

# CURRICULUM VITAE



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

Nama Penuh (Full Name)	NIK NORASMA BINTI CHE'YA		Gelaran (Title): DR
No. MyKad / No. Pasport (Mykad No. / Passport No.)	Warganegara (Citizenship) MALAYSIA	Bangsa (Race) MALAY	Jantina (Gender) FEMALE
Jawatan (Designation)	SENIOR LECTURER		

Alamat Semasa (Current Address)	Jabatan/Fakulti (Department/Faculty)	E-mel dan URL (E-mail Address and URL)
NO 35, JALAN MERAB 6/9A, DESA CAMELIA SG MERAB, 43000 KAJANG, SELANGOR  Tel: -	DEPARTMENT OF AGRICULTURE TECHNOLOGY, FACULTY OF AGRICULTURE, UNIVERSITI PUTRA MALAYSIA  Tel: +60389474892 Fax: +60389381015	E-mail: niknorasma@upm.edu.my  URL: <a href="https://www.researchgate.net/profile/Nik_Cheya">https://www.researchgate.net/profile/Nik_Cheya</a>

## B. KELAYAKAN AKADEMIK (Academic Qualification)

Nama Sijil / Kelayakan (Certificate / Qualification obtained)	Nama Sekolah Institusi (Name of School / Institution)	Tahun (Year obtained)	Bidang pengkhususkan (Area of Specialization)
PhD (Thesis title: Site-specific weed management using remote sensing)	The University of Queensland, Gatton, Australia	2016	Weed detection, drone application, GIS and precision agriculture
Master of GIS and Geomatic Engineering (Thesis title: Web-based GIS decision support system for precision farming)	Universiti Putra Malaysia	2010	Web-based GIS, GIS, open source programming and precision agriculture
Bachelor of Science Geoinformatics (Title: Site suitability analysis for aquaculture area using GIS in Johor)	Universiti Teknologi Malaysia	2007	Geoinformatics (GIS)

## 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
40th Asian Conference on Remote Sensing -ACRS2019, Daejeon, Korea	Aerospace research institute and a cultural tour at the Munui Cultural Heritage Complex	14 October 2018	18 October 2019	Drone technology and Image processing
Newton Fund Workshop, UK	Climate Change and Urban Food Security	16 <sup>th</sup> July 2018	20 <sup>th</sup> July 2018	Food security and urban farming

UNIGIS International, University of Salzburg   Department for GeoInformatics - Z_GIS, Salzburg, Austria	ASEA Uninet Workshop smartFARMING	29th October 2018	2nd November, 2018	Smart Farming
Bogor University, Indonesia	Geospatial Applications of Satellite Generated Atmospheric and Climatic Data	23th October 2017	27th October 2017	Geospatial and climate change
Harper Adams University, United Kingdom	Participant on Agri-tech Growth and Resources for Innovation Workshop 2	4th December 2017	6th December 2017	Precision Agriculture, Digital Farming and Instrumentation
Manchester University, United Kingdom	Visiting Scholar and potential collaboration	7th December 2017	7th December 2017	Remote sensing and precision agriculture
National Institute of Botanical Agriculture (NIAB), United Kingdom	Field Trip and potential collaboration on Remote Sensing Application	13th December 2017	13th December 2017	Remote sensing and drone

<b>E. PEKERJAAN (Employment)</b>				
Majikan / Employer	Jawatan / Designation	Jabatan / Department	Tarikh lantikan / Start Date	Tarikh tamat / Date Ended
Universiti Putra Malaysia	Senior Lecturer	Department of Agricultural Technology	October 2016	Current
Universiti Putra Malaysia	Tutor	Department of Agricultural Technology	July 2010	Sept 2016
Universiti Putra Malaysia	Research Assistant	SMART Farming Technology Laboratory, Institute of Advance Technology	Oct 2009	June 2010
MIMOS Berhad Kuala Lumpur	Research Fellow	KnowledgeGRID Malaysia Program	May 2009	Sept 2009

