



CURRICULUM VITAE (UPDATED ON FEBRUARY 2012)

SECTION 1 : PERSONAL AND SERVICE PARTICULAR

Name : Professor Dr. Abdul Ghapor Bin Hussin
Position : Professor
Administrative Post :
Department : Department of Mathematics
Faculty : Centre for Defence Foundation Studies
Nationality : Malaysia
Gender : Male
Race : Malay
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SECTION 2 : ACADEMIC QUALIFICATIONS OBTAINED

No	Qualification	Field of Study	Date	Institution
1	Doctoral Degree (PhD)	Statistics	31-03-1998	UNIVERSITY OF SHEFFIELD, UK
2	Masters Degree (MSc)	Statistics	13-12-1988	UNIVERSITY OF LEEDS, UK
3	Bachelor Degree (BSc Hons)	Mathematical Sciences	10-08-1985	UNIVERSITY OF MALAYA, KUALA LUMPUR

SECTION 3 : CAREER HISTORY

Employment	Organisation	Start and End Date
Professor, National Defence University of Malaysia (25.01.2012 – Present)		
Associate Professor, University of Malaya (18.11.1999 – 24.01.2012)		
Lecturer, University of Malaya (14.12.1988 – 17.11.1999)		
Tutor, University of Malaya (10.09.1985 – 13.12.1988)		

SECTION 4 : ADMINISTRATIVE DUTIES

No	Role	Level(Department, Faculty)	Started Date	Ended Date
1	Division Chairman	Mathematics Division, Centre For Foundation Studies In Science, UM	Aug-2011	Jan-2012
2	Deputy Director	Centre for Foundation Studies in Science, UM	Sep-2007	Aug-2009
3	Board Member, MSc in Maths and Education at Faculty of Science	University of Malaya	Jan-2006	Dec-2006
4	Internal Auditor / Lead Auditor	University of Malaya	Jul-2002	May-2007
5	Division Chairman	Mathematics Division, Centre for Foundation Studies in Science, UM	Mar-2002	Sept-2007
6	Coordinator, Foundation Studies in Science Program at YPM College, Kuantan	University of Malaya	Jan-1998	Sep-1999
7	Committee, UM Academic Staff Association	University of Malaya	Jul-1993	Jul-1994
8	Coordinator Computing Courses	Mathematics Division, Centre for Foundation Studies in Science, UM	Apr-1988	Mar-2002

SECTION 5 : AREAS OF SPECIALIZATION

No	Main Areas	Sub Areas	Area (Specialization)
1	Mathematical Sciences	Statistics	Directional / circular Statistics, Error in Variables Models (EIVM)

SECTION 6 : TEACHING

Post Graduate

No	Course Title
1	DISCRIT DATA ANALYSIS

First Degree

No	Course Title
1	REGRESSION ANALYSIS II
2	STATISTICS
3	REGRESSION ANALYSIS
4	STATISTICS & OPERATIONAL RESEARCH
5	SAMPLING DISTRIBUTION AND HYPOTHESIS TESTING
6	STATISTICAL METHOD
7	ENGINEERING STATISTICS

Pre-Degree

No	Course Title
1	MATHEMATICS I
2	ALGEBRA & CALCULUS
3	ALGEBRA & GEOMETRY
4	CALCULUS
5	MATHEMATICS II
6	STATISTICS AND PROBABILITY

SECTION 7 : SUPERVISIONS

Post Graduate (Completed)

No	Name of Candidate	Field of Research/ Title of thesis	Date of Registration	Name of Degree	Year of Completion
1	Fam Pei Shan	The analysis of categorical data,	NOV-2006	PhD in Statistics	2011
2	Ali H M Abu Zaid	Some outlier problems in circular data	JUL-2007	PhD in Statistics	2009
3	Fakhrulrozi Hussain	Development of graphical analysis of wind data	JUL-2007	MSc in Statistics	2009
4	Siti Fatimah Hassan	Development of simultaneous linear circular functional relationship model and analysis of missing values	MAY-2008	MSc in Statistics	2010

5	Nur Arina Basilah Bt. Kamisan	Statistical distributions of Malaysian wind and direction	JUN-2008	MSc in Statistics	2010
6	Sow Khai Shen	Numerical simulation of a tropical squall line system over peninsular Malaysia	JUL-2008	Sarjana Sains	2010
7	Adzhar Rambli	Outlier detection in circular data and circular-circular regression model,	NOV-2009	MSc in Statistics	2011

Post Graduate (Ongoing)

No	Name of Candidate	Field of Research/Title of thesis	Date of Registration	Name of Degree	Due to be Completed
1	Maisarah Yusof	Development of a statistical downscale model for projecting Northeast monsoon rainfall over Malaysia	JUL-2008	Sarjana Sains	
2	Safwati Ibrahim	Robust estimation in circular regression	DEC-2009	PhD in Statistics	2012
3	Siti Fatimah Hassan	Robust statistics in functional relationship model and analysis of missing values for circular variables.	SEP-2010	PhD in Statistics	2013
4	Nur Arina Basilah Bt Kamisan	New hybrid model for forecasting Malaysian hourly load data	DEC-2010	PhD in Statistics	2013
5	Siti Zanariah Satari	Handling missing values in circular regression model and circular functional relationship model	SEPT- 2011	Phd in Statistics	2014
6	Abu Sayed Md Al Mamun	Robust statistics in structural relationship model	SEPT- 2011	PhD in Statistics	2014
7	Adzhar Rambli	Some problem in directional statistics		PhD in Statistics	

