

**A. BUTIR-BUTIR PERIBADI (Personal Details)****CURRICULUM VITAE**

Irina binti Harun

Department of Environment

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Email: [irina@upm.edu.my](mailto:irina@upm.edu.my)**B. KELAYAKAN AKADEMIK (Academic Qualification)**

Nama Sijil / Kelayakan (Certificate / Qualification obtained)	Nama Sekolah Institusi (Name of School / Institution)	Tahun (Year obtained)	Bidang pengkhususan (Area of Specialization)
Doctor of Philosophy	Imperial College London	2019	Chemical Engineering
Master of Science	Universiti Kebangsaan Malaysia	2012	Chemical Engineering
Bachelor of Engineering	Universiti Kebangsaan Malaysia	2009	Biochemical Engineering

**D. KEAHLIAN PROFESIONAL**

Organization	Position	Start Date	End Date	Expertise
British Phycological Society	Member	15 October 2018	31 December 2020	Algal Technology

**E. TANGGUNGJAWAB PENGAJARAN DAN PENTADBIRAN SEMASA***(Current teaching and administrative responsibility)*

Majikan / Employer	Jawatan / Designation	Jabatan / Department	Kursus yang diajar/ Course taught	Jam kredit kursus /Course credit hour
Universiti Putra Malaysia	Senior Lecturer	Department of Environment	-	-

**F. PENGALAMAN KERJA***(Employment experience)*

Majikan / Employer	Jawatan / Designation	Jabatan / Department	Tarikh lantikan / Start Date	Tarikh tamat / Date Ended

TNB Research Sdn Bhd	Researcher	Renewable Energy and Green Technology	1 July 2013	31 February 2015	
Nanomalaysia Berhad	Professional Intern	Technology Unit	1 March 2013	30 June 2013	
Universiti Kebangsaan Malaysia	Research Assistant	Chemical and Process Engineering	1 July 2009	31 December 2009	
<b>G. PERSIDANGAN DAN LATIHAN</b> (conference and training)					
Nama persidangan/latihan/ Name of conference/training	Peringkat/Level	Dikendalikan oleh/Organized by	Peranan/Role	Tahun/Year	
2016 AIChE Annual Meeting	International	AIChE	Oral Presenter	2016	
Photofuel Young Researchers Meeting	International	Bielefeld University, Germany	Participant	2016	
<b>H. i) PENGALAMAN PENYELIDIKAN (Research experience)</b>					
Project No.	Project Title	Role	Year	Source of fund	Status
PS9843_CERSE	Biocatalytic solar fuels for sustainable mobility in Europe	Team Member	2015-2019	European Union Horizon 2020	On-going
-	The Engineering of a Continuous Algae-Based Terpenoid Production System	Lead Investigator (PhD Project)	2015-2019	European Union Horizon 2020 & SLAI Scholarship (Malaysia)	Complete
<b>ii) SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)</b>					
Journals	Harun, I., del Rio-Chanona, E. A., Wagner, J. L., Lauersen, K. J., Zhang, D., & Hellgardt, K. (2018). Photocatalytic production of bisabolene from green microalgae mutant: Process analysis and kinetic modelling. <i>Industrial &amp; Engineering Chemistry Research</i> 57:10336- 10344.				
Book Chapter	Kamilah, H., Mahmood, K., Harun, I., Ariffin, F., Sudesh, K. & Alias, K. (2018). Spent Cooking Oil: Perspectives of Biopolymer Production (Book Chapter). <i>Recycled Cooking Oil: Processing and Uses</i> . New York: Nova Science Publisher, 1-32.				
Conference Proceedings	Harun, I., & Hellgardt, K. (2016). Effect of Environmental Factors Towards Patchoulol Production by <i>Chlamydomonas reinhardtii</i> . 2016 AIChE Annual Meeting, San Francisco, USA.				
	Pommella, A., Harun, I., Pouliopoulos, A., Choi, J. J., Hellgardt, K. & Garbin, V. (2015). Direct visualization of microalgae rupture by ultrasound-driven bubbles. 2015 APS Division of Fluid Dynamics (Fall), Massachusetts, USA.				
<b>J. KHIDMAT MASYARAKAT (community services)</b>					
Nama Projek/Project title	Peringkat/Level	Komuniti/communtiy	Peranan/Role	Tahun/Year	