

CONTACT INFO

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PERSONAL DETAILS

Date/Place of Birth	30 November 1988 / Hospital Kluang Johor
Gender	Female
Marital Status	Marries
Citizenship	Malaysia
Languages	Malay (Excellent), English (Excellent)
Permanent Address	No. 22, Lorong Seri Saujana 2, Taman Seri Saujana, 14300, Nibong Tebal, Pulau Pinang.
Correspondent Address	School of Chemical Engineering, Engineering Campus, Universiti Sains Malaysia, Seri Ampangan, 14300, Nibong Tebal, Pulau Pinang.
Website	Personal: https://sites.google.com/view/drnurayshahrosli Department: http://chemical.eng.usm.my/staff/academic
Awards	Exhibition Awards <ol style="list-style-type: none">1. Gold Medal INATEX UTM 20152. Bronze Medal Malaysia Technology Expo 20163. Silver Medal for Most Commercial Ready Product Bioeconomy Innovation Awards 20174. Gold Medal for Most Innovative Product Bioeconomy Innovation Awards 2017 Scholarship Awards <ol style="list-style-type: none">1. Full scholarship for undergraduate studies by JPA (2007-2011).2. Full scholarship for MSc studies by KPT (2011-2012).3. Fellowship for PhD studies by KPT and USM (2013-2016)4. Full sponsorship for research attachment at CINDEFI, University of La Plata, Argentina (1 March – 15 April 2016).

ACADEMIC QUALIFICATIONS

- 2013-2019 Doctor of Philosophy (Bioprocess Engineering)
Universiti Teknologi Malaysia
Title of thesis: Nanostructured Lipid Carrier Encapsulates Zingiber Officinale And Zingiber Zerumbet Oil for Lipolysis in Subcutaneous Skin Layer
Supervisor: Prof. Madya Dr. Azila Binti Abdul Aziz
Co- Supervisor: Dr. Rosnani Binti Hasham
- 2011-2012 Master of Science (Chemical Engineering)
Universiti Sains Malaysia
Title of thesis: Preparation of Activated Carbon from Fruit Waste for Dyes Removal: Equilibrium, Kinetic and Thermodynamic Studies
Supervisor: Prof. Madya Dr. Mohd Azmier Bin Ahmad
- 2007-2011 Bachelor of Engineering with Hons. (Chemical Engineering)
Universiti Sains Malaysia
Title of thesis: Synthesis of pineapple peel based activated carbon for Remazol brilliant blue R removal
Supervisor: Prof. Madya Dr. Mohd Azmier Bin Ahmad
CGPA: 3.13

PROFESSIONAL MEMBERSHIP / ASSOCIATIONS

1. Graduate member, Board of Engineer Malaysia, 2016-current. (GE102469A)

CAREER PATH & EXPERIENCE

- 2019-current **Lecturer**, School of Chemical Engineering, USM
- 2013-2019 **PhD Candidate**, Department of Bioprocess, School of Chemical and Energy Engineering, UTM
- 2012-2013 **Research Assistant**, School of Chemical Engineering, USM.
- 2011-2012 **MSc Student**, Universiti Sains Malaysia.
- 2011 (June - September) **Production Engineer**, Galvano Tech, Johor Bahru
- 2007-2011 **BEng Student**, School of Chemical Engineering, USM

PUBLICATIONS

Refereed Journal

Scopus Cited Journal

1. **N.A. Rosli**, R. Hasham, and A. A. Aziz. (2018). Design and Physicochemical Evaluation of Nanostructured Lipid Carrier Encapsulated Zingiber Zerumbet Oil by D-Optimal Mixture Design, Jurnal Teknologi, 80 (3), 105-113. **Scopus cited**.
2. Suhaimi, S. H., Hasham, R. & **Rosli, N. A.** (2017) Chemical Engineering Transactions. Italian Association of Chemical Engineering - AIDIC, Vol. 56, p. 1141-1146 6 p. (Chemical Engineering Transactions; vol. 56). **Scopus cited**.

Non-indexed Journal

1. Suhaimi, S.H., Hasham, R., **Rosli, N.A.** (2015). Effect of Formulation Parameters on Particle Size and Polydispersity Index of Orthosiphon stamineus Loaded Nanostructured Lipid Carrier, Journal of Advance Research in Applied Sciences and Engineering Technology, 1 (1), 36-39.
2. **Rosli, N. A.**, Hasham, R., Aziz, A. A., Aziz, R., (2015). Formulation and Characterization of Nanostructured Lipid Carrier Encapsulated Zingiber Zerumbet Oil using Ultrasonication Technique. Journal of Advanced Research in Applied Mechanics, 2015, Vol. 11 (1), 16-23.
3. Sabtu, R., Hasham, R., **Rosli, N.A.**, Abdul Aziz, A., and Aziz, R. (2015). Effect of high pressure homogenizer on the formation of Zingiber officinale – loaded nanostructured lipid carrier, Journal of Advanced Research in Materials Science, 13(1), 16-21.

International Conference

1. **Rosli, N. A.**, Noor, N. M., Aziz, R., Aziz, A. A., Hasham, R., (2014). Formulation and Characterization of 6-gingerol loaded Nanostructured Lipid Carrier (NLC). Proceeding of 2nd International Science Postgraduate Conference 2014 (ISPC2014). Faculty of Science, Universiti Teknologi Malaysia, 1412-1422.
2. **N.A. Rosli**, R. Hasham, and A. A. Aziz. (2016). Evaluation of Release Parameter Of Zingiber Officinale Essential Oil From Nanostructured Lipid Carrier. Proceeding of 6th International Conference on Biotechnology for the Wellness Industry (ICBWI) Melaka 2016.
3. **Rosli, N. A.**, Noor, N. M., Aziz, R., Aziz, A. A., Hasham, R., (2014). Preparation Of Zingiber Officinale Loaded Nanostructured Lipid Carrier (Nlc) Using Ultrasonication And Microfluidizer: A Comparison. Poster Presentation for 5th International Conference on Biotechnology for the Wellness Industry (ICBWI) Kuala Lumpur 2014.
4. **Rosli, N. A.**, Aziz, R., Aziz, A. A., Hasham, R., (2015). Formulation And Characterization Of Nanostructured Lipid Carrier Encapsulated Zingiber Zerumbet Oil Using Ultrasonication Technique. Proceeding of World Virtual Conference on Applied Sciences and Engineering Applications 2015, Universiti Teknologi Malaysia.

National Conference

1. **N. A. Rosli**, G. A. Islan, G. R. Castro, Z. A. Zakaria, R. Hasham, & A.A. Aziz. Incorporation of nanoparticles based Zingiber officinale oil onto alginate films for sustainable release properties. Proceeding for National Symposium on Polymeric Materials 2016, 10-12 October 2016, Penang Malaysia

Local Exhibitions Poster Presentations

1. ZINGISHAPE, Virgin Coconut Oil Based Nanostructured Lipid Carrier Loaded With Zingiberaceae Oils Mixture: Topical Treatment For Obesity, INATEX 2015, Universiti Teknologi Malaysia.
2. ZINGISHAPE, Virgin Coconut Oil Based Nanostructured Lipid Carrier Loaded With Zingiberaceae Oils Mixture: Topical Treatment For Obesity. Malaysia Technology Expo 2016, Kuala Lumpur.
3. ZINGISHAPE, BioMalaysia Exhibition, 2017, Kuala Lumpur.

Patent

1. Hasham R., Aziz A. A., Rosli N. A., Arifin F., Sabtu R., Aziz R. A nanostructured lipid carrier encapsulated Zingiber officinale. Patent pending PI 2015002696.
2. Hasham R., Aziz A. A., Rosli N. A., Arifin F., Sabtu R., Aziz R. A nanostructured lipid carrier encapsulated Zingiber zerumbet. Patent pending PI 2015002695.

PROFESSIONAL SEMINAR/WORKSHOP/ETC

Course participant

1. Participant: Forum Kenali Simptom Depresi Pelajar untuk Kesejahteraan Individu dan Warga Pusat Pengajian. School of Chemical Engineering, USM (21 August 2019)
2. Participant: Improving Chromatography Quality and Efficiency in Your Lab Seminar by Rashaki Venture Sdn. Bhd dan Agilent Technologies. School of Chemical Engineering, USM (27 August 2019).
3. Participant: Introduction Workshop on Laboratory Animals Care and Management (IWLACM) 2016. Universiti Kebangsaan Malaysia, Kuala Lumpur. (27 Jan 2016).
4. Participant: A Day with Merck Solution Seminar. Fakulti Sains Universiti Teknologi Malaysia. (17 November 2015).
5. Participant: Particle Characterization Technology 2014. Ibnu Sina Institute Universiti Teknologi Malaysia. (19 March 2014).
6. Participant: Nano and Micro Scale Particles Characterization by DKSH. Ibnu Sina Institute Universiti Teknologi Malaysia. (19 August 2014).
7. Participant: Process development of nanoparticle liposomal formulations using the Microfluidizer processor. DKSH Technology Sdn. Bhd. Selangor (25 October 2013).

Workshop Active Participant – As participant in coming up with paper works/brainstorming

1. Participant: Utm-MyIPO Hands-On Patent Search and Patent Drafting Workshop 2015. Hotel KSL Johor Bahru, Johor.

TEACHING ACTIVITIES

Undergraduate Subjects Taught

Semester	Subject Code	Subject	Credit Hour
2019/2020 1	EKC 464	Biorefinery Engineering	3
2019/2020 1	EKC 493	Chemical Engineering Laboratory III	2
2019/2020 1	EKC 451	Process Design and Analysis	4
2019/2020 1	EKC 499	Final Year Project	2

SOCIAL SERVICES

1. Committee: Program Lestari Pelajar Pra-Universiti USM (20 August 2019)
2. Participant: Dietfit Advanced 6, Nibong Tebal (March-April 2019)
3. Participant: Dietfit Advanced 5, Nibong Tebal (Oct-Nov 2018)
4. Committee: Karnival Herba 110 Tahun Jabatan Pertanian Malaysia (18 Sep 2015)
5. Participant: Electrun, UTM (27 Nov 2015)
6. Participant: UTM Night Run for MAKNA, UTM (10 Oct 2015)

7. Participant: Zombie Run, UTM (20 Nov 2015)
8. Participant: Run for Your Heart, UTM (27 Sep 2014)
9. Participant: IBD Open Day Activities 2015 (20 Dec 2015)
10. First Lieutenant, Pasukan Latihan Pegawai Simpanan TUDM (2007-2015)

REFEREES

Professor IR. Dr. Zainal Ahmad

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Engineering Campus, Universiti Sains Malaysia,
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