RESUME / CURRICULUM VITAE:

1.	**FULL NAME**	**MUZAIMI MUSTAPHA**
2.	**POSITION / AFFILIATION**	Associate Professor Coordinator, Integrated Neuroscience Programme (INP), Department of Neurosciences, School of Medical Sciences UNIVERSITI SAINS MALAYSIA, USM Health Campus 16150 Kubang Kerian, Kelantan, MALAYSIA http://www.medic.usm.my/neurosciences
3.	**PASSPORT PHOTO**	
4.	**PROPOSED TALK TITLE**	'CEREBRAL SMALL VESSEL DISEASE: A *MARE INCOGNITUM*'
5.	**SHORT BIOGRAPHY**	Dr. Muzaimi is a physician neuroscientist and an Associate Professor in Experimental Neurology/Fundamental Neuroscience at the Universiti Sains Malaysia (USM), School of Medical Sciences following the completion of his medical and postgraduate training for MBBCh/PhD studies in the UK (Cardiff; Oxford). His neuroscience research activities had received grants from international and national grants through collaborations with both local and international researchers. He had also been involved in numerous clinical trials and hold professional memberships with the Royal Society of Medicine (UK), Association of British Neurologists (ABN), British Neuroscience Association (BNA) and Society of Neuroscience (SfN) (USA). He is currently the Chair, Basic Neuroscience Chapter and Vice President, Malaysian Society of Neurosciences (MSN), and an Associate Fellow, Academy of Sciences Malaysia (ASM). He is a co-founder and current Programme Coordinator for USM mixed-mode graduate studies, the Integrated Neuroscience Programme (INP), the first of its kind in Southeast Asia. His scholarly area of interests include brain rewards circuitry; neurocognition; cerebrovascular; neurodegeneration; and University-Community educational neuroscience engagement.

1. PERSONAL DATA

Name	:	**MUZAIMI MUSTAPHA**
Nationality	:	Malaysia
Current Position	:	Associate Professor DU54 (MMC 52822)
Qualifications	:	*MBBCh* (Wales); *PGDipBioMedicine*; *PhD* (Cardiff)
Field of specialization	:	Experimental Neurology & Fundamental Neuroscience
Tel (office) /HP	:	+609 7676921 / +60199305081
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2. ACADEMIC AND RESEARCH ACHIEVEMENTS

ON-GOING RESEARCH GRANTS :

1. UK-Malaysia Innovate-Newton Ungku Omar Innovation Fund
(1/12/2016 – 1/9/2019)
IntelliRehab – intelligent medical system customised exercises for personalised home telerehabilitation. *Role: Principal Investigator*

2. Ministry of Higher Education (Malaysia) Potential COE Grant
(1/01/2013-31/12/2016) Fundamental Neuroscience – Neurobehaviour (Brain Rewards). *Role: Principal Investigator*

3. Universiti Sains Malaysia, Research University (Individual) Grant
(1/03/2015-28/02/2018) Delineating Cerebral Correlates Of The Qiraat And Tarannum Of The Holy Qur'an From The Brain Frontal Theta Wave Signals**.** *Role: Principal Investigator*

4. Universiti Sains Malaysia, Research University (Individual) Grant
(1/05/2013-30/04/2016)
Putative inhibitory potential of isodiospyrin in mini-gene constructs of Duchenne Muscular Dystrophy. *Role: Principal Investigator*

5. Universiti Sains Malaysia, Flagship BJIM Grant
(1/1/2012-31/12/2016)
The Brain Chain Reaction Project. *Role: Principal Investigator*

6. Ministry of Higher Education (Malaysia) Fundamental (FRGS) Grant
(2/05/2015-1/11/2018)
Delineating the role of Diffusion Tensor Imaging and Microthrombogenic haemostatic assays for Cerebral Small Vessel Disease in Apparently Asymptomatic Individuals. *Role: Principal Investigator*

7. Ministry of Higher Education (Malaysia) Fundamental (FRGS) Grant
(2/05/2015-1/11/2018)
New ROI-Based features extraction method based on white matter lesions from MR images of small vessel strokes predisposition.
Role: Co-Investigator

8. Universiti Sains Malaysia, Research University (Individual) Grant
(1/12/2012-30/11/2016)
Kainate-mediated excitotoxicity: neuroprotection through antioxidant mechanism of Tualang honey in rat model. *Role: Co-Investigator*