<b>F. ANUGERAH DAN HADIAH (Honours and Awards)</b>				
Name of awards	Title	Award Authority	Award Type	Year
	Best paper awards	National Convention of Agricultural & Food Engineering 2019	National	2019
Academic Awards	Silver Medal Awards	International STEM Olimpiad ISTEMO 2018	International	2018
	Best Presenter Award	The 5th Asian Conference Precision Agriculture, Jeju, Korea	International	2013
	Bronze Medal Award	Pameran Reka Cipta, Penyelidikan Dan Inovasi (PRPI), UPM	University	2010
	Silver Medal Awards	International Trade Fair (IEANA), Germany	International	2009
	Gold Medals Awards	Malaysia Technology Expo (MTE), PWTC	National	2009 & 2008
	Gold Medals Awards	Pameran Reka Cipta, Penyelidikan Dan Inovasi (PRPI)	University	2008 & 2007
	Diamond and Gold medal	British Invention Show (BIS), London	International	2008
	National Science Fellowship	Ministry of Science, Technology and Innovation (MOSTI), Malaysia Government	Malaysia	2008-2009
	Dean lists for 5 semesters	Universiti Teknologi Malaysia (UTM)	University	2003-2007
	Best student awards for 2 semesters	Universiti Teknologi Malaysia (UTM)	University	2003-2007
Non-Academic Awards				
Awards of Merit	Service Award UPM	Universiti Putra Malaysia	University	2016

