoor** (2017). A single HPLC method for separation of oligostilbenes from different Dipterocarpaceae extracts. *Malaysian Journal of Analytical Sciences*, 12(1), 27-36. 15. Syamimi Hamid, Rohaity Ramli, **Nurhuda Manshoor** (2016). Resolving Co-eluted

		Oligostilbenes using Recycling High Performance Liquid Chromatography (R-HPLC). *Australian Journal of Basic and Applied Sciences*, 10(16), 111-116. 16. Fatin Nur Afiqah M R, Rohaity Ramli, **Nurhuda Manshoor** (2016). Development of RP-HPLC Conditions for Separation of Oligostilbenes in 12 Dipterocarpaceae Crude Extracts. *International Journal of Pharmacognosy and Phytochemical Research*, 8(12), 1929-1934 17. **Nurhuda Manshoor**, Mohd F. Fathil, Muhammad H. Jaafar, Mohd A. S. A. Jalil (2016). Liquid chromatography-mass spectrometry dereplication strategy for isolation of oligostilbenes. *International Journal of Applied Chemistry*, 12 (2), 121-128. 18. Nursyaza Husna Shaharuddin, Nor Hadiani Bte Ismail, **Nurhuda Binti Manshoor**, Fatimah Binti Salim, Rohaya Binti Ahmad (2016). Chemical profiling and identification of alkaloids and flavonoids in *Uncaria lanosa* var. ferrea via UHPLC-ORBITRAP MS. *Malaysian Journal of Analytical Sciences*, 20 (2) 318-323. 19. Rohaity Ramli, Nor Hadiani Ismail, **Nurhuda Manshoor** (2015). Identification of oligostilbenes from *Dipterocarpus semivestitus* through dereplication technique. *Jurnal Teknologi*, 77 (2), 85–88. 20. **Nurhuda Manshoor** and Jean-Frédéric F. Weber (2015). Mass Spectrometric Analysis for Discrimination of Diastereoisomers. *Mass Spectrometry Letters*, 6 (4), 99-104. 21. **Nurhuda Manshoor** and Jean-Frédéric F. Weber (2015). Mass Fragmentation Patterns as Fingerprints for Positive Identification of Polyphenolic Compounds in a Crude Extract *Mass Spectrometry Letters*, 6 (4), 105-111. 22. **Nurhuda Manshoor**, Aizam Ekhmal, Qamarusy Syazwan, Mohd Shafarin, Norizan Ahmat (2015). Mass fragmentation patterns as fingerprints in identification of known oligostilbenes in dryobalanops spp. Extracts. *International Journal of*

		Pharmacognosy and Phytochemical Research, 7(6), 1147-1152. 23. Bayach, I., **Manshoor, N**., Sancho-García, J.C., Choudhary, M. I., Trouillas, P., Weber, J. F. (2015). Oligostilbenoids from the Heartwood of *N. Heimii*: Role of Non-Covalent Association in their Biogenesis. *Chemistry-An Asian Journal*, 10, 198-211. 24. Siti Azima, A. M., Noriham, A. and **Manshoor, N**. (2014). Anthocyanin content in relation to the antioxidant activity and colour properties of *Garcinia mangostana* peel, *Syzigium cumini* and *Clitoria ternatea* extracts. *International Food Research Journal*, 21(6): 2369-2375. 25. **Nurhuda Manshoor**, Ratni Suriyani Jalal and Jean-Frederic Faizal Weber (2014). Dereplication of closely related diastereoisomers. *The Polyphenol Communication*, 657-658. 26. Siti Fatimah Wahid, Che Puteh Osman, Nor Hadiani Ismail, Ratni Suriyani Jalal and **Nurhuda Manshoor** (2013). Distinguishing isomeric anthraquinone by LC-MS. *Global Journal of Pharmacology*, 7 (4): 479-485. 27. **Nurhuda Manshoor**, Ratni Suriyani Jalal, Nur Saiful Irwan Muhamad, Muhammad Sufi Neemad and Rasadah Mat Ali (2013). Rapid Identification of Oligostilbenes in Two *Shorea* Species. *World Applied Sciences, Journal* 21 (10): 1540-1545. 28. **Nurhuda Manshoor** and Jean-Frederic Faizal Weber (2013). Ampelopsin H, a Pallidol Derivative Oligostilbene. *Science Letters*, Vol 7, No 2, 11–15. 29. Siti Azima, A.M., Noriham, A. and **Nurhuda, M.** (2013). Antioxidant Activities of *Syzygium cumini* and *Ardisia elliptica* in relation to their estimated phenolic compositions and chromatic properties. *International Journal of Bioscience, Biochemistry and Bioinformatics*, 3(4), 314-317. 30. Siti Y.M. Subki, Jamia A. Jamal, Khairana Husain and **Nurhuda Manshoor** (2013). Characterisation of leaf essential oils of three *Cinnamomum* species from

