

CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI (Personal Details)	
Nama Penuh (<i>Full Name</i>) VASANTHAKUMARI NEELA	Gelaran (<i>Title</i>): Dr
Jantina (<i>Gender</i>) FEMALE	Jawatan (<i>Designation</i>) Associate professor

Alamat Semasa (<i>Current Address</i>)	Jabatan/Fakulti (<i>Department/Faculty</i>)	E-mel dan URL (<i>E-mail Address and URL</i>)
Department of Medical Microbiology and Parasitology, Faculty of Medicine and Health Sciences Tel: +603 8947 2507 Fax: 03-89413802	Department of Medical Microbiology and Parasitology, Faculty of Medicine and Health Sciences Tel: +603 8947 2507 Fax: 03-89413802	E-mail: neela@medic.upm.edu.my neela2000@medic.upm.edu.my URL: H/P: +6012 3425852

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>)
Ph.D	Universiti Putra Malaysia	2005	Medical Microbiology
Msc	Universiti Putra Malaysia	2000	Medical Microbiology
Bsc	University of Madras	1997	General Microbiology

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		√			
Chinese					
Lain-lain (<i>other</i>): Tamil				√	

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 Putra Malaysia	Associate professor	November 2011	Till date	Medical Microbiology
Universiti Putra Malaysia	Senior Lecturer	November 2008	November 2011	Medical Microbiology
Universiti Putra Malaysia	Lecturer	November 2006	November 2008	Medical Microbiology

E. PEKERJAAN (Employment)				
<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 Putra Malaysia	Associate professor	Medical Microbiology and Parasitology	November 2011	Till date
Universiti Putra Malaysia	Senior Lecturer	Medical Microbiology and Parasitology	November 2008	November 2011
Universiti Putra Malaysia	Lecturer	Medical Microbiology and Parasitology	November 2006	November 2008

<i>Name of awards</i>	<i>Title</i>
<i>Academic Awards</i>	<ol style="list-style-type: none"> Silver: Potential Hazard from the transfer of livestock associated MRSA ST9 to human Neela, V., E. G. Rad, M. Z. Arif, N. S. Mariana and L. Y. Khoon. PRPI UPM 2010 Silver: An effective approach to prevent the spread of novel MRSA clones with known epidemic and pathogenic potential Mariana, N. S., V. Neela, S. Zamberi, R. A. Hamad, M. N. Aziz, E. G. Rad, M. N. Azam, R. Yusof, M. G. Hamed, N. K. A. Ibrahim, A. A. Nagi and S. Atshan. PRPI UPM 2010 Bronze: Adaptability of MRSA to different host: A proteomic approach Neela, V., E. G. Rad, M. Z. Arif, N. S. Mariana and L. Y. Khoon. PRPI UPM 2010 Silver: Bioinfosys for multiple drug resistant pathogen control. Mariana, N. S., V. Neela, S. Zamberi, R. A. Hamad, M. N. Aziz, E. G. Rad, M. N. Azam, R. Yusof, M. G. Hamed, N. K. A. Ibrahim, A. A. Nagi and S. Atshan. PRPI UPM 2009. Bronze: Methicillin resistance <i>Staphylococcus aureus</i> in pigs. Neela, V., E. G. Rad, M. Z. Arif, N. S. Mariana and L. Y. Khoon. PRPI UPM 2009. Silver: MRSA infection surveillance tool: molecular typing for infection intervention. Mariana, N. S., V. Neela, S. Zamberi, E. G. Rad and R. A. Hamed. PRPI UPM 2008. Silver: MLST of local ESBL <i>E. Coli</i>: A Novel Surveillance Tool For Infection Control in Malaysia. Zamberi S., R. Yusof, N. S. Mariana and V. Neela. PRPI UPM 2008 Gold: CHaM-PS: A portable molecular surveillance kit for MRSA, community and hospital acquired. Mariana N. S., V. Neela, S. Zamberi, and R. Rosli

- PRPI UPM 2006
8. Silver: Molecular procedure for the identification of multiple drug resistant enterotoxigenic strains of *Staphylococcus aureus*: SaTRI-A.
Mariana, N. S., V. Neela and H. Halimatun.
PRPI 2005 UPM
 9. Bronze: SaTRIA-A Gold: a golden kit for *Staphylococcus aureus*.
Mariana, N.S. and V. Neela.
IPTA R&D EXPO 2005PWTC 30th Sept.- 2nd Oct. 2005
 10. Bronze: Development of a single tube method for rapid identification of *Staphylococcus aureus* and multiple antibiotic resistance genes.
Mariana N. S., V. Neela and A.R. Raha.
ITEX 2003
 11. Silver: Development of a single Tube Molecular System for Rapid Identification of *Staphylococcus aureus* and Multiple Drug Resistant Strains.
Mariana, N. S., V. Neela, R. Rosli. A. R. Raha, W. M. Z. Somarny and H. Halimatun.
PRPI- UPM 2003
 12. Bronze: Application of Genomics for Characterization of Local Clinical Bacterial Pathogens
Mariana, N. S. , V. Neela, R. Rosli, W.M. Z. Somarny and H. Hamad.
PRPI-UPM, 2002

Conferences/Symposiums

1. First Best Poster Medical Microbiology section (1st Place)
Nasal carriage of PVL positive *Staphylococcus aureus* among rural healthy individuals in Malaysia. Neela, V. G. R. Ehsanollah, Z. Sekawi and N. S. Mariana.
2. Virulent characterization of an emerging nosocomial pathogen *Stenotrophomonas maltophilia*
Thomas R, Hamet R.A, Syafinaz N.A, Neela V
5th National Infectious Diseases Seminar and Workshop 2010
3. Best Poster (3rd Place)
In vitro Antibacterial Activity of Betel Leaf and Areca Nut against Multiple Drug Resistant Pathogens
Shit C.S., Thomas R., Neela V., Rukman A.H.
4th National Medical Microbiology seminar and workshop
4. Best poster Medical Microbiology section (1st place)
Malaysian Society for Microbiology 29th Symposium, Kuala Terengganu, 2008
5. Best poster Medical Microbiology section (2nd Place)
Evaluating the Role of Two-Component Regulatory System in *Staphylococcus aureus* for Survival and Pathogenicity.
Mariana N. S., N. K. A. N. Ibrahim and V. Neela.
Malaysian Society for Microbiology 30th Symposium.16-19 August 2007 Kuantan, Pahang
6. Tom Bergans Memorial Award for Best Poster
Molecular pattern of community acquired methicillin resistant *Staphylococcus aureus* (CA-MRSA) strains in Malaysian carriers.
Neela, V., N. S. Mariana and S. Zamberi.
International Society of Chemotherapy, European Congress of Clinical and Infection Microbiology, Munich, Germany 2007
7. Best Oral Scientific Paper (3rd Place)
Development of a multiplex PCR system for the simultaneous identification of *Staphylococcus aureus* and the detection of clinically relevant antibiotic resistance
Neela. V., N.S. Mariana, E. Amghalia, W.M.Z., Somarny, S. Radu, R. Rosli and A.R. Raha.25th Malaysian Microbiology society symposium and 5th UNESCO National Workshop on the promotion of Microbiology in Malaysia, Kota Bahru. 8-11th September 2002.

	<p>8. Best Poster (1st Place) Comparative RAPD profile and antibiogram of clinical bacterial pathogens from Malaysian Hospitals Mariana, N. S. and V. Neela Symposium of the Malaysian Society for Microbiology, 19-21st November 2000, Langkawi, Kedah</p>
<i>Non-Academic Awards</i>	
<i>Awards of Merit</i>	<p>Excellent service award UPM 2009 Excellent Service award UPM 2010 Excellent Service award UPM 2011</p>

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>Journal</i>	<ol style="list-style-type: none"> 1. Yun Khoon L, Neela V, Hamat RA, Nordin SA. Modified silver staining in 2DE improves protein detection even at extremely low sample concentration. <i>Electrophoresis</i> 2013, 34, 1–4 (IF 3.261) 2. Ghasemzadeh-Moghaddam H, Neela V, Goering R, Mariana NS. Methicillin sensitive Staphylococcus aureus (MSSA) isolates as a potential source for the emergence of USA 300 methicillin resistant Staphylococcus aureus (MRSA) in Malaysia. <i>Trop Biomed.</i> 2012 Sep;29(3):429-33. (Impact factor 0.65) 3. Ghaznavi-Rad E, Neela V, Nor Shamsudin M, Ghasemzadeh Moghaddam H, Tavakol M, van Belkum A, Etemadi MR, Andar-Ali AF. Diversity in the antimicrobial susceptibility patterns of methicillin-resistant Staphylococcus aureus clones <i>Eur J Clin Microbiol Infect Dis.</i> 2012 Dec;31(12):3317-21. doi: 10.1007/s10096-012-1698-3. Epub 2012 Jul 25. (Impact factor 2.89) 4. Neela V, Thomas R, Rankouhi SZ, Karunanidhi A, Shueh CS, Hamat RA, van Belkum A. Modified DNase tube test to detect DNase activity in <i>Stenotrophomonas maltophilia</i>. <i>J Med Microbiol.</i> 2012 Dec;61(Pt 12):1792-4. doi: 10.1099/jmm.0.049403-0. Epub 2012 Sep 6. (Impact factor 2.0) 5. Ghafourian S, Mohebi R, Sekawi Z, Raftari M, Neela V, Ghafourian E, Aboualigalehdari E, Rahbar M, Sadeghifard N. Effect of tannin extract against <i>Pseudomonas aeruginosa</i> producing metallo beta-lactamase. <i>J Biol Regul Homeost Agents.</i> 2012 Apr-Jun;26(2):231-6 (Impact factor 5.7) 6. Zamri HF, Shamsudin MN, Rahim RA, Neela V. Oral vaccination with <i>Lactococcus lactis</i> expressing the <i>Vibrio cholerae</i> Wzm protein to enhance mucosal and systemic immunity. <i>Vaccine.</i> 2012 May 2;30(21):3231-8. doi: 10.1016/j.vaccine.2012.02.012. Epub 2012 Mar 16. (Impact factor 3.1) 7. Ghafourian S, Sekawi Z, Neela V, Khosravi A, Rahbar M, Sadeghifard N. Incidence of extended-spectrum beta-lactamase-producing <i>Klebsiella pneumoniae</i> in patients with urinary tract infection. <i>Sao Paulo Med J.</i> 2012;130(1):37-43 (Impact factor 0.71) 8. Arunkumar Karunanidhi, Renjan Thomas, Alex van Belkum, and V. Neela. In Vitro Antibacterial and Antibiofilm Activities of Chlorogenic Acid against Clinical Isolates of <i>Stenotrophomonas maltophilia</i> including the
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Trimethoprim/Sulfamethoxazole Resistant Strain BioMed Research International
Volume 2013 (2013), Article ID 392058, 7 pages
(Impact factor 2.47)

9. Yun Khoon Liew, **V. Neela**. Comparative Exoproteome Profile of MRSA-ST9 Isolated from Pigs and Pig Handler. Indian Journal of Microbiology September 2012, Volume 52, Issue 3, pp 507-509 (Impact factor 0.9)
10. Alreshidi MA, Alsalamah AA, Hamat RA, **Neela V**, Alshrari AS, Atshan SS, Alajlan HH, Nor Shamsudin M. Genetic variation among methicillin-resistant Staphylococcus aureus isolates from cancer patients in Saudi Arabia. Eur J Clin Microbiol Infect Dis. 2013 Jan 15. (Impact Factor:2.859) [Epub ahead of print] (Impact factor 2.89)
11. YK Liew, **V Neela**, RA Hamat, SA Nordin, PP Chong. Modified silver staining in 2DE improves protein detection even at extremely low sample concentration. Electrophoresis, Volume 34, Issue 3, pages 397–400, February 2013. (Impact Factor: 3.03)
12. Mariana Nor Shamsudin, Alreshidi Mateq Ali, **Rukman Awang Hamat**, Alsharari Ahmad Subeh, Salman Sahab and Vasanthakumari Neela. High prevalence of *qacA* and *qacB* antiseptic resistance genes among clinical isolates of Methicillin Resistant *Staphylococcus aureus* (MRSA) in Malaysia. Journal of Hospital Infection, Volume 81, Issue 3, July 2012, Pages 206–208 (ISI/Scopus Cited Publication/ Impact Factor: 3.078)
13. Seyedeh Zahra Rouhani Rankouhi, Alex van Belkum, Vasanthakumari Neela, Richard V Goering, **Rukman Awang Hamat**. *Stenotrophomonas maltophilia* in Malaysia: Molecular epidemiology and trimethoprim/sulfamethoxazole resistance. International Journal of Infectious Diseases. Volume 16, Issue 8, August 2012, Pages e603–e607 (ISI/Scopus Cited Publication/ Impact Factor: 2.529)
14. In vivo evaluation on Malayisa coastal isolates of Gracilaria changii and Stichopus badiionotus through heat-burn methcilin-resistant Staphylococcus aureus (MRAS) infection animal model. Arfican Journal of Microbiology Research 2011;5(12) : 1379-1382. Mariana N. S., Nik K.A.N.I, Neela V. K, Norfarrah M. A. and Zamberi Sekawi S.
15. Sadeghifard N, Ghafourian S, bin Sekawi Z, **Neela V**, Hematian A, Pakzad I, Galehdari EA and Mohebi R. Extended Spectrum Beta-Lactamases Among Hospitalized Patients in Surgery Wards, Ilam, Iran. J Microbial and Biochemical Technology 2011 3: 018-020. doi:10.4172/1948-5948.100004
16. Ghaznavi-Rad E, Goering RV, Shamsudin MN, Weng PL, Sekawi Z, Tavakol M, van Belkum A, **Neela V**. Mec-Associated Dru Typing in the Epidemiological Analysis of ST-239 MRSA in Malaysia. European Journal of Clinical Microbiology & Infectious Diseases. Accepted 2011 March 13. **Impact factor: 2.605**
17. S.Ghafourian, N. Sadeghifard, Z. Sekawi, **V. Neela**, MN. Shamsudin, R. R. Mohebi, M. Rahbar , A. Hematian2, Z. Sekawi, M. Raftari and I. Pakzad. Occurrence of *Klebsiella oxytoca* producing extendedspectrum beta-lactamases in different seasons in Ilam Hospitals, Iran. African Journal of Microbiology Research. 2010 November 4(22) pp. 2381-2387.
18. S.Ghafourian, N. Sadeghifard, Z. Sekawi, **V. Neela**, MN. Shamsudin, R. Mohebi, M. Rahbar and M. Raftari. Antimicrobial Pattern and Clonal Dissemination of Extended-Spectrum Beta-Lactamase Producing *Klebsiella Spp* Isolates. American Journal of Infectious Diseases 2010, 6 (4): 110-121
19. Ghaznavi-Rad E, Ghasemzadeh-Moghaddam H, Shamsudin MN, Hamat RA, Sekawi Z, Aziz MN, Tavakol M, van Belkum A, **Neela V**. Environmental contamination in the hospital as a possible source for nosocomial infection with methicillin-resistant Staphylococcus aureus. Infection control and Hospital Epidemiology. 2010 Dec; 31(12):1302-3. **Impact factor: 2.802**

20. Ghasemzadeh-Moghaddam H, Ghaznavi-Rad E, Sekawi Z, Yun-Khoon L, Aziz MN, Hamat RA, Melles DC, van Belkum A, Shamsudin MN, **Neela V.** Methicillin-susceptible *Staphylococcus aureus* from clinical and community sources are genetically diverse. *International Journal of Medical Microbiology.* 2010 Dec 28. **Impact factor: 2.8**
21. Ghaznavi-Rad E, Nor Shamsudin M, Sekawi Z, van Belkum A, **Neela V.** A simplified multiplex PCR assay for fast and easy discrimination of globally distributed staphylococcal cassette chromosome *mec* types in methicillin-resistant *Staphylococcus aureus*. *Journal of Medical Microbiology.* 2010 Oct;59 (Pt 10):1135-9. **Impact factor: 2.272**
22. Ghaznavi-Rad E, Nor Shamsudin M, Sekawi Z, Khoon LY, Aziz MN, Hamat RA, Othman N, Chong PP, van Belkum A, Ghasemzadeh-Moghaