

CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI <i>(Personal Details)</i>			
Nama Penuh <i>(Full Name)</i>	Siti Munirah Binti Mohd Faudzi		Gelaran <i>(Title)</i> : Dr.
No. MyKad / No. Pasport <i>(Mykad No. / Passport No.)</i>	Warganegara <i>(Citizenship)</i> Malaysian	Bangsa <i>(Race)</i> Malay	Jantina <i>(Gender)</i> Female
Jawatan <i>(Designation)</i> Pensyarah Kanan	Senior Lecturer	Tarikh Lahir <i>(Date of Birth)</i>	19 December 1987

Alamat Semasa <i>(Current Address)</i>	Jabatan/Fakulti <i>(Department/Faculty)</i>	E-mel dan URL <i>(E-mail Address and URL)</i>
	Department of Chemistry, Faculty of Science, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor Tel: +603-89466797 Fax:	E-mail: sitimunirah@upm.edu.my URL: H/P:

B. KELAYAKAN AKADEMIK <i>(Academic Qualification)</i>			
Nama Sijil / Kelayakan <i>(Certificate / Qualification obtained)</i>	Nama Sekolah Institusi <i>(Name of School / Institution)</i>	Tahun <i>(Year obtained)</i>	Bidang pengkhususan <i>(Area of Specialization)</i>
PhD	UPM	2015	Medicinal Chemistry
Bachelor Degree	UPM	2009	Chemistry

C. KEMAHIRAN BAHASA <i>(Language Proficiency)</i>					
Bahasa / Language	Lemah <i>Poor (1)</i>	Sederhana <i>Moderate (2)</i>	Baik <i>Good (3)</i>	Amat Baik <i>Very good (4)</i>	Cemerlang <i>Excellent (5)</i>
English				√	
Bahasa Melayu					√
Chinese					
Lain-lain <i>(other)</i> :					

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN (<i>Scientific experience and Specialisation</i>)				
Organization	Position	Start Date	End Date	Expertise
Aurigene Discovery Technology Limited	Research Attachment	31 December 2012	29 January 2013	Medicinal Chemistry
University of Geneva, Switzerland	Research Attachment	1 November 2017	31 January 2018	Mass Spectrometry
Kyushu Institute of Technology, Japan	Research attachment	12 February 2018	21 February 2018	Medicinal Chemistry

E. PEKERJAAN (<i>Employment</i>)				
Majikan / Employer	Jawatan / Designation	Jabatan / Department	Tarikh lantikan / Start Date	Tarikh tamat / Date Ended
UPM	Tutor	Chemistry	19 August 2009	14 April 2015
UPM	Senior Lecturer	Chemistry	15 April 2015	Current

F. ANUGERAH DAN HADIAH (<i>Honours and Awards</i>)				
Name of awards	Title	Award Authority	Award Type	Year
Graduate Chemistry Medalist	Best Overall Chemistry Student	Faculty of Science, UPM	National	2009
Graduate Chemistry Medalist	Best Student of BSc (Hons) Chemistry	Faculty of Science, UPM	National	2009
TNCPI Visibility Grant	TNCPI Visibility Grantee	Universiti Putra Malaysia	National	2017
Awards of Merit	Excellent service awards	Universiti Putra Malaysia	-	2019

