

CURRICULUM VITAE



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

<i>Nama Penuh (Full Name)</i>	Khairul Nizam Bin Mohamed @ Mohd Ramli	<i>Gelaran (Title):Dr.</i>
<i>No. MyKad / No. Pasport (Mykad No. / Passport No.)</i>	<i>Warganegara (Citizenship)</i> Malaysian	<i>Bangsa (Race)</i> Malay
		<i>Jantina (Gender)</i> Male
<i>Jawatan (Designation)</i>	Senior Lecturer	<i>Tarikh Lahir (Date of Birth)</i>

<i>Alamat Semasa (Current Address)</i>	<i>Jabatan/Fakulti (Department/Faculty)</i>	<i>E-mel dan URL (E-mail Address and URL)</i>
	Dept. of Environmental Sciences, Faculty of Environmental Studies, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor Tel: 03-89468025 Fax: 03-89438109	E-mail: khairul@env.upm.edu.my URL: -

B. KELAYAKAN AKADEMIK (*Academic Qualification*)

<i>Nama Sijil / Kelayakan (Certificate / Qualification obtained)</i>	<i>Nama Sekolah Institusi (Name of School / Institution)</i>	<i>Tahun (Year obtained)</i>	<i>Bidang pengkhususan (Area of Specialization)</i>
Ph.D	University of Southampton, UK	2012	Ocean & Earth Science
MSc	Universiti Kebangsaan Malaysia	2005	Radiochemistry Marine
BSc	Universiti Kebangsaan Malaysia	2002	Marine Science

C. KEMAHIRAN BAHASA (Language Proficiency)					
Bahasa / Language	Lemah Poor (1)	Sederhana Moderate (2)	Baik Good (3)	Amat Baik Very good (4)	Cemerlang Excellent (5)
English				√	
Bahasa Melayu					√

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN (Scientific experience and Specialisation)				
Organization	Position	Start Date	End Date	Expertise
1. Challenger Society for Marine Science, United Kingdom	Researcher	April 2009	Present	Iron speciation
2. British Ocean Data Centre (BODC)	Researcher	Jan. 2009	Dec. 2011	Iron speciation
3. National Oceanography Centre Southampton, United Kingdom	Researcher	Jan. 2008	Dec. 2011	Ocean Biogeochemistry
4. Maritime Institute of Malaysia	Research Assistant	Sept. 2005	Jun 2006	Ocean Biogeochemistry
5. Universiti Kebangsaan Malaysia	Research Assistant	Sept. 2004	Aug. 2005	Ocean Radiochemistry

E. PEKERJAAN (Employment)				
Majikan / Employer	Jawatan / Designation	Jabatan / Department	Tarikh lantikan / Start Date	Tarikh tamat / Date Ended
Universiti Putra Malaysia	Senior Lecturer	Dept. of Environmental Science, Faculty of Environmental Studies.	12 Jan 2012	Present
Universiti Putra Malaysia	Tutor	Dept. of Environmental Science, Faculty of Environmental Studies.	Jun 2007	Feb. 2012
Universiti Kebangsaan Malaysia	Science Officer	Faculty of Science and Technology	Dec. 2005	Mei 2007
Maritime Institute of Malaysia	Research Assistant	Department of Coastal Ocean	Sept. 2005	Jun. 2006

F. ANUGERAH DAN HADIAH (Honours and Awards)				
Name of awards	Title	Award Authority	Award Type	Year
Travel Grant	WESTPAC Young Scientists Travel Grant	International Scientific Steering Committee and the National Organizing Committee WESPACT	International	2014

<i>Research Grant</i>	Fundamental Research Grant Scheme (FRGS)	Ministry of Higher Education	National	2014-2017
	Geran Universiti Putra Malaysia (GP-IPM) 2014	UPM	University	2014-2016
	Geran Putra Berkumpulan (GP-IPB) 2013	UPM	University	2013-2015
	Fundamental Research Grant Scheme (FRGS)	Ministry of Higher Education	National	2013-2015
	RUGS 2-2012	UPM	University	2012-2014
	SLAI Scheme (Fellowship)	Ministry of Higher Education (MOHE), Malaysia	International	2008-2011
	IRPA Scheme (Fellowship)	Ministry Of Science, Technology and Innovation (MOSTI), Malaysia	National	2003-2005

