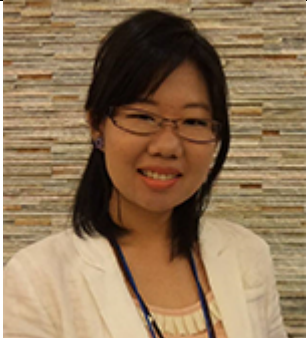


Personal Details					
Name	Foo Su Chem				
Academic Qualification and Job Experiences					
Certificate / Qualification obtained	Area of specialization	Name of School /Date/Result			
Lecturer	Tropical aquatic biology	Monash University Malaysia, Jalan Lagoon Selatan, 46150 Bandar Sunway, Selangor (February 2018 to Date)			
Doctor of Philosophy	Aquatic Biotechnology	Universiti Putra Malaysia	2012 to Jan 2017	First Class Honours CGPA: 4.00	
Bachelor of Science (Honours)	Biology	Universiti Putra Malaysia	2011	First Class Honours CGPA:3.798	
Language Proficiency					
Language	Poor	Moderate	Good	Very good	Excellent
English					√
Bahasa Melayu					√
Mandarin					√
Experiences, hard and soft skills					
Organization	Position	Start Date	End Date	Expertise(s)	
Monash University Malaysia	Lecturer	1 <sup>st</sup> February 2018	Present	I. Microalgae research II. Unit coordinator for BIO3810 (tropical aquatic biology)	
Bournemouth University, United Kingdom	Visiting fellow researcher	21 <sup>st</sup> September 2015	21 <sup>st</sup> July 2016	I. Influence of sub-lethal dosage of hydrogen peroxide on three <i>Microcystis</i> sp. strains with the use of fluorescence probes and flow cytometry on: -the growth -esterase activity -and cell membrane integrity	
Universiti Putra Malaysia	PhD Candidate	1 <sup>st</sup> February 2012	9 <sup>th</sup> January 2017	I. Optimization of fucoxanthin-rich fraction production from tropical diatom, <i>Chaetoceros calcitrans</i> II. <i>In vitro</i> HepG2 cell culture (MTT viability, cell cycle analysis, Annexin V-FITC, gene expression studies).	

				III. Microencapsulation of heat-sensitive bioactives into powders IV. Shelf life studies of active compounds
Universiti Putra Malaysia	Research Assistant	1st July 2011	1st February 2012	I. Microalgae isolation II. Microalgae culture and maintenance III. 120L microalgae mass production for biomass IV. Microalgae growth measurement V. Light and SEM pictures of diatoms and green microalgae VI. Antioxidant assays
Universiti Putra Malaysia	Final year project student	2010	2011	I. Bioassay guided fractionation of river jellyfish, <i>Acromitus hardenbergi</i> II. Antioxidant assays (DPPH•, ABTS•+, FRAP, iron chelating, beta carotene bleaching) assays III. Antimicrobial assay (Disc diffusion assay)

### Honours and awards

Name of award	Award authority	Date	Brief explanation
Best PhD Thesis Award	Director of Institute Bioscience Award	3 <sup>rd</sup> November 2017	Champion among 5 research laboratories.
University Consortium Thesis Grant award	SEARCA (Science and Education for Agriculture and Development) Ref. No. GCS16-2844	13 October 2016	A US\$500 award to cover expenses for preparation of PhD thesis
cLINK mobility Erasmus mundus grant for studies at cLINK partner University, Bournemouth University, United Kingdom European Union (EU) (Ref: 372242-1-2012-1-UKERA MUNDUS EMA21)	The European Union cLINK (Centre of Excellence for learning, innovation, networking and knowledge project)	September 2015- July 2016	Visiting researcher
Young Scientist Travel grant to Nha Trang, Vietnam	IOC Sub-Commission for the Western Pacific (WESTPAC)	22 <sup>nd</sup> -25 <sup>th</sup> April 2014	Poster presenter
Kanazawa Fellowship Grant and Travel Award to Yeosu, South Korea	The Asian Fisheries Society	30 <sup>th</sup> April- 4 <sup>th</sup> May 2013	A 2 year research grant awarded to young and highly potential PhD students.
Travel award to Bio-Asia 2012 4 <sup>th</sup> Regional Seminar to Beijing, China	Chinese Academy of	5 <sup>th</sup> -7 <sup>th</sup> November 2012	Poster presenter