SECTION 8 : RESEARCH PROJECTS

Research Project : Completed

No	Title	Source and Amount of Financial Assistance	Start	End	Role
1	Web based online application for Arabic JQAF teacher self improvement using hybrid fuzzy support vector machine algorithm focusing on reading and writing module.	MOSTI (RM 95,500)	2008	2010	Principal Investigator(PI)
2	Investigation of Maritime Weather System and Development of High resolution Rainfall Prediction System in Malaysia Regions Based on the PSU/NCAR 5th Generation Mesoscale Model.	MOSTI (RM 134,000)	2007	2009	Co-Investigator

3	Statistical modeling for Malaysian wind direction data.	UM (RM 35,000)	2007	2009	Principal Investigator(PI)
4	Development of the diagrammatical representation and statistical model for Malaysian meteorological data.	UM (RM 75,000)	2007	2008	Principal Investigator(PI)
5	Statistical modeling for wind and wave direction data.	UM (RM 7,000)	2004	2006	Principal Investigator(PI)
6	Statistical relationship model for wind and wave direction data.	UM (RM 2,000)	2003	2004	Principal Investigator(PI)
7	A more comprehensive study of the functional relationship model.	UM (RM 2,500)	1999	2003	Co-Investigator
8	Impact of the new curriculum for secondary school.	UM (RM 36,000)	1991	1994	Co-Investigator
9	Monitoring error/mistake patterns among science students under new curriculum for secondary school and pre-U.	UM (RM 20,000)	1990	1992	Co-Investigator

Research Project : Ongoing

No	Title	Source and Amount of Financial Assistance	Start	End	Role
1	The study of solar irradiance performance on photovoltaic system using polynomial regression model.	RM 91,000 (FRGS)	2011	2013	Co-Investigator
2	Robust estimation in regression and functional relationship model for circular variables.	RM 48,000 (FRGS)	2010	2012	Principal Investigator(PI)
3	Development of diagnostic tools for circular regression and circular functional relationship model	RM 138,94870 (UMRG)	2009	2012	Principal Investigator(PI)

SECTION 9 :CONSULTANCY PROJECT

Activities as Consultant

No	Name of Project (if applicable)	Role	Organisation	Start Date	End Date
1	Establish Pre-U programme for University Al Bukhory.	Coordinator	University Al Bukhory	2006	2006
2	Establish various Diploma Program at Institut Kemajuan Iktisas Pahang.	Co-Researcher	IKIP	1999	2000
3	Science Transformation and Enhancement Program.	Co-Researcher	Kolej YPM, Kuantan	1998	1999

SECTION 10 : LIST OF PUBLICATIONS

Book

No	Publications
1.	Abdul Ghapor, Rohayatimah & Yong Zulina. 2009. Mathematics 1 for Special Preparatory Program to Japan. University of Malaya Press.
2.	Amran, Fadzilah, S. Latifah, Asma, Yong Zulina, M. Sapiyan, A. Ghapor & Zazli. 1994. Matematik Tulen Pra Universiti, Edisi 2, Penerbit Fajar Bakti.
3.	Amran, Fadzilah, S. Latifah, Asma, Yong Zulina, M. Sapiyan, A. Ghapor & Zazli. 1993. Matematik Tulen Pra Universiti, Edisi 1, Penerbit Fajar Bakti.

Academic Journals

No	Publications
1.	Adzhar Rambli, Ibrahim Mohamed, Abdul Ghapor Hussin & Safwaty Ibrahim. On discordance test for the wrapped normal data. Sains Malaysiana, (Accepted for publication, 2012). <i>(ISI-Cited Publication)</i>
2.	S.F.Hassan, A.G.Hussin and Y.Z.Zubairi. Improved efficient approximation of concentration parameter and confidence interval for circular distribution. SCIENCEASIA, (Accepted for publication, 2011). <i>(ISI-Cited Publication)</i>
3.	ABDUL GHAPOR HUSSIN, ALI ABUZAID & IBRAHIM MOHAMED. Detection of outliers in the unreplicated linear circular functional relationship model via complex form. Pakistan Journal of Statistics, (Accepted for publication, 2011). <i>(ISI-Cited Publication)</i>
4.	Wan Ahmad Ardie, Khai Shen Sow, Fredolin T. Tangang, Abdul Ghapor Hussin, Mastura Mahmud and Liew Juneng. The performance of different cumulus parameterization schemes in simulating the 2006/2007 Southern Peninsular Malaysia heavy rainfall episodes. Journal of Earth System Science (Accepted for publication, 2011). <i>(ISI-Cited Publication)</i>
5.	Abuzaid, A. H., Hussin, A. G. Rambli, A. & Mohamed, I. B. Statistic for a new test of discordance in circular data. Communication in Statistics - Simulation and Computation, (Accepted for publication, 2011). <i>(ISI-Cited Publication)</i>
6.	I.B.MOHAMED, M.I.ISMAIL, M.S.YAHYA, A.G.HUSSIN, N.MOHAMED, A.ZAHARIM, M.S.ZAINOL. 2011. Improvement on the innovational outlier detection procedure in a bilinear model. Sains Malaysiana, 40(2): 167 - 172. <i>(ISI-Cited Publication)</i>
7.	F.Hussain, Y.Z.Zubairi and A.G.Hussin. 2011. Some application of principal component analysis on Malaysian wind data. Scientific Research and Essays 6(15): 3172-3181. <i>(ISI-Cited Publication)</i>
8.	Abuzaid, A. H., Hussin, A.G. & Mohamed, I. B. 2011. Detection of outliers in simple regression model using mean circular error statistic. Journal of Statistical Computation and Simulation, (DOI: 10.1080/00949655.2011.602679). <i>(ISI-Cited Publication)</i>
9.	N.A.B. Kamisan, A.G.Hussin, Y.Z.Zubairi and S.F.Hassan. 2011. Distribution of wind direction recorded at maximum wind speed: A case study of Malaysia wind data for 2005. Int. J. Physical Sciences, 6(7): 1840 - 1850. <i>(ISI-Cited Publication)</i>
10.	Ali Abuzaid, Ibrahim Mohamed, Abdul G. Hussin and Adzhar Rambli. 2011. COVRATIO statistic for simple circular regression model. Chiang Mai J. Sci. 38(3), 321-330. <i>(ISI-Cited Publication)</i>
11.	Abuzaid, A. H., Mohamed, I. B. & Hussin, A. G. Boxplot for circular variables. 2011. Computational Statistics, (DOI: 10.1007/s00180-011-0261-5). <i>(ISI-Cited Publication)</i>
12.	Khai Shen Sow, Juneng Liew, Fredolin T Tangang, Abdul Ghapor Hussin and Mastura Mahmud. 2011. Numerical simulation of a severe late afternoon thunderstorm over Peninsular Malaysia. Atmospheric Research, 99(2): 248- 262. <i>(ISI-Cited Publication)</i>
13.	Zahoor Ahmad, Abdul Ghapor Hussin and Muhammad Hanif. 2010. Generalized multivariate regression estimators for multi-phase sampling using multi-auxiliary variables. Pakistan Journal of Statistics, 26(4), 569- 583. <i>(ISI-Cited Publication)</i>

14.	Abdul Ghapor Hussin, S. F. Hassan and Y. Z. Zubairi. 2010. A statistical method to describe the relationship of circular variables simultaneously. Pakistan Journal of Statistics, 26(4), 593-607. <i>(ISI-Cited Publication)</i>
15.	Fakhrulrozi Hussain, Abdul G. Hussin, Yong Z. Zubairi. 2010. On development of spoke plot for circular variables. Chiang Mai J. Sci., 37(3): 369-376. <i>(ISI-Cited Publication)</i>
16.	Siti F. Hassan, Abdul G. Hussin and Yong Z. Zubairi. 2010. Estimation of functional relationship model for circular variables and its application in measurement problems. Chiang Mai J. Sci. 37(2), 195-205. <i>(ISI-Cited Publication)</i>
17.	S.F.Hassan, Y.Z.Zubairi and A.G.Hussin. 2010. Analysis of missing values in simultaneous linear functional relationship model for circular variables. Scientific Research and Essays, Vol. 5(12), 1483 - 1491. <i>(ISI-Cited Publication)</i>
18.	ABDUL GHAPOR HUSSIN, NORLI ANIDA ABDULLAH & IBRAHIM MOHAMED. 2010. A complex linear regression model. Sains Malaysiana, 39(3): 491-494. <i>(ISI-Cited Publication)</i>
19.	NUR ARINA BASILAH KAMISAN, ABDUL GHAPOR HUSSIN & YONG ZULINA ZUBAIRI. 2010. Finding the best circular distribution for southwesterly monsoon wind direction in Malaysia. Sains Malaysiana, 39(3): 387-393. <i>(ISI-Cited Publication)</i>
20.	A.G.Hussin, A.H.Abuzaid, F.Zulkifli & I.B.Mohamed. 2010. Asymptotic covariance and detection of influential observation in a linear functional relationship model for circular data with an application to the measurements of winds directions. SCIENCEASIA, 36: 249-253. <i>(ISI-Cited Publication)</i>
21.	Abu Zaid, A. H. M., Mohamed, I. B. & Hussin, A. G. 2009. A new test of discordancy in circular data. Communications in Statistics - Simulation and Computation, 38, 682 - 691. <i>(ISI-Cited Publication)</i>
22.	Hussin, A. G., Fieler, N. R. J & Stillman, E. C. 2009. Parameter estimation in the unreplicated functional model based on a grouping algorithm. European Journal of Scientific Research, Vol. 33 (2). <i>(SCOPUS-Cited Publication)</i>
23.	Hussin, A.G., Hassan, S.F., Zubairi, Y.Z., Zaharim, A. & Sopian, K. 2009. An approximation of error concentration parameter for simultaneous circular functional relationship model. European Journal of Scientific Research, 27(2). <i>(SCOPUS-Cited Publication)</i>
24.	Hassan, S. F., Hussin, A. G. & Zubairi, Y. Z. 2009. Analysis of Malaysian Wind Direction Data Using ORIANA. Modern Applied Science, Vol. 3, No. 3.
25.	Zubairi, Y. Z., Hussain, F. & Hussin, A. G. 2008. An alternative analysis of two circular variables via graphical representation: An application to the Malaysian wind data. Computer and Information Science, Vol. 1, No. 4: 03-08.
26.	Hussin, A. G. 2008. Asymptotic Properties of Parameters for Linear Circular Functional Relationship Model. Asian Journal of Mathematics and Statistics, 1(2): 118 - 125. <i>(SCOPUS-Cited Publication)</i>
27.	Kamisan, N. A. B., Zubairi, Y. Z, Yahya, M. S. & Hussin, A. G. 2008. Fitting Malaysian wind speed data via extreme value distribution of type one Gumbel distribution. Jurnal Sains, Vol. 16(2): 7 - 12.
28.	Mohamed, I, Hussin, A. G. & Abdul Wahab, A. H. 2008. On simulation and approximation in the circular regression model. Asian Journal of Mathematics and Statistics, 1(2): 100 - 108. <i>(SCOPUS-Cited Publication)</i>
29.	Hussin, A. G. & Mohamed, I. B. 2008. Efficient approximation for the von Mises concentration parameter. Asian Journal of Mathematics and Statistics, 1(3): 165 - 169. <i>(SCOPUS-Cited Publication)</i>
30.	Hussain, F., Zubairi, Y. Z. & Hussin, A. G. 2008. An alternative diagrammatical representation of wind data in terms of time, direction and speed. Jurnal Sains, Vol. 16(2): 1 - 6.
31.	Abu Zaid, A. H. M., Hussin, A. G. & Mohamed, I. B. 2008. Identification single outliers in linear circular regression model based on circular distance. Journal of Applied Probability and Statistics, Vol. 3, No. 1: 107 - 177.
32.	Chang Yun Fah, Abdul Ghapor Hussin & Omar Mohd. Rijal. 2007. An investigation of causation in the road accident problem: the unreplicated linear functional relationship model, Journal of Applied Science, 7(1): 20-26. <i>(SCOPUS-Cited Publication)</i>
33.	Hussin, A. G. 2006. Hypothesis testing of parameters for ordinary linear circular regression , Pakistan Journal of Statistics and Operation Research, Vol. II, No. 2: 79-86.

34.	Hussin, A. G. 2005. Approximating Fisher's information for the replicated linear circular functional relationship model, Bulletin of the Malaysian Mathematical Science Society, (2) 28(2): 131- 139. <i>(SCOPUS-Cited Publication)</i>
35.	Hussin, A. G., Fieller, N. R. J. & Stillman, E. C. 2005. Pseudo-replicates for the linear circular functional relationship model, Journal of Applied Science, 5(1): 138-143. <i>(SCOPUS-Cited Publication)</i>
36.	Hussin, A. G., Fieller, N. R. J. & Stillman, E. C. 2004. Linear regression for circular variables with application to directional data. Journal of Applied Science and Technology (JAST), Vol. 8 (1 & 2).
37.	Hussin, A. G. 2004. Numerical comparisons for various estimators of slope parameters for unreplicated linear functional model. MATEMATIKA, Vol. 20 (1): 19 - 30.
38.	Hussin, A. G. & Chik, Z. 2003. Fisher information matrix for unreplicated linear circular functional relationship model. Jurnal Sains, 11(2): 39-48.
39.	A.G. Hussin & Z. Chik. 2003. On estimating error concentration parameter for circular functional model. Bulletin of the Malaysian Mathematical Science Society, Vol. 26 (2): 181-188. <i>(SCOPUS-Cited Publication)</i>
40.	Abdul Ghapor Hussin. 2001. An approximation technique of MLE for the unreplicated linear circular functional relationship model. Malaysian Journal of Science, 20: 121 - 126. <i>(SCOPUS-Cited Publication)</i>
41.	Abdul Ghapor Hussin. 1998. A possible application of EIVM in environmental science. Menemui Matematik, Vol. 20, No. 2: 28-35.
42.	Abdul Ghapor Hussin. 1998. The unreplicated complex linear functional relationship model and its application. Bulletin of the Malaysian Mathematical Science Society, 21(2): 79-86. <i>(SCOPUS-Cited Publication)</i>
43.	Abdul Ghapor Hussin. 1997. The maximum likelihood estimation for complex linear regression model, Jurnal Sains, 5(2): 705 - 711.
44.	Abdul Ghapor Hussin. 1996. Fitting the straight lines for several unreplicated linear functional relationship model. Jurnal Sains, 4(1):445 - 450.
45.	Abdul Ghapor Hussin. 1993. Beberapa kaedah penyelesaian julat maksimum luncuran di satah condong. Jurnal Sains, 1(2): 125-131.
46.	Abdul Ghapor Hussin. 1993. An analysis of gastroenteritis treatment data from Seacroft Hospital of Leeds. The Medical Journal of UKM, 15(1): 31-38.

