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ACADEMIC QUALIFICATION

Year : 2016 - PhD (Biosciences).
Nottingham University, United Kingdom
Year : M.Sc. (Quality and Productivity Improvement)
Universiti Kebangsaan Malaysia, Malaysia
Year : B. Sc. Hons. (Food Science)
Universiti Kebangsaan Malaysia, Malaysia
Year : 2005 – ITEC Diploma (in Holistic Approach - Credit)),
ITEC Diploma (in Aromatherapy (Credit))
Collaboration with International Therapy Examination Council (ITEC),
United Kingdom, UK

AWARDS / RECOGNITION / ACHIEVEMENTS

- i) Silver Awards 21st Industrial Art and Technology Exhibition (INATEX 2019)
- ii) Anugerah Khidmat Cemerlang UTM 2017
- iii) Gold Award – 19th Industrial Art and Technology Exhibition (INATEX 2017)
- iv) Bronze Medal 2017 (Bioeconomy Innovation Awards)
- v) Anugerah Khidmat Cemerlang IBD 2016
- vi) Anugerah Khidmat Setia IBD 2016
- vii) Silver Medal 2016 - 18th Industrial Art and Technology Exhibition (INATEX 2016)
- viii) Gold Medal 2015 - 17th Industrial Art and Technology Exhibition (INATEX 2015)

- ix) Bronze Medal 2015 - 17th Industrial Art and Technology Exhibition (INATEX 2015)
- x) Anugerah Kerja Berkumpulan Terbaik 2012
- xi) Bronze Medal Award – ITEX 2010
- xii) Anugerah Khidmat Cemerlang UTM 2006
- xiii) Bronze Medal Award – ITEX 2004
- xiv) Bronze Medal Award – ITEX 2004
- xv) Gold Medal Awards - ITEX 2002.

International Achievements :

- i) Gold Medal Award : 31st International Exhibition Of Invention, New Techniques and Products in Geneva, Switzerland, April 2003.
- ii) ISLAMIC DEVELOPMENT BANK (Jeddah, Arab Saudi) SCHOLARSHIP Award 2011

Professional Achievements :

- i) HALAL EXECUTIVE awarded by JAKIM (2019)
- ii) Awarded with Good Clinical Practice certification since 2018
- iii) BIONEXUS PARTNERSHIP PROGRAM (BNP) 2010 – under category Chemical Analysis Laboratory
- iv) Quality Manager for CEPP Laboratory Analysis Services (Awarded ISO 17025 Accreditation by Jabatan Standard Malaysia 2009)

PROFESSIONAL EXPERIENCES

Research officer (Nov 2001 – current):

Positions :

- i) Head of Food and Nutraceutical Unit (2016 until current)
- ii) Involve in the task / documentation for HICOE 2016
- iii) Head of Analysis Lab in IBD (2001-2011)
- iv) Quality Manager for CEPP Laboratory services (2005-2010)
- v) Tutor / Instructor for IBD Courses
- vi) Trainer and Therapist – for Holistic Therapy And Aromatherapy Training

Research Assistant (MPOB, Kajang) (Sept 1998 – June 1999):

Positions :

- i) Run the analysis using enzyme for esterification palm oil, compiling data and reporting data

EDITOR/REVIEWER

- i) **EDITORS:** Noorazwani Zainol, Nik Norhayati Mat Zain. Abstract book: 2nd International Postgraduate Symposium in Biotechnology 2019, UTM, Johor Bahru, Johor. pg1 – pg 143
- ii) **EDITORS:** Noor Azwani Zainol, A. Rafidah Yunos. E-proceedings of the 2nd International Postgraduate Symposium in Biotechnology 2019, UTM, Johor Bahru, Johor; pg 1- 59
e-ISBN 978-983-99322-6-3

- iii) **Guest Editor / Editor (ELSEVIER):** special issues in Science Direct Biocatalysis and Agricultural Biotechnology (BAB). <https://www.sciencedirect.com/journal/biocatalysis-and-agricultural-biotechnology/special-issue/10HBGXJ12TJ>
- iv) **EDITORS:** Noor Azwani Zainol, Zainul Akmar Zakaria, Abd Rahman Jabir Mohd Din. Proceedings of the 1st INTERNATIONAL POSTGRDUATE SYMPOSIUM in BIOTECHNOLOGY 2017, Johor Bahru, Malaysia. (2017) pg. 107-111.
eISBN 978-983-99322-4-9
- v) **REVIEWER SCHOLAR ONE** (Thomson Reuters) Manuscripts: Nutrition and Food Science
- vi) **EDITORS:** Noor Azwani Zainol, Ismail Ware, Siti Hajar Mat Sarip, Mariam Samani, Zainul Akmar Zakaria. 6TH. INTERNATIONAL CONFERENCE ON BIOTECHNOLOGY FOR THE WELLNESS INDUSTRY 2016 (ICBWI 2016). "WELLNESS FOR HEALTH AND PRODUCTIVITY – RECENT TRENDS AND OPPORTUNITIES". 16-17 August 2016.
eISBN 978-983-99322-3-2