G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (<i>List of publications – author (s), title, journal, volume, page and year published</i>)	
Journal	
	<ol style="list-style-type: none"> Sze Wei Leong, Siti Munirah Mohd Faudzi, Faridah Abas, Mohd Fadhilzil Fasihi Mohd Aluwi, Kamal Rullah, Lam Kok Wai, Mohd Nazri Abdul Bahari, Syahida Ahmad, Chau Ling Tham, Khozirah Shaari, Nordin H. Lajis (2014). 'Synthesis and SAR study of curcuminoid analogues as new anti-inflammatory agents'. <i>Molecules</i>. 19, 16058-16081. Siti Munirah Mohd Faudzi, Leong Sze Wei, Faridah Abas, Mohd Fadhilzil Fasihi Mohd Aluwi, Kamal Rullah, Lam Kok Wai, Mohd Nazri Abdul Bahari, Syahida Ahmad, Chau Ling Tham, Khozirah Shaari, Nordin H. Lajis (2015). 'Synthesis, biological evaluation, QSAR studies of diarylpentanoid analogues as potential nitric oxide inhibitors'. <i>Medicinal Chemistry Communication</i>. Leong Sze Wei, Siti Munirah Mohd Faudzi, Faridah Abas, Mohd Fadhilzil Fasihi Mohd Aluwi, Kamal Rullah, Lam Kok Wai, Mohd Nazri Abdul Bahari, Syahida Ahmad, Chau Ling Tham, Khozirah Shaari, Nordin H. Lajis (2015). 'Nitric oxide inhibitory activity and antioxidant evaluations of 2-benzoyl-6-benzylidenecyclohexanone analogues, a novel series of curcuminoid and diarylpentanoid derivatives'. <i>Bioorganic and Medicinal Chemistry Letter</i>. pii:

S0960-894X(15)00530-2.

4. Mohd Fadhlizil Fasihi Mohd Aluwi, Kamal Rullah, Bohari M. Yamin, Leong Sze Wei, Mohd Nazri Abdul Bahari, **Siti Munirah Mohd Faudzi**, Juriyati Jalil, Faridah Abas, Norsyahida Mohd Fauzi, Nor Hadiani Ismail, Ibrahim Jantan, Lam Kok Wai (2016). 'Synthesis of unsymmetrical monocarbonyl curcumin analogues with potent inhibition on prostaglandin E2 production in LPS-induced murine and human macrophages cell lines'. *Bioorganic and Medicinal Chemistry Letter*. pii: S0960-894X(16)30324-9.
5. Tahani Awini, Ahmed Mediani, Maulidiani, Khozirah Shaari, **Siti Munirah Mohd Faudzi**, Mohd Aspollah Sukari, Nordin H. Lajis, and Faridah Abas (2016). 'Phytochemical profiles and biological activities of Curcuma species subjected to different drying methods and solvent systems: NMR-based metabolomics approach'. *Industrial Crops and Products*, 94: 342-352.
6. Vithya Velaithan, Kazuhide Shaun Okuda, Norazwana Samat, Sze Wei Leong, **Siti Munirah Mohd Faudzi**, Faridah Abas, Khozirah Shaari, Sok Ching Cheong, Pei Jean Tan, Vyomesh Patel (2017). 'Zebrafish phenotypic screen identifies novel Notch antagonists'. *Investigational New Drugs*, 35(2): 166-179.
7. Siti Mariam Mohd Nor, Siti Fadilah Juhan, Nur Kartinee Kassim, **Siti Munirah Mohd Faudzi**, Mohd Shukri Mat Ali (2018). '2-arylhydrobenzofuran Neolignans: Synthesis of Ficusal and Tomentosanan B'. *Der Chemica Sinica*, 9(2): 633-639.
8. Siti Mariam Mohd Nor, Siti Fadilah Juhan, Nur Kartinee Kassim, **Siti Munirah Mohd Faudzi**, Mohd Shukri Mat Ali (2018). 'One step synthesis of new derivatives of 4-aryl coumarins and neolignans'. *Chemistry Research Journal*, 3(4): 85-97.
9. Tahani Awini, Ahmed Mediani, Maulidiani, Sze Wei Leong, **Siti Munirah Mohd Faudzi**, Khozirah Shaari, Faridah Abas (2018). 'Phytochemical and bioactivity alterations of Curcuma species harvested at different growth stages by NMR based metabolomics'. *Journal of Food Composition and Analysis*, 77(2019): 66-76.
10. Tahani Awini, Nawal Buzgaia, Siti Zulaikha Abd Ghafar, Ahmed Mediani, **Siti Munirah Mohd Faudzi**, Maulidiani, Khozirah Shaari, Faridah Abas (2019). 'Identification of nitric oxide inhibitory compounds from rhizome of Curcuma xanthorrhiza'. *Food Bioscience*, 29, 126-134.
11. Sze Wei Leong, Tahani Awini, Maulidiani, Siti Munirah Mohd Faudzi, Khozirah Shaari, Faridah Abas (2019). 'Synthesis and biological evaluation of asymmetrical diarylpentanoids as anti-inflammatory, anti α -glucosidase and antioxidant agents'. *Medicinal Chemistry Research*, 11, 2002-2009.
12. **Siti Munirah Mohd Faudzi**, Maryam Aisyah Abdullah, Mohd Rashidi Abdull Manap, Ahmad Zaidi Ismail, Kamal Rullah, Mohd Fadhlizil Fasihi Mohd Aluwi, Aizi Nor Mazila Ramli, Faridah Abas, Nordin H. Lajis (2020). 'Inhibition of nitric