9. Universiti Sains Malaysia, Research University (Individual) Grant
(15/03/2014-14/03/2017)
Extending the neuroeconomic model of central neurocircuitry of nicotine addiction for anti-tobacco pictorial health warnings using fMRI
Role: Co-Investigator

10. Ministry of Higher Education (Malaysia) Potential COE Grant
(1/12/2012-31/12/2016)
Neuro-Imaging biomarkers for neurological diseases.
Role: Co-Investigator

11. Universiti Sains Malaysia, Short-Term Grant
(1/12/2015-30/11/2017)
Investigating the Involvement of Toll Like Receptor 4 in Mediating Voluntary Ethanol Intake in Early Life of C57BL/6J Male Mice Using a Chronic Restraint Stress Modelrestraint Stress Model
Role: Co-Investigator

12. Ministry of Higher Education (Malaysia) University-Community Transformation Grant (UCTC)
(1/10/2015-31/12/2016)
Health Engagement through Arts: the Silent Teacher Project
Role: Co-Investigator

COMPLETED RESEARCH GRANTS :

1. Ataxia UK (1/02/2006-1/03/2008)
Studies on idiopathic late onset cerebellar ataxia in South Wales, UK.
Role: Co-investigator

2. Servier, France (01/06/2007-01/08/2009)
Multi-centre trial PERFORM phase III secondary stroke prevention study. Role: Co-investigator

3. M-Science, Japan (01/04/2008-01/08/2009)
Multi-centre trial ME1-2 phase IIb neuro-regenerative agent study in acute stroke Role: Co-investigator

4. St.George's NHS Trust, University of London, UK
(01/01/2009-01/08/2009)
Cervical artery dissection in ischaemic stroke study (CADISS)
Role: Co-investigator

5. Ministry of Higher Education (Malaysia) Fundamental (FRGS) Grant
(1/04/2011-1/03/2013)
CB1 endocannabinoid receptors as target in Mitragynine (Ketum) addiction in mesolimbic system. Role: Principal Investigator

6. The Academy of Sciences for Developing World (TWAS) Grant
(1/05/2011-1/10/2012)
Cerebellum involvement in Mitragyna speciosa abuse liability through CB1 cannabinoid receptor. Role: Principal Investigator

7. Ministry of Higher Education (Malaysia) Exploratory (ERGS) Grant
(1/6/2011-1/05/2013)
Human brain mapping for the neural substrates of the rhythmic melody from religious text with the view for application in brain injury rehabilitation using frontal-midline and frontal-mental theta brain waves. Role: Principal Investigator

8. Universiti Sains Malaysia, Short-Term Grant
(1/06/2012-31/05/2014)
Exploring Risk Factors for Strokes Using GIS-Enhanced Risk Factors Modeling in Kelantan. Role: Co-Investigator

9. Universiti Sains Malaysia, Short-Term Grant
(15/06/2012-14/12/2014)
Comparative Study of Broadband and Quranic Rhythmic Therapy for Tinnitus from Neurocognitive Perspectives. Role: Co-Investigator

10. Universiti Sains Malaysia, Short-Term Grant
(15/03/2014-14/03/2016)
Ratio of Nitric Oxide Metabolites in CSF and in Serum of Patients with Subarachnoid Haemorhage: Correlation with Severity and Outcome
Role: Co-Investigator

11. Universiti Sains Malaysia, Research University (Individual) Grant
(1/07/2012-30/06/2015)
Evaluation Of Neuroprotective Effects Of Tualang Honey On Paraquat-Induced Oxidative Stress & Dopaminergic Neuron Damage In The Rat Brain. Role: Co-Investigator

GRADUATED STUDENTS :

1. Name: Nurul Iman Wan Ismail (Oct 2014)
Title: CB1 cannabinoid receptor in brain mesolimbic system of Mitragynine-sensitised Swiss albino mice as a candidate molecular target in Mitragyna speciosa (Ketum) addiction
Role: Main Supervisor (Master of Science, Neuroscience)

2. Name: Nanthini Jayabalan (Oct 2014)
Title: Cerebellar CB1 cannabinoid receptors as candidate molecular target of Mitragynine speciosa (Ketum) addiction
Role: Main Supervisor (Master of Science, Neuroscience)

3. Name: Noor Aini Hussain (Nov 2015)
Title: The impact of a home-based supportive educative learning (CSEL) program on family caregivers of home-based stroke survivors in Kelantan. *Role: Co-Supervisor (Doctor of Philosophy)*