	Sciences, China			
Ministry of Higher Education: MyPhD (MyBrain15)	The Malaysian Government	2012-2016	A PhD level education funding by the Malaysian government	
Malaysian Government Undergraduate Scholarship (JPA-PIDN)	The Malaysian Government	2008-2011	JPA-PIDN is a scholarship offered by the government to local students with excellent results	
<b>Teaching responsibilities</b>				
Unit	Topic	Role	Year	
BIO3810	Tropical Aquatic Biology	Unit coordinator	Semester 1 2018	
ENV2726	Ecosystem and bioresources	Co-teaching	Semester 2 2018	
SCI1800	Sustainability planet	Unit coordinator	Summer semester, 2018	
<b>Current and Past Research projects involved</b>				
Title of Research	Source of fund	Amount (RM)	Dates	Contributions/ Output
Sustainability community grant scheme (Principal Investigator)	Campus research management, Monash University Malaysia	250,000.00	September 2018- September 2020	On-going
TMB Seed Funding (Principal Investigator)	Tropical medicine and biology platform, Monash University Malaysia	8000.00	July 2018- August 2019	On-going
Teaching and Learning grant (Principal Investigator)	Education Excellence, Monash University Malaysia	20,000.00	August 2018- December 2019	On-going
Animal immunogenomics: subproject Adaptive Response to Physiological Stressors to Induce Resistance in fish to disease with Maternal Immune Response	Higher Institution Centre of Excellence (HICoE), MOHE	4.5 million	2010-2012	Journal paper
Exploring the potentials of indigenous jellyfishes as a blooming source of high quality proteins	Fundamental Research Grant Scheme (FRGS)	98,500	March 2011- December 2013.	Journal paper
<b>Attended Scientific seminars, Workshop and Trainings (Chronologically ordered)</b>				
<ol style="list-style-type: none"> <li>1. European Commission (Erasmus mundus) mini-workshop. 8 December 2015. D234 Dorset House, Bournemouth University, Dorset, United Kingdom. Oral presentation.</li> <li>2. The 2016 BD Accuri™ User Meeting (Flow cytometry skills workshop). 16 March 2016. Danby Road, Oxford Science Park, Oxford, United Kingdom. Participant</li> </ol>				

3. Protistology-UK 2016. 6<sup>th</sup>-8<sup>th</sup> April 2016. The Executive Business Centre, Bournemouth University, Holdenhurst Road, BH8 8EB, United Kingdom (Organizing committee in charge of printing name badges, welcome booth)
4. European Commission (Erasmus mundus) 2<sup>nd</sup> project mini-workshop. 29<sup>th</sup> April 2016. P302, Poole House, Bournemouth University, United Kingdom. Oral Presentation.
5. Summer 2016 Writing Academy. 6<sup>th</sup>-8<sup>th</sup> June 2016. Bournemouth High Cliff Marriott Hotel, BH2 5DU, United Kingdom.
6. The British Phycological Society's Annual Meeting. 22<sup>nd</sup>-24<sup>th</sup> June 2016. Kimmeridge House, Talbot Campus, Bournemouth University, United Kingdom (Organizing committee).
7. 6<sup>th</sup> UK Algae conference. 7<sup>th</sup> July 2016. The Diamond, Sheffield University, United Kingdom (Flash poster presentation and poster contribution).

#### Extra-curricular and Passionate activities

1. World Ocean's Day (Malaysia Nature Society Marine). 10<sup>th</sup> August 2018. Boulevard@Solaris, Mont Kiara. Poster contributor
2. Make a difference (MAD) environment day at Kingston lacy. 4 October 2015. Students' Union Bournemouth University (SUBU), United Kingdom. Volunteer.
3. Postgraduate Multicultural day at The Retreat, Bournemouth University. 27<sup>th</sup> April 2016. Participant.
4. Green Impact (Environmental movement) at Corfe House, Unite Students, Poole across the 2015/2016 academic year. Consultant/Volunteer.
5. 'Shadow-a-researcher' laboratory outreach program, Institute of Bioscience, Universiti Putra Malaysia. 2016/2017 academic year. Chairman and Program Coordinator

#### Publications

- Foo, S. C., Yusoff, F. M., Ismail, M., Basri, M., Khong, N. M. H., Chan, K. W., & Yau, S. K. (2015a). Efficient solvent extraction of antioxidant-rich extract from a tropical diatom, *Chaetoceros calcitrans* (Paulsen) Takano 1968. *Asian Pacific Journal of Tropical Biomedicine*, 5(10), 796-801.
- Foo, S. C., Yusoff, F. M., Ismail, M., Basri, M., Yau, S. K., Khong, N. M. H., & Chan, K. W. (2015b). Production of fucoxanthin-rich fraction (FxRF) from a diatom, *Chaetoceros calcitrans* (Paulsen) Takano 1968. *Algal Research*, 12, 26-32.
- Foo, S. C., Yusoff, F.M., Ismail, M., Basri, M., Yau, S.K., Khong, N.M.H., Chan, K.W. 2017. Antioxidant capacities of fucoxanthin-producing algae as influenced by their carotenoid and phenolic contents. *Journal of Biotechnology* 241: 175-813.
- Foo, S. C., Yusoff, F.M., Ismail, M., Basri, M., Yau, S.K., Khong, N.M.H., Chan, K.W. 2017. HPLC fucoxanthin profiles of a microalga, a macroalga and a pure fucoxanthin standard. *Data In Brief* 10: 583-586.
- Yau, S.K., Yusoff, F.M., Khong, N.M.H., Foo, S.C., Lai, J.I. 2016. Improved pre-treatment protocol for scanning electron microscopy coupled with energy dispersive X-ray spectroscopy analysis of selected tropical microalgae. *Pertanika Journal of Tropical Agricultural Science* 39 (3), 321-342