Proceedings

No	Publications
1.	Abuzaid, A. H., Mohamed, I. B. & Hussin, A. G. 2008. Outlier labeling via circular boxplot for circular variables. Proceeding of the International Association for Statistical Computing 2008.
2.	Abdul Ghapor Hussin, Yong Zulina Zubairi and Siti Fatimah Hassan. 2008. Simultaneous linear circular functional relationship model. Proceeding of the International Conference on Statistical Sciences.
3.	Abu Zaid, A. H. M., Mohamed, I. B. & Hussin, A. G. 2008. Detection of outliers in circular regression model via row deletion approach. Proceeding The 3rd International Conference on Mathematics and Statistics.
4.	Siti Fatimah Hassan, Abdul Ghapor Hussin & Yong Zulina Zubairi. 2008. An evaluation of a software for circular variables: ORIANA. Proceeding The 3rd International Conference on Mathematic and Statistics.
5.	Nur Arina Basilah Kamisan, Yong Zulina Zubairi, Abdul Ghapor Hussin & Mohd. Sahar Yahya. 2008. Modeling Malaysian wind speed data via two parameters Weibull. Proceeding The 3rd International Conference on Mathematics and Statistics.
6.	Fakhrulrozi Hussain, Yong Zulina Zubairi & Abdul Ghapor Hussin. 2008. An innovative approach in analysing wind data via graphical display. Proceeding The 3rd International Conference on Mathematics and Statistics.

7.	Hussin, A. G., Zubairi, Y. Z., Hassan, S. F., A. Zaharim & K. Sopian 2008. Approximation of error concentration parameters for simultaneous circular functional model. Proceeding The 13th WSEAS International Conference On Applied Mathematics.
8.	Nur Arina, Yong Zulina, Abdul Ghapor & Mohd Sahar. 2008. Analysing maximum wind speed via log-normal distribution. Prosiding Seminar Penyelidikan PASUM.
9.	Fakhrulrozi, Yong Zulina & Abdul Ghapor. 2008. Application of principal component analysis to the Malaysian wind data. Prosiding Seminar Penyelidikan PASUM.
10.	Siti Fatimah, Abdul Ghapor & Yong Zulina. 2008. Functional relationship for circular variables and its application. Prosiding Seminar Penyelidikan PASUM.
11.	Hussain, F., Zubairi, Y. Z. & A. G. Hussin. 2007. An alternative diagrammatical representation of wind data. Proceeding The 12th WSEAS International Conference On Applied Mathematics, pp. 29-31.
12.	Hussin, A. G. 2007. On approximation and biasness of error concentration parameter for circular functional model. Proceeding International Conference on Mathematics: Trends and Developments.
13.	Abdul Ghapor Hussin. 2004. On choosing the best technique by using the replicated linear functional model. Proceeding National Seminar on Science 2004.
14.	Rohayatimah Md Tahir, Abdul Ghapor Hussin & Nawī Abdullah. 2003. Student appreciation of e-learning. Proceeding International Conference on M-Learning (ICML).
15.	Hussin, A. G. 1999. Application of linear circular functional model in remote sensing data. Proceeding International Congress On Engineering Computational Modeling And Signal Processing (ECM & SP 99), pp. 247-255.
16.	A. G. Hussin et al. 1993. On choosing the variables in the study of clinical scoliosis. Proceeding National Seminar on Statistics 1993.
17.	A. G. Hussin et al. 1992. The teaching and learning of the mathematics and science subject under a new curriculum from students perception. Proceeding National Seminar on Physics 1992.
18.	A. G. Hussin et al. 1990. Students perception between physic and mathematics. Proceeding of 4th National Symposium in Mathematical Science, 1990, pp. 412 - 426.

Technical Report

No	Publications
1.	Research Report: R&D Project No. 04-07-04-014. 1995. Some factors that influenced students achievements in mathematics and science.
2.	Research Report: R&D Project No. 04-07-04-014. 1995. Achievements of students under the new curriculum for secondary school in Pusat Asasi Sains.
3.	Research Report: R&D Project No. 04-07-04-014. 1995. Evaluation and effectiveness of studying science under the new curriculum for secondary school.
4.	Research Report: R&D Project No. 04-07-04-014. 1995. The relation between formal basic school education, tertiary education and the needs of the country.
5.	Research Report: R&D Project No. 04-07-04-014. 1995. Students achievements in mathematics.
6.	Research Report: R&D Project No. 04-07-04-014. 1995. Relation on achievements of additional mathematics understanding on physics.
7.	Research Report: R&D Project No. 04-07-04-014. 1995. Achievements an additional mathematics as an evaluation between the new curriculum for secondary school and the old curriculum for secondary school.