4. Name: Hussain Al-Zahrani (Nov 2015)
Title: Optimisation of isodiospyrin concentrations as putative inhibitory actions on exon skipping in Duchenne Muscular Dystrophy
Role: Main Supervisor (Master of Neuroscience)

5. Name: Koh Jun Hao (Nov 2015)
Title: Neurocognitive dysfunctions among chronic tinnitus sufferers in specialist tertiary centre in East Coast
Role: Main Supervisor (Master of Neuroscience)

6. Name: Wan Arfah Wan Mohamad (May 2016)
Title: Development of statistical prognostic models in first-ever stroke patients in a hospital-based stroke database
Role: Co-Supervisor (Doctor of Philosophy)

POSTGRADUATE UNDER SUPERVISION :

1. Name: Zuraida Zainun (from Nov 2011, part-time)
Title: Development and evaluation of rhythmic rehabilitation modules for tinnitus from neurocognitive and psychological perspective
Role: Main Supervisor (Doctor of Philosophy)

2. Name: Hossein Adegani Analoie (from Feb 2012)
Title: Neural correlates of mental toughness in University students atheletes – penalty shoot-outs situational hardiness
Role: Main Supervisor (Doctor of Philosophy)

3. Name: Nur Syairah Abd. Rani (from Apr 2014)
Title: Brain frontal theta waves as leads to neural representations of melodic and rhythmic Holy Quran
Role: Main Supervisor (Doctor of Philosophy)

4. Name: Iza Shazanita Isa (from Feb 2014)
Title: New features extraction method based on white matterlesionsfrom MRI images for neural network input classification of small vessel stroke predisposition
Role: Co-Supervisor (Doctor of Philosophy)

5. Name: Nur Shafika Mohd Sairazi (from Feb 2014)
Title: Neuroprotective Effect of Tualang Honey on Kainic Acid (KA) Mediated Excitotoxicity in Rat Brains
Role: Co-Supervisor (Doctor of Philosophy)

6. Name: Roslina Rashid (from Sept 2014)
Title: A study on *Isodiospyrin* putative inhibitory actions against exonic splicing enhancers of dsytrophin gene exon skipping in Duchenne Muscular Dystrophy
Role: Co-Supervisor (Doctor of Philosophy)

7. Name: Che Nasril Che Yusof (from Feb 2015)
Title: Potential microthrombogenic markers for cerebral small vessel disease (CSVD) spectrum in apparently asymptomatic individuals from diffusion tensor imaging (DTI) studies and haemostatic assays.
Role: Main Supervisor (Doctor of Neuroscience)

8. Name: Nurul Iman Wan Ismail (from Feb 2016)
Title: The role ofmesolimbic system and lateral habenula molecular targets ($GluA_1$, NK_1 and CB_1 receptors) of Mitragynine-sensitised Swiss albino mice in *Mitragyna speciosa* Korth (Ketum) addiction
Role: Main Supervisor (Doctor of Philosophy)

9. Name: Nur Aimi Zawami Ahmad (from Feb 2016)
Establishing the role of Endocannabinoid CB1 receptor in initiating abuse potential of Mitragyna speciosa Korth (Ketum) alkaloid, Mitragynine in sensitised albino Swiss mice
Role: Main Supervisor (Doctor of Neuroscience)

10. Name: Nurfaizatul Aisyah Ab Aziz (Feb 2015)
Title: Exploring alpha brainwaves as neural correlate of melodic, rhythmic verse of Holy Quran
Role: Main Supervisor (Master of Neuroscience)

11. Name: Mazira Mohamad Ghazali (Feb 2015)
Title: Correlations Between Ischemic Cerebral White Matter Changes And The Neurocognitive Profiles In Apparently Asymptomatic
Individuals. Role: Main Supervisor (Master of Neuroscience)

12. Name: Mas Syazwanee Shab (Feb 2016)
Title: Implicating theta brainwaves as neural correlate of melodic, rhythmic verse of ayatul kursi from Holy Quran
Role: Main Supervisor (Master of Neuroscience)

13. Name: Amanina Ahmad Safri (Feb 2016)
Title: Comparative study of pipeline processing using two different dti softwares in assessing white matter integrity in cerebral small vessel disease (CSVD) among asymptomatic individuals
Role: Main Supervisor (Master of Neuroscience)

14. Name: Ummi Nasrah (Feb 2016)
Title: Determining endocannabinoid cb1 receptor involvement in rewarding properties of low dose mitragyna speciosa korth (ketum) alkaloid mitragynine abuse liability using conditioned place preference (CPP). *Role: Main Supervisor (Master of Neuroscience)*