oxide and prostaglandin E₂ production by pyrrolylated-chalcones: Synthesis, biological activity and molecular docking studies'. *Bioorganic Chemistry*, 94, 103376.

13. Tahani Awin, Ahmed Mediani, **Siti Munirah Mohd Faudzi**, Maulidiani, Sze Wei Leong, Khozirah Shaari, Faridah Abas (2020). 'Identification of α -glucosidase inhibitory compounds from *Curcuma mangga* fractions'. *International Journal of Food Properties*, 23, 154-166.
14. Hamza Ahmed Pantami, Muhammad Safwan Ahamad Bustamam, Soo Yee Lee, Intan Safinar Ismail, **Siti Munirah Mohd Faudzi**, Masatoshi Nakakuni, Khozirah Shaari (2020). 'Comprehensive GCMS and LC-MS/MS Metabolite Profiling of *Chlorella vulgaris*'. Preprints. DOI:10.20944/preprints202006.0108.v1
15. Muhammad Azimuddin Roselan, Siti Efliza Ashari, Nur Hana Faujan, **Siti Munirah Mohd Faudzi**, Rosfarizan Mohamad (2020). 'An Improved Nanoemulsion Formulation Containing Kojic Monooleate: Optimization, Characterization and In Vitro Studies'. *Molecules*, 25 (11), 2616
16. Fadzil Sulaiman, Amalina Ahmad Azam, Muhammad Safwan Ahamad Bustamam, Sharida Fakurazi, Faridah Abas, Yee Xuan Lee, Atira Adriana Ismail, **Siti Munirah Mohd Faudzi**, Intan Safinar Ismail (2020). 'Metabolite Profiles of Red and Yellow Watermelon (*Citrullus lanatus*) Cultivars Using a 1H-NMR Metabolomics Approach'. *Molecules* 25 (14), 3235.
17. Maryam Aisyah Abdullah, Yu-Ri Lee, Siti Nurulhuda Mastuki, Leong Sze Wei, Wan Norhamidah Wan Ibrahim, Muhammad Alif Mohammad Latif, Aizi Nor Mazila Ramli, Mohd Fadhlizil Fasihi Mohd Aluwi, **Siti Munirah Mohd Faudzi**, Cheol-Hee Kim (2020). 'Development of a new class of diarylpentadienone analogues as anti-diabetic agents: Synthesis, in vitro biological and in vivo toxicity evaluations, and molecular docking analyses'. *Bioorganic Chemistry*. 104 (2020), 104277-104291.
18. **Siti Munirah Mohd Faudzi**, Leong Sze Wei, Faruk Adam Auwal, Faridah Abas, Lam Kok Wai, Syahida Ahmad, Chau Ling Tham, Khozirah Shaari, Nordin H. Lajis, Bohari M. Yamin (2020). '*In-silico* studies, nitric oxide and cholinesterases inhibition activities of pyrazole and pyrazoline analogues of diarylpentadienones'. *Archiv der Pharmazie. Arch Pharm (Weinheim)*. e2000161. doi:10.1002/ardp.202000161
19. Maryam Aisyah Abdullah, **Siti Munirah Mohd Faudzi**, Nadiah Mad Nasir (2020). 'A review on synthetic methodologies and biological properties of the diarylpentadienones'. *Mini-reviews in Medicinal Chemistry*. 21(9): 1058 – 1070.
20. Anis Irfan Norazhar, Soo Yee Lee, **Siti Munirah Mohd Faudzi**, Khozirah Shaari (2021). 'Metabolite profiling of *Christia vespertilionis* leaf metabolome via molecular network approach'. *Applied Science*. *Accepted*.
21. Faruk Auwal Adam, Yaya Rukayadi, Siti Nurulhuda Mastuki, Sze Wei Leong, Nadiah Mad Nasir, Kok Wai Lam, **Siti Munirah Mohd Faudzi** (2021). 'Synthesis and *in silico* studies of diarylpentadienones and its new pyrazoline derivatives as α -glucosidase inhibitor and antioxidants'. *Journal of the Iranian Chemical Society*. *Submitted*.

<i>Books/Monographs</i>	
<i>Chapter in book</i>	<ol style="list-style-type: none"> 1. Siti Nurulhuda Mastuki, Siti Munirah Mohd Faudzi, Norsharina Ismail, Norazalina Saad. "Chapter 41: Muntingia Calabura: Chemical Composition, Bioactive Component And Traditional Uses". Wild Fruits: Composition, Nutritional Value and Products, Springer, 2019. 2. Siti Nurulhuda Mastuki, Siti Munirah Mohd Faudzi, Norsharina Ismail, Norazalina Saad, Norefrina Shafinaz Md Nor. "Chapter 23: Biological activities of <i>Allanblackia</i> (<i>Allanblackia parviflora</i>) oil". Wild Fruits: Composition, Nutritional Value and Products, Springer, 2019. Mariod - Multiple Biological Activities of Unconventional Seed Oils, Elsevier, 2021. <i>Submitted</i>.
<i>Proceedings</i>	<ol style="list-style-type: none"> 1. Siti Munirah Mohd Faudzi, Faridah Abas, Lam Kok Wai, Syahida Ahmad, Chau Ling Tham, Khozirah Shaari, Nordin H. Lajis. "Synthesis and Anti-tyrosinase activity of diarylpentanoic acid analogues". Poster presentation at 17th Malaysian Chemical Congress (17 MCC), Putra World Trade Centre, Kuala Lumpur, 15th-17th October 2012. 2. Siti Munirah Mohd Faudzi, Leong Sze Wei, Faridah Abas, Lam Kok Wai, Syahida Ahmad, Chau Ling Tham, Khozirah Shaari, Nordin H. Lajis. "Design, synthesis and biological evaluation of diarylpentanoic acid derivatives as new anti-inflammation agents". Poster presentation at 2nd Junior ICCEOCA (ACP), Universiti Malaya, Kuala Lumpur, 8th-11th December 2012. 3. Siti Munirah Mohd Faudzi, Leong Sze Wei, Faridah Abas, Mohd Fadhilzil Fasihi Mohd Aluwi, Kamal Rullah, Lam Kok Wai, Mohd Nazri Abdul Bahari, Syahida Ahmad, Chau Ling Tham, Khozirah Shaari, Nordin H. Lajis. "Design, synthesis, biological evaluation, and SAR studies of diarylpentanoic acid analogues as potential anti-inflammation agents". Oral presentation at International Conference on Natural Products (ICNP) 2014, Palm Garden Hotel, IOI Resort Putrajaya, 18th-19th March 2014. 4. Siti Munirah Mohd Faudzi, Leong Sze Wei, Faridah Abas, Mohd Fadhilzil Fasihi Mohd Aluwi, Kamal Rullah, Lam Kok Wai, Mohd Nazri Abdul Bahari, Syahida Ahmad, Chau Ling Tham, Khozirah Shaari, Nordin H. Lajis. "Design, synthesis and biological evaluation of diarylpentanoic acid analogues as potential NO inhibitor". Oral presentation at Medan International Conference on Advanced Pharmaceuticals Sciences (MICAPS) 2014, Garuda Plaza Hotel, Medan, Indonesia, 3rd-4th November 2014. 5. Siti Munirah Mohd Faudzi, Leong Sze Wei, Faridah Abas, Lam Kok Wai, Syahida Ahmad, Chau Ling Tham, Khozirah Shaari, Nordin H. Lajis. "Synthesis and biological evaluation of diarylpentanoic acid-pyrazoline analogues as new cholinesterase inhibitors". Poster presentation at International Conference on Natural Products (ICNP) 2015, Double-tree Hilton Hotel, Johor Baharu, 24th-25th March 2015. 6. Siti Munirah Mohd Faudzi, Faridah Abas, Nordin H. Lajis. "Development of pyrolylated-chalcones as a lead compound to anti-inflammatory drugs". Oral presentation at Bromo Conference Symposium on Natural Products and Biodiversity, Surabaya, Indonesia, 11th-12th July 2018. 7. Siti Munirah Mohd Faudzi, Faridah Abas, Nordin H. Lajis. "Development of diarylpentadienone analogues as anti-inflammatory agents". Oral presentation

