



CURRICULUM VITAE

A. PERSONAL DETAIL			
<i>Full Name</i>	INTAN SAFINAR, ISMAIL		<i>Title:</i> Assoc. Prof. Dr.
<i>Mykad No. / Passport No.</i> 690120-02-5482	<i>Citizenship:</i> Malaysia	<i>Race:</i> Malay	<i>Gender:</i> Female
<i>Designation:</i> Associate Professor		<i>Date of Birth:</i> 20/01/1969	

<i>Home Address</i>	<i>Department/Faculty</i>	<i>E-mail Address and URL</i>
No. 5, Jalan Indah 17 Taman Desa Indah 71800 Nilai Negeri Sembilan	Dept. of Chemistry Faculty of Science University Putra Malaysia 43400 UPM Serdang Selangor, Malaysia Tel: 603-8946 7492 Fax: 603-8943 5380	E-mail: safinar@upm.edu.my/ julyblues@gmail.com H/P: +6019-3173098

B. ACADEMIC QUALIFICATION			
<i>Certificate / Qualification obtained</i>	<i>Name of School / Institution</i>	<i>Year obtained</i>	<i>Area of Specialization</i>
PhD	Okayama University, Japan,	2003	Natural Products Chemistry
M. Sc.	University Putra Malaysia	1997	Natural Products Chemistry
B. Sc.	Creighton University, USA	1992	Chemistry.

C. LANGUAGE PROFICIENCY					
<i>Language</i>	<i>Poor (1)</i>	<i>Moderate (2)</i>	<i>Good (3)</i>	<i>Very good (4)</i>	<i>Excellent (5)</i>
English					X
Bahasa Melayu					X
Lain-lain (other): Japanese		X			

D. SCIENTIFIC EXPERIENCE AND SPECIALIZATION				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
Okayama University, Japan	Post-doctoral	Sept. 2003	Sept. 2004	Phytochemistry
Hoshi Medical University, Tokyo, Japan	Post-doctoral	Sept. 2008	Jan. 2009	Natural products chemistry

E. EMPLOYMENT				
<i>Employer</i>	<i>Designation</i>	<i>Department</i>	<i>Start Date</i>	<i>End Date</i>
Universiti Putra Malaysia, Serdang, Selangor, Malaysia	Associate Professor	Dept. of Chemistry Faculty of Science & Laboratory of Natural Products Chemistry	August 2005	Present

University Sains Malaysia, Penang, Malaysia	Lecturer	School of Pharmaceutical Sciences	Dec 2004	June 2005
Mustajab Ind., Kedah, Malaysia	R & D Chemist	R and D	April 1998-	March 1999
RAZA Manufacturing Bhd., (Pharmaniaga Bhd.) Selangor, Malaysia	R & D Executive	R and D	July 1996	March 1998
SM Pharmaceutical Bhd.	Quality Control Chemist	QC Dept.	Aug. 1993	Oct. 1994

F. HONOR AND AWARD

<i>Name of awards</i>	<i>Title</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
AIEJ Scholarship	Graduate Student Exchange Program	Scientific Research from the Ministry of Education, Culture, Sports, Science, and Technology of Japan	International	1995-1996
Monbusho Scholarship	Graduate Student Fellowship	Scientific Research from the Ministry of Education, Culture, Sports, Science, and Technology of Japan	International	1999-2003
Monbusho Scholarship	Post-Doctoral Fellowship	Scientific Research from the Ministry of Education, Culture, Sports, Science, and Technology of Japan	International	Sept. 2003-Sept.2004
Open Research Center Project	Post-Doctoral Fellowship	Scientific Research from the Ministry of Education, Culture, Sports, Science, and Technology of Japan	International	Sept. 2008-Jan. 2009
Silver Award (PRPI 2007)	PRPI 2007	Universiti Putra Malaysia	University	Nov. 2007
Sponsorship Award	2 nd Joint Symposium on Future Prospect of Pharmaceutical Sciences (Tokyo, Japan)	Hoshi University	International	29-31 st October, 2009
Gold Award (PRPI 2010)	PRPI 2010	Universiti Putra Malaysia	University	July 2010
Excellent Service Award		Universiti Putra Malaysia	University	2009, 2010, 2011, 2013, 2014, 2016
Excellent Teaching Award	Student assessments	Universiti Putra Malaysia	Faculty	2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016
Patent Filed	An extract of <i>Z. rhetsa</i> and use thereof	Malaysia	-	PI2014003562 (Dec 2014)

G. LECTURE COURSE [2005-Present]

Teach courses of Starting School Training for fresh graduates, Organic Chemistry I, II, III, IV and Spectroscopy for undergraduates, Chromatography and Research Methodology for postgraduates, and Bridging (Basic Organic Chemistry) for laboratory assistants and officers in Universiti Putra Malaysia.

Give public lectures in conferences and workshops (Including India and Philippines)

H. LIST OF PUBLICATION

Journal

* Corresponding author

1. Urinary metabolic profiling of cisplatin nephrotoxicity and nephroprotective effects of *Orthosiphon stamineus* leaves elucidated by ^1H NMR spectroscopy. Raghunath Pariyani, **Intan Safinar Ismail***, Amalina Azam, Alfi Khatib, Faridah Abas and Khozirah Shaari. *Journal of Pharmaceutical and Biomedical Analysis* –135, 20-30 (2017)
2. Utilization of the ethyl acetate fraction of *Zanthoxylum rhetsa* bark extract as an active ingredient in natural sunscreen formulations. Ramesh Kumar Santhanam, Muhammad Tayyab Akhtar, Syahida Ahmad, Faridah Abas, **Intan Safinar Ismail**, Yaya Rukayadi, Khozirah Shaari. *Industrial Crops & Products*. 96, 165–172 (2017)
3. Stability Study of Algerian *Nigella sativa* Seeds Stored under Different Conditions. Safwan Ahamad Bustamam, Kamarul Arifin Hadithon, Ahmed Mediani, Faridah Abas, Yaya Rukayadi, Nordin Lajis and **Intan Safinar Ismail***. *Journal of Analytical Chemistry* <https://doi.org/10.1155/2017/7891434> (2017)
4. ^1H NMR metabolomic profiling unveiled the compositional changes of *Orthosiphon stamineus* leaves triggered by different drying techniques. Raghunath Pariyani, **Intan Safinar Ismail***, Amalina Ahmad Azam, Faridah Abas and Khozirah Shaari. *Journal of the Science of Food and Agriculture*. (2017)
5. Natural Compounds as Inhibitors of Plasmodium Falciparum Enoyl-acyl Carrier Protein Reductase (PfENR): An In silico Study. Radhakrishnan Narayanaswamy, Lam Kok Wai, and **Intan Safinar Ismail**. *J. Chosun Natural Sci.* 10, 1 (2017) 1 – 6
6. A new pyranoxanthone from *Garcinia nervosa*. Ka Woong Wong, Gwendoline Cheng Lian Ee, **Intan Safinar Ismail**, Thiruventhan Karunakaran & Vivien Yi Mian Jong. *Natural Products Research*. <http://dx.doi.org/10.1080/14786419.2017.1315717> (2017)
7. Comparison of ASE with in-cell cleanup and the QuEChERS sample preparation methods for the analysis of pesticide residues in tea. Abdul Kadir, H., Abas, F., Mediani, A., **Ismail, I. S.** and Lajis, N. H. *International Food Research Journal* 24(1): 261-267 (2017)
8. Urinary Metabolomics Study on the Protective Role of *Orthosiphon stamineus* in Steptozotocin Induced Diabetes Mellitus in Rats Via ^1H NMR Spectroscopy. Amalina Ahmad Azam, Raghunath Pariyani, **Intan Safinar Ismail***, Amin Ismail, Alfi Khatib, Faridah Abas, Khozirah Shaari. *BioMed Research International* (2017)- **accepted**
9. Structural characterization and evaluation of prebiotic activity of oil palm kernel cake mannanoligosaccharides. Naveena Reddy Kalidas, Mookiah Saminathan, **Intan Safinar Ismail**, Faridah Abas, Prasenjit Maity, Syed Sirajul Islam, Nurhuda Manshoor, Khozirah Shaari. *Food Chemistry*, <http://dx.doi.org/10.1016/j.foodchem.2017.04.159>. (2017).

10. A new pyranoxanthone from *Garcinia nervosa*. Ka Woong Wong, Gwendoline Cheng Lian Ee, Intan Safinar Ismail, Thiruventhan Karunakaran, Vivien Yi Mian Jong. *Natural Product Research*. <http://dx.doi.org/10.1080/14786419.2017.1315717>. (2017).
11. Characterization of Metabolite in *Phyllanthus niruri* and Correlation with Bioactivity Elucidated by Nuclear Magnetic Resonance Based Metabolomics. Ahmed Mediani, Faridah Abas *, M. Maulidiani, Khatib Alfi, Chin Ping Tan, **Intan Safinar Ismail**, Khozirah Shaari, Amin Ismail. *Molecules* (2017)
12. Comparison of partial least squares and random forests for evaluating relationship between phenolics and bioactivities of *Neptunia oleracea*. Lee, Soo Yee; Mediani, Ahmed; Maulidiani, Maulidiani; Khatib, Alfi; Ismail, **Intan Safinar**; Zawawi, Norhasnida; Abas, Faridah. *Journal of the Science of Food and Agriculture* (2017)
13. Discrimination of Stingless Bee Honey Types of Three Entomological Origins by Orthogonal Projection to Latent Structures-Discriminant Analysis and Artificial Neural Networks Classification Models using ¹H NMR-based Metabolomics Approach. Muhammad Taufiq Atsifa Razali, Zaim Akmal Zainal, Maulidiani Maulidiani, Khozirah Shaari, Zulkifli Zamri, Mohd Zainuri Mohd Idrus, Alfi Khatib, Azman Azid, Mohd Khairul Amri Kamarudin, Hafizan Juahir, Faridah Abas, **Intan Safinar Ismail***. *Food Research International* (2017) - **submitted**
14. Antibacterial activity of *Garcinia mangostana* against *Bacillus* bacterium. Thiruventhan Karunakaran, Gwendoline Cheng Lian Ee, **Intan Safinar Ismail**, Siti Mariam Mohd Nor and Nor Hisam Zamakshshari. *Natural Products Research* (2017)- **submitted**
15. Anti-Inflammatory and Anti-Microbial activity of phenolic compounds and plant extracts from *Mesua* (Clusiaceae) species. Thiruventhan Karunakaran, **Intan Safinar Ismail**, Gwendoline Cheng Lian Ee, Siti Mariam Mohd Nor, Kalaivani Palachandran and Ramesh Kumar Santhanam. *Karbala International Journal of Modern Science* (2017)- **submitted**
16. Effects of *Clinacanthus nutans* Leaf Extracts on Lipopolysaccharides (LPS)-Induced neuroinflammation Rats Observed *via* Behavioral Pattern and Serum ¹H NMR-Based Metabolomics. Amalina Ahmad Azam, Raghunath Pariyani, **Intan Safinar Ismail***, Mohd. Farooq Shaikh, Faridah Abas, Khozirah Shaari- **In preparation**
17. Foods for brain health. Tan Shih Jen and **Intan Safinar Ismail***. (2017)- **In preparation**
18. Prophylactic Nephroprotective Potential of *Clinacanthus nutans* Aqueous Extract in In Vitro Cisplatin-Induced Rat Kidney Cell Line (NRK-52E) Seen by ¹H-NMR Metabolomics Approach. Ilya Iryani Mahmud, Raghunath Pariyani, **Intan Safinar Ismail***, Alfi Khatib, Faridah Abas, Khozirah Shaari, Noorjahan Banu Mohammed Alitheen, Normi Mohd Yahaya- **In preparation**
19. Antimicrobial Activity of Algerian *Nigella sativa* Seeds Kept in Different Storage Conditions. Safwan Ahamad Bustamam, Faridah Abas, Yaya Rukayadi, Khozirah Shaari, Maulidiani Maulidiani and **Intan Safinar Ismail***. **In preparation**
20. Molecular docking analysis of selected *Clinacanthus nutans* constituents as XO, NOS, HNE, MMP 2, MMP 9 and SQS inhibitors. Radhakrishnan Narayanaswamy, Azizul Isha, Lam Kok Wai and **Intan Safinar Ismail***. *Pharmacognosy Magazine* (2016) 12 (45), 21
21. In silico Analysis of Natural Compounds as Modulators of Type I Collagen. Radhakrishnan Narayanaswamy, Lam Kok Wai, Norhaizan Mohd Esa, **Intan Safinar Ismail**. *J. Chosun Natural Sci* (2016) 9 (3), 166-170

22. Discrimination and Nitric Oxide Inhibitory Activity Correlation of Ajwa Dates from Different Grades and Origin. Nur Ashikin Abdul Hamid, Ahmed Mediani, Maulidiani Maulidiani, Faridah Abas, **Intan Safinar Ismail**, Khozirah Shaari, Nordin Lajis. *Molecules*. 21 (11), 1423 (2016)
23. Comparison of various drying techniques towards the total phenolic content in *Jatropha curcas* L. root sample. Ahmad Razi Othman, Norhani Norhani Abdullah, Syahida Ahmad, **Intan Safinar Ismail**. *Journal of Biochemistry, Microbiology and Biotechnology*. 4, 2: 22-24 (2016)
24. Metabolic and biochemical changes in streptozotocin induced obese-diabetic rats treated with *Phyllanthus niruri* extract. Ahmed Mediani, Faridah Abas, Alfi Khatib, Chin Ping Tan, **Intan Safinar Ismail**, Khozirah Shaari, Amin Ismail, NH Lajis. *Journal of Pharmaceutical and Biomedical Analysis*. 10.1016/j.jpba.2016.06.003 (2016)
25. Discrimination of *Ipomoea aquatica* cultivars and bioactivity correlations using NMR-based metabolomics approach. U. Lawal, M. Maulidiani, K. Shaari, **I. S. Ismail**, A. Khatib & F. Abas. *Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology*. Page 1-11 (2016).
26. Cytotoxic prenylated xanthone and coumarin derivatives from Malaysian *Mesua beccariana*. Thiruvethan Karunakaran, Gwendoline C.L. Ee, Keng H. Tee, **Intan S. Ismail**, Nor H. Zamakshshari, Waziri M. Peter. *Phytochemistry Letters*. Vol. 17, Pages 131–134 (2016)
27. Antioxidant and α -Glucosidase Inhibitory Activities of Isolated Compounds from *Ipomoea aquatic*. U Lawal, K Shaari, **IS Ismail**, A Khatib, F Abas. *Records of Natural Products*. Vol. 10 Issue 6, p701-707. (2016)
28. Bioactive constituents of *Zanthoxylum rhetsa* bark and its cytotoxic potential against B16-F10 melanoma cancer and normal HDF (human dermal fibroblasts) cell lines. Ramesh Kumar Santhanam, Syahida Ahmad, Faridah Abas, **Intan Safinar Ismail**, Yaya Rukayadi, Muhammad Tayyab Akhtar, Khozirah Shaari. *Molecules* (2016) <http://www.mdpi.com/1420-3049/21/6/652/pdf>
29. A New Bioactive Secondary Metabolite from *Artocarpus elasticus*. Faiqah Ramli, Mawardi Rahmani, **Intan Safinar Ismail***, Mohd Aspollah Sukari, Mashitoh Abd Rahman, Asdren Zajmi, Abdah Md Akim, Najihah Mohd Hashim and Rusea Go. *Natural Product Communications*. 11(8):1103 - 1106 (2016)
30. Harvesting Age and Time Effect of *Andrographis paniculata* Leaf on Its Anti-inflammatory Activity. Azizul Isha, Nur A'thifah Yusof, **Intan Safinar Ismail***. *Journal of Biosciences and Medicines*. 4 (12), 175 (2016)
31. ALPHA-GLUCOSIDASE INHIBITORY AND ANTIOXIDANT ACTIVITIES OF DIFFERENT *IPOMOEA AQUATICA* CULTIVARS AND LC-MS/MS PROFILING OF THE ACTIVE CULTIVAR. Umar Lawal, Sze Wei Leong, Khozirah Shaari, **Intan Safinar Ismail**, Alfi Khatib, Faridah Abas. *Journal of Food Biochemistr*. DOI: 10.1111/jfbc.12303 (2016).
32. Anti-diabetic activity and metabolic changes induced by *Andrographis paniculata* plant extract in obese diabetic rats. Muhammad Tayyab Akhtar, Mohamad Syakir Bin Mohd Sarib, **Intan Safinar Ismail**, Faridah Abas, Amin Ismail, Nordin HJ Lajis, Khozirah Shaari. *Molecules* (2016) 21(8) 1026
33. An in vitro study of the antifungal activity of *Trichoderma virens* 7b and a profile of its non-polar antifungal components released against *Ganoderma boninense*. Pei Lee, Mohd Termizi bin Yusof, **Intan Safinar Ismail**, Bonnie Yen Ping Tay, Intan Nur Ainni Mohamed Azni, Norman Hj Kamarudin, Shamala Sundram. *Journal of Microbiology* 54(11), pp 732–744 (2016)

34. Natural Product Compounds from *Calophyllum depressinervosum*. Nor Hisam Zamakshshari, Gwendoline Cheng Lian Ee, Soek Sin Teh, Shaari Daud, Thiruventhan Karunakaran and **Intan Safinar**. *Journal of Tropical Agricultural Science*. Vol. 39 (2) May (2016)
35. Chemical constituents and biological activities of *Callicarpa maingayi* leaves. MA Ado, F Abas, SW Leong, K Shaari, **IS Ismail**, HM Ghazali, NH Lajis. *South African Journal of Botany*. (2016), pp. 98-104
36. Potential role of endogeic earthworm *Pontoscolex corethrurus* in remediating banana blood disease: a preliminary observation. SK Teng, NAA Aziz, M Mustafa, R Laboh, **IS Ismail**, S Devi. *European Journal of Plant Pathology*. (2016) 1-10
37. Metabolite profiling of *Neptunia oleracea* and correlation with antioxidant and α -glucosidase inhibitory activities using ^1H NMR-based metabolomics. SY Lee, F Abas, A Khatib, **IS Ismail**, K Shaari, N Zawawi. *Phytochemistry Letters*. (2016) 16, 23-33
38. The Occurrence of Blood Disease of Banana in Selangor, Malaysia. SK Teng, NAA Aziz, M Mustafa, R Laboh, **IS Ismail**, SR Sulaiman. *International Journal of Agriculture & Biology*. (2016) 18 (1)
39. In-Vitro Study on the Effect of Endogeic Earthworm on Blood Disease Bacterium (BDB) in Banana- A Preliminary Observation. Teng Suk-Kuan, Nor Azwady Abd. Aziz, Muskhazli Mustafa, Rozeita Laboh, **Intan Safinar Ismail** and Sujithra Devi. *The Asia Journal of Applied Microbiology*, (2016), vol. 3, issue 1, pages 1-11
40. Acute toxicity study and ^1H NMR Metabolomic evaluation on hypocholesterolemic properties of the aqueous extract of *Mentha piperita* in Wistar rats. Nor Zaini Johari, **Intan Safinar Ismail***, Mohd. Roslan Sulaiman, Faridah Abas, Khozirah Shaari. *International Journal of Applied Research in Nat. Products*. Vol. 8 (1), pp. 1-11. (2015)
41. Synthesis, bioactivity evaluation, and docking study of 5-aminosalicylic acid's fatty acid derivatives. Samira Yousefi, Saadi Bayat, Mohd Basyaruddin Abdul Rahman, **Intan Safinar Ismail**, Elnaz Saki, Sze Wei Leong, Emilia Abdulmalek. *Monatshefte für Chemie - Chemical Monthly*, Vol 146 (12), pp 2139-2149 (2015)
42. Synthesis and in vitro bioactivity evaluation of new glucose and xylitol ester derivatives of 5-aminosalicylic acid. Samira Yousefi, Saadi Bayat, Mohd Basyaruddin Abdul Rahman, **Intan Safinar Ismail**, Elnaz Sakie and Emilia Abdulmalek. *RSC Advances*. DOI: 10.1039/c5ra19623j. (2015)
43. Influence of Different Drying Treatments and Extraction Solvents on the Metabolite Profile and Nitric Oxide Inhibitory Activity of Ajwa Dates. Nur Ashikin Abdul-Hamid, Faridah Abas, **Intan Safinar Ismail**, Khozirah Shaari, Nordin H Lajis. *Journal of Food Science*. (2015)
44. Antioxidant and alpha-Glucosidase Inhibitory Constituents from *Hornstedtia* Species of Malaysia. Siti Ernieyanti Hashim, Hasnah Mohd Sirat, Khong Heng Yen, **Intan Safinar Ismail**, Siti Nurulhuda Matsuki. *Natural Products Communication*. Vol. 10 (9), pp. 1561-1563 (2015)
45. Phytochemical and acute oral toxicity studies of Java tea leaf extracts. Raghunath Pariyani, **Intan Safinar Ismail***, Amalina Azam, Faridah Abas, Khozirah Shaari and Mohd Roslan Sulaiman. *BioMed Research International*. Volume 2015 (2015), Article ID 742420, 8 page
46. Phytochemical diversity of *Clinacanthus nutans* extracts and their bioactivity

correlations elucidated by NMR based metabolomics. Leng Wei Khoo, Ahmed Mediani, Nur Khaleeda Zulaikha Zolkeflee, Sze Wei Leong, **Intan Safinar Ismail**, Alfi Khatib, Khozirah Shaari, Faridah Abas. *Phytochemistry Letters*. Vol. 14, pp. 123-133. (2015)

47. Phytochemical and biological features of *Phyllanthus niruri* and *Phyllanthus urinaria* harvested at different growth stages revealed by ¹H NMR-based metabolomics. Ahmed Mediani, Faridah Abas, Alfi Khatib, Chin Ping Tan, **Intan Safinar Ismail**, Khozirah Shaari, Amin Ismail, NH Lajis. *Industrial Crops and Product*. Vol. 77, pp. 602-613. (2015)
48. Induction of cell cycle arrest and apoptosis by betulinic acid-rich fraction from *Dillenia suffruticosa* root in MCF-7 cells involved p53/p21 and mitochondrial signalling pathway. Foo JB, Yazan LS, Tor YS, Wibowo A, Ismail N, How CW, Armania N, Loh SP, **Ismail IS**, Cheah YK, Abdullah R. *J Ethnopharmacol*. 166, 270-278 (2015)
49. Relationship between Metabolites Composition and Biological Activities of *Phyllanthus niruri* Extracts Prepared by Different Drying Methods and Solvents Extraction. Mediani, Ahmed; Abas, Faridah; Khatib, Alfi; Tan, Chin Ping; **Ismail, Intan Safinar**; Shaari, Khozirah; Ismail, Amin and Lajis, Nordin. *Plant Foods for Human Nutrition*. 70(2), 184-192 (2015)
50. Evaluation of antidiabetic properties of *Momordica charantia* in streptozotocin induced diabetic rats using metabolomics approach. V Perumal, WC Khoo, A Abdul-Hamid, A Ismail, K Saari, S Murugesu, F Abas, **IS Ismail**, NH Lajis, MY Mushtaq, A Khatib. *International Food Research Journal*. 22(3) (2015)
51. Induction of Apoptosis in MCF-7 Cells via Oxidative Stress Generation, Mitochondria-Dependent and Caspase-Independent Pathway by Ethyl Acetate Extract of *Dillenia suffruticosa* and Its Chemical Profile. Yin Sim Tor, Latifah Saiful Yazan, Jhi Biau Foo, Agustono Wibowo, Norsharina Ismail, Yoke Kqueen Cheah, Rasedee Abdullah, Maznah Ismail, **Intan Safinar Ismail**, Swee Keong Yeap. *PLoS One*. Vol. 10 Issue 6, p1-25. 25p. (2015)
52. Phytochemicals from *Mangifera pajang* Kosterm and their biological activities. Sadikah Ahmad, MohdAspollahSukari, Nurussadah Ismail, **IntanSafinar Ismail**, Ahmad Bustamam Abdul, MohdFadzelly Abu Bakar and NurolainiKifli. *BMC Complementary and Alternative Medicine* – doi:10.1186/s12906-015-0594-7 (2015)
53. Elucidation of anti-inflammatory bioactive compounds isolated from *Jatropha curcas* L. plant. Ahmad Razi Othman, Norhani Abdullah, Syahida Ahmad, **Intan Safinar Ismail**, Mohamad Zakaria. *BMC Complementary and Alternative Medicine* 15(1):11. (2015)
54. Chemical profile and antiacetylcholinesterase, antityrosinase, antioxidant and alpha-glucosidase inhibitory activity of *Cynometra cauliflora* L. leave. Ado, Muhammad; Abas, Faridah; **Ismail, Intan Safinar**; M. Ghazali, Hasanah; Shaari, Khozirah. *Journal of the Science of Food and Agriculture*- 95 (3), 635-642(2015)
55. Metabolite profiling of *Ipomoea aquatica* at different growth stages in correlation to the antioxidant and -glucosidase inhibitory activities elucidated by ¹H NMR-based metabolomics. Umar Lawal, Ahmed Mediani, Maulidiani H., Khozirah Shaari, **Intan Safinar Ismail**, Alfi Khatib, Faridah Abas. *Scientia Horticulturae*. 192, 400–408 (2015)
56. In silico analysis of selected honey constituents as human neutrophil elastase (HNE) and matrix metalloproteinases (MMP 2 and 9) inhibitors, Radhakrishnan Narayanaswamy, Lam Kok Wai and **Intan Safinar Ismail***. *International Journal of Food Properties*. (2015) DOI:10.1080/10942912.2014.963870

57. Competing Role of Bioactive Constituents in *Moringa oleifera* Extract and Conventional Nutrition Feed on the Performance of Cobb 500 Broilers. Govindarajan Karthivashan, Palanisamy Arulselvan, Abdul Razak Alimon, **Intan Safinar Ismail** and Sharida Fakurazi. *BioMed Research International*- Volume 2015 (2015), Article ID 970398, 13 pages. <http://dx.doi.org/10.1155/2015/970398>
58. Cosmetic potential of Southeast Asian herbs- An Overview. Radhakrishnan Narayanaswamy and **Intan Safinar Ismail***. *Phytochemistry Reviews*- DOI 10.1007/s11101-015-9396-2 (2015)
59. Analysis of pesticide residues in tea using accelerated solvent extraction with in-cell cleanup and gas chromatography tandem mass spectrometry. Haslina Abdul Kadir, Faridah Abas, Osman Zakaria, **Intan Safinar Ismail**, Nordin H. Lajis. *Anal. Methods*, DOI: 10.1039/C4AY03053B (2015)
60. Differentiation of *Nigella sativa* seeds from four different origins and their bioactivity correlations based on NMR-metabolomics approach. M. Maulidiani, Bassem Y. Sheikh, Ahmed Mediani, Leong Sze Wei, **Intan Safinar Ismail**, Faridah Abas, Nordin H. Lajis. *Phytochemistry Letters*. 13 (2015) 308–318
61. Molecular docking analysis of Curcumin analogues as Human neutrophil elastase (HNE) inhibitors. Radhakrishnan Narayanaswamy*, Lam KokWai, FaridahAbas and **Intan Safinar Ismail**. *Bangladesh Journal of Pharmacology*, 9: 77-82 (2014)
62. Effect of neem leaf-empty fruit bunch vermicompost on the adult emergence of Tephritid fruit fly, *Bactrocera dorsalis*. *International journal of Agriculture and Biology*, 289: 201 (2014)
63. IR- Metabolomics Approach in Detecting Changes of *Andrographis paniculata* Metabolites due to Different Harvesting Ages and Times. NurA'thifahYusof, AzizulIsha, **Intan Safinar Ismail***, AlfiKhatib, KhozirahShaari, FaridahAbas, Yaya Rukayadi. *Journal of the Science of Food and Agriculture* –(2014) DOI: 10.1002/jsfa.6987
64. Optimization of Enzymatic Synthesis of 3-O-β-D-Glucopyranoside Betulinic Acid by Novozyme-435. Hamisu Abdu, Faujan BH Ahmad, M Basri, **IntanSafinar Ismail**, MB Rahman. *Asian Journal of Research In Chemistry*, 7(7) 640-643 (2014)
65. Effect of *Cosmos caudatus* Kunth Leaves On The Lipid Profile Of A Hyperlipidemia-Induced Animal Model. VikneswariPerumal, Azizah Abdul Hamid, Amin Ismail, KhozirahSaari, FaridahAbas, **Intan S Ismail**, H Maulidiani and Nordin H Lajis. *Journal of Food Chemistry and Nutrition*, 02 (01) 43-5(2014)
66. GC-MS-based metabolite profiling of *Cosmos caudatus* leaves possessing alpha-glucosidase inhibitory activity. Javadi, Neda; Abas, Faridah; Abd Hamid, Azizah; Simoh, Sanimah; Shaari, Khozirah; **Ismail, IntanSafinar**; Mediani, Ahmed; Khatib, Alfi. *Journal of Food Science*; 79(6): C1130-1136 (2014)
67. Chrotacumines G–J, chromone alkaloids from *Dysoxylum acutangulum* with osteoclast differentiation inhibitory activity. Hiroshi Morita, AlfariusEkoNugroho, YutaNagakura, Yusuke Hirasawa, Haruka Yoshida, Toshio Kaneda, Osamu Shiota, **IntanSafinar Ismail**.*Bioorganic & Medicinal Chemistry Letters*, 24 (11): 2437-2439 (2014)
68. Synthesis and docking studies of 2,4,6-trihydroxy-3-geranylacetophenone analogues as potential lipoxygenase inhibitor. Chean Hui Ng, Kamal Rullah, MohdFadhilzilFasihiMohdAluwi , Faridah Abas, KokWai Lam, **IntanSafinar**

Ismail, Radhakrishnan Narayanaswamy, Fadzureena Jamaludin, Khozirah Shaari. *Molecules*, 19(8):11645-11659 (2014)

69. Photoprotective and Anti-ageing Properties of *Zanthoxylum rhetsa* – An In vitro Analysis. Rameshkumar Santhanam, Syahida Ahmad, Faridah Abas, **Intan Safinar Ismail***, Yaya Rukayadi and Khozirah Shaari. *Journal of Chemical and Pharmaceutical Research*, 5(12):1512-1520 (2013)
70. Larvicidal Carbazole Alkaloids from *Murraya koenigii* Against Dengue Fever Mosquito *Aedes aegypti* Linnaeus. MA Sukari, HS Noor, NH Abu Bakar, GCL Ee, **IS Ismail**. *Asian Journal of Chemistry*, 25(14), pp 7719-7721 (2013)
71. Versatile cosmetic Ingredient-An Overview. Radhakrishnan Narayanaswamy*, Byung-Wook Jo, Soo-Kyung Choi and **Intan Safinar Ismail**. *Fucoidan: Journal of Applied Cosmetology*, 31, 133-140 (2013)
72. Characterization of *Bactrocera dorsalis* (fruit fly) Emergence Inhibitor from Neem Leaf-Empty Fruit Bunch-Based Vermicompost using Metabolomics Approach. Loh Khye Er, Nor Azwady Abd. Aziz, **Intan Safinar Ismail**, Alvin Hee Kah Wei, Muskhazli Mustafa and Kok Ho Yin. *Acta Biologica Malaysiana* 2(2): 54-63 (2013)
73. Molecular docking analysis of natural compounds as Human neutrophil elastase (HNE) inhibitors. Radhakrishnan Narayanaswamy, Lam Kok Wai and **Intan Safinar Ismail***. *Journal of Chemical and Pharmaceutical Research*, 5(10):337-341 (2013)
74. *Dillenia suffruticosa* exhibited antioxidant and cytotoxic activity through induction of apoptosis and G2/M cell cycle arrest. Nurdin Armania, Latifah Saiful Yazan, Siti Noorhidayah Musa, **Intan Safinar Ismail**, Jhi Biau Foo, Chan Kim Wei, Husain Noreen, Abdul Hamid Hisyam, Said Zulfahmi, Maznah Ismail. *Journal of Ethnopharmacology* 146: 525-535 (2013)
75. Antifungal activity of *Cosmos caudatus* Kunth extracts against seven economically important plant pathogens. Nazihah Mohd Salehan, Sariah Meon, **Intan Safinar Ismail**. *International Journal of Agriculture and Biology* 15(5): 864-870 (2013)
76. *Dillenia suffruticosa* extract inhibit proliferation of human breast cancer cell lines (MCF-7 and MDA-MB-231) via induction of G2/M arrest and apoptosis. Nurdin Armania, Latifah Saiful Yazan, **Intan Safinar Ismail**, Foo Jhi Biau, Tor Yin Sim, Ishak Nursyafini, Norsharina Ismail, Maznah Ismail. *Molecules* 18, 13320-13339; doi:10.3390/molecules181113320 (2013)
77. Terpenes of *Walsura chrysogyne*, Meliaceae. Ilya Iryani Mahmod, Emilia Abdul Malek, Hiroshi Morita, Charles Santhanaraju and **Intan Safinar Ismail***. *Letters in Organic Chemistry* 10(8): 584-589 (2013)
78. Optimization of extraction method and qualitative FT-NMR analysis of *Andrographis paniculata* leaves. Azizul Isha, Mohamad Allif Suyut, Nur Athifah Yusof, Siti Nurulhuda Mastuki & **Intan Safinar Ismail***. *International Journal of Food Science & Technology*. 3(4):1-10 (2013)
79. Synthesis of Nitrogen-Substituted Pyran-2-ones via Radical Cyclisation Approach. Siti Mariam Mohd Nor, Nawwar Fathiah Mohd Fauzi and **Intan Safinar Ismail**. *International Journal of Education and Research*. 1(6): 1-8 (2013)
80. Chrotacumines E and F, Two New Chromone Alkaloid Analogues from *Dysoxylum acutangulum* (Meliaceae) Leaves. M. Izwan M. Lazim, **Intan S. Ismail***, Khozirah Shaari, Jalifah A. Latip, Nabil Ali-Naji and Hiroshi Morita. *Chemistry and Biodiversity* 10: 1589-1596 (2013)

81. Quantitative HPLC Analysis of Benzene Derivatives of *Melicopeptelefolia* Leaves. SeemaZareen, **IntanSafinar Ismail***, KhozirahShaari, KhairulNazriYusof and Muhammad Nadeem Akhtar. *International Journal of Food Properties* 16:1830–1838 (2013)
82. Phase Behaviour of Ternary System: Soybean Oil/Non-ionic Surfactants/Deionized Water. NurNadiyah Abdul Rashid, Faujan B.H. Faujan, SitiSalwa Abdul Gani, and **IntanSafinar Ismail***. *Asian Journal of Chemistry* 25(9): 4929-4931(2013)
83. Steroids from *Dysoxylumgrande* (Meliaceae). Low KokWah, FaridahAbas, Geoffrey A. Cordell, and **IntanSafinar Ismail***. *Steroids* 78: 210–219(2013).
84. Vasorelaxant Activity of Indole Alkaloids from *Tabernaemontanadichotoma*. KazumasaZaima, Ikumi Koga, NobuhideIwasawa, Takahiro Hosoya, Yusuke Hirasawa, Toshio Kaneda, **IntanSafinar Ismail**, NordinHjLajis and Hiroshi Morita. *Journal of Natural Medicines* 67: 9-16 (2013).
85. Novel sesquiterpene and copyrine alkaloids from *Anaxagorea javanica* Blume. Khairana Husain, Nordin H. Lajis, KhozirahShaari, **IntanSafinar Ismail**, Daud A. Israf, Christian Paetz. *Phytochemistry Letters* 5: 788-792 (2012)
86. Spectroscopic Data of 3-*O*- β -D-Glucopyranoside-betulinic Acid: An Anti-cancer agent. Hamisu Abdu, Faujan H Ahmad, M. Basri, **IntanSafinar Ismail** and M. B. Abdul Rahman. *International Journal of Chemistry* 4(5) 28-34(2012)
87. Potential of neem leaf-empty fruit bunch-based vermicompost as biofertiliser-cum-biopesticide: I – Chemical properties, humic acid content and enzymes (protease and phosphatase) activity in vermicompost. Loh, KhyeEr; Abd Aziz, Nor Azwady; Kok, Ho Yin; Mustafa, Muskhazli; **Ismail, IntanSafinar**; MohdZainudin, NurAinIzzati. *Scientific Research and Essays* 7(42) 3657–3664 (2012)
88. Two New Phloroglucinol Derivatives and Five Photosensitizing Pheophorbides from *Syzygium polyanthum* (Salam) Leaves. Lee Wei Har, **IntanSafinar Ismail***, KhozirahShaari, Lee Hong Boon, Hideyuki Ito and Fadzly A. Kamaruzaman. *Natural Products Communication*, 7(8) 1033-1036(2012)
89. Antioxidant activity, total phenolics and total flavonoids of *Syzygium polyanthum* leaves. Lee Wei Har and **IntanSafinar Ismail***. *International Journal of Medicinal and Aromatic Plants*, 2(2) 219-228 (2012).
90. Biodiversity and Adaptability of *Holothurialeucospilota* and *Stichopus japonicus* Sea Cucumber Species in Artificial Environment. Abdoulie Ceesay, Mariana NorShamsudin, Norfarrah Mohammed Alipiah and **IntanSafinar Ismail**. *Journal of Aquaculture Research and Development*, doi:10.4172/2155-9546.1000123, (2012).
91. Betulinic Acid Glycosides: A Review. Hamisu Abdu, Faujan H Ahmad and **IntanSafinar Ismail**. *Oriental Journal of Chemistry* 28 (3): 1123-1133 (2012).
92. Antimalarial Activity of Selected Malaysian Medicinal Plants. Rusliza Basir, Kit Lam Chan, MunFei Yam, Fauziah Othman, Wan Omar Abdullah, Mohamad Aris Mohd Moklas, Aisyah Saad Abdul Rahim, **IntanSafinar Ismail**, Mohamad Taufik Hidayat, Che Norma Mat Taib and Roziahanim Mahmud. *Phytopharmacology*, 3(1) 82-92, (2012).
93. Bioassay-guided Identification of an Anti-inflammatory Prenylated Acylphloroglucinol from *Melicopeptelefolia* and Molecular Insights into its Interaction with 5-lipoxygenase. KhozirahShaari, Velan Suppaiah, Lam KokWai, Johnson Stanslas, Bimo Ario Tejo, Daud Ahmad Israf, FaridahAbas, **IntanSafinar Ismail**, Nor Hasifi Shuaib, SeemaZareen and NordinHj. Lajis.

Bioorganic and Medicinal Chemistry, 19 (21): 6340-6347 (2011).

94. 20S,24S-epoxy-25-hydroxy-A-homo-4-oxadammaran-3-one(Chrysura) from the Leaves of *Walsurachrysogyne*. IlyaIryaniMahmod, Huey Chong Kwong, Mohamed Ibrahim Mohamed Tahir and **IntanSafinar Ismail***. *ActaCryst.* E67, o3296 (2011).
95. New Vasorelaxant Indole Alkaloids, Villocarines A–D from *Uncariavillosa*. Hirotaka Matsuo, Ryuichi Okamoto, KazumasaZaima, Yusuke Hirasawa, **IntanSafinarIsmail**, NordinHjLajis, Hiroshi Morita. *Bioorganic & Medicinal Chemistry*, 19, 4075–4079 (2011).
96. Ichthyotoxic Properties and Essential Oils of *Syzygium malaccense* (Myrtaceae). **Intan S. Ismail***, NorAkmar Ismail, and NordinLajis. *Pertanika J. Sci & Technol.*, 18, 1-6 (2010).
97. Acutaxylines A and B, Two Novel Triterpenes from *Dysoxylum acutangulum*. **Intan Safinar Ismail**, Yuta Nagakura, Yusuke Hirasawa, Takahiro Hosoya, Mohd Izwan Mohd Lazim, Nordin Hj Lajis, and Hiroshi Morita. *Tetrahedron Letters*, 50, 4830-4832 (2009).
98. Chrotacumines A–D, Chromone Alkaloids from *Dysoxylum acutangulum*. **IntanSafinarIsmail**, YutaNagakura, Yusuke Hirasawa, Takahiro Hosoya, Mohd Izwan Mohd Lazim, Nordin Hj Lajis, MotooShiro, and Hiroshi Morita. *J. Nat Pro.*, 72, 1879-83 (2009).
99. Bidesmosidic Oleanane Saponins from *Xerospermumnoronhianum*. Tan Pei Jean, KhozirahShaari, Christian Paetz, **IntanSafinarIsmail**, FaridahAbas, Nordin H. Lajis and Viqar Uddin Ahmad. *Helvetica ChimicaActa*, 92, 1973-1982 (2009).
100. Flavonoid Glycosides and Benzoic Acid Derivatives from *Xerospermumnoronhianum*. Tan Pei Jean, **IntanSafinar Ismail**, FaridahAbas, NordinHj.Lajis and KhozirahShaari. *ACGC Chem. Res. Comm.*, 22, 61-64 (2008).
101. An Ichthyotoxic Procyanidin Oligomer and Four New Hydroxy Acid Conjugates from the Leaves of *Sandoricumkoetjape*. **Intan S. Ismail***, Hideyuki Ito and Takashi Yoshida. *ACGC Chem. Res. Comm.*, 21, 17-23 (2007).
102. Procyanidin Oligomer, an Ichthyotoxic Condensed Tannin. **Intan S. Ismail*** Hideyuki Ito and Takashi Yoshida. *The Bioscientist, R&D Bulletin, Institute of Bioscience, UPM*, 5, 2-4 (2007).
103. Constituents of *Cleome arabica* Leaves and Twigs. **Intan S. Ismail**, Hideyuki Ito, Laid Selloum, Takashi Yoshida. *Natural Medicines*, 59, 53 (2005).
104. Two New Analogues of Trijugin-type Limonoids from the Leaves of *Sandoricumkoetjape*. **Intan S. Ismail**, Hideyuki Ito, Tsutomu Hatano, Shoko Taniguchi, Takashi Yoshida. *Chem. Pharm. Bull.*, 52, 1145-1147 (2004).
105. Modified Limonoids from the Leaves of *Sandoricumkoetjape*. **Intan S. Ismail**, Hideyuki Ito, Tsutomu Hatano, Shoko Taniguchi, Takashi Yoshida. *Phytochemistry*, 64, 1345-1349 (2003).
106. Ichthyotoxic and Anticarcinogenic Effects of Triterpenoids from *Sandoricumkoetjape* Bark. **IntanSafinar Ismail**, Hideyuki Ito, TeruoMukainaka, Hiroshi Higashihara, Fumio Enjo, HarukuniTokuda, Hoyoku Nishino, and Takashi Yoshida. *Biol. Pharm. Bull.*, 26, 1351-1353 (2003).
107. Isolation of the Cytotoxic Constituent Deoxypodophyllotoxin from the leaves of *Juniperuschinensis*. Kazuyoshi Kawazu, **Intan S. Ismail**, KyoyaTakahata, Abdul Manaf Ali, and Hiroshi Kanzaki. *Scientific Reports of the Faculty of Agriculture Okayama University*, 86, 1-5 (1997).

	<p>108. Anti-tumour Promoting and Anti-tumour Activities of the Crude Extract from the Leaves of <i>Juniperus chinensis</i>, A. M. Ali, M.M. Mackeen, I. Intan Safinar, M. Hamid, N. H. Lajis, S. H. El-Sharkawy, and M. Murakoshi. <i>Journal of Ethnopharmacology</i>, 53, 165-169 (1996).</p>
Book or chapter in book	<p>1. Pharmacognosy: Fundamentals, Applications and Strategies. Editor(s): Simone Badal McCreath and Rupika Delgoda, ISBN: 978-0-12-802104-0</p>
Proceedings or abstracts	<p>1. Oral presentation: Nephroprotective effect of <i>Clinacanthus nutans</i> against cisplatin-induced human kidney cell (PCS-400-010). Ilya Iryani Mahmud, Intan Safinar Ismail*, Noorjahan Banu Alitheen, Normi Yahaya. International Conference on Natural Products 2017, Swiss Hotel, Lumut, Perak 16-27 March 2017</p> <p>2. Poster presentation: Nephrotoxic effect of Aristolochic Acid (AA) and Cisplatin in zebrafish larvae. Sarah Ain Mohd and Intan Safinar Ismail*. International Conference on Natural Products 2017, Swiss Hotel, Lumut, Perak 16-27 March 2017</p> <p>3. Poster presentation: BEHAVIORAL PATTERN-BASED PROFILING OF <i>CLINACANTHUS NUTANS</i> EXTRACT POSSESSING ANTINEUROINFLAMMATORY ACTIVITY IN LPS-INDUCED RATS. Amalina Ahmad Azam, Intan Safinar Ismail*, Mohd Farooq Shaikh, Faridah Abas, Khozirah Shaari. International Conference on Natural Products 2017, Swiss Hotel, Lumut, Perak 16-27 March 2017</p> <p>4. Oral presentation: Contrasting effects of <i>Orthosiphon stamineus</i> leaf extracts in cisplatin induced nephrotoxicity identified by ¹H NMR spectroscopy. 2017 Raghunath Pariyani, Amalina Azam, Faridah Abas, Khozirah Shaari, Intan Safinar Ismail*. The Asia-Pacific Conference on Life Sciences and Biological Engineering. Nagoya, Japan. 27-31 March 2017.</p> <p>5. STABILITY STUDY OF ALGERIAN <i>Nigella sativa</i> IN DIFFERENT STORAGE CONDITIONS RELATED TO ANTIMICROBIAL ACTIVITY. Muhammad Safwan Ahamad Bustamam, Intan Safinar Ismail, Kamarul Arifin Hadithon, Ahmed Mediani, Faridah Abas, Yaya Rukayadi and Nordin Lajis. 1st International DOST – SEI ASTHRDP – NSC Scholar’s Conference. Manila, Philippines. 6-8th April 2016.</p> <p>6. Correlation between Targeted Metabolites Composition and Anti-<i>Candida albicans</i> Activities of <i>Piper betle</i> L. leaves fractions – GCMS based metabolomics approach. Siti Nurulhuda Mastuki, Intan Safinar Ismail*, Yaya Rukayadi. International Conference on Natural Products 2016. Permai Hotel, Kuala Terengganu, Malaysia, 14-17 Mac 2016.</p> <p>7. Metabolomics in Natural Products Research – a Multi-Platform Tool Towards Understanding the Bigger Picture. Khozirah Shaari, Faridah Abas, Intan Safinar Ismail, Nordin Hj. Lajis. International Conference on Natural Products 2016. Permai Hotel, Kuala Terengganu, Malaysia, 14-17 Mac 2016.</p> <p>8. Nephroprotective of <i>Clinacanthus nutans</i> against Cisplatin-Induced Rat Kidney Cell (NRK-52E). Ilya Iryani Mahmud, Intan Safinar Ismail, Noorjahan Banu Alitheen, Normi Yahaya. International Conference on Natural Products 2016. Permai Hotel, Kuala Terengganu, Malaysia, 14-17 Mac 2016.</p> <p>9. GC-MS Volatile Constituents of Algerian <i>Nigella sativa</i> of Different Storage Conditions in Relation to Antimicrobial Activity. Muhammad Safwan Ahamad Bustaman, Intan Safinar Ismail, Faridah Abas, Yaya Rukayadi. International Conference on Natural Products 2016. Permai Hotel, Kuala Terengganu, Malaysia, 14-17 Mac 2016.</p>

10. Discrimination of Three Stingless Bee (Kelulut) Honey Bee Types by 1H NMR-Metabolomics Approach. Muhammad Taufiq Atsifa Razali, Intan Safinar Ismail, Khozirah Shaari, Eshaifol Azam Omar, Mohd Zainuri Mohd Idrus. International Conference on Natural Products 2016. Permai Hotel, Kuala Terengganu, Malaysia, 14-17 Mac 2016.
11. Application of metabolomics in exploring the therapeutic potential of a plant crude extract - A case study on *Orthosiphon stamineus*. Raghunath Pariyani, Amalina Ahmad Azam, Intan Safinar Ismail. Indian Traditional Medicine – A Conglomeration of Ancient Knowledge and Modern Science. Tamil Nadu, India. 21 – 22 July 2016
12. ORAL ABSTRACT: IR- AND NMR- METABOLOMICS APPROACH IN DETECTING THE CHANGES OF *ANDROGRAPHIS PANICULATA* METABOLITES DUE TO DIFFERENT HARVESTING AGES AND TIMES. IntanSafinar Ismail*, AzizulIsha, NurA'thifahYusof. International Conference on Natural Products 2015, Double Tree, Hilton Johor Bahru, 24-25 March 2015
13. ORAL ABSTRACT: CHEMICAL PROFILE AND BIOLOGICAL EVALUATION OF *CALLICARPA MAINGAYI* LEAVES. Muhammad Abubakar Ado, Faridah Abas *, IntanSafinar Ismail, Hasanah M. Ghazali, KhozirahShaari. International Conference on Natural Products 2015, Double Tree, Hilton Johor Bahru, 24-25 March 2015
14. ORAL ABSTRACT: PHYTOCHEMICAL AND BIOLOGICAL FEATURES OF *PHYLLANTHUS NIRVRI* AND *PHYLLANTHUS URINARIA* HARVESTED AT DIFFERENT GROWTH AGES REVEALED BY 'H-NMR BASED METABOLOMICS ANALYSIS. Ahmed Mediani', Faridah Abas*, AlfiKhatib, Tan Chin Ping, IntanSafinar Ismail, KhozirahShaari, Amin Ismail, N.H. Lajis. International Conference on Natural Products 2015, Double Tree, Hilton Johor Bahru, 24-25 March 2015
15. CHEMICAL COMPOSITION AND *IN VITRO* ANTIDIABETIC ACTIVITY OF *HORNSTEDTIA SCYPHIFERA* (J.KOENIG) STEUD. ESSENTIAL OILS. SitiErnieyantiHashim, HasnahMohdSirat*, IntanSafinar Ismail, SitiNurulhudaMastuki. International Conference on Natural Products 2015, Double Tree, Hilton Johor Bahru, 24-25 March 2015
16. ISOLATION AND STRUCTURE ELUCIDATION OF PHYTOCHEMICAL CONSTITUENTS OF LYCOPODIACEAE SPECIES. HazwaniMohd Rani*, KhozirahShaari, IntanSafinar Ismail. International Conference on Natural Products 2015, Double Tree, Hilton Johor Bahru, 24-25 March 2015
17. ISOLATION, FRACTIONATION, AND CHARACTERIZATION OF OLIGOSACCHARIDES EXTRACTED FROM PALM KERNEL CAKE (PKC) USING INFRARED SPECTROSCOPY (IR). Naveena Reddy Kalidas, KhozirahShaari*, IntanSafinar Ismail, Faridah Abas. International Conference on Natural Products 2015, Double Tree, Hilton Johor Bahru, 24-25 March 2015
18. EFFECT OF DIFFERENT SOLVENTS EXTRACTION ON ANTIOXIDANT AND ALPHA GLUCOSIDASE INHIBITORY ACTIVITY OF *IPOMOEA AQUATICA* CULTIVARS. Umar Lawal, KhozirahShaari, IntanSafinar Ismail, AlfiKhatib, Faridah Abas*. International Conference on Natural Products 2015, Double Tree, Hilton Johor Bahru, 24-25 March 2015
19. SYNTHESIS AND BIOLOGICAL EVALUATION OF DIARYLPENTANOIDPYRAZOLINE ANALOGIES AS NEW CHOLINESTERASE INHIBITORS. SitiMunirahMohdFaudzi , Leong Sze Wei, Faridah Abas*, khozirahShaari, IntanSafinar Ismail, Syahida Ahmad, KokWai Lam, NordinHjLajis. International Conference on Natural Products 2015, Double Tree, Hilton Johor Bahru, 24-25 March 2015

