

CURRICULUM VITAE



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

Nama Penuh <i>(Full Name)</i>	Rozi Mahmud		Gelaran <i>(Title)</i> : Prof Dr.
No. MyKad / No. Pasport <i>(Mykad No. / Passport No.)</i>	Warganegara <i>(Citizenship)</i> Malaysia	Bangsa <i>(Race)</i> Malay	Jantina <i>(Gender)</i> Female
Jawatan <i>(Designation)</i>	Professor	Tarikh Lahir <i>(Date of Birth)</i>	04/09/1963

Alamat Semasa <i>(Current Address)</i>	Jabatan/Fakulti <i>(Department/Faculty)</i>	E-mel dan URL <i>(E-mail Address and URL)</i>
Tel: -	Imaging Department, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia Tel: 03-89472512 Fax:03-89426957	E-mail: rozi@upm.edu.my h/p: 012-2052424

B. KELAYAKAN AKADEMIK *(Academic Qualification)*

Nama Sijil / Kelayakan <i>(Certificate / Qualification obtained)</i>	Nama Sekolah Institusi <i>(Name of School / Institution)</i>	Tahun <i>(Year obtained)</i>	Bidang pengkhususan <i>(Area of Specialization)</i>
Bachelor of Medicine	Universiti Malaya	1988	-
Master in Radiology (Mmed Rad)	Universiti Kebangsaan Malaysia	1995	Radiology
Digital Breast Imaging and Biopsy Technique Training	Wijaya International Medical Center	2004	Digital Breast Imaging and Biopsy

C. KEMAHIRAN BAHASA *(Language Proficiency)*

Bahasa / Language	Lemah <i>Poor (1)</i>	Sederhana <i>Moderate (2)</i>	Baik <i>Good (3)</i>	Amat Baik <i>Very good (4)</i>	Cemerlang <i>Excellent (5)</i>
English					5
Bahasa Melayu					5
Chinese					-
Lain-lain <i>(other)</i> :					-

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN (<i>Scientific experience and Specialisation</i>)				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
Universiti Teknologi Mara	Consultant Radiology	2006	Present	Radiology
Golden Palace Health Sanctuary	Consultant Radiology	2008	Present	Radiology

E. PEKERJAAN (<i>Employment</i>)				
<i>Majikan / Employer</i>	<i>Jawatan / Designation</i>	<i>Jabatan / Department</i>	<i>Tarikh lantikan / Start Date</i>	<i>Tarikh tamat / Date Ended</i>
Universiti Malaya Medical Centre (UMMC)	Senior lecturer	Clinical	1988	2000

F. ANUGERAH DAN HADIAH (<i>Honours and Awards</i>)				
<i>Name of awards</i>	<i>Title</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
<i>Academic Awards</i>	<i>Persidangan dan ekspo ciptaan institusi pengajian tinggi antarabangsa</i>	Universiti Teknologi Mara	International	2011
<i>Academic Awards</i>	<i>International invention, innovation and tecnology exhibition</i>	C.I.S Network Sdn. Bhd	International	2012

G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (<i>List of publications – author (s), title, journal, volume, page and year published</i>)	
<i>Journal</i>	As attached in appendix 1
<i>Books/Monographs</i>	As attached in appendix 1
<i>Chapter in book</i>	As attached in appendix 1
<i>Proceedings</i>	As attached in appendix 1
<i>Other publications</i>	-
<i>Computer software</i>	-

H. PROJEK PENYELIDIKAN TERDAHULU (<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>
As attached in appendix 2	As attached in appendix 2	As attached in appendix 2	As attached in appendix 2	As attached in appendix 2	As attached in appendix 2

Appendix 1

PUBLICATIONS

A. Scientific papers-journal/proceedings/abstracts

JOURNALS

1. Salih Q.A., Ramli A.R., **Mahmud R.**, Wirza R (2005). Brain white and gray matter anatomy of MRI segmentation based on tissue evaluation. *MedGenMed.*; 7(2): 1

(ISSN:1531-0132, OCLC: 44580465, IF 1.87 citation)

2. Al-Qdah M., Ramli A.R., **Mahmud R** (2005). A system of microcalcifications detection and evaluation of the radiologist: comparative study of three main races in Malaysia. *Computers in Biology and Medicine*, 35(10): 905-14.