**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>Publications</i>	<p>Man, N., Hassim, H., Sehu, N.I., Norasma, C.Y.N. (2020). "Drone services and application for paddy fertilizing and oil palm mapping for climate change", 40th Asian Conference on Remote Sensing: Progress of Remote Sensing Technology for Smart Future, ACRS 2019; Daejeon Convention Center (DCC) Daejeon; South Korea; 14 October 2019 - 18 October 2019 (Scopus).</p> <p>Syafiqah, N.F., Shariff, A.R.M., Norasma, C.Y.N. (2020). "GIS and UAV aerial imaging applications for durian plantation management", 40th Asian Conference on Remote Sensing: Progress of Remote Sensing Technology for Smart Future, ACRS 2019; Daejeon Convention Center (DCC) Daejeon; South Korea; 14 October 2019 - 18 October 2019 (Scopus).</p> <p>Ab Rahman, A. A., Jaafar, W. S. W. M., Maulud, K. N. A., Noor, N. M., Mohan, M., Cardil, A., Norasma, C.Y.N. and Naba, N. I. (2019, July). Applications of Drones in Emerging Economies: A case study of Malaysia. In 2019 6th International Conference on Space Science and Communication (IconSpace) (pp. 35-40). IEEE (Scopus).</p> <p>R N Athirah, C.Y.N. Norasma, M. R. Ismail, F. Azali, M. H. Omar, "PADI2U: Pembangunan Aplikasi Telefon Pintar untuk Pengurusan Padi di KADA Kelantan", National Convention of Agricultural &amp; Food Engineering 2019, Putrajaya (2019)</p> <p>F. F.W. Fazilah, N. S. Saroni and C.Y. N. Norasma, "Production of spinach under variable water supply", National Convention of Agricultural &amp; Food Engineering 2019, Putrajaya (2019)</p> <p>Norasma, C.Y.N., Faten, N. S. Z. A, Rhushalshafira, R, "Merekabentuk Konseptual Laman Sesawang Berasaskan GIS Bagi Kawalan Serangga Perosak Dan Serangan Penyakit Untuk Tanaman Padi", National Convention of Agricultural &amp; Food Engineering 2019, Putrajaya (2019)</p> <p>Ang, Y., Nik Norasma, C. Y., Nor Athirah, R., Mohd Razi, I., Zulkarami, B., Fadzilah, M. A, "Pengukuran Klorofil Daun Padi Menggunakan Indeks Tumbuhan Spektrum Dari Imej Multispektral", National Convention of Agricultural &amp; Food Engineering 2019, Putrajaya (2019)</p> <p>Norasma, C.Y.N., M.A. Fadzilah, N. A. Roslin, W. N. Zanariah, Z. Tarmidi, F. S. Candra, "Unmanned Aerial Vehicle Applications In Agriculture" 1st South Aceh International Conference On Engineering And Technology, South Aceh, Indonesia (2019) (<a href="https://iopscience.iop.org/article/10.1088/1757-899X/506/1/012063">https://iopscience.iop.org/article/10.1088/1757-899X/506/1/012063</a>) (Scopus).</p> <p>Norasma, C. Y. N., Fadzilah, M. A., Roslin, N. A., Zanariah, Z. W. N., Tarmidi, Z., &amp; Candra, F. S. (2019, April). Unmanned Aerial Vehicle Applications In Agriculture. In IOP Conference Series: Materials Science and Engineering (Vol. 506, No. 1, p. 012063). IOP Publishing (Scopus).</p> <p>Norasma, C.Y.N., Lee, L. S., Ismail, M. R., Razali, S. M., Roslin, N. A., &amp; Omar, M. H. (2019, December). Development of Rice Growth Map Using the Advanced Remote Sensing Techniques. In 2019 International Conference on Computer and Drone Applications (IConDA) (pp. 23-28). IEEE (Scopus).</p> <p>Rosle, R., Norasma, C.Y.N., Roslin, N. A., Halip, R. M., &amp; Ismail, M. R. (2019, November). Monitoring Early Stage of Rice Crops Growth using Normalized Difference Vegetation Index generated from UAV. In IOP Conference Series: Earth and Environmental Science (Vol. 355, No. 1, p. 012066). IOP Publishing (Scopus).</p> <p>Hafidzi, N. A., Tarmidi, Z., Adi Maimun, N. H., Hassan, N., Mat Noor, N. A., Ariffin, A., &amp; Norasma, C. Y. N. (2019). Assessing Sustainability Level From Social Aspects For Affordable Housing In Malaysia Using Spatial Indicators. International Archives of the Photogrammetry, Remote Sensing &amp; Spatial Information Sciences (Scopus).</p> <p>Norasma, C. Y. N., Sari, M. A., Fadzilah, M. A., Ismail, M. R., Omar, M. H., Zulkarami, B., ... &amp; Tarmidi, Z. (2018, June). Rice crop monitoring using multirotor UAV and RGB digital camera at early stage of growth. In IOP Conference Series: Earth and Environmental Science (Vol. 169, No. 1, p. 012095). IOP Publishing (Scopus).</p> <p>Sukor, N. A., Tarmidi, Z., Hassan, N., Maimun, N. H. A., Nor, N. A. M., Yusoff, N. S. M., &amp; Norasma, C. N. (2018, June). Mapping of utilities risk for sewerage system asset management. In IOP Conference Series: Earth and Environmental Science (Vol. 169, No. 1, p. 012085). IOP Publishing (Scopus).</p> <p>Norasma, C.Y.N., Faten, N. S. Z. A and Rhushalshafira, R, "Conceptual Design for Web-Based GIS In Pest And Disease Control System For Paddy Crop" International Conference Kaizen In Management, Education, Social Science And Technology (ICKIMESST 2018), Perak, Malaysia (2018)</p> <p>A. Roslin, C.Y.N. Norasma, M.R. Ismail and F. Azali, "Padi2U: Mobile Application Development for Paddy Management in KADA Kelantan" 2nd International Geography Seminar (IGEOS) 2018, Universiti Pendidikan Sultan Idris, Malaysia (2018)</p> <p>A. Roslin, C.Y.N. Norasma, M.R. Ismail, F. Azali and S.S.A. Gani, "Padi2u: Mobile Application Development For Paddy Management In KADA Kelantan" International Agriculture Congress 2018 And 6th International Symposium For Food &amp;</p>
---------------------	--

Agriculture 2018, Universiti Putra Malaysia (2018)

Ang Yuhao and Nik Norasma Che'Ya, "Application of UAV in agriculture for crop assessment: A review" IEEE Workshop on Geoscience and Remote Sensing 2018, Kuala Lumpur, Malaysia (2018)

Lee Loong Shern, Nik Norasma Che'Ya, Athirah Roslin and Siti Nur Alia Roslan, "Rice Monitoring Using OBIA Technique Based On Aerial Imagery" IEEE Workshop on Geoscience and Remote Sensing 2018, Kuala Lumpur, Malaysia (2018)

Nik Norasma Che Ya, Faten Nur' Syahira Zainal Abidin, Wan Fazilah Binti Fazlil Ilahi and Wan Nor Zanariah Zainol @ Abdullah, "Conceptual Design For Web GIS In Pest And Disease Control System For Paddy Crop" International Congress & General Meeting 2018, Riverside Majestic Kuching, Malaysia (2018).