		Malaysia by gas chromatography and multivariate data analysis. *Pharmacognosy Journal,* 5, 22-29. 31. A. Wibowo, N. Ahmat, A.S. Hamzah, A.L.M. Low, S.A.S. Mohamad, H.Y. Khong, A.S. Sufian, **N. Manshoor**, H. Takayama (2012). Malaysianol B, an oligostilbenoid derivative from *Dryobalanops lanceolata*. *Fitoterapia*. 83 (8), 1569-1575. 32. Noviany, Hasnah Osman, Wong Keng Chong, Khalijah Awang and **Nurhuda Manshoor** (2012). Isolation and Characterisation of l,l'-binaphthalene-2,2'-diol, A New Biaryl Natural Product from *Sesbania grandiflora* Root. *Journal of Basic & Applied Sciences*. 8 (1), 253-256. 33. Weesam Al-Rashidi, Nur Nadrah Mat Supri and **Nurhuda Manshoor** (2011). Cytotoxic activities of crude extract from *Costus malortieanus* (Costaceae). *American-Eurasian Journal of Toxicological Sciences*. 3 (2), 63-66. 34. Julius Kulip, Lam Nyee Fan, **Nurhuda Manshoor**, Avelinah Julius, Idris Mohd. Said, Johnny Gisil, Julianah A. Joseph, Welly Frederick Tukin Ahmad (2010). Medicinal plants in Maliau Basin, Sabah, Malaysia. *Journal of Tropical Biology and Conservation*. 6, 21-33.
10	**RESEARCH GRANTS**	(**2019-2021**) Appraisal of the relationship between bioactivities of miyabenols C with their isomeric properties (FRGS - MOHE) (**2019-2021**) Absolute configuration and bioactivity relationship of isomeric miyabenols C, oligostilbenes from *keruing padi*, an endangered dipterocarpaceous species (LESTARI – UiTM) (**2018-2020**) Absolute configurations of isomeric miyabenols C, oligostilbenes from *keruing padi* (GIP – UiTM) (**2015-2017**) Unraveling the enzymes involved in dimerization of resveratrol (FRGS - MOHE) (**2013-2015**) Mass spectra deconvolution as dereplication strategy for rapid secondary

			metabolite identification (ERGS - MOHE)
		(**2013-2014**)	Scientific Expedition to Svalbard Island (VCSP – UiTM)
		(**2012-2014**)	Resveratrol-based oligomeric polyphenols from *Dipterocarpus semivestitus* (Dipterocarpaceae) (Science Fund – MOSTI)
		(**2012-2014**)	Fast analysis of wood extractives for authentication of plant species (FRGS – MOHE)
		(**2011-2013**)	LC-MS approach in characterization of oligostilbenes directly from the crude mixture of *Neobalanocarpus heimii* methanolic extract (FRGS – MOHE)
		(**2010-2013**)	Use of ion trap MS as a tool to identify closely related polyphenols from crude extract (Dana Kecemerlngan – UiTM)
		(**2010-2012**)	LC-MS/MS approaches to characterize oligostilbenes directly from crude extract mixtures (FRGS – MOHE)
11	**AWARDS**	UiTM excellence service award, year 2016 Matsumae International Research Fellowship Award (2016) Groupe Polyphenols Senior Grant Award (2014) Recipient of MOE postdoctoral scholarship (2014) UiTM Young Lecturer Scheme Scholarship (2005-2009)	
12	**INVOLVEMENT IN PROFESSIONAL ORGANISATIONS**	International Group of Polyphenols Malaysian Natural products Society Malaysian Metabolomics Society	
13	**PARTICIPATION IN CONTINUING EDUCATION**		
14	**COMMUNITY SERVICES**		