(ISSN: 0010-4825, IF 1.269 citation)

3. Majidi Al-Qdah, Abd. Rahman Ramli, **Rozi Mahmud** (2004). A new tool to record and evaluate the radiologist's findings with specific design for Malaysian women. *The Internet Journal of Medical Technology*,2(1).

(ISSN 559-4610, IF 1.269 citation)

4. Langarizadeh M., **Mahmud R** (2008). Utilizing electronic medical records in Iran. *The Internet Journal of Medical Informatics*, 4(1).

(ISSN 1937-8300, IF 0.97 citation)

5. Qussay A. Salih, Abdul Rahman Ramli, **Rozi Mahmud**, Rahmita Wirza (2004). 3D visualization for blood cells analysis versus edge detection. *The Internet Journal of Medical Technology*, 1(2).

(ISSN 559-4610, IF 1.269 citation)

6. Qussay A. Salih, Abdul Rahman Ramli, **Rozi Mahmud**, Rahmita Wirza (2004). MR image evaluation for intensity group cluster segmentation of T1 and T2 weighted axial sliced section. *The Internet Journal of Radiology*, 3(2).).

(ISSN: 1528-8404, IF 1.269 citation)

7. Lau Sieng Chou, **Rozi Mahmud**, Qussay A. Salih (2005). Color doppler ultrasound examination of the main portal vein and inferior vena cava in normal Malaysian adult population: a fasting and post prandial evaluation. *The Internet Journal of Cardiovascular*, 2(1).

(ISSN 1540-2592 non-citation)

8. Ramli K., Abdullah B.J.J., Ng K.H., **Mahmud R.**, Hussain AF (2005). Computed and conventional chest radiography: a comparison of image quality and radiation dose. *Australasian Radiology*, 49: 460-466.

(ISSN: 1440-1673. IF 0.602
citation)

9. **Rozi Mahmud** ,S. Ibrahim, (1999). Computed tomography evaluation of pulmonary artery diameter - A study of normal on adult Malaysian subjects. *Asian Oceanian Journal of Radiology*, 4(3).

(non-
citation)

10. **Rozi Mahmud** ,J. Mahadevan, , Y.H.Yew (2000). Case report: Adenomyomatosis of gallbladder diagnosed on MRI and ultrasound. *Asian Oceanian Journal of Radiology*, 5(2).

(non-
citation)

11. M. Langarizadeh & **R. Mahmud** (2009). A new tool to manipulate computed digital mammograms . *The Internet Journal of Medical Technology*, 5(1).

(ISSN 559-4610, IF 1.269
citation)

12. Saripan, M.I., Mohd Saad, W.H., Hashim, S., **Mahmud, R.**, Nordin, A.J., Mahdi, M.A. (2009). Monte carlo simulation on breast cancer detection using wire mesh collimator gamma camera *Nuclear Science, IEEE Transactions*, Volume 56(3), Part 2, Page(s):1321 – 1324.

(ISSN: 0018-9499 Impact Factor 1.595
citation)

13. Langarizadeh, M., **Mahmud, R.**, Ramli, A.R., Napis, S., Beikzadeh, M.R., Wan Abdul Rahman. W.E.Z (2010). Effects of enhancement methods on diagnostic quality of digital mammogram images. *Iranian Journal of Cancer Prevention*, 3(1): 36-41.

(ISSN 2008-2401 Indexed, non-
citation)

14. A. Alshehri, S. Khatun A.B. Jantan, R.S.A. Raja Abdullah, **R. Mahmud**, Z. Awang (2011). Experimental breast tumor detection using nn-based uwb imaging. *Progress In Electromagnetics Research*, Vol. 111: 447-465.