20. SYNTHESIS AND DOCKING STUDIES OF 2,4,6-TRIHYDROXY-3-GERANYLACETOPHENONE ANALOGS AS POTENTIAL LIPOXYGENASE INHIBITOR. Ng. Chean Hui, KhozirahShaari*, Kamal Rullah, MohdFadhilzilFasihiMohdAluwi, Faridah Abas, Lam KokWai, IntanSafinar Ismail, RadhakrishnanNarayanaswamy, FadzureenaJamaludin. International Conference on Natural Products 2015, Double Tree, Hilton Johor Bahru, 24-25 March 2015
21. METABOLOMIC ANALYSIS AND BIOLOGICAL ACTIVITIES OF DIFFERENT VARIETIES *PHOENIX DACTYLIFERA*. Faridah Abas*, NurAshikin Abdul Hamid, IntanSafinar Ismail, KhozirahShaari, NordinHj. Lajis. International Conference on Natural Products 2015, Double Tree, Hilton Johor Bahru, 24-25 March 2015
22. ¹H NMR based metabolomics approach in identifying urinary biomarkers associated with cisplatin nephrotoxicity in rats. RaghunathPariyani and Intan Safinar Ismail. 3rd International post graduate conference on pharmaceutical sciences, 2014- 11 & 12th August, UiTMPuncakAlam
23. IR-METABOLOMICS APPROACH IN DETECTING THE POSSIBLE CHANGES OF *Andrographispaniculata* LEAVES METABOLITES DUE TO DIFFERENT HARVESTING AGES AND TIMES. NurA'thifahYusof, AzizulIsha, **IntanSafinar Ismail**, AlfiKhatib. International Conference on Natural Products 2013 (ICNP 2013), Shah Alam Convention Centre (SACC), Shah Alam, Selangor 4-6 March 2013
24. OPTIMIZATION STUDY ON EXTRACTION METHOD AND QUALITATIVES FT-NMR ANALYSIS OF *Andrographispaniculata* LEAVES. AzizulIsha, Mohamad AllifSuyut, NurA'thifahYusof, **IntanSafinar Ismail**. International Conference on Natural Products 2013 (ICNP 2013), Shah Alam Convention Centre (SACC), Shah Alam, Selangor, 4-6 March 2013
25. IR-METABOLOMICS APRROACH IN DISCRIMINATING THREE *Andrographispaniculata* ASSESSIONS DUE TO DIFFERENT HARVESTING AGES AND TIMES. NurA'thifahYusof, AzizulIsha, **IntanSafinar Ismail***, AlfiKhatib, KhozirahShaari and FaridahAbas (Oral presentation). The 26th Symposium of Malaysia Analytical Sciences (SKAM 26) Hilton Kuching, Kuching, Sarawak, 4-5 December 2013
26. STABILITY ON STORAGE CONDITIONS OF ALGERIAN *Nigella sativa*. Muhammad SafwanAhmadBustamam, **IntanSafinar Ismail***, KamarulArifinHadithon, FaridahAbas and YayaRukayadi. The 26th Symposium of Malaysia Analytical Sciences (SKAM 26) Hilton Kuching, Kuching, Sarawak, 4-5 December 2013
27. METABOLOMICS APPROACH IN IDENTIFYING ANTICHOLESTEROLEMIC AGENTS OF *Menthapiperita* (PEPPERMINT) IN RATS. Nor ZainiJohari, **IntanSafinar Ismail*** and M. RoslanSulaiman. The 26th Symposium of Malaysia Analytical Sciences (SKAM 26) Hilton Kuching, Kuching, Sarawak, 4-5 December 2013
28. Constituents of selected Meliaceae species, **Ismail IntanSafinar**, IlyaIryaniMahmod, Low KokWah and MohdIzwanMohdLazim, International Conference on Biologically Active Substances-Bioactive Okayama, Japan, 13-14th September 2012.
29. Eight new triterpenoids isolated from *Dysoxylum Grande* (Meliaceae) by Various Chromatographic Techniques, **Ismail IntanSafinar**, Low KokWah, 8th International Symposium on Chromatography of Natural Products, Lublin, Poland, 19 - 20 Mei 2012.
30. Enhancement of phosphatase activity and phosphorus availability in neem leaves-

empty fruit bunch-based vermicompost, LohKhyeEr, Nor AzwadyAbd Aziz, KokHo Yin, Muskhazli Mustafa, Alvin HeeKah Wei, IntanSafinarIsmail and Nur Ain IzzatiMohdZainudin. MALAYSIA INTERNATIONAL BIOLOGICAL SYMPOSIUM 2012, Residence Hotel at Uniten, Malaysia.11-12 July 2012.

31. Tapping on Meliaceae Plants, Intan Safinar Ismail, International Conference on Natural Products 2011, IOI Palm Garden Resort, Putrajaya, Malaysia, 14-16th November 2011.
32. Photosensitizing Agents from *Syzygium polyanthum*(Salam)Leaves, Intan S. Ismail, Lee Wei Har,KhozirahShaari, Lee Hong BoonandFadzly A. Kamarulzaman, 10th University Malaysia Terengganu Annual International Symposium, Kuala Terengganu, Malaysia, 13- 15th July 2011.
33. Anti-acetylcholinesterase Properties of *Dysoxylumacutangulum*, MohdIzwanMohdLazim, IntanSafinar Ismail and KhozirahShaari, International Conference of Natural Products, Penang, Malaysia, December 2010.
34. Anticholinesterase and Ichthyotoxicity of *Walsurachrysogyne* Leaves, IntanSafinar Ismail, IlyalryaniMahmod, and Emilia AbdMalek, Natural Products Chemistry of the 11th Eurasia Conference on Chemical Sciences (Dead Sea, Jordan), 6-10 October 2010.
35. New Compounds of *Dysoxylum acutangulum*, Meliaceae, Intan Safinar Ismail,Mohd Izwan Mohd Lazim,Hiroshi Morita, YutaNagakura, Yusuke Hirasawa, and Takahiro Hosoya, 10th PRPI, Universiti Putra Malaysia, (UPM, Serdang) 20-22nd July 2010- **Gold Medal**.
36. Anti-cholinesterase and Ichthyotoxicity of *Walsurachrysogyne*, IlyalryaniMahmod and Intan Safinar Ismail. 16th Malaysian Science Congress (Putra World Trade Center, Kuala Lumpur)12-14 October 2010.
37. Anti-cholinesterase and Ichthyotoxicity of *Walsurachrysogyne*, IlyalryaniMahmod and Intan Safinar Ismail. Fundamental Science Congress, Faculty of Science, UPM (KompleksMahasiswa, UPM) 18-19 May 2010.
38. *Dysoxylum acutangulum* (Meliaceae): Constituents and Bioactivities, MohdIzwanMohdLazim, IntanSafinar Ismail, KhozirahShaari, and Hiroshi Morita. Fundamental Science Congress, Faculty of Science, UPM (KompleksMahasiswa, UPM),18-19 May 2010.
39. Photodynamic Therapy and Ichthyotoxicity Properties of *Syzygiumpolyanthum*.Lee Wei Har, IntanSafinar Ismail, KhozirahShaari, Lee Hong Boon, FadzlyAdzharKamarulzaman. 1st UK-Malaysia Symposium on Drug Discovery and Development for Cancer(Subang, Selangor) 24 and 25th February 2010 – **First Prize Winner** (Poster)
40. Saponins from *Xerospermumnoronhianum*, Tan Pei Jean, KhozirahShaari, Christian Paetz, IntanSafinar Ismail, FaridahAbas, Nordin H. Lajis and Viqar Uddin Ahmad. 2nd Joint Symposium on Future Prospect of Pharmaceutical Sciences(Tokyo, Japan)29-31st October, 2009.
41. センダン科 *Dysoxylum acutangulum* に含有される新規クロモンアルカロイドの構造研究星薬大) ○杉浦莉央, 長倉悠(太, 細谷孝博, 平澤祐介, 森田博史, (UPM大) IntanSafinar Ismail, Nordin Hj Lajis, (リガク) 城始勇), Japanese Pharmacognosy Socociety Conference (Kyoto, Japan), October 2009.
42. Two Novel Triterpenes, Acutaxylines A and B, from *Dysoxylum acutangulum*, Ismail Intan S.,Nagakura, Yuta, Hirasawa Yusuke, HosoyaTakahiro,Mohd Lazim M. I., Lajis Nordin and Morita Hiroshi. 13th Asian Chemical Congress, (Shanghai, China)13-16th September, 2009.