CSR PROECT

Community services (CSR project) – Seminar Pembangunan Produk Berasaskan Herba (2019)
Community Services (CSR Project) – Seminar di Batu Pahat (2018)

MANAGEMENT EXPERIENCES:

Faculty Level

	:	Positions / Committee
Jun 2016 – Jun 2018	i)	Secretary of IBD Club, IBD, UTM

University Level

Mei 2015 – Jun 2016	:	Positions / Committee
	i)	Task Force Kenaikan Pangkat Skim Q – UTM
July 2017 – Sept 2017	i)	Task Force Kajian Soalan Skim Q
April 2017 – Jan 2018	i)	Program Lanjutan Latihan Pembangunan Individu (AIDP) – Staf Pengurusan & Profesional (Gred 44)

International Level:

Feb 2018 – Dec 2019	i)	Secretary of 2nd International Postgraduate Symposium In Biotechnology 2018
Jan 2017 – Dec 2018	ii)	Secretary of 1st International Postgraduate Symposium of

- Biotechnology 2017
- Jan 2016 – Dec 2017 i) Secretary of Secretary of 6th International Conference On
Biotechnology for Wellness Industry

INTERNATIONAL APPOINTMENT/COMMITTEE

- i) International Advisory Board Committee Member (2nd International Conference and Expo on Food and Nutrition 2019)
- ii) Involved in the Ethical Community for Feeding Trial of Chloroplast Freeze Dried Material, Nottingham University, UK (2011- 2013)
- iii) Members in Islamic Development Bank Committee (IDB), Arab Saudi, Jeddah.

PROFESSIONAL MEMBERSHIP AND RECOGNITION

- i) Member, **MIFT** (Malaysian Institute of Food Technology) – membership no. P01201
- ii) Member of Malaysian Board of Technologist (MBOT)
- iii) HALAL Executive awarded by JAKIM (since August 2019)
- iv) Member of Controlled Release Society Malaysia (MyCRS00122)
- v) ORCID iD : 0000-0002-3240-1023
- vi) AiCHE membership 2018

TEACHING / TUTOR FOR TRAINING AND SHORT COURSES OFFERED BY IBD

- i. Palm Oil Processing
 - a. Course: Skill Realignment Training Programme for the Chemical Industry. Bilik Seminar Jasmine, CEPP. Mac, Jun and September 2005
- ii. Organic Chemistry
 - a. Course: A Four Day Foundation Course on Chemical Process Engineering For Plant Operators and Technician. Mac, Jun and September 2006
- iii. Petroleum Refining Technology for Non-technical Executives, Century Mahkota Hotel, Melaka. April 2006.
- iv. Herbal Product Formulation Courses (throughout the year 2008)
- v. Certificate in Holistic Advance Course (Aromatherapy) – (throughout the year 2008)
- vi. Certificate in Holistic Treatment Introductory Course (Anatomy and Physiology) – year 2008
- vii. Kursus Pengurusan Urut Tradisional (KKLW) – throughout the year 2008
- viii. Kursus Persijilan Profesional Holistik Terapi (SPA & Urutan), November 2008
- ix. Kursus Kesedaran Terapi Holistik. (throughout the year 2009)
- x. Scaling-up chloroplast extraction, Sutton Campus, Nottingham University, UK (2011-2012).
- xi. Natural Products Chemistry Training & Development Programme (OPCW); on 27th Sept – 13 Oct 2015
- xii. Academic Cooperation Program On Agricultural Product Processing The Chaipattana Foundation (10-20 June 2015)
- xiii. 3 Days Workshop On Analytical Techniques For Natural Product Samples (1-3 sept 2015)
- xiv. Anatomy & Physiologi Short Courses (12-15 Oct 2015)