(ISSN: 1070-4698, IF 3.763
citation)

15. Mostafa Langarizadeh, **Rozi Mahmud**, Abd. Rahman Ramli, Suhaimi Napis, Mohammad Reza Beikzadeh, Wan Eny Zarina Wan Abdul Rahman (2010). Effects of image processing techniques on mammographic phantom images: a pilot study. *Pertanika J. Sci. & Technol.* 19(1): 67-76.

(ISSN: 0128-7680, Indexed non-
citation)

16. Rosniza Roslan, Nursuriati Jamil, **Rozi Mahmud** (2011). Skull stripping magnetic resonance images brain images: region growing versus mathematical morphology. *International Journal of Computer Information Systems and Industrial Management (IJCSIM)*. Vol.3.

(ISSN: 2150-7988, IF
0.462)

17. M.A. Balafar Abd. Rahman, Iqbal Saripan, Syamsiah Mashohor, **Rozi Mahmud** (2010). Medical image segmentation using fuzzy c-mean (fcm) and user specified data. *Journal of Circuits, Systems and Computers (JCSC)*. Vol.19(1): 1-14.

(ISSN: 0218-1266, IF

0.6667)

18. Aminah Abdul Malek, Wan Eny Zarina Wan Abdul Rahman, Arsmah Ibrahim, **Rozi Mahmud**.

An automated seed point selection for seed based region growing in segmenting microcalcifications (2010). *The International congress on Computer Applications and Computational Science (CACCS)* – accepted and to be published in International Journal of Computational Science, 2011.

19. Fatemah Mohammadi, **Rozi Mahmud** (2011). Reproductive factors influencing bone mineral

density in postmenopausal Malaysian women – accepted and to be published in Asia-Pacific Journal of Public Health, 2011.

20. M.A. Balafar, A.R. Ramli, M.I. Saripan, S. Mashohor and **R. Mahmud** (2010). Improved fast fuzzy c-mean and its application in medical image segmentation. *Journal of Circuit, Systems and Computers*. 19(1): 203-214.

(ISSN: 0218-1266, IF

0.6667)

PAPERS/ ABSTRACTS PRESENTED AT INTERNATIONAL SEMINAR/ CONFERENCE/ PRECEEDING

1. Siti Salmah Yasiran, Wan Eny Zarina Wan Abdul Rahman, Arsmah Ibrahim, Zainab Abu Bakar, Mazani Manaf, **Rozi Mahmud**, Md. Saion Salikin (2008). A pilot study in segmenting microcalcifications in computed radiography mammogram images using distance snake. *2nd International Conference on Science & Technology (ISCTIE), UiTM Pulau Pinang*, December 12-13, 2008.

2. Wan Eny Zarina W. Abd. Rahman, Arsmah Ibrahim, Zainab Abu Bakar, **Rozi Mahmud**, Md Saion Salikin, Mazani Manaf (2008). Post processing of breast phantom MRI-156 images using snake algorithm, *Imaging and Visualisation, Fifth International Conference on Computer Graphics*, pp.350-355.

3. Wan Eny Zarina W.A. Rahman, Arsmah Ibrahim, Zainab Abu Bakar, **Rozi Mahmud**, Md Saion Salikin, Mazani Manaf (2008). A pilot study in image enhancement in computed radiography mammogram images using histogram stretching method. *4th Kuala Lumpur International Conference on Biomedical Engineering*.

4. M. A. Balafar, Abdul Rahman Ramli, M. Iqbal Saripan, **Rozi Mahmud**, Syamsiah Mashohor (2008). New multi-scale medical image segmentation based on fuzzy c mean (fcm). *Citiasia: 07/2008: 66-70. Cited Conference Proceedings*.