Nurshuhada Abd Sukor, Zakri Tarmidi, Noordyana Hassan, Nurul Hana Adi, Maimun, Noorsidi Aizuddin Mat Nor, Nurul Syakima Mohd Yusoff and Nik Norasma Che Ya, "Mapping of utilities risk for sewerage system asset management" 9th IGRSM International Conference and Exhibition on Geospatial & Remote Sensing 2018, Berjaya Times Square Hotel, Malaysia (2018) (<https://iopscience.iop.org/article/10.1088/1755-1315/169/1/012085>) (Scopus).

Norasma, C.Y.N., M.Y.Abu Sari, M.A. Fadzilah, M.R. Ismail, M. H. Omar, Zulkarami, Y. M. M. Hassim and Z. Tarmidi. "Rice crop monitoring using multirotor UAV and RGB digital camera at early stage of growth" 9th IGRSM International Conference and Exhibition on Geospatial & Remote Sensing 2018, Berjaya Times Square Hotel, Malaysia (2018) (<https://iopscience.iop.org/article/10.1088/1755-1315/169/1/012095>) (Scopus).

Norasma, C.Y.N., M. A. Fadzilah, S.S.A. Gani, M. S. Suhaizi and M.R. Ismail. "Tinjauan dan Aplikasi Dron dalam Pertanian" Malaysian Society Agricultural Engineers (MSAE) Conference 2018, Universiti Putra Malaysia (2018).

Ahmad Suhaizi, M. S. Norida, M., Nik Norasma, C. Y., dan Wan Fazilah, F. I. "Teknologi Aplikasi Dron Untuk Pertanian" Persidangan Kebangsaan Kependidikan Teknologi 2017 (CONFERTECH 2017), Berjaya Waterfront Hotel, Johor (2017).

Norasma, C.Y.N., Shariff, A.R.M., Jahansiri, E., Amin, M.S.M., Khairunniza-Bejo, S. and Mahmud, A.R. (2013). Web-Based Decision Support System for Paddy Planting Management. Pertanika Journal of Science and Technology, 21(1): 343-364 (Scopus).

Norasma, C.Y.N., M. Gupta, D. George, A. Lisle, B. Basinet, and G. Campbell "Spectral Discrimination of Weeds Using Hyperspectral Radiometry" The 5th Asian Conference Precision Agriculture, Jeju, Korea (2013)

Nik Norasma Che'Ya, Abdul Rashid Mohamed Shariff, Mohd Amin Mohd Soom, Siti Khairunniza Bejo, Ahmad Rodzi Mahmud, Ebrahim and Fauzul "An internet-based software tool for guidelines and mapping in paddy planting". MRSS2010, PWTC, 2010.

Norasma, C.Y.N., Shariff, A.R.M., Jahansiri, E., Soom, M.A.M., Mahmud, A.R. and KhairunnizaBejo, S. (2010). Web Geoprocessing Tool for *Oryza Sativa* Plantations in Malaysia. In Proceedings of the MRSS 6th International Remote Sensing and GIS Conference and Exhibition, 28-29 April 2010, PWTC, Kuala Lumpur, Malaysia, p. 82.

Nik Norasma Che'Ya, Abdul Rashid Mohamed Shariff, Mohd Amin Mohd Soom, Siti Khairunniza Bejo, Ahmad Rodzi Mahmud, Ebrahim and Aimrun Wayayok "A GIS webbased tool for the management of *oryza sativa* planting". World Engineering Congress 2010, Kuching, 2010.

Norasma, C.Y.N., Shariff, A.R.M., Soom, M.A.M., Khairunniza-Bejo, S., Mahmud, A.R., Aziz, A.A.A. and Jahansiri, E. (2009). Generating Online GIS Decision Support System for Paddy Precision Farming. In Proceedings of the GSDF 11World Conference, 15-19 June 2009, Rotterdam,The Netherlands, p. 1-12.