- xv. Reflexology Short Courses (20-22 Oct 2015)
- xvi. Holistic Therapy Short Courses (26-29 Oct 2015)
- xvii. Natural Products Chemistry Training & Development Programme (OPCW); on 25th July – 10 August 2016.
- xviii. 2 Days Workshop On Basic Analytical Techniques For Herbal Samples (17-18 Oct 2016)
- xix. Skill Development Program on Plant and Microbial Based Bioproduct Development for Chaipattana Foundation, Thailand (1-11 Ogos 2017)
- xx. Fun and Explore Bioproduct Development for Kids (Dec 2018)
- xxi. Plant and Microbial Based Biological Control Products (Oct 2018)
- xxii. A four days Course on Bioproduct Development from Malaysian Medicinal Plants (July 0218)
- xxiii. Half day course on Emulsion Technology (June 2019)
- xxiv. Biobased Product Development for Soon Chun Hyang University, South Korea (5-30 Jan 2019)

SUPERVISION OF INTERN STUDENT / UNDERGRADUATE STUDENTS

International student (2011-2013) :

- i. Supervised undergraduate students (3 students) under Biosciences Department, Sutton Campus Nottingham University, UK. Students name are: Lucy Harris, Kathy Dawson and Perrine Delime.
- ii. Skill Development Programme on Plant and Microbial Based Bioproduct Development for Soon Chun hyung Korea University, South Korea (1 months)

Local students (2017 – 2019):

Supervised student from Universiti Malaysia Kelantan (2), Universiti Putra Malaysia (8); Mannipal International Universiti, KL (2), International Islamic University Malaysia, Gombak (1), UiTM, Shah Alam (1), Universiti Sultan Zainal Abidin, Pahang (1), AIMST University, Baling (1) and UiTM Pasir Gudang (1).

Total : 17 students

RESEARCH PROJECT UNDERTAKEN

- | | | |
|-------------|---|---|
| 2001 – 2003 | : | Project Leader
Probiotic Microorganisms in Spray Dried Non-Diary Fruit Juice powder. IRPA 09-02-06-0127 EA 001 (RM200K) |
| 2015 – 2016 | : | Project Leader
Product Development of Protein Supplementation added with herbal for Platinum Company Sdn. Bhd. (RM17K) |
| 2017 – 2019 | : | Project Leader
HICOE Grant Proposal; Nano-encapsulation formulation loaded with bioactive compound for cosmeceutical and/or nutraceutical application. Vot: PY/2017/00101. (RM50K) |
| 2015 – 2017 | : | Project Leader (internal budget)
i) Freeze Dried Fruit Products. Budget approved is RM5K
ii) Fermented Coffee with high nutritive Value. Budget approved |

2019 – 2019 : RM 10K
Project Leader
i) Reformulation of Herbal Drink (LTH Company) RM10K

FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS FUND)

2015-2017 : **Project Member**
i) Study on the mechanism underlying the anti-dengue effect by the fractions of Carica papaya leaves extracts. FRGS/1/2015/ST04/UTM/02/2) **(RM152K)**
ii) Project Member
Purification And Characterization of Isoflavone Extraction From Fermented and Germinated Soybean. **IRPA 74055 (RM180K)**

CONTRACT RESEARCH PROJECT BY GUP GRANT

2015- 2017 : **Project member**
The nutritional composition standardization of stingless bee Honey. **PY/2015/05123 (GUP Tier 3) (RM50K).**

2019 – 2022 : **Project member**
Prototype Development of Potential Health Supplement Capsule Containing Ficus Deltoidea Standardized Extract **PY/2019/02717 (RM69, 000.00)**

CONTRACT RESEARCH PROJECT AWARDED BY HICOE, KPT

2017-2020 : **Project Member**
i) Fractionation, Isolation and Purification of Annona muricata and carica papaya leaves extract. PY/2017/00115 (RM250K)
ii) Study on Plant Extract by Lyophilized Method for Nutraceutical Application. PY/2017/00108 (RM250K)
iii) Encapsulation of Andrographis Paniculata and Garcinia Cambogia for Cosmecuetical and Nutraceutical. PY/2017/00098. (RM250K)
iv) Production of Standardized Melastoma Malabathricum and Annona Muricata Whole extract. PY/2017/00133 (RM250K)

- v) Highly Nutritious Pineapple based cereal product PY/2018/02715 (RM60,000)
- vi) Synergistic Enzymatic reaction for maltooligosaccharides (MOS) Synthesis from Starch (HICOE) (RM150,000.00)

CONTRACT RESEARCH PROJECT UNDERTAKEN UNDER JOHOR (IISJ)