5. Daryoush Mortazavi, Syamsiah Mashohor, **Rozi Mahmud**, Adznan B. Jantan (2009). A new multi-thresholding technique in segmentation of skull, gray matter, white matter and cerebro spinal fluid from brain MRI. *Conference and exhibition on innovative technologies in intelligent systems and industrial applications citisia09, Monash University, Sunway. Cited Conference Proceedings*

6. Daryoush Mortazavi, Syamsiah Mashohor, **Rozi Mahmud**, Adznan JB. Jantan (2009) Comparison of 3S multi-thresholding with fuzzy c-means method. *Conference and exhibition on*

innovative technologies in intelligent systems and industrial applications citisia09, Monash University, Sunway. Cited Conference Proceedings.

7. Siti Salmah Yasiran, Wan Eny Zarina Wan Abdul Rahman, Arsmah Ibrahim, Zainab Abu Bakar, Mazani Manaf, **Rozi Mahmud**, Md. Saion Saion Salikin (2008). A pilot study in segmenting microcalcifications in computed radiography mammograms images using snake algorithm. *International Conference on Science and Technology: Application in Industry and Education.*

8. Daryoush Mortazavi, Syamsiah Mashohor, **Rozi Mahmud**, Abdul Rahman Ramli (2009). A new multi-thresholding method segmentation of brain tissues from brain magnetic resonance images. *International Conference Wavelet Analysis and Pattern Recognition (ICWAPR). Cited Conference Proceedings.*

9. Majdi Al-Qdah, **Rozi Mahmud**, Nani Adilah Suhaimi, Abd. Rahman Ramli, Rahmita Wirza (2004). Investigating the race factor in mammography. *WSEAS Transactions on Systems*, 10(3). *Cited Conference Proceedings.*

10. Rohana Embong, Wan Eny Zarina W.Abd. Rahman, Tahir Ahmad, **Rozi Mahmud**, Arsmah Ibrahim, Zainab Abu Bakar, Md Saion Salikin, Abdul Kadir Jumaat. (2009). Boundary segmentation of tumor regions using snake algorithms in digital mammography images. *Proceedings of The 7th International Conference on Robotics, Vision, Signal Processing, & Power Applications (RoViSP 2009), Penang, Malaysia, 19-20 December.*

11. Abdul Kadir Jumaat, Wan Eny Zarina W.A.Rahman, Arsmah Ibrahim, **Rozi Mahmud**. (2010). Comparison of ballon snake and GVF snake in segmenting masses from breast ultrasound images. *ICCRD*: 505-509.

12. Rohana Embong, Wan Eny Zarina Wan Abd Rahman, Tahir Ahmad, **Rozi Mahmud**, Arsmah Ibrahim, Zainab Abu Bakar & Md Saion Salikin. 2009. Pixel area validation of segmented malignant tumors in digital mammographic images. *5th IMT-GT International Conference on Mathematics, Statistics and Their Applications (ICMSA09)*, Bukit Tinggi, West Sumatera, Indonesia, June 9-11.

13. [M. A. Balafar](#), [Abd Ramli](#), [Iqbal M. Saripan](#), **Rozi Mahmud**, [Syamsiah Mashohor](#), Syahmsiah Balafar, Hakimeh (2008). MRI segmentation of medical images using FCM with initialized class centers via genetic algorithm. *ITSim*, 4: 1-4. *Cited Conference Proceedings.*

14. K Ramli, K H Ng, B J Abdullah, **R Mahmud**, A F Hussain (2005). Assessment of Image Quality of Film-screen and Selenium Drum Chest Radiography Using a Chest Phantom, *15th Asian Conference of Radiological Technologist, Makuhari-Messe, Japan*, pg. 89.