15. Name: Waqiyuddin Abdullah (Feb 2016)
Title: Implicating gamma brainwaves as neural correlate of melodic, rhythmic verse of ayatul kursi from Holy Quran. *Role: Main Supervisor (Master of Neuroscience)*

16. Name: Nadia Izzati Nordin (Feb 2016)
Title: Establishing TheNeuropotective Effect of Tualang Honey on Kainic Acid-(KA) Mediated Excitotoxicity in Rat Hippocampus
Role: Co-Supervisor (Master of Neuroscience)

PATENTS/ COPYRIGHTS/ FILING	:	CRLY00003457 – MyIPO (2016): Automatic detection of white matter hyperintensities (WMH) severity

3. CURRENT RESEARCHS AND PAST RELATED RESEARCHS:

- Addiction neurobiology
- Cognitive neuroscience
- Cerebrovascular diseases
- Neurogenetics

4. RESEARCH PUBLICATIONS:

1. **Muzaimi M**, Ravine D, Wiles CM, Compston DAS, Robertson NP. "Task-specific focal dystonia: a presentation of spinocerebellar ataxia type 6*" J Neurology, Neurosurgery and Psychiatry 2003* (74): 1444-1445

2. **Muzaimi M**, Thomas J, Rosser L, Palmer-Smith S, Ravine D, Harper PS, Wiles CM, Robertson NP. "A population-based study of late onset cerebellar ataxia in SE Wales" *J Neurology, Neurosurgery and Psychiatry 2004* 75(8):1129-35

3. **Muzaimi M**, Thomas J, Palmer-Smith S, Rosser L, Stroud A, Wynne H, Sutherland I, Enderby P, Ravine D, Harper PS, Wiles CM, Robertson NP. "Idiopathic late onset cerebellar ataxia (ILOCA): insights from cases in SE Wales, UK" *European Journal of Neurology 2003* (10:1): 13 (Abstract)

4. **Muzaimi M**, Rosser L, Palmer-Smith S, Ravine D, Harper PS, Wiles CM, NP Robertson. "A population-based study of late onset cerebellar ataxia in SE Wales" *J Neurology, Neurosurgery and Psychiatry 2003* (74): 1443 (Abstract)

5. **Muzaimi M**, Sutherland I, Wiles CM, Enderby P, Robertson NP. "Assessment of ataxia severity using Ataxia Rating Scale in late onset cerebellar ataxia patients" *J Neurology, Neurosurgery and Psychiatry 2003* (74): 1452 (Abstract)

6. **Muzaimi M**, Clover L, Lang B, Vincent A, Robertson NP. "Role of anti-neuronal autoantibodies in population-based samples of apparently idiopathic late onset cerebellar ataxia" *J Neurology, Neurosurgery and Psychiatry 2003* (74): 1455 (Abstract)

7. **Muzaimi M**, Lang B, McKnight K, Vincent A, Robertson NP. "The role of anti-glutamic acid decarboxylase autoantibodies (GAD-Ab) in idiopathic late onset cerebellar ataxia" *J Neuroimmunology 2004* (154); 1-2: 100 (Abstract)

8. **Muzaimi M**, Clover L, Vincent A, Robertson NP. "Gluten ataxia – insights from population-based patients with idiopathic late onset cerebellar ataxia" *J Neuroimmunology 2004* (154); 1-2: 108 (Abstract)

9. **Muzaimi M**, Clover L, Lang B, Wiles CM, Vincent A, Robertson NP. "Population-based perspective of anti-neuronal autoantibodies in patients with idiopathic late onset cerebellar ataxia" *J Neuroimmunology 2004* (154); 1-2: 197 (Abstract)

10. **Muzaimi M**, HGM Shetty, S Fernandez, T Nicholson. "Outcome of patients treated in an organised stroke rehabilitation unit in Cardiff, United Kingdom." *International Journal of Stroke 2006* (1); Supplement 1: 85 (Abstract)

11. **Muzaimi M**, Singh I, Nicholson T, HGM Shetty. "Laterality of hemispheric strokes: functional outcomes of patients managed in a stroke rehabilitation unit." *European Journal of Neurology 2007* (14); Supplement 1: 75 (Abstract)

12. Majouine L, Wardle M, **Muzaimi M**, Cross H, Morris H, Williams M, Robertson NP. "Genetic analysis of sporadic and familial ataxia in Wales" *Neuroscience Letters 2007* Dec 11;429(1):28-32.