SECTION 11 : PRESENTATIONS

No	Event	Title of Paper Presented	Role	Date	Organizer
1.	Int. Stat. Conf 2011, Colombo, Sri Lanka	Improved efficient approximation of concentration parameter and confidence interval for circular distribution	Invited Speaker	28-30 Dec-11	Inst of Applied Stat, Sri Lanka
2.	11 th ISOSS Conf on Stat Sciences, Lahore, Pakistan	Detection of outliers in functional model for circular variables via complex form	Keynote Speaker	19-22 Dec-11	ISOSS
3.	Int. Conf. on Comp. Stat. and Data Engineering, London	Statistics for a new test of discordance in circular data	Presenter	06-08 Jul-11	Inst Assoc of Engineers
4.	8th Int Conf on Recent Advances in Statistics, Pakistan	Detection of outliers in regression model for circular variables	Presenter	08-09 Feb-11	ISOSS
5.	Australian Statistical Conference 2010, Perth	Asymptotic covariance and outlier detection in a linear functional relationship model for circular variables	Presenter	06-10 Dec-10	Australian Statistical Association
6.	The 2nd Int Conf on Mathematical Sciences	Outlier detection in EIVM for circular data and its applications	Invited Speaker	30-Nov- 03 Dec 10	Persatuan Matematik Malaysia
7.	Regional Conference on Statistical Sciences 2010	A circular-circular linear regression model	Invited Speaker	13-14 Jun-10	Institut Statistik Malaysia and UiTM
8.	Fourth Saudi Science Conference, Madinah	The complex regression model and its application	Presenter	21-24 Mar-10	Taibah University, Saudi
9.	Seminar on Directional Statistics	The complex regression model	Invited Speaker	10-11 Mar-10	ISM
10.	10th ISOSS Statistical Conference, Cairo, Egypt	Simultaneous functional relationship model for circular variables	Invited Speaker	20-23 Dec-09	American University, Cairo
11.	International Exposition of Research and Invention of Institutions of Higher Learning 2009	Outlier Detector	Presenter	08-10 Oct-09	Ministry of Higher Learning and UM
12.	5th International Conference on Math, Stat and Their Applications, Indonesia	Normality assumption in the complex linear regression model	Presenter	09-11 Jun-09	University of Andalas, Indonesia
13.	International Conference on Nonparametric Methods for Measurements Error Models, Ottawa	Outliers detection in circular functional model	Invited Speaker	03-05 May-09	Carleton University, Canada
14.	Seminar Institut Statistik Malaysia 2009	COVRATIO statistics for complex functional relationship model	Plenary/Keynote Speaker	02-Apr-09	Institut Statistik Malaysia & UiTM

15.	3rd International Conference on Modeling, Simulation and Applied Optimization, UAE	Efficient approximation for the von Mises concentration parameters.	Presenter	20-22 Jan-09	American University of Sharjah, UAE
16.	UM Expo 2009	(1) Modelling Malaysian wind speed. (2) Simultaneous linear circular functional relationship model. (3) Outlier detector for circular data.	Poster	13-15 Jan-09	UM
17.	International Conference on Recent Development in Statistical Sciences , Dhaka	Simultaneous linear circular functional relationship model	Invited Speaker	26-27 Dec-08	Carleton University and University of Dhaka
18.	The 13th WSEAS International Conference On Applied Mathematics, Greece Island	Approximation of error concentration parameters for simultaneous circular functional model.	Presenter	15-17 Dec-08	WSEAS
19.	7th Annual Seminar on Science & Technology.	Fitting Malaysian wind direction data via functional model.	Presenter	29-30 Oct-08	UNIMAS
20.	Seminar on Engineering Mathematics	Statistical analysis of Malaysian wind direction data	Plenary/Keynote Speaker	27-29 Jun-08	UKM
21.	Seminar Penyelidikan PASUM 2008	Analysing maximum wind speed via log-normal distribution	Presenter	01-Jan-08	PASUM
22.	Seminar Penyelidikan PASUM 2008	Functional relationship for circular variables and its application	Presenter	01-Jan-08	PASUM
23.	Seminar Penyelidikan PASUM 2008	Application of principal component analysis to the Malaysian wind data	Presenter	01-Jan-08	PASUM
24.	ICMTD 2007, International Conference, Cairo	On approximation and estimation of error concentration parameters for CFM	Presenter	27-30 Dec-07	Egyptian Statistical Society
25.	9th ISOSS International Conference, Shah Alam	Topics on Directional Statistics	Invited Speaker	12-Dec-07	ISOSS
26.	3rd IMT-GT 2007 Regional Conference	The circular functional relationship model and its applications	Presenter	05-06 Dec-07	USM
27.	National Seminar in Quantitative Science	Simultaneous pairwise linear functional relationship model	Presenter	19-21 Dec-06	UUM
28.	14th National Symposium on Mathematical Science	Analysis of Malaysian wind data using AXIS	Presenter	08-09 Jun-06	UM
29.	1st Int. Conference on Statistics and OR, Lahore	Hypothesis testing of parameters for OLCR	Presenter	03-05 Apr-06	Punjab University