*(Non-ISI/Non-SCOPUS Cited
Publication)*

15. Abdul Kadir Jumaat, Wan Eny Zarina Wan Abdul Rahman, Arsmah Ibrahim, **Rozi Mahmud** (2010). Segmentation of Masses from Breast Ultrasound Images using Parametric Active Contour Algorithm. *International Conference on Mathematics Education Research (ICMER).*

16. Ali Farzan, Syamsiah Mashohor, Abd. Rahman Ramli, **Rozi Mahmud** (2010). Statistical approach to human identification using Iris Patterns. *The 3rd national intelligent systems and information technology symposium (ISITS).*

17. Ali Farzan, Syamsiah Mashohor, Abd. Rahman Ramli and **Rozi Mahmud** (2011). Fuzzy diagnostics of AD subject using whole brain atrophy patterns. *3rd International Conference on Machine Learning and Computing (ICMLC).*

18. Aminah Abdul Malek , Wan Eny Zarina Wan Abdul Rahman, Arsmah Ibrahim and **Rozi Mahmud** (2010). An automated seed point selection for seed based region growing in segmenting microcalcifications. *International Congress on Computer Applications and Computational Science (CACCS)*, 4-6 December 2010, Singapore.
19. Aminah Abdul Malek , Wan Eny Zarina Wan Abdul Rahman, Arsmah Ibrahim **Rozi Mahmud** (2010). Region and Boundary Segmentation of Microcalcifications using Seed-Based Region Growing and Mathematical Morphology. *International Conference on Mathematics Education Research 2010 (ICMER)*.
20. Abdul Kadir Jumaat, Wan Eny Zarina W.A.Rahman, Arsmah Ibrahim and **Rozi Mahmud** (2010). Comparison of Balloon Snake and GVF Snake in Segmenting Masses from Breast Ultrasound Images. *The International Conference on Applied Physics and Mathematics (ICAPM)*.
19. Rosniza Roslan, Nursuriati Jamil and **Rozi Mahmood** (2010). Skull Stripping of MRI Brain Images using Mathematical Morphology. *IEEE EMBS Conference on Biomedical Engineering & Sciences (IECBES 2010)*. ISBN: 978-1-4244-7598-8.
20. Mohammad Ali Balafar, Abd. Rahman Ramli, M.Iqbal Saripan, **Rozi Mahmud**, and Syamsiah Mashohor (2008). New multi-scale medical image segmentation based on fuzzy c mean (fcm). *IEEE Conference on Innovative Technologies in Intelligent Systems and Industrial Applications (CITISIA)*.
21. M. A. Balafar, Abd. Rahman Ramli, M. Iqbal Saripan, **Rozi Mahmud**, and Syamsiah Mashohor (2008). Medical Image Segmentation Using Anisotropic Filter, User Interaction and Fuzzy C-Mean (FCM). *Chapter Advanced Intelligent Computing Theories and Applications. With Aspects of Contemporary Intelligent Computing Techniques, Springer Berlin Heidelberg*, Vol 15: 169-176.
22. M. A. Balafar, Abd. Rahman Ramli, M. Iqbal Saripan, **Rozi Mahmud**, and Syamsiah Mashohor (2008). Medical Image Segmentation Using Fuzzy C-Mean (FCM), Learning Vector Quantization (LVQ) and User Interaction. *Chapter Advanced Intelligent Computing Theories and Applications. With Aspects of Contemporary Intelligent Computing Techniques, Springer Berlin Heidelberg*, Vol 15: 177-184.
23. M. A. Balafar, A. Rahman Ramli, M. Iqbal Saripan, **Rozi Mahmud**, and Syamsiah Mashohor (2008). Medical image segmentation using fuzzy c-mean (fcm) and dominant grey levels of image. *5th IET Visual Information Engineering 2008 Conference (VIE'08)*, pages 314-317.
26. M. A. Balafar, A. Rahman Ramli, M. Iqbal Saripan, **Rozi Mahmud**, Syamsiah Mashohor, and Hakimeh Balafar (2008). MRI segmentation of medical images using fcm with initialized class centers via genetic algorithm.
27. M.A.Balafar, Abd Rahman Ramli , M. Iqbal Saripan, **Rozi Mahmud** and Syamsiah Mashohor (2008). Medical Image Segmentation Using Anisotropic Filter, User Interaction and Fuzzy C-Mean (FCM). *4 th International Conference on Intelligent Computing (ICIC 2008), Shanghai, China*, 15–18 September, pp. 169 – 176.
28. M.A.Balafar, Abd Rahman Ramli , M. Iqbal Saripan, **Rozi Mahmud** and Syamsiah Mashohor (2008). Medical Image Segmentation Using Fuzzy C-Mean (FCM), Learning Vector Quantization (LVQ) and User Interaction. *4 th International Conference on Intelligent Computing (ICIC 2008), Shanghai, China*, 15 – 18 September 2008, pp 177 – 184.