- i) Members in research : Penjenamaan bagi produk pelancongan berasaskan laut. Project Community. **The budget approved by IISJ, is RM31,500.**
- ii) Members in research : Program Pembangunan Spa dan Produk Berasaskan Herba bagi Melestarikan Industri Pelancongan Johor Penjenamaan bagi produk pelancongan berasaskan laut. Project Community. **The budget approved by IISJ, is RM29,500.**

CONTRACT RESEARCH PROJECT UNDER COMMERCIALIZATION :

1. BY LEMBAGA NENAS MALAYSIA (LPNM)

- i) Formulation of natural cough syrup from pineapple fruit extract. The budget approved is **RM25K.**

2. BY MALINJA RICE SDN. BHD

- i) Formulation and Development of Flavoured Tempeh. The budget approved is **RM10K**

CONTRACT RESEARCH PROJECT UNDER COMMERCIALIZATION BY PPRN

- i) Effective Technique to reduce water content in Honey. Budget approved is **RM35K**
- ii) Integrated Coffee Bean Roasted Process. Budget approved is **RM45K**

CONTRACT RESEARCH PROJECT WITH INDUSTRI (2016 -2020)

- ii) Re-Formulation Of High Nutritional Gummy - budget approved : RM21,500.00
- iii) Prototype of Jasmine Product - budget Approved : RM3,000.00
- iv) Prototype of Botanical Syrup - RM18, 700.00
- v) Formulation Of High Nutritional Candy From Pineapple Fruit Extract - budget approve : RM11,766.00
- vi) Reformulation of Herbal Drink (LTH Company) – RM 10,000.00
- vii) Development of Concentrated Botanical Colours – budget approved : RM 11,500.00
- viii) Re-formulation of Listra Habasauda plus capsule - budget approved : RM 20,000.00
- ix) Enriched kacang fatimah exytract for capsule Dayyan Sdn Bhd - budget approved RM25,000.00
- x) Formulation and development of flavoured tempeh – budget approved : RM 10,000.00
- xi) Formulation of Natural Cough Syrup from Pineapple Fruit Extract – budget approved : RM 25,000.00
- xii) Developemnet of High Antioxidant Coffee – budget approved : RM10,000.00

- xiii) Investigation of chemical composition and bioactive of none fermented and fermented soy peptides – budget approved : RM 60,000.00

INTERNATIONAL NETWORK LINKAGES AWARDED BY CHAIPATTANA FOUNDATION, THAILAND

- i) Skill Development Program on Plant and Microbial Based Bioproduct Development for Chaipattana Foundation, Thailand (1-11 Ogos 2017). Budget approved is **RM31,300**.

PATENT FILED/TRADE SECRET

- i) Harisun Yaakob, Nik Nurul Najihah Nik Mat Daud, Norisham Rosdi, Norfarahiyah Aman Nor, **Noorazwani Zainol**, Siti Nor Azlina Ad Rashid. Product: Novel Encapsulated AnnoCata Potential Health Supplement. (IP/PT/2016/1441)
- ii) Harisun Yaakob, Nur Fatimah Hasan, **Noorazwani Zainol**, Product: Flavoured Tempeh. (IP/TS/2018/0458)
- iii) Harisun Yaakob, Siti Norazlina Abd Rashid, **Noorazwani Zainol**, Ilya Ilyani, Norfarahiyah Aman Nor. Product: Natural Cough Syrup from pineapple fruit Extract Incorporation with Spices and Herbs. (IP/TS/2018/0457)

PUBLICATIONS AND PAPER PRESENTED

THESIS

- i) Noorazwani Zainol, Lipid Based Interfacial Design of Food Emulsion for controlling the Rate of GI-track Digestion. Ph.D. Thesis, University of Nottingham, United Kingdom. (2015).
- ii) Noorazwani Zainol, Kajian Kes Tahap Kualiti Beras di Malaysia, Master Thesis (Mix-mode), Universiti Kebangsaan Malaysia (2001)

BOOK CHAPTER (LOCAL)