<p>43. <i>Chrotacumines A-D, New Chromone Alkaloids from Dysoxylumacutangulum</i>, <u>Intan Safinar Ismail</u>, Yuta Nagakura, Yusuke Hirasawa, Takahiro Hosoya, Mohd Izwan Mohd Lazim, Nordin Hj Lajis, and Hiroshi Morita. 42nd IUPAC Congress: Chemistry Solutions, (Glasgow, UK) 2-7th Aug. 2009.</p> <p>44. Photodynamic Therapy Properties of <i>Syzygium polyanthum</i>, Lee Wei Har, <u>Intan S. Ismail</u>, Khozirah Shaari, Lee Hong Boon, and Fadzly Azhar Kamaruzaman. Fundamental Science Congress, (Universiti Putra Malaysia) 18-19th June, 2009.</p> <p>45. <i>Syzygium polyanthum</i> (Myrtaceae) – a Potential Source of Photo-sensitizers. <u>Intan S. Ismail</u>, Lee Hong Boon, Norakmar Ismail, Norshahida Mohd Shofian and Fadzly Azhar Kamaruzaman. PRPI, 2007 (UPM).</p> <p>46. Ichthyotoxic and anticarcinogenic effects of triterpenoids, and five new limonoids from <i>Sandoricum koetjape</i> (Meliaceae). <u>Intan S. Ismail</u>, Ito H, Mukainaka T, Higashihara H, Enjo F, Tokuda H, Nishino H, Yoshida T. 12th Asian Chemical Congress, PWTC, Kuala Lumpur, Malaysia.</p> <p>47. Ichthyotoxic Constituents of <i>Sandoricum koetjape</i> (1) <u>Ismail Intan S.</u>, Ito Hideyuki, Tokuda Harukuni, Nishino Hoyoku, Yoshida Takashi. 122nd Annual Japanese Pharmaceutical Sciences Conference, March (Chiba, Tokyo) 2002.</p> <p>48. Hydroxy Acid Derivatives from the Leaves of <i>Sandoricum koetjape</i> (2). <u>Ismail Intan</u>, Ito Hideyuki, Yoshida Takashi. 41st Annual Chugoku Shikoku Conference (Yonago, Tottori) Nov., 2002.</p> <p>49. New Limonoids from the Leaves of <i>Sandoricum koetjape</i> (3). <u>Ismail Intan</u>, Ito Hideyuki, Hatano Tsutomu, Taniguchi Shoko, Yoshida Takashi. 123rd Annual Japanese Pharmaceutical Sciences Conference (Nagasaki, Kyushu) March, 2003.</p> <p>50. New Limonoids from the Leaves of <i>Sandoricum koetjape</i>-2 (4). <u>Ismail Intan</u>, Ito Hideyuki, Hatano Tsutomu, Taniguchi Shoko, Yoshida Takashi. 50th Annual Japanese Pharmacognosy Conference (Tokyo) Sept., 2003.</p> <p>51. Characterization of Ichthyotoxic and Anticarcinogenic Triterpenoids, and New Limonoids from <i>Sandoricum koetjape</i>. <u>Intan S. Ismail</u>, Hideyuki Ito, Tsutomu Hatano, Shoko Taniguchi, Teruo Mukainaka, Harukuni Tokuda, Hoyoku Nishino, and Takashi Yoshida. 3rd International Symposium on Natural Drugs, (Naples, Italy) October 2-4, 2003.</p> <p>52. Characterization of Proanthocyanidin as the Ichthyotoxic Principle of <i>Sandoricum koetjape</i>. Yoshida Takashi, <u>Ismail Intan</u> and Ito Hideyuki. The 4th Tannin Conference-Plant Polyphenols: Chemistry, Biology, Function, (Philadelphia, USA) Aug. 22-26, 2004.</p>
--

I. TRAINING AND WORKSHOP

- 1) 3rd Workshop on Metabolomics: Basics and Applications to Plant Sciences. Leiden University, The Netherlands, 12-16 April, 2009.
- 2) Workshop on Metabolomics 2010: Basics and Applications to Plant Sciences. UPM, Malaysia, 12 – 14 Oct. 2010.
- 3) Asian Regional Conference on Systems Biology (ARCSB) 2010; Pre Conference Workshop: Systems Biology & Software, UKM, Malaysia, 29th October, 2010.
- 4) Nutrition, Metabolomics & Bioinformatics, FSKB, UKM, Malaysia, 27th June to 7th July, 2011.
- 5) Plant Metabolomics Workshop 2011. LNPB, IBS, UPM, Malaysia, 26-27th July 2011.
- 6) Metabolomics Workshop 2012. LNPB, IBS, UPM, Malaysia, 26 June- 4 July 2012.
- 7) Workshop on Introduction to Metabolomics. LNPB, IBS, UPM, Malaysia, 26-27 May 2015
- 8) WORKSHOP ON SPECTROSCOPIC METHOD: NUCLEAR MAGNETIC RESONANCE (NMR) - SERIES II. 6-7th December 2016
- 9) Workshop on Metabolomics: Gas Chromatography Mass Spectroscopy. 22-24th Nov. 2016

J. RESEARCH PROJECT

Project No.	Project Title	Role	Year	Source of fund	Status
02-01-04-SF2131	Nephroprotective effect of <i>Mitrogyna speciosa</i> and <i>Clinacanthus nutans</i> on cisplatin-induced rat and human kidney cell lines and in vivo on zebrafish	Project leader	2015	MOSTI	On going RM 180,000 (Dec 2016)
07-02-14-1584FR	Elucidation on immuno-stimulant and anti-asthmatic effect of different types of Malaysian stingless bee honey via NMR-metabolomics approach	Project leader	2014	MOE-FRGS	On going RM 130,800 (Nov 2016)
NH1014D070	Elucidating the anti-neuroinflammatory effect of <i>Clinacanthus nutans</i> on lipopolysaccharide-induced neurotoxicity in BV2 cell and rat	Project leader	2015	MoA	On going RM 414,000 (Dec 2016)
GP-1/2014/9443600	Stability study on Algerian <i>Nigella sativa</i> in different storage conditions related to antimicrobial activity	Project leader	2015	UPM-Geran Putra	On going RM 116,000 (Mac2017)
	Development of Natural Products Library from Malaysian Biodiversity for Systematic Discovery of Potential Active Therapeutic Agents for Obesity	Collaborator	Jan 2015	iPharm, (NIBM), MOSTI	On going RM 50,000 (Dec2015)
	Metabolomics Approach in Identifying Anticholesterolemic Agents of <i>Mentha piperita</i> (Peppermint)	Project leader	2013	MOHE	Completed RM99,000 (May 2015)
ERGS/1/2012/STG01/UPM/02/5	NMR-and IR-Metabolomics Approach in Identifying Anti-Pathogen Markers of <i>Andrographis paniculata</i> (HempeduBumi)	Project leader	2012	MOHE	Completed (July 2014) RM81,000
	Correlation Between the Chemical Profile of <i>Orthosiphonstamineus</i> Leaf Extracts and Their Diuretic, Nephroprotective and Anti-Diabetic Activities using NMR- and FTIR-Based Metabolomics Approach	Project leader	2011	Ministry of Agriculture	Completed (Dec. 2014) RM551,900
01-07-10-919FR	Anti-cholinesterase and melanin promoter properties of <i>Dysoxylum acutangulum</i>	Project leader	2010	MOHE	Completed (July 2012) RM43,200
05-01-09-0732RU	Anti-cholinesterase and ichthyotoxicity of <i>Walsurachrysogyne</i>	Project leader	2009	RUGS	Completed (August 2011) RM129,000
01-01-07-133FR	Synthesis and bioactivity studies on the analogues of selected natural oleanan-type triterpenoids from	Project leader	2007	MOHE	Completed (Feb., 2009) RM73,000

	<i>Sandoricumkoetjape</i> (Burm. F.) Merr.				
02-01-04-SF0900	Characterization of bioactive constituents from several Myrtaceous plants based on ichthyotoxicity test.	Project leader	2007	MOSTI	Completed (May. 2009) RM256,504
	CHEMICAL CHARACTERIZATION, STANDARDIZATION AND BIOLOGICAL EVALUATION OF <i>MELICOPE PTELEFOLIA</i> (SETENGGEK BURUNG) AND <i>BACOPA MONNIERA</i> (BEREMI) TOWARDS THEIR DEVELOPMENT INTO NUTRACEUTICAL PRODUCTS FOR THE PREVENTION OF LIFE STYLE DISEASES	Co-worker	2007	IFNM	Completed (May. 2009) RM1.5 M
-	Ichthyotoxicity properties and characterization of anthocyanin from <i>Syzygiummalaccense</i> (jambubol).	Project leader	2005	Skim Penyelidikan Pensyarah Lantikan Baru	Completed (2006) RM10,000
06-01-04-SF0069	Isolation and identification of bioactive saponins from <i>Xenospermumnoronhianum</i> , a Malaysian Sapindaceae.	Co-worker	2007	MOSTI	Completed (Dec. 2009)

K. MEMBERSHIP

<i>Bil.</i>	<i>Society/Association</i>	<i>Dates</i>
1	Member- American Chemical Society (ACS)	7 July 2009 –2015
2	Member- Japanese Pharmaceuticals Society (JPS)	27 May 2008- 2013
3	Member- Asia Life Science Council	2009 – present
4	Associate Member- Institut Kimia Malaysia (IKM)	October 2010-present
5	Member – Phytochemical Society of Asia (PSA)	2013- present

L. POSTGRADUATE SUPERVISION

<i>Supervise</i>	<i>Completed</i>	<i>On-going</i>
Ph.D	2	3
MSc.	9	3
<i>Co-supervise</i>	<i>Completed</i>	<i>On-going</i>
Ph.D	3	15
MSc.	15	9

Referees:

Prof. Dr. Geoffrey Alan Cordell

Natural Product Inc.

Evanston, Chicago, USA

Email: pharmacog@gmail.com

Prof. Dr. Abdul Manaf Ali

Faculty of Agriculture and Biotechnology
Universiti Sultan Zainal Abidin (UniSZA),
Kampus Kota, Jalan Sultan Mahmud,
20400 Kuala Terengganu. MALAYSIA
Email: manaf@unisza.edu.my

Prof. Dr. Khozirah Shaari

Department of Chemistry
Faculty of Science
Universiti Putra Malaysia
43400 UPM Serdang, Selangor
Email: khozirah@yahoo.com.my