29. M.A.Balafar, Abd Rahman Ramli , M.Iqbal saripan, **Rozi Mahmud**, Syamsiah Mashohor and Hakimeh Balafar (2008). MRI Segmentation of Medical Images Using FCM With Inialized Class Centres Via Genetic Algorithm. *3rd International Symposium on Information Technology (ITSim'08)*, Kuala Lumpur, 26 - 29 August.

30. M.A.Balafar, Abd.Rahman Ramli , M.Iqbal Saripan, **Rozi Mahmud**, Syamsiah Mashohor (2008). Medical Image Segmentation Using Fuzzy C-Mean (FCM) and Dominant Grey Levels of Image, *5th International Conference on Visual Information Engineering, Xi'an, China*, 29 July – 1 August, pp. 314 – 317.

31. M.A.Balafar, Abd Rahman Ramli , M.Iqbal Saripan, **Rozi Mahmud**, Syamsiah Mashohor and Molod Balafar (2008). New Multi-Scale Medical Segmentation Based on Fuzzy C-Mean (FCM). *2nd IEEE Conference on Innovative Technologies in Intelligent Systems and Industrial Applications, Cyberjaya*, 12 – 13 July 2008, pp. 66 – 70.

32. Mohammad Ali Balafar, Abd. Rahman Ramli, M.Iqbal Saripan, **Rozi Mahmud**, and Syamsiah Mashohor (2008). New multi-scale medical image segmentation based on fuzzy c mean (fcm). *IEEE Conference on Innovative Technologies in Intelligent Systems and Industrial Applications (CITISIA)*.

PAPERS/ ABSTRACTS PRESENTED AT NATIONAL SEMINAR/ CONFERENCE/ PRECEEDING

1. Siti Salmah Yasiran, Wan Eny Zarina Wan Abdul Rahman, Arsmah Ibrahim, Zainab Abu Bakar, Mazani Manaf, **Rozi Mahmud**, Md. Saion Salikin (2008). Segmenting abnormalities in computed radiography mammogram images using snakes algorithm. *National Conference on Application of Science and Mathematic, Batu Pahat, Johor*, November 24-25.

2. **R. Mahmud**, A.S. Sakijan, K. Wolfgang (1998). Ventricular brain ratio on CT scan in chronic schizophrenics. *Malaysian Radiological Society, 20th AGM & Scientific Meeting*, July 12-13, 1998.

3. Rohana Embong, Wan Eny Zarina Wan Abd Rahman, Tahir Ahmad, **Rozi Mahmud**, Arsmah Ibrahim, Zainab Abu Bakar & Nurul Ain Ismail (2008). Image segmentation of mammography images using fuzzy c-means clustering algorithm. *Seminar Kebangsaan Sains Matematik (SKASM), Johor*, 24 - 25 November.

4. Rosniza Roslan, **Rozi Mahmud**. (2010). Skull striping of MRI brain images using mathematical morphology. *SOCPaR*.

5. Rohana Embong, Wan Eny Zarina Wan Abd Rahman, Tahir Ahmad, **Rozi Mahmud**, Arsmah Ibrahim, Zainab Abu Bakar & Nurul Ain Ismail (2008). Image Segmentation of Mammography Images Using Fuzzy C-means Clustering Algorithm. *Seminar Kebangsaan Aplikasi Sains dan Matematik 2008 (SKASM08), Batu Pahat, Johor, Malaysia*, 24-25 November: pp 215-220.