- i) **Noorazwani Zainol**, Zarani Mat Taher, Harisun Yaakob, Muhammad Fauzi Abd Jalil. "Functional Plant Material on Lipid Application: in Recent Trends in Malaysian Medicinal Plants Research. Penerbit UTM Press. **ISBN: 978-983-52-1207-9**
- ii) Nur Rashidah Ahmed, Ismail Ware, **Noorazwani Zainol**, Harisun Yaakob. Effect of Processing Parameters on Vitexin Amount in Ficus deltoidea Water Extract. Advances in Malaysian Herbal and Phytochemical Processing Technologies. Penerbit UTM Press. **ISBN: 978-983-52-1410-3**
- iii) Harisun Yaakob, **Noorazwani Zainol**, Siti Nor Azlina Abd Rashid, Nor Farahiyah Aman Nor, Norasiah Sadek, Roslinda Abdul Malek, Ilyia Arina Md Zaki, Nur Fatihah Norhisham, Hajar Zainal. Pembangunan Sirap Anti-inflamasi untuk kelegaan batuk daripada ekstrak nanas yang

digabungkan bersama rempah-ratus lain. Koleksi jurnal : Kajian Industri Nanas 2009-2016. Lembaga Perindustrian Nanas Malaysia. Website: www.mpib.gov.my

BOOK CHAPTER (INTERNATIONAL)

- i) Abd Malek, Roslinda, Sallehuddin Hamdan, Ali El-Enshasy, Hesham Ali Metwally, **Noor Azwani Zainol**, Nor Zalina Othman, and Mohamad R. Sarmidi. "Production of *Lactobacillus salivarius*, a new probiotic strain isolated from human breast milk, in semi-industrial scale and studies on its functional characterization." Vol. 2 (2010): 1196-1204. In Current Research, Technology and Education Topics in Applied Microbiology and Microbial Biotechnology. Spain: Formatex Research Centre, Badajoz1196-1204.

BOOKS OF ABSTRACT / PAPERS IN INTERNATIONAL BOOK

- ii) **N.Zainol**, Farahiyah, A.N, Siti Azlina, A.R and Harisun,Y. Impact of *Eurycoma longifolia* in Protein Supplementation . 6th International Symposium on Wellness Healthy Lifestyle and Nutrition. USM, Kubang Kerian, Kelantan (2015). ISBN: 978-967-5651-76-2
- iii) **Noorazwani Zainol**, David Gray and Bettina Wolf (2014). Spinach Lipid Extract for Interfacial Engineering of O/W emulsions to mediate lipolysis. Symposium proceedings; The 3rd International Symposium on Processing of Foods, Vegetables and Fruits. Nottingham University, UK / Malaysia. ISBN: 978 – 967 – 1127-90-2
- iv) **Noorazwani Zainol**, David Gray and Bettina Wolf (2013). Engineering Interfaces in Food Emulsions for Controlled Digestion. In the book of Abstract in EURO FOOD CHEM XVII. Istanbul, Turkey. ISBN: 978 – 605 – 63935 – 0 -1

PROCEEDINGS / E-PROCEEDINGS (INTERNATIONAL)

- I. Harisun Yaakob, Mohamad Norhisham Mohamd Rosdi, Razauden Mohamad Zulkifli, Nik Nurul Najihah Nik Mat Daud, Nor Farahiyah Aman Nor, Siti Nor Azlina Abdul Rashid, **Noorazwani Zainol**, Muna Mohamad (2016). *Annona Muricata Linn* Ethanolic leaves reduces nitric oxide production in HepG2 cells in (eds). 1st international & 7th Annual Conventional and Scintific Meeting, De LA Salle University, Manila.
- II. Nor Farahiyah Aman Nor, Sulaiman Ngadiran, **Noor Azwani Zainol**, Siti Nor Azlina Abdul Rashid, Harisun Yaakob, Muna Mohamed, Ismail Ware. Efficacy Study of Essential Oil-Based Insect Repellent Against Houseflies. in (eds.) Noor Azwani Zainol, Ismail Ware, Siti Hajar Mat Sarip, Mariam Samani and Zainul Akmar Zakaria. Proceedings of the 6th International Conference on Biotechnology for the Wellness Industry 2016, Melaka, Malaysia. (2016). pg. 70-74. eISBN 978-983-99322-3-2
- III. Norliza Abdul Latif, **Noor Azwani Zainol**, Ismail Ware, Muna Mohamad, Nur Fashya Musa, Siti Hajar Mat Sarip. Antioxidants and total phenolic content from leaves and stem of *Clinanthus mutans* (C.nutans). in (eds.) Noor Azwani Zainol, Ismail Ware, Siti Hajar Mat

Sarip, Mariam Samani and Zainul Akmar Zakaria. Proceedings of the 6th International Conference on Biotechnology for the Wellness Industry 2016, Melaka, Malaysia. (2016). pg. 56-64 eISBN 978-983-99322-3-2.

- IV. Ilyia Arina, M.Z., Harisun, Y., **Noorazwani, Z.**, Siti Norazlina, A.R., Norfarahiyah, A.N., Norasiah, S. Effects of Time of Extraction and Solvent to Raw Material Ratio on Aqueous Extraction of *Quercus infectoria* Galls Extracts. in (eds.) Noor Azwani Zainol, Ismail Ware, Siti Hajar Mat Sarip, Mariam Samani and Zainul Akmar Zakaria. Proceedings of the 6th International Conference on Biotechnology for the Wellness Industry 2016, Melaka, Malaysia. (2016). Pg 35-39. eISBN 978-983-99322-3-2.

JURNALS (INDEXED Journals)

- i) Hashim, N.A., Ya'akob, H., Rosdi, M.N.M., Zainol, N.A., Husin, F., Soib, H.H. and Norhisham, N.F. Hashim (2020). Antioxidant properties of extracts and SPE fractions from *Annona muricata* leaves. Food Research Journal (2020); eISSN:2550-2166 [https://doi.org/10.26656/fr.2017\(S2\).S02](https://doi.org/10.26656/fr.2017(S2).S02) **Q4**
- ii) Noorazwani Zainol, Subramanian, S., Adnan, A.S., Zulkifli, N.H., Zain, A.A.M., Kassim, N.R.W. and Kamarudin, A.A. (2020). The potential source for composite flours as food ingredient from local grown crops. Food Research Journal (2020); eISSN:2550-2166 [https://doi.org/10.26656/fr.2017\(S2\).S02](https://doi.org/10.26656/fr.2017(S2).S02) **Q4**
- iii) Noorazwani Zainol, Mohamad Shahrizad Pairon, Mohd Eeyad Arief Mohd Nor Asri, Khetiswari Ganesan (2019). Quality Control and in-vitro study release behaviour of Eurycomanone in herbal products supplement in capsule form. International Journal of Psychosocial Rehabilitation. DOI : 10.37200/IJPR/V2414/PR201041 **Q4**
- iv) Hammad Salleem, Gokhan Zengin, Kashif-Ur-Rehman Khan, Irshad Ahmad, Muhammad Waqas, Fauzi M. Mahomoodally, Kannan R.R. rengasamy, Noorazwani Zainol, Syafiq Asnawi Zainal Abidin, Nafees Ahmad (2019). New Insight into the phytochemical composition, enzyme inhibition and antioxidant properties of Desert Cotton (*Aerva Javanica (Bum.f) Shult. Amaranthaceae*). February 2019. Natural Products Research (ISSN : 14786419). DOI:10.1080/14786419.1587427 **IF : 1.99**
- v) Mohamed A. Gedi, Rhianna Briars, Felius Yuseli, Noorazwani Zainol, Randa Darwish, Andrew M. Salter, David A. Gray (2017). Component analysis of nutritionally rich chloroplast: recovery from conventional and unconventional green plant species. Journal of Food Science and Technology. August 2017. Volume 54, Issue 9, pp 2746-2757. ISSN: 0022-1155 (doi:10.1007/s13197-017-2711-8) **IF : 1.26**
- vi) Noorazwani Zainol, David Gray & Bettina Wolf. (2016). Behaviour of galatolipids components in crude lipid extracts in in-vitro digestion emulsion model. Journal of Scientific Research and Development 3 (3): 62-68. ISSN 1115-7569. www.jsrad.org **IF : 1.69**