Norasma, C.Y.N., Shariff, A.R.M., Soom, M.A.M., Khairunniza-Bejo, S., Jahansiri, E., Azhan, F. and Mahmud, A.R. Web Precision Farmer (V2.5): Comparison between Windows and Linux. International Advanced Technology Congress 2009 (ATCi 2009),3-5 November 2009, Kuala Lumpur, Malaysia, p. 121.

Norasma, C.Y.N., A. R. M. Shariff, M. S. M. Amin, S. Khairunniza-Bejo and A. R. Mahmud "Web-based GIS Decision Support System for Paddy Precision Farming". MapAsia 2008. KLCC, Kula Lumpur.

Norasma, C.Y.N., Shariff, A.R.M., Amin, M.S.M., Khairunniza-Bejo, S. and Mahmud, A.R. (2008). Web-Based GIS Decision Support System for Paddy Precision Farming. In Proceedings of the Consultative Workshop on Paddy Precision Farming, 13-14 August 2008, MAEPS, Serdang. 2008. p3.1: 53-54

Norasma, C.Y.N., A. R. M. Shariff, M. S. M. Amin, S. Khairunniza-Bejo, A. R. Mahmud, E. Jahansiri and A. A. A. Fauzul "Web-based GIS Decision Support System for Precision Farming". Pameran Rekacipta, Penyelidikan dan Inovasi UPM. pp22, 2008.

	Fauzul Azhan Abdul Aziz, Abdul Rashid Mohamed Shariff, Mohd. Amin b. Mohd. Soom, Anuar Abdul Rahim, Ebrahim Jahanshiri, Nik Norasma Che' Ya, "A GIS based System For Paddy Field Precision Farming", AFITA, WCCA 2008, Japan, 2008.
Other publications Magezine	Norasma,C.Y.N., Shariff,A.R.M., Amin, M.S.M., Khairunniza-Bejo, S. and Mahmud, A.R. (2009).Web-Based GIS Decision Support System for Paddy Precision Farming. GIS Development, p. 1-7.  UPM Invents Software System For Paddy Planters, University Consortium Magazine, A quarterly newsletter for the Southeast Asian University Consortium for Graduate Education in Agriculture and Natural Resources, SEARCA, Jan - March 2009, p. 8.
Patent Pending	Shariff, A.R.M.S., Mahmud, A.R., Norasma, C.Y.N., Jahanshiri, E., Soom, M.A.M., Khairunniza-Bejo, S. and Aziz, F.A.A. Web Based Agricultural Data Management System and Methods of Managing Thereof (PI2010700091: Patent Pending, 2010).
Computer software	-

<b>H. PROJEK PENYELIDIKAN TERDAHULU</b> ( <i>Past Research Project</i> )					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
6369105	PadiU Putra (Higher Institution Center of Excellent, HiCOE)	Members	2016	HiCOE (Minister of Higher Education)	On-going
5526500	PadiU Putra: Accelerating Rice Food Security and Socioeconomics for Rice Farming Communities	Members	2017	Translational research fund (Minister of Higher Education)	On-going
9611400	Mobile Apps Development for Paddy Management In Kada, Kelantan (ePaddyMobile)	Principle	2018	Grant Putra-IPM-Universiti Putra Malaysia	Completed
220040-267022	Optimal Tolerable Lodging Index on Rice Plant Due to Drone Downwash Effect During Spraying Operation	Members	2018	FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS)	On-going
225683-267604	Development of a flood loss model and a flood risk assessment framework for paddy	Members	2018	FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS)	On-going
	Program Climate Change Education Through Smart Foodies Program.	Members	2019	Kerajaan Selangor	Completed
	Development of climate ready rice for sustaining food security in Malaysia'	Members	2019	LRGS 2019 (Minister of Higher Education)	On-going
	Development of the Automated Fertigation Control System and Mobile Apps	Principle	2019	Matching Grant (UPM and UTM)	On-going

<b>I. AHLI PROFESIONAL</b> ( <i>Professional Bodies</i> )
<ul style="list-style-type: none"> <li>• Institution of Geospatial and Remote Sensing Malaysia (IGRSM).</li> <li>• International Society for Southeast Asian Agricultural Sciences (ISSAAS)</li> <li>• Member of Malaysian Society of Agricultural Engineers (MSAE)</li> <li>• Member of International Society of Precision Agriculture (ISPA)</li> </ul>

<b>J. PEMBELAJARAN BERTERUSAN</b> ( <i>Continuing Education</i> )		
<b>Activities</b>	<b>Place</b>	<b>Date</b>
Agricultural Engineering International Guest Lecture 2020	Webinar Online, host Indonesia	9 June 2020
2019 International Conference on Computer and Drone Applications (ICoDA) (Oral Presenter)	Kuching, Sarawak	Dec, 2019
40th Asian Conference on Remote Sensing: Progress of Remote Sensing Technology for Smart Future, ACRS 2019	Daejeon Convention Center (DCC) Daejeon; South Korea	14 October 2019 – 18 October 2019

(Oral Presenter)		
3rd International Symposium on Agricultural and Biosystem Engineering, ISABE 2019 (Oral Presenter)	South Sulawesi; Indonesia	6 August 2019 – 8 August 2019
ASD Seminar with Mr Dan (USA)	Faculty of Agriculture, UPM	April 5, 2018
Hands-on: Remote Sensing Data Processing for Forest Composition Identification	Seminar room, Faculty of Engineering, UPM	April 26, 2018
Show Case for Paddy Development using UAV and Sprayer Drone in KETARA, Terengganu (Oral Presenter)	KETARA, Terengganu	March 16, 2018
Blended Learning with PutraBLAST	Office of the Deputy Vice-Chancellor (RMC), UPM	March 1, 2018
Developing Excellent Research Proposal using Logical Framework Analysis (LFA)	Office of the Deputy Vice-Chancellor (RMC), UPM	February 14-15, 2018
Paddy Automation: Redefined	The Saujana Hotel Kuala Lumpur	February 6, 2018
Drone Application in Agriculture (Oral Presenter)	Malaysian Society of Agricultural Engineers Conference, UPM	February 7-8, 2018
PadiU Putra seminar with Minister of Higher Education Malaysia	Tanjong Demong, Besut, Terengganu	February 1, 2018
Agriculture and Food Security 2050	Auditorium Rashdan Baba, UPM	January 23, 2018
Time Management and Academic Writing with British Council	Office of the Deputy Vice-Chancellor (RMC), UPM	January 19-6, 2018
MSc in Applied Mechatronics Engineering at Harper Adams University UK	Seminar room, Faculty of Engineering, UPM	January 4, 2018
Confertech 2017 (Oral Presenter)	Hotel Berjaya Waterfront, Johor	November 14-16, 2017
Innovative Teaching and Learning with Technology: Screen Casting and Video Editing	Centre for Academic Development (CADe), UPM	October 11, 2017
Transformation Mind for Academic and Professional Workshop	Institute Bioscience, UPM	August 14-22, 2017
Fundamentals of Teaching and Learning Course	Centre for Academic Development (CADe), UPM	August 23-30, 2017
Paddy Monitoring using UAV in KETARA, Terengganu	KETARA, Terengganu	October 30, 2016
Effective Planning and Management of Oil Palm Plantation	Universiti Putra Malaysia (UPM)	October 25, 2016
Industry Collaboration Engagement (ICE) day - Big Data And Internet Of Things (IoT)	Universiti Putra Malaysia (UPM)	October 21, 2016
CEO@Faculty Program	Universiti Putra Malaysia (UPM)	October 13, 2016
Big Data and Internet	MARDI	October 12, 2016
Prog. Developing a Champion Mindset	Universiti Putra Malaysia (UPM)	August 2, 2016
Nobel Laureate's Outreach Camp 2016	Universiti Putra Malaysia (UPM)	August 9-12, 2016
National Coconut Workshop 2016 (Rapporteur)	Universiti Putra Malaysia (UPM)	August 9, 2016
Public Lecture: Milk Industry in Malaysia, Opportunities and Challenges	Universiti Putra Malaysia (UPM)	May 30, 2016
Talk on Hyperspectral Camera for UAV Platform	Universiti Putra Malaysia (UPM)	June 1, 2016
UAS4RS Conference	University of Queensland, Australia	February 17-18, 2016
Improving Human Life	Brisbane Global Cafe	November 12, 2014
UAV Workshop	Melaka	Sept 29-30, 2014
Field Day Workshop	University of Queensland, Australia	May 6, 2014 April, 4, 2015
3-Minute Thesis (Presenter)	University of Queensland, Australia	July 19, 2014
The 5 <sup>th</sup> Asian Conference Precision Agriculture (Oral Presenter)	Jeju, Korea	June 25-28, 2013
Unregistered conference in GIS and Remote Sensing	Brisbane	15 November 2012
Training on Oil Palm Lining and Precision Farming, MPOB (Committee)	Universiti Putra Malaysia (UPM)	October 28, 2010
Engineering & Technology for Global Stability and Security (Presenter)	WEC 2010, Kuching, Malaysia	August 2-5, 2010
National GIS (NGIS) 2010 (Participant)	Putrajaya International Convention Center (PICC), Malaysia	June 28-29, 2010
MRSS 2010, An internet-based software tool for guidelines and mapping in paddy planting (Presenter)	Putra World Trade Center (PWTC), Malaysia	April 27-28, 2010
MRSS 2010, An internet-based software tool for guidelines and mapping in paddy planting (Committee)	Putra World Trade Center (PWTC), Malaysia	April 27-28, 2010
ATCi 2009, Web Precision Farmer (v2.5): Comparison between Linux and Windows (Presenter)	Putra World Trade Center (PWTC), Malaysia	Nov 3-5, 2009
Participate in 1 <sup>st</sup> & 2 <sup>nd</sup> KnowledgeGRID MALAYSIA FORUM 2009 & 2010 (Presenter)	International Islamic Uni Malaysia (IIUM), Malaysia &	March 18-19, 2009 Oct 26-28, 2009

	Uni Malaysia Terengganu (UMT)	
Definiens Developer 7.0 Essential Training	Universiti Putra Malaysia (UPM)	April 7-8, 2009
ArcGIS Desktop 1 & 11 Training	ESRI, Malaysia	August 17-01, 2009
GIS DAY 2009 & 2010, UPM, Development of Web GIS (Presenter & Committee)	Universiti Putra Malaysia (UPM)	Feb 11, 2009 & March 4, 2010
Map Asia 2008, 2008 (Presenter)	Kuala Lumpur Convention Center (KLCC), Malaysia	August 18-20, 2008
MapInfo and ArcGIS (Hands-on-training) (Trainer)	Geomatika College of Technology, Malaysia	July 7-10, 2008
Precision Agriculture for Rice Field Management Workshop	Tanjung Karang, Selangor, Malaysia/National	Feb 2008

## K. EDITOR EXPERIENCE

1. International Journal of Remote sensing
2. The IEEE Robotics and Automation Letters Submission and Review Management System
3. Advances in Agricultural and Food Research Journal

## L. Rujukan (references)

Professor Sr Gs Dr. Abdul Rashid Bin Mohamed Shariff C.Eng.  
*Department of Biological and Agricultural Engineering, Faculty of Engineering  
Universiti Putra Malaysia (UPM)  
43400 Serdang, Selangor  
Tel:603-89466424; Fax:603-89466425  
Email: rashidpls@upm.edu.my*  
Associate Researcher,  
SMART Farming Technology Research Centre (SFT RC)  
Geospatial Information Science Research Centre (GIS RC)  
Institute of Gerontology (IG)  
President,  
Institution of Geospatial and Remote Sensing Malaysia (IGRSM)  
<http://scholar.google.com.my/citations?hl=en&user=ytWebjsAAAAJ>

Professor Dr Abdul Shukor Juraimi  
Dean  
Faculty of Agriculture  
Universiti Putra Malaysia  
43400 UPM Serdang, Selangor  
MALAYSIA  
Phone: 603-89474801  
Email: ashukur@upm.edu.my

Dr Ammar Abdul Aziz  
Lecturer in Agribusiness  
School of Agriculture and Food Sciences  
Faculty of Science, The University of Queensland, Australia  
Email: a.abdulaziz@uq.edu.au  
Phone: +61 7 54601 479