6. Rohana Embong, Wan Eny Zarina Wan Abd Rahman, Tahir Ahmad, **Rozi Mahmud**, Arsmah Ibrahim, Zainab Abu Bakar & Md Saion Salikin (2009). Pixel area validation of segmented malignant tumors in digital mammographic images. *The 5th IMT-GT International Conference on Mathematics, Statistics and Their Applications (ICMSA09), Bukittinggi, West Sumatera, Indonesia*, 9-11 June.

POSTER PRESENTATION

1. Rohana Embong, Wan Eny Zarina W.Abd. Rahman, Tahir Ahmad, **Rozi Mahmud**, Arsmah Ibrahim, Zainab Abu Bakar, Md Saion Salikin, Abdul Kadir Jumaat. (2009). Boundary Segmentation of Tumor Regions Using Snake Algorithms in Digital Mammography Images. *The 7th International Conference on Robotics, Vision, Signal Processing, & Power Applications (RoVISP 2009), Penang, Malaysia*, 19-20 December.
2. Nurul Syima H, Ramlah MI, Maznah I, **Rozi M** (2010). Normal uterus size and endometrial thickness of healthy menopausal women in Klang Valley, Malaysia. *5th Malaysian Conference on Healthy Ageing*, 27-29th May.
3. Ramlah MI, Nurul Syima H, Maznah I, **Rozi M** (2010). Prevalence and risk factors of non-alcoholic fatty liver disease among menopausal women in Klang Valley, Malaysia. *5th Malaysian Conference on Healthy Ageing*, 27-29th May.

ARTICLE IN NEWSPAPER/MAGAZINE

1. **Rozi Mahmud** (2006). Kanser payudara dan biopsy stereotaktik. *Utusan Malaysia: Kesihatan*.
2. **Rozi Mahmud** (2009). Fight against breast cancer. *CH Lifestyle and Health, Golden Horses Health Sanctuary*.

PAPERS IN REVIEW/PENDING

1. M.A. Balafar, **Rozi Mahmud** (2009). A new edge-preserving neighbourhood filter for MRI image enhancement. *International Journal of Computer Mathematics*.
2. Mostafa Langarizadeh, **Rozi Mahmud** (2009) Automatic system for determine breast density and detection of breast border, *IET Image Processing*. Manuscript ID: IPR-0150.
3. Lau Sieng Chuo, **Rozi Mahmud**. Color Doppler Ultrasound study of portal vein flow in normal Malaysian Adult, pre and post prandial study. *Internet Journal of Medical Technology*.
4. Mostafa Langarizadeh, **Rozi Mahmud** (2009). Detecting Breast Diseases in Screening Mammography of Different Races in Malaysia. *Journal of Women's Health JWH-2009-1545*.
5. Mostafa Langarizadeh, **Rozi Mahmud** (2009). Effects of Image Processing Techniques on Mammographic Phantom Images: A Pilot Study. *Journal of Women's Health JWH-2009-1544*.
6. Improvement of Digital Mammogram Images Using Enhancement Technique (IHSC-2009-0010), *Journal of Informatics for Health and Social Care*, In Review.
7. A Novel Breast Density Classification Method, *IEEE Transaction on Image Processing*, In Review.
8. M.A. Balafar, Abd. Rahman Ramli, M. Iqbal Saripan, **Rozi Mahmud** and Syamsiah Mashohor. Extensions of Gaussian mixture model fro MRI brain image segmentation. *Journal of bioscience and biotechnology, JBB/702069*, In review.
9. Segmentation of Multiple Sclerosis Lesions in MRI: A Review (MSJ-10-0008), *IEEE Transactions on Medical Imaging TMI-2010-0002*, In review.