G. 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)

<i>Journal</i>	<ol style="list-style-type: none"> 1. Nur Imanina and Khairul Nizam Mohamed (2016) Determination of natural organic Fe(III) binding ligands in Perhentian Island, Terengganu. In-house Seminar of The Chemical Oceanography Laboratory, Issue 1, Vol.IV , 7-13 (ISSN: 0127-9629). 2. Edrianna Godon and Khairul Nizam Mohamed (2016) Distribution of Dissolved Fe, Al and Cu at Perhentian Island, Terengganu. In-house Seminar of The Chemical Oceanography Laboratory, Issue 1, Vol. II, 12-18 (ISSN: 0127-9629). 3. Khairul Nizam Mohamed, Nurafifahsakinah Rosli, Siti Aishah Bohari and Mohamad Rahimi Ismail (2016) Fractionation of Mn, Fe and Cu in seawater at Port Dickson, Negeri Sembilan. In-house Seminar of The Chemical Oceanography Laboratory (The First Quarter) Volume I, Issue 1, 3/2016, 6-11 (ISBN-978-967-0829-22-7) 4. Khairul Nizam Mohamed, Michelle See Yen May and Norazma Zainuddin (2015) Water Quality Assessment of Marine Park Islands in Johor, Malaysia. Bulletin of Environmental Science and Management, Vol. 2, No 3, 19-27 5. Khairul Nizam Mohamed and Rahanim Amil (2015). Nutrients enrichment experiment on seawater samples at Pulau Perhentian, Terengganu. Procedia Environmental Sciences 30, 262 – 267 (doi: 10.1016/j.proenv.2015.10.047) 6. Khairul Nizam Mohamed and Martha Gledhill (2015). Determination of specific iron chelator by using LC-ICP-MS and LC-ESI-MS, Procedia Environmental Sciences 30, 256 – 261 (doi: 10.1016/j.proenv.2015.10.046) 7. Martha Gledhill, Eric P. Achterberg, Keqiang Li, Khairul N. Mohamed and Micha Rijkenberg. (2015) Influence of ocean acidification on the complexation of iron and copper by organic ligands, Marine Chemistry 177, 421-433. 8. Khairul Nizam Mohamed (2014) Heavy Metals Distribution in Seabed Sediment at Golok Central and Golok Barat Gas Fields, Sarawak. Bulletin of Environmental Science and Management, Vol. 2, No 2, 48-52 9. Mohamed, K. N., Steigenberger, S., Nielsdottir, Maria C., Gledhill, Martha and Achterberg, Eric P. (2011) Dissolved iron(III) speciation in the high latitude North Atlantic Ocean. Deep Sea Research Part I Oceanographic Research Papers, 58, (11), 1049-1059. (doi:10.1016/j.dsr.2011.08.011).
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	<ol style="list-style-type: none"> 1. Wan Lutfi Wan Johari, Faradiella Mohd Kusin, Khairul Nizam Mohamed and Zulfa Hanan Ash'aari (2014). <i>Water Quality and Waste Management</i>. Penerbit Universiti Putra Malaysia, UPM Serdang (ISBN 978-967-344-324-6)
<i>Chapter in book</i>	
<i>Proceedings</i>	<ol style="list-style-type: none"> 1. Khairul N. Mohamed and Rahanim Amil (2014). Influence of reducing ocean pH on Fe bioavailability. Ninth WESTPAC International Scientific Symposium. <i>Healthy Ocean for Prosperity in the Western Pacific: scientific challenges and possible solutions</i> 22-25 April 2014, Nha Trang, Vietnam 2. Mohamad Faiz Zainuddin, Zulkifly Abbas, Khairul Nizam Mohamed, Wan Mahmood Mat Yunus, Hurul Huda Osman (2013) Theoretical Analysis of a Monopole Sensor for Rapid <i>in-situ</i> Water Quality Assessment. International Environmental Forensic Conference. 13 – 14 November 2013. Marriott Putrajaya. 3. Khairul N. Mohamed, M. Gledhill and Eric. P. Achterberg (2013). Determination of iron speciation in the seawater samples. The 12th International UMT Annual Symposium (UMTAS2013). 8– 10 October. 2013 Permai Hotel, Kuala Terengganu, Malaysia. 4. Mohamed, K. N., Martha Gledhill, Achterberg, Eric P. (2011) Determination of dissolved siderophores in the high latitude North Atlantic Ocean. <i>"Marine Biogeochemistry: Observations from near and far" Marine Biogeochemistry Forum and Marine Optics Group, Challenger Society for Marine Science</i>. University of Portsmouth, 7 - Friday 9 September 2011. 5. Mohamed, K. N., Martha Gledhill, Achterberg, Eric P. (2010) Determination and identification of siderophore type chelates. "Ocean challenges in the 21st century" meeting 2010. National Oceanography Centre, Southampton, 6 - 9 September 2010. 6. Mohamed, C. A. R., Theng, T. L., Tee Lee Theng, Mohamed, K. N. & Ahmad, Z. <i>²¹⁰Po and ²¹⁰Pb in the Edible Fish Tissue caught at Kuala Selangor, Malaysia</i>. Second Regional Symposium on Environment and Natural Resources. Natural Resource Utilization and Environmental Preservation: Issues and Challenges. 22nd -23rd March 2005, Pan Pacific Hotel, Kuala Lumpur, Malaysia 7. Mohamed, K. N. & Mohamed, C.A.R. <i>Origin of authigenic uranium in the sediments at Selangor River, Malaysia</i>. The 1st Join Seminar on Coastal Oceanography, Chaing Mai, Bangkok, Thailand, 2 April 2003. Pg: 256-258.
<i>Seminar and Conference Presented</i>	<ol style="list-style-type: none"> 1. Khairul Nizam Mohamed, Rahanim Amil and Nur Aklili Adelan @ Adnan (2015). Influence of Northeast Monsoon on Dissolved Nutrients at Pulau Perhentian, Terengganu. Nutrients enrichment experiment on seawater samples at Pulau Perhentian, Terengganu. National Seminar on the South China Sea and Straits of Malacca on 1 and 2 November 2015. Institute of Oceanography and Environment (INOS), Universiti Malaysia Terengganu. 2. Khairul Nizam Mohamed and Rahanim Amil (2015). Nutrients enrichment experiment on seawater samples at Pulau Perhentian, Terengganu. International Conference on Environmental Forensics 2015 (iENFORCE2015). 19-20 August 2015. Putrajaya Marriot Hotel, Kuala Lumpur, Malaysia. 3. Khairul Nizam Mohamed and Martha Gledhill (2015). Determination of specific iron chelator by using LC-ICP-MS and LC-ESI-MS, International Conference on Environmental Forensics 2015 (iENFORCE2015). 19-20 August 2015. Putrajaya Marriot Hotel, Kuala Lumpur, Malaysia. 4. Khairul N. Mohamed, Nurul Emilia bt Abd Karim and Samsiah Deraman (2013). Trends of heavy metals distribution in seabed sediment at Golok Central and Golok Barat gas fields, Sarawak. The Sixth International Workshop on the Fluvial Sediment Supply to the South China Sea. 25-29 November 2013. Universiti

	<p>Kebangsaan Malaysia (UKM), Selangor.</p> <ol style="list-style-type: none"> Mohamed, K. N. & Mohamed, C.A.R. Activity of Uranium and $^{234}\text{U}/^{238}\text{U}$ ratio along Selangor River, Selangor. The Fourth Post-graduate Colloquium, 26-27th April 2004, Faculty of Science and Technology, Universiti Kebangsaan Malaysia. Pg: 286-289. Mohamed, K. N. & Mohamed, C.A.R. Authigenic uranium in the sediments at Selangor river, Malaysia. KUSTEM Third Annual Seminar, Kuala Terengganu, Terengganu, Malaysia, 21 Jun 2003. Mohamed, K. N. & Mohamed, C.A.R. Activity ratio of $^{234}\text{U}/^{238}\text{U}$ in the total suspended solid at Kuala Selangor. Symposium of Chemistry Analysis 16 (SKAM-16). 9-11th September 2003, Holiday Inn Resort, Damai Lagoon, Kuching, Sarawak. Malaysia. Mohamed, K. N. & Mohamed, C.A.R. Profile of Zn, Cd and Pb at Pulau Perhentian, Besut, Terengganu. Symposium of Chemistry Analysis 15 and EXPERTS 2002. 10-12th September 2002, Bayview Beach Resort Pulau Pinang. Malaysia.
<i>Other publications</i>	<ol style="list-style-type: none"> Iron Speciation Study in the High Latitude North Atlantic Ocean (PhD) Fluctuation Activities of ^{234}U, ^{238}U and $^{234}\text{U}/^{238}\text{U}$ in Coastal Area of Kuala Selangor, Selangor. (Master) Determination of Fe^{2+}, Zn^{2+}, Cd^{2+} and Pb^{2+} in the seawater by using Voltammetry Method. (First Degree)
<i>Cruises</i>	<ol style="list-style-type: none"> National Demersal Fish Resource Survey MV SEAFDEC 2 (July – October 2015) RRS <i>Discovery</i> D354 (August-September 2010) RRS <i>Discovery</i> D340 (Jun 2009) RRS <i>Discovery</i> D328 (April 2008) <p>RRS Discovery link: http://www.classroomatsea.net/D354/</p>
<i>Contribution</i>	<ol style="list-style-type: none"> The speciation intercomparison data for the ASLO meeting, February 2010. GEOTRACES intercalibration cruise data (Fe speciation) 2008 and 2009. Iron speciation data 2009 for British Ocean Data Centre (BODC)
<i>Computer software</i>	SPSS software, Microsoft office, ODV, Sigma Plot

H. PROJEK PENYELIDIKAN (Research Project)					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
07-02-14-1533FR	Effect of seasonal northeast monsoon on phytoplankton bloom at Pulau Perhentian, Terengganu: In case of iron bioavailability	Principal Investigator	2014-2017	Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education (RM 98,000)	On-going
GP-IPM/2014/9435200	Removal of toxic iron (Fe) ion by spent coffee grounds	Principal Investigator	2014-2016	Geran Universiti Putra Malaysia 2014 (GP-IPM) (RM40,700)	On-going
GP-IPB/2013/	Characterization and degradation potentials of	Principal Investigator	2013 - 2015	Geran Universiti	On-going

9412401	petroleum hydrocarbons degraders from stranded crude oil and tar balls using endemic bacteria			Putra Malaysia 2014 (GP-IPB) (RM113,000)	
FRGS/1/2 013/STW N01/UPM/02/2	Characterization of Emerging Disinfection Byproducts (DBPs) in Water Formed by Halogenation of an Endocrine Disruptor Chemical (EDC)	Co-Researcher	2013-2015	Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education (RM 93,000)	Completed
03-02-12-1742RU	Influence of reducing ocean pH on iron and copper speciation	Principal Investigator	2012-2014	University Putra Malaysia (RM 30,000)	Completed
SLAI-2008	Iron Speciation Study in the High Latitude North Atlantic Ocean	Principal Investigator	2008-2011	Ministry of Higher Education Malaysia (MOHE), Malaysia	Completed
09-02-02-0045-EA141	Fluctuation Activities of ^{234}U , ^{238}U and $^{234}\text{U}/^{238}\text{U}$ in Coastal Area of Kuala Selangor, Selangor.	Principal Investigator	2002-2004	Ministry Of Science, Technology and Innovation (MOSTI), Malaysia	Completed