30.	International Conference on Quantitative Science	Pseudo-replicates in the linear functional relationship model	Presenter	06-08 Dec-05	UUM
31.	National Seminar in Science	On choosing the best technique by using the replicated linear functional model	Presenter	15-17 Dec-04	USM
32.	The 2nd International Conference on Statistics and Mathematics	Approximating Fisher's information for the replicated linear circular functional relationship model	Presenter	04-07 Oct-04	Bandung University
33.	National Symposium on Mathematical Science	On estimating error concentration parameter for circular functional model	Presenter	21-24 Dec-03	UMS
34.	Regional Conference on Integrating Technology in the Maths Science	An algorithm for the permutation test method	Presenter	14-15 Apr-03	USM
35.	International Conf. on M-Learning	Students appreciation of e-learning	Presenter	25-27 Mar-03	UM
36.	International Congress On Engineering Computational Modeling And Signal Processing	Application of linear circular functional model in remote sensing data	Presenter	23-26 Nov-99	Bandung University
37.	Institute of Mathematical Science Colloquium	An approximation technique of MLE for the linear circular functional model	Presenter	23-Jul-99	UM
38.	One Day Seminar in Statistics	Some confusion between OLR and EIVM; a literature survey	Presenter	27-28 Jun-98	UM
39.	Research Student Conference	The functional model for circular data	Presenter	25-28 Oct-97	Glasgow University
40.	The RSS International Conference	Pseudo-replication in linear functional model	Presenter	03-07 Sep-96	Royal Statistical Society of UK
41.	Research Student Conference	Parameter estimation in the unreplicated functional model based on a grouping technique	Presenter	24-28 Mar-96	University of Southampton
42.	Research Student Conference	Application of the functional relationship model.	Presenter	26-28 Mar-95	Oxford University
43.	One Day Seminar in Mathematics	On the solution of the equation for damped harmonic oscillation.	Presenter	19-20 May-91	UM
44.	4th National Symposium on Mathematical Science	Persepsi pelajar: Antara fizik dan matematik	Presenter	19-21 Nov-90	USM
45.	National Symposium of Mathematical Sciences	Simultaneous fitting of unreplicated functional relationship model	Presenter	03-05 Jun-08	UMT

46.	World Scientific and Engineering Academy Society Conference.	An alternative diagrammatical representation of wind data.	Contributed	27-31 Dec-07	WSEAS
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SECTION 12 : EVALUATIONS ACTIVITIES

No	Examiner PhD Thesis (Year)
1	Robust control charts for change points detection in the presence of outliers, (2012)
2	Statistical inference in logistic regression models , (2011)
3	On mixture Weibull distributions and their parameters estimation , (2010)
4	Analisis amaun hujan di Semenanjung Malaysia , (2009)
No	Examiner MSc Thesis (Year)
1	A statistical analysis of the Malaysian road accident problem.
2	Fitting Penisular Malaysia wind speed data using statistical probability distribution , (2010)
3	High breakdown estimators to robustify Phase II multivariate control charts , (2011)
4	Robust approach to parameter estimation of right censored data.
No	Book Reviewer (Year)
1	Multivariable and vector calculus, Penerbit Universiti Teknologi Malaysia, 2008.
2	Integral Calculus, Penerbit OUM, 2006.
3	Kalkulus Pengamiran, Penerbit OUM, 2004.
4	Pengantar Sejarah Sains dan Sositoknologi, Penerbit UM, 2000.
No	Article Reviewer in Journal / Proceeding
1	A preliminary study on Bayesian extreme rainfall analysis.
2	Some computationally simple robust central tendency measures.
3	Penggunaan kaedah statistik dalam penganalisaan permasalahan pembelajaran matematik peringkat pra ijazah.
4	Modelling of Fe uptake data by Brassica chinensis Var. Parachinensis Bailey (Flowering white cabbage).
5	Association between duration of reflux and patient characteristics: a quantile regression analysis.
6	The existence of chaotic behavior in Malaysian Rainfall.
7	On some variation of ranked set sampling.
8	Journal of Statistical Modeling and Analysis.

9	Weighted maximum median likelihood estimates for multiple regression.
10	Confidence interval based on rank statistics in linear models.
11	Calendar variation model based on ARIMAX for forecasting sales data with Ramadhan effect.
12	Ujian kebagusan penyuaian dibawah pensampelan set terpangkat.
13	A framework for continuous outpatient health care delivery improvement through treatment plan support.
14	Taguchi approach for performance evaluation of routing protocols in mobile ad hoc networks.
15	An evaluation of some classical methods for forecasting electricity usage on specific problem.
16	Short term load forecasting using double seasonal ARIMA model.
17	Stochastic model of gelatinised sago starch to solvent production by <i>C. acetobutylicum</i> P262.
18	Aplikasi kaedah statistik dalam teknik penyelidikan tinjauan.
19	Analisis data berstatistik dalam memahami tafsiran dan penggunaan indeks.
20	Understanding randomness through regression theory.
No	Program External Examiner
1	External moderator for mathematics examination papers at SEGi College, Kuala Lumpur, 2011 - Present
2	External moderator for mathematics examination papers for foundation in science program at Sime Darby Nursing and Health Sciences College, 2011 - Present
3	External Paper Examiner for all Mathematics Courses at Undergraduate level UTP, July 2007 - July 2008.
4	External Paper Examiner for UTP Foundation Program, January 2005 - July 2009.

SECTION 13 : PROFESSIONAL AFFILIATION/MEMBERSHIP

No	Organisation	Role	Start Date	End Date	Level
1	Islamic Countries Society Of Statistical Sciences (ISOSS)	Assistant Secretary	01/01/2010	Present	International
2	Islamic Countries Society Of Statistical Sciences (ISOSS)	Member	01/06/2007	Present	International
3	Malaysian Institute Of Statistics	Treasurer	05/12/1990	Present	National

SECTION 14 : AWARDS AND RECOGNITIONS

No	Name of Award	Awarding Institution	Year Awarded	Level
1.	Excellence Service Award for 2010	UM	2011	University
2.	Bronze Medal, Research and Innovation Expo 2009	UM	2009	University
3.	Silver Medal, International Exposition of Research and Invention of Institutions of Higher Learning 2009	Ministry of Higher Education	2009	International

4.	Certificate of Excellence Service for 2008	UM	2009	University
5.	Certificate of Excellence Service for 2007	UM	2008	University
6.	Certificate of Excellence Service for 2006	UM	2007	University
7.	On outstanding contribution and development of statistics	Islamic Countries of Statistical Society (ISOSS)	2007	International
8.	Certificate of Excellence Service for 2005	UM	2006	University
9.	Silver and Bronze Medal, Research and Innovation Expo 2006	UM	2006	University
10.	Excellence Service Award for 2004	UM	2005	University
11.	Bronze Medal, Research and Innovation Expo 2004	UM	2004	University
12.	Anugerah Hadiah Makalah Ilmiah PERSAMA Sime Darby for 1999 (Award for most outstanding article).	Malaysian Mathematical Science Society	2000	National

SECTION 15 : CONTRIBUTION TO SOCIETY

No	Contribution To Society	Level	Start Date	End Date
1	Ahli Majlis Perwakilan Penduduk MBPJ Zon 24	District	Feb-09	Present
2	Secretary, Surau Taman Desaria, Petaling Jaya	District	Jan-98	Present
3	Secretary, Persatuan Kebajikan Penduduk Islam, Taman Desaria, Petaling Jaya	District	Jan-98	Present
4	Board Member, Yayasan SAMDE, Subang Jaya	District	Jan-02	Jan-05
5	Yang Dipertua, PIBG-SRIIMDE (Acting), Subang Jaya	District	Jan-02	Jan-03
6	Secretary, School of Bahasa Melayu, Sheffield, UK	International	Jan-94	Jan-95
7	Chairman, Malay Study Circle, Sheffield, UK	International	Jan-96	Jan-97
8	President, Sheffield Malaysian Student Association, UK	International	Jan-95	Jan-96
9	Deputy Chairman, Surau Taman Desaria, Petaling Jaya	District	Jan-93	Jan-94

SECTION 16 : EXPERT LINKAGES

No	Linkages Description	Organisation	Year of Involvement	Level
1.	Visiting Scientist	Indian Statistical Institute, Kolkata, India	2006	International
2.	Co Researcher	School of Civil Engineering, USM	2006	National
3.	Co Researcher	Climate & Ocean Analysis Lab, UKM	2006	National
4.	Research Associate	Centre for Modeling and Data Analysis, UKM	2009	National

SECTION 17 : TECHNICAL CONTRIBUTIONS

No	Activity	Organisation	Role	Date	Level
1.	ISM National Seminar 2011	Malaysian Institute of Statistics	Coordinator / Treasurer	2011	National
2.	Post Graduate National Seminar in Statistics	ISM and Centre for Foundation Studies in Sciences	Chairman	2011	National
3.	Regional Conference on Statistical Sciences 2010	Malaysian Institute of Statistics	Coordinator / Treasurer	2010	International
4.	World Statistics Day 2010	Malaysian Institute of Statistics and University of Malaya	Coordinator / Treasurer	2010	National
5.	National Seminar in Statistics 2009	Malaysian Institute of Statistics	Committee Member / Treasurer	2009	National
6.	Editor	Journal of Statistical Modeling and Analytics	Editor	2009	International
7.	National Seminar in Statistic 2008	Malaysian Institute of Statistics	Committee Member / Treasurer	2008	National
8.	International Conference on Recent Development in Statistical Sciences, Dec 2008, Dhaka.	North South University and Carleton University, Canada	Committee Member	2008	International
9.	National Seminar in Statistic 2007	Malaysian Institute of Statistics	Committee Member / Treasurer	2007	National
10.	9th ISOSS International Conference, Kuala Lumpur	ISOSS	Technical Advisor / Treasurer	2007	International
11.	Editorial Advising Board	Scientific Journals International	Editor	2007	International
12.	14th National Symposium in Mathematical Sciences	UM	Committee Member / Treasurer	2006	National
13.	Editor	Jurnal Sains	Editor	2005	National
14.	Fortran 90/95 Workshop	UM	Chairman	2004	University
15.	International Conference Malaysia Look East Policy	UM	Coordinator	2002	International
16.	External Examiner for Mathematics and Statistics	OPEN University Malaysia	External Examiner	2002	National
17.	National Conference on Mentoring	UM	Chairman	2000	National