Appendix 2

Present Research Activity

04-02-12-2096RU	Genetic Profiling of Malaysian Breast Cancer Patients	Principal investigator	2012	RUGS, UPM	On- going
06-01-04-SF-1495	General health status of indigenous people in Peninsular Malaysia, Sabah and Sarawak	Principal investigator	2012	Science Fund, MOSTI	On- going
-	Classification of ultrasound breast morphology among women of different age of groups and ethnic	Co- researcher	2012	RUGS, UPM	On- going
-	Pattern of emphysema thoraces in paediatric and adult age groups according to pathogens	Co- researcher	2012	RUGS, UPM	On- going
-	Plain abdominal radiograph vs. low dose CT scan in the diagnosis of body packers	Co- researcher	2012	RUGS, UPM	Under review

Completed Research activities

RESEARCH TITLE	ROLE & SOURCE OF FUND	STATUS
1. 2009 Project leader Title of Project: Double blind randomized control trial (a pilot study) of health benefits from Nigella sativa powder and thymoquinone rich fraction in menopausal women	Research University Grant Scheme (RUGS), UPM RM 198, 000 (Vote No 91600)	Completed
2. 2007 Co-researcher Title of Project: Anti-invasive and anti-metastatic activities of new andrographolide derivatives	Sciencefund (RM240, 000)	Completed
3. 2007-2009 Co-researcher Title of Project: Theoretical studies on quantum cryptography	Ministry of Science and Technology Innovation (MOSTI) (RM 59, 000)	Completed
4. 2007-2009 Co-researcher Title of Project: Early breast cancer detection using wire-mesh collimator	Research University Grant Scheme (RUGS), UPM (RM 148,000)	Papers Published
5. Title of Project: Virtual animal autopsy	Fund Ministry of Science and Technology Innovation (MOSTI) (RM 50, 000)	Completed
6. Title of Project: Computer aided diagnosis in breast cancer detection in mammography using wavelet and segmentation method	Ministry of Science and Technology Innovation (MOSTI) (RM 70,000)	Completed, Few Papers Published
7. Title of Project: Image Enhancement and computer aided diagnosis using novel mathematics equation.	MOH	Completed
8. Title of Project: The effect of past use of Depot Medrox Progesteron Acetate on bone mineral density in postmenopausal women	Able Global Sdn Berhad (RM 60,000)	Ethics approved ID: NMRR-08-1574-3120, Data Collection

<p>9. Title of Project: A comparison study of CTLM and mammogram study for sensitivity and specificity</p>	<p>Excellence Fund (RM 11,000) Vote No600-RMI/ST/DANA 5/3/Dst(243/2009)</p>	<p>Data Collection</p>
<p>10. Title of Project: Spectral clustering of magnetic resonance imaging (MRI) brain images for early detection of brain tumor</p>	<p>Ministry of Science and Technology Innovation (MOSTI) (RM180,000)</p>	<p>NMRR Notification: in ResearchID 5160</p>
<p>11. 2010-2011 Co-researcher Title of Project: Spectral clustering of brain magnetic resonance images for early detection of brain tumor</p>	<p>Ministry of Higher Education (RM60,000)</p>	<p>Completed and papers published and present in international conferences</p>
<p>12. Title of Project: CADG in mammography for cancer detection Role: Co-researcher</p>	<p>FRGS UiTM (RM60,000) Vote No600-MI/ST/FRGS 5/3/Fst(24/2008)</p>	<p>Completed</p>
<p>13. 2006-2009 Project leader Title of Project: Mass and microcalcification detection on computed radiography mammogram images</p>	<p>UiTM (Dana Kecemerlangan) (RM10,000) Vote No600-IRDC/ST/DANA5/3/Dst(62/2008)</p>	<p>Completed</p>
<p>14. Title of Project: A hybrid equation for automated detection of breast lesions on ultrasound examination</p>	<p>University of Malaya (RM 10,000) Vote No:F Vote 2000-2001</p>	<p>Completed and papers published and present in international conferences</p>