SCOPUS

- i) Noorazwani Zainol, Norliza Abdul Latif, Siti Hajar Mat Sarip, Nor Farahiyah Aman Nor, Siti Alyani Mat, Norasiah Sadek, Harisun Yaakob. Comparison data on Antioxidant Activities, Flavonoid and mineral Content Analysis of Artocarpus Altilis Leaves at Different Maturity stages. <https://aiche.confex.com/aiche/2018/meetingapp.cgi/Paper/532819>
- ii) Noorazwani Zainol, Daneshwary Muniandi, Suhir Sulaiman, Siti Alyani Mat, Norasiah Sadek, Ramlan Aziz. Physicochemical Properties, Macro and Microanalytes Analysis of Gluten-free Flour as Potential Functional Food Ingredients. <https://aiche.confex.com/aiche/2018/meetingapp.cgi/Paper/529955>
- iii) Noorazwani Zainol, Chin Keat Ho, roslinda Abd Malek, Siti Zulaiha Hanapi, Siti Alyani Mat, Mun Leong Wong, Chee Loong Teo, Twee Juan Wong, Ani Idris, Hesham El Enshansy. Functional Characterization of Soypeptide as Supplementary Diet and Their Effects on the Kinetics of cell Growth of Probiotic Microorganisms. <https://aiche.confex.com/aiche/2018/meetingapp.cgi/Paper/529971>
- iv) Noorazwani Zainol, Chen siew Chin, Nor Rashidah Ahmed, Azila Abdul Aziz, Rabiah Sabtu, Harisun Yaakob. Optimization study on Niosome Loaded *Ficus Deltodia* Extract. MATEC Web Conf. 192 (2018) 03025. <https://doi.org/10.1051/matecconf/20189203025>
- v) Noorazwani Zainol, Nor Farahiyah Aman Nor, Harisun Yaakob, Siti Nor Azlina Abd Rasid, Siti Hajar Mat Sarip, Ramlan Aziz (2017). Sensory Evaluation and Quantitative Analysis of Mineral and heavy metal content of protein Supplement incorporated with Herbal Extract. Malaysian Journal of Analytical Sciences, Vol 21 No 6 : 1299-1306. <https://doi.org/10.17576/mjas-2017-2016-11>
- vi) Norliza Abdul Latif, Chua Lee Suan, Siti Nor Azlina Abd Rashid, Noor Azwani Zainol (2017). Antioxidants, Polyphenols and marker Phytochemicals Content from Different Parts of Clinacanthus nutans (C.nutans). Transactions on Science and Technology Vol. 4, No.3-3, 336-341.
- vii) Nik Nurul Najihah N.M. Daud, H.Yaakob, N.Zainol, Siti Norazlina A.Rashid., Norfarahiyah A.Nor., N. Sadek, Auni Salma S.Amri, Iylia Arina M.Zaki (2017). Optimization of formulation ingredients of anticancer supplement from Annona Muricata Leaves Extract Using D-optimal Mixture DesignSci.Int. (Lahore/ 29/1), 45-49. ISSN 1013-5316, CODEN
- viii) Noorazwani Zainol, David Gray and Bettina Wolf (2017). Profiling and study of interfacial tension laden with crude lipid extract plant based as surfactant for food application. Journal of Fundamental and Applied Sciences (JFAS) (online issue) (ISSN:1112-9867) Doi: <http://dx.doi.org/10.4314/jfas.v9i7s.6>
- ix) Noor Azwani Zainol, Siti Nor Azlina Abd Rashid and Ramlan Aziz. Nutritional Characterisation of Phyto-Biofilm Starch Based for Food Application. 2016 AIChE Annual Conference, San Francisco, CA. ISBN: 978-081-6910977 (<http://www.aiche.org/conferences/aiche-annual-meeting/2016>).

- x) Noorazwani Zainol, Mohamed Abdulkadir Gedi, David Gray and Bettina Wolf (2015). Spinach freeze dried materials: source of nutrients for health benefits. The International Journal of Science & Technoledge). www.theijst.com
ISSN: 2321 – 9191512-041
- xi) Rozaliana Abdul Kadir, Harisun Yaakob, Mohamad Roji Sarmidi, Mukrish Hanafi, Noor Azwani Zainol and Siti Nor Azlina Abd Rashid. The Effect of Labisia Pumila Plant Extract on Biological Changes and Morphological Modifications of Various Human Skin Cells. 2016 AIChE Annual Conference in San Francisco, CA. (<http://www.aidhe.org/conferences/aidhe-annual-meeting/2016>). ISBN - 978-081-6910977
- xii) Siti Nor Azlina Abd Rashid, Mailin Misson, Noor Azwani Zainol, Harisun Yaakob, Auni Salma Shaiful Amri1 and Muna Mohamad. Sensory Preferences Towards Different Types of Nutritious Granola BAR. 2016 AIChE Annual Confererence in San Francisco, CA. (<http://www.aidhe.org/conferences/aidhe-annual-meeting/2016>). ISBN- 978-081-6910977
- xiii) K.H. Mah, H. W. Yussof, N. A. Jalanni, and N.Zainol. Separation of Xylose from Glucose Using Thin Film Composite (TFC) Nanofiltration Membrane: Effect of Pressure, Total Sugar concentration and Xylose/glucose ratio. August 2014, Journal Teknologi. 70 :1 (2014), 93-98; DOI:10.1113/jt.v70.2746; <http://www.researchgate.net/publication/273298607>
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- v) R Abdul Aziz, NAI Muhammad, ZM Taher, NA Zainol – 2005. Penyelidikan semasa ke atas herba tempatan bagi mengekalkan kesihatan.
- vi) H.Yaakob, N.A. Zainol., R.A Aziz and MR Sarmidi. The Effect of temperature and time processing on the isoflavone content from fermented soybean. Annual Seminar on Natural Products Society. 2004

ORAL PRESENTATION (INTERNATIONAL) / REFEREED CONFERENCE

- i) Noorazwani Zainol, David Gray and Bettina Wolf (2017). Profiling and study of interfacial tension with crude lipid extract plant based as surfactant for food application. 3rd International Conference on Chemical Industry and Science (**ICCIS 2017**) at Kuching, Malaysia on 24th-25th February 2017.
- ii) Joanne. G., Perrine D., N.Zainol, B.Wolf (2014). Surface Active Ingredients in O/W Application. Food Structure and Functionality Forum Symposium (**ELSEVIER**), 31st March – April **2014 Amsterdam**.
- iii) Perrine Delime, Noorazwani Zainol, David Gray, Bettina Wolf. (2014). Food emulsion interfaces to manipulate digestive behaviour. **Annual European Rheology Conference, Karlsruhe, Germany (AERC) 2014**.

POSTER PRESENTATION (INTERNATIONAL / LOCAL)

- i) N.Zainol, Farahiyah, A.N, Siti Azlina, A.R and Harisun,Y. (2015). Impact of Eurycoma longifolia in Protein Supplementation . **6th International Symposium on Wellness Healthy Lifestyle and Nutrition**. USM, Kubang Kerian, Kelantan
- ii) Noorazwani Zainol, David Gray and Bettina Wolf. (2014). Spinach lipid extract for interfacial engineering of o/w emulsions to mediate lipolysis. **Food Structure and Functionality Forum Symposium (ELSEVIER)**, 31st March – April 2014 Amsterdam.
- iii) Noorazwani Zainol, David Gray and Bettina Wolf. (2013). Spinach lipid extract for interfacial engineering of o/w emulsions to delay lipolysis. Islamic Development Bank (IDB) Annual Symposium, Harvard University, UK. 23rd June 2013.
- iv) Noor Azwani Zainol, Nur Izwana Abdullah, Mohamad Roji Sarmidi, Ramlan Abdul Aziz. CHARACTERIZATION OF INULIN FROM DIOSCOREA SPECIES. Asian Conference on Analytical Sciences (ASIANALYSIS X) 2009.PWTC, KL. 11-13 August 2009
- v) N.A.Zainol, N.M. Shafie, M.R.Roji. R.Abdul Aziz. The Effect of Processing Parameter On The Yield of Inulin In Sweet Potato. Biodiversity And Biotechnology Symposium 2008. Hilton, Kuching, Sarawak. 19th -21 November 2008 kjll

- vi) N.A. Zainol, M.Muhammad, M.R.Roji, R. Abdul Aziz. Prebiotic Yogurt. Seminar On Food Biotechnology. Hotel Equatorial, Bangi. 25-26 November 2008.
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- ix) Harisun Yaakob, Noor Azwani Zainol, Yuzaini Yusof, Rozilawati Abdul Rahim, Ramlan Abdul Aziz. Study on factor that affect the isoflavone extraction from fermented soybean. RSCE 2002-SOMChE 2002. 28-30 Oct 2002. PJ Hilton
- x) Harisun Yaakob, Noor Azwani Zainol, Ramlan Abdul Aziz, Mohammad Roji Sarmidi. Kesan suhu dan masa pemprosesan terhadap kandungan isoflavone daripada proses fermentasi kacang soya. Malaysia Natural Product 2002. 21-24 Oct 2002. Promenade Hotel, Kota Kinabalu Sabah.
- xi) Harisun Yaakob, Noor Azwani Zainol, Ramlan Abdul Aziz, Mohammad Roji Sarmidi. Quantification of Genistein & Diadzein in Fermented Soy Food Products. Symposium Kimia Analysis – 15. 20-23 September 2002. Pulau Pinang

OTHER SKILLS

- a. Computer skill – experience in the usage of several packages including Microsoft Office and Excel, SPSS.
- b. Able to operate analysis equipment: Tensiometer, Particle size, high pressure homogenizer, GC-MS, HPLC, TLC, ICP/MS, Particle size equipment and common analytical equipment.
- c. Able to formulate aromatherapy blending and active in complementary activities (massage, reflexology).
- d. Demonstrator and instructor for holistic massage and reflexology.

REFERENCES:

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