	<p>at MTSF Grant Research Symposium 2018, 30th November 2018.</p> <p>8. Siti Munirah Mohd Faudzi, Faridah Abas, Nordin H. Lajis. "Development of pyrrolylated-chalcones as a hit compound to anti-inflammatory agents". Oral presentation at International Conference on Natural Products (ICNP) 2019, Hilton Hotel, Kuching, Sarawak, 26th-28th March 2019.</p> <p>9. Maryam Aisyah Abdullah, Siti Munirah Mohd Faudzi, Meenakshi Nallappan, Muhammad Alif Muhammad Latif. "Development of a new class of diarylpentadienone analogues as dipeptidyl peptidase 4 (DPP-4) inhibitors". Oral presentation at International Conference on Natural Products (ICNP) 2019, Hilton Hotel, Kuching, Sarawak, 26th-28th March 2019.</p>
Other publications	
Computer software	

H. PROJEK PENYELIDIKAN TERDAHULU <i>(Past Research Project)</i>					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
6300820	Development of diarylpentadienone analogues as anti-inflammatory agents	Project leader	2015	MTSF	Completed
9480700	Development of diarylpentadienone analogues as alpha-glucosidase inhibitor	Project leader	2016	IPM, UPM	Completed
9618500	Development of new pyrazole derivatives of pyrrolylated-chalcones as antibacterial agents	Project leader	2018	IPS, UPM	Completed
5540147	Mapping molecular network within Butterfly pea for targeted isolation and identification of new cholinesterase inhibitors	Project Leader	2019	FRGS	On-going
9437562	<i>Pemindahan ilmu mengenai bahaya produk berasaskan bahan semula jadi terhadap pesakit kanser</i>	Project Leader	2019	KTGS	On-going
	<i>Design and Simulation Modeling of Molecular Geometry as an Interactive Tool for Teaching and Learning Chemistry</i>	Member	2019	GIPP	On-going

I. PENYELIAAN (<i>Supervision</i>)								
Category	Current student				Graduate			
	PhD	Master	FYP	Intern	PhD	Master	FYP	Intern
Chairman	-	2	3	0	-	3	17	6
Member	4	2	-	-	2	3	1	-
Total	3	7	3	0	2	3	18	6

J. KEAHLIAN (<i>Membership</i>)		
	<i>Society/ Association</i>	<i>Dates</i>
1	Member – Royal Society Chemistry (RSC)	7 April 2017 – Current
2	Member - <i>Persatuan Pegawai Akademik</i> UPM	2018 – Current
3	Member – Malaysia Natural Product Society	January 2019 - Current