13. Wardle M, Majounie E, **Muzaimi M**, Williams NM, Morris HR, Robertson NP. "Genetic aetiology of late-onset chronic progressive cerebellar ataxia: a population-based study. *J Neurology 2009* Mar;256(3):343-8.

14. Bousser MG, Amarenco P et.al on behalf of **PERFORM Study Investigators**. "The Prevention of Cerebrovascular and Cardiovascular Events of Ischaemic Origin with Terutroban in Patients with a History of Ischaemic Stroke or TIA: Baseline Characteristics of the Population". *Cerebrovascular Diseases April 2009*; 27(5): 608 – 13

15. Bousser MG, Amarenco P et.al on behalf of **PERFORM Study Investigators**: "Rationale and Design of a Randomised, Double-Blind, Parallel-Group Study of Terutroban 30mg/day versus Aspirin 100mg/day in Stroke Patients".*Cerebrovascular Diseases May 2009*; 27(6): 509 -18

16. **Muzaimi M**, Shetty H, Nicholson T. Stroke in young adults in southeast wales, UK: a cohort from a stroke rehabilitation unit. *International Journal of Stroke 2010*, 5 (S2): 974

17. **Muzaimi M**, Shetty H, Nicholson T. Gender disparities in 614 ischaemic stroke patients in Southeast Wales, UK. *International Journal of Stroke 2010*, 5 (S2): 1086

18. Reza, F; Omar, H; Ahmed, AL; Begum, T; **Muzaimi, M**; Abdullah, JM Brain waves after short duration exercise induced by a wooden tooth brush as a physical agent: a pilot study. *International Conference on Biomedical Engineering, Volume 35 IFMBE Proceedings 2011*: 480-483

19. Zamzuri I, Badrisyah I, Rahman GI, Pal HK, **Muzaimi M**, Jafri AM, Mar W, Shafie AM, Nik Ruzman NI, Biswal BM, Ahmad Z. LINAC based radiosurgery and radiotherapy for neurosurgical diseases: what have we learnt so far. *Medical Journal of Malaysia 2011* 66 (4): 341-344

20. Idris Z, Ghani ARI, Idris B, **Muzaimi M**, Awang S, Pal HK, Abdullah JM. Neuronavigation Guided Endoscopic Management of Pineal Region Tumour with Obscured Floor of the Third Ventricle. *Minimally Invasive Neurosurgery 2011*, 54 (3): 125-127

21. Hazim AI, **Muzaimi M**, Mansor SM. The effects on motor behaviour and short-term memory tasks in mice following an acute administration of Mitragyna speciosa alkaloid extract and mitragynine. *Journal of Medicinal Plants Research 2011*, 5 (24): 5810-5817

22. Zurina Hassan, **M Muzaimi**, Visweswaran Navaratnam, Nurul H.M. Yusoff , Farah W. Suhaimi, Rajakumar Vadivelu, Balasingam K. Vicknasingam, Davide Amato, Stephan von Hörsten, Nurul I.W. Ismail, Nanthini Jayabalan, Ammar I. Hazim, Sharif M. Mansor, Christian P. Müller . From Kratom to mitragynine and its derivatives: Physiological and behavioural effects related to use, abuse, and addiction. *Neuroscience and Biobehavioural Reviews 2012, dx.doi.org/10.1016/j.neubiorev.2012.11.012*

23. Hazim AI, Ramanadan S, Parthasarthy S, **Muzaimi M**, Mansor SM, Anxiolytic-like effects of mitragynine in the open-field and elevated plus-maze tests in rats. *The Journal of Physiological Sciences 2014,* doi 10.1007/s12576-014-0304-0

24. Idris Z, **Muzaimi M**, Abdullah JM Microgravity environment and compensatory: Decompensatory phases for intracranial hypertension form new perspectives to explain mechanism underlying communicating hydrocephalus and its related disorders. *Asian Journal of Neurosurgery 2014,9(1):7-13.*

25. Zamzuri Idris, **Muzaimi M**, Rahman Izaini Ghani, Badrisyah Idris, Regunath Kandasamy, Jafri M Abdullah. Principles, Anatomical Origin and Applications of Brainwaves: A Review, Our Experience and Hypothesis Related to Microgravity and the Question on Soul. *J. Biomedical Science and Engineering, 2014, 7, 435-445.*

26. Noor Aini Hussain, Mohamed Rusli Abdullah, Abdul Rahman Esa, **Muzaimi M**. Predictors of life satisfaction among familyc of hospitalized first-ever stroke patients in Kelantan. *ASEAN Journal of Psychiatry 2014,15(2):164-175.*

27. Thenmoly D,Z Hassan,V Navaratnam, **Muzaimi M**, G Ng, CP Muller, P Liao, HC Dringenberg. Time course of motor and cognitive functions after chronic cerebral ischaemia in rats. *Behavioural Brain Research 2014, 275:252-258*

28. Nanthini Jayabalan, Nurul Iman W Ismail, Sharif M Mansur, Christian P Muller, **M Muzaimi.** Cerebellum and Endocannabinoid Receptors: A New Possible Neurobiological Link For Mitragynine (Mitragyna Speciosa korth) Abuse Liability*. Journal of Addiction and Dependence*, 2015.

29. Wan Arfah Nadiah, Wan Muhammad Amir W Ahmad, **M Muzaimi**, Mustafa Mamat, Nyi Nyi Naing. Determinants of Mortality in First-Ever Stroke Patients in the Suburban Malaysia: A Retrospective Hospital-Based Study (2005-2011*). Iran Journal of Public Health*, 2015

30. Wan Arfah Nadiah, Wan Muhammad Amir W Ahmad, **M Muzaimi**, Mustafa Mamat, Nyi Nyi Naing. Associated Factors of Mortality In First-Ever Stroke Patients. *ARPN Journal of Engineering and Applied Sciences*, 2015

31. Analuie Hossein, Mohd Faruque Reza, Soumendra Saha Hairul, Anwar Hashim, **M Muzaimi**. Relationship Between Mental Toughness And Trait Anxiety In Sports. *International Journal of Pharma and Bio Sciences*, 2016 July 7(3): (B) 275 - 281

32. Nur Shafika Mohd Sairazi, K.N.S Sirajudeen, Mohd Asnizam Asari, **M Muzaimi**, Swamy Mummedy, Siti Amrah Sulaiman. Kainic Acid-Induced Excitotoxicity Experimental Model: Protective Merits of Natural Products and Plant Extracts. *Evidence-Based Complementary and Alternative Medicine*, 2015

33. Iza Sazanita Isa, Siti Noraini Sulaiman, **M Muzaimi**. New Features Extraction based on MRI Brain White Matter and Small Vessel Stroke Prediction for Neural Network Input Classification. *IEEE Computer Society*, 2015

34. **M Muzaimi**. Book Chapter. 'Neurotechnological Advances in Exploring Melodic Recitation of the Noble Qur'an: Uncovering the Neural Circuitry in the Human Brain' in M.H. Kamali et al. (eds.), *Islamic Perspectives on Science and Technology*, 2016 (Springer)

35. Zuraida Z, Muhammad Nur Hilmi CH, Mohd Normani Z, Nik Adilah NO, **M Muzaimi,** Zefarina Z. Determination of the Neurocognitive Status Using Objective Measurement: p300 among Tinnitus Patients. *International Medical Journal*, 2016 (in press)

36. Nurul Iman W Ismail, Nanthini Jayabalan, , Sharif M Mansur, Christian P Muller, **M Muzaimi.** Chronic mitragynine (kratom) enhances punishment resistance in natural reward seeking and impairs place learning in mice*. Addiction Biology*, 2016; doi:10.1111/adb.12385 (in press)

37. Iza Sazanita Isa, SN Sulaiman, MF Abdullah, NMD Tahir, NKA Karim. **M Muzaimi**. New Image Enhancement Technique for WMH Segmentation of MRI FLAIR Image . *IEEE Computer Society*, 2016

38. Suk Peng Tang, Sirajudeen Kuttulebbai Nainamohamed Salam, Hasnan Jaafar, Siew Hua Gan, **M Muzaimi**, Siti Amrah Sulaiman. Tualang Honey Protects the Rat Midbrain and Lung against Repeated Paraquat Exposure. *Oxidative Medicine and Cellular Longevity,* 2017 (in press)

39. NS Mohd Sairazi, Sirajudeen K.N.S., MA Asari Asari, Swamy Mummedy, **M Muzaimi** , Siti Amrah Sulaiman. Effect of Tualang Honey against KA-Induced Oxidative Stress and Neurodegeneration in the Cortex of Rats. *BMC Complementary and Alternative Medicine,* 2017 (in press)