

CURRICULUM VITAE



CAROLYN MELISSA PAYUS

SCHOOL OF SCIENCE & TECHNOLOGY
UNIVERSITI MALAYSIA SABAH
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PERSONAL PARTICULAR

Date of Birth	:	6 Dec 1979
Age	:	33 years
Gender	:	Female
Marital Status	:	Married
Race	:	Sino Kadazan
Religion	:	Christian
Place of Birth	:	Sabah
Nationality	:	Malaysian
Language	:	Malay, English (IELTS: 8.5)
Research Interest	:	Environmental Science & Management, Air Quality & Pollution, Water Resource, Water Quality, Modeling & Forecasting

EDUCATION

- 1999 - 2001 : Universiti Kebangsaan Malaysia (UKM)
Bangi, Selangor
Masters in Science (Environment)
- 2001 - 2003 : Universiti Kebangsaan Malaysia (UKM)
Bangi, Selangor
Bachelor of Science with Honor (Environmental Science)

WORKING EXPERIENCE

- Dec 2005 - Now : Lecturer
School of Science & Technology
Universiti Malaysia Sabah
- April 2004 – Nov 2005 : Lecturer
Faculty Science & Technology
Universiti Technology MARA
- Sept 2003 – March 2004 : Environmental Officer and Enforcement (Consultant)
Lankayan Island Resort (Sugud Marine Conservation Area)

COURSES TAUGHT

- | | |
|--------------------------------------|-----------------------------------|
| Fundamental of Environmental Science | Final Year Research Project 1 & 2 |
| Environmental Statistics | Biodiversity of Animal |
| Environment & Resources Management | Environmental Law |
| Biochemistry | Industrial Training |

RESEARCH EXPERIENCE

- Mac 2013 : Head of Project
Characterization of Drinking Water Quality (Biological and Chemical Contaminations) for Sabah Kampong Community
UMS-Research Grant

July 2011 : Co-Researcher
Vulnerability of Ozone Pollution
LRGS-UKM

PROFESSIONAL MEMBERSHIP

International Society for Environmental Information Sciences
IEEE Society Membership

PUBLICATION

Payus, C.M., Norela, S. & Azuraliza, A.A., 2012 Influence of air quality towards the extreme rainfall events: rough set theory. *International Journal of Engineering Research and Applications*, 544-550. ISSN: 2248-9622.

Payus, C.M., Norela, S. & Azuraliza, A.A. 2012. Intelligent haze modeling and forecasting in Malaysia. *Journal of Advanced Environmental Monitoring and Modeling*. ISSN: 1573-2959.

Muhammad Rizal, M., Payus, C.M. & Jamaluddin Jahi. 2009. Kawalan pencemaran sungai dalam melindungi ekologi dan habitat manusia: tinjauan perundangan di Malaysia. *International Journal of the Malay World and Civilisation*. 227-240. ISSN: 0127-2721.

Dezviou, D.D., Farrah Anis, F.F., Mohd Azhar, M.T. & Payus, C.M. 2012. Land use and land cover change on sediment contribution of Sungai Padas, Beaufort Sabah using remote sensing and GIS applications. Proceeding 10th Seminar Science and Technology 2012.

Payus, C.M., Norela, S. & Azuraliza, A.A. 2012. Kesan suhu ke atas paras ozon dalam kawasan bandar beriklim tropika. Proceeding 12th UKM Postgraduate Colloquim 2012.

Payus, C.M., Ahmad Norazhar, M.Y. & Farrah Anis, F.F. 2012 Climate change and dengue. UMS Research and Innovation Competition PEREKA 2012 Proceeding.

Payus, C.M. & Frank, F. 2011. Estimation of air pollution parameter using artificial neural network. *Journal of Environmental Informatics*, 33:241-250.

Payus, C.M. & Ulrich, O. 2010. Assessment of micro pollutant impact Bisphenol, Atrazine and Simazine on urban groundwater. *Journal of Environmental Monitoring and Pollution*, 73:566-573.

Payus, C.M. & Geraldine, K. 2009. Distribution of heavy metal contaminations in a drainage system. *International Journal of Environmental Pollution*, 23:31-50

Payus, C.M. & Maimon, A. 2007. Heavy metal concentrations in fishc tissues from constructed wetland treatment (multicell system) in Putrajaya. *Borneo Science Journal*, 20:21-30

Payus, C. & Frank F.F. 2010. Artificial neural network estimation of carbon dioxide emission based on economic variable. In proceeding of 5th International Conference of Environmental Studies, 12-16 July 2010, Hilton Hotel, Berlin, German. p387.

Payus, C.M. & Maimon, A. 2008. Heavy metals treatment using constructed wetland in Putrajaya. In proceeding of International Seminar on Wetlands and Sustainability 2007, 4-6 September 2007, Putri Pan Pacific Hotel, Johor Bahru, Malaysia. p68.

Payus, C.M. & Maimon, A. 2007. Efficiency of constructed water treatment in landfill leachate. In Proceeding of 3rd International Conference on Environmental Science and Technology, Busan, Korea. p718.

Payus, C. M., Piakong, M.T. & Mohd Harun Abdullah. 2007. Efficiency of constructed water treatment in landfill leachate. In proceeding of 3rd International Conference on Environmental Science and Technology, 6-9 August 2007, Wyndham Greenspoint Hotel, Houston, Texas, USA. p35.

Payus, C.M. & Muhammad Rizal, M. 2006. The tort's law approach to inland water pollution control: Malaysian legal perspectives. In proceeding of 5th Seminar and Workshop on Science & Technology, 13-15 September 2006, Kudat Marina Golf & Resort, Sabah, Malaysia. p12.

Payus, C.M. & Muhammad Rizal, M. 2006. Weaknesses and constraints of legality and institutional aspects on inland water pollution in Malaysia. In proceeding of 2nd Southeast Asian Natural Resources and Environmental Management Conference (SANREM 2006), 21-23 November 2006, Le Meridien Hotel, Kota Kinabalu, Sabah, Malaysia. p51.

Payus, C.M. & Muhammad Rizal, M. 2003. Perundangan alam sekitar kawalan pencemaran air dan pentadbirannya terhadap Lembangan Sungai Langat. In proceeding of Seminar Kebangsaan Pengurusan Persekitaran 2003, 8-9 July 2003, Universiti Kebangsaan Malaysia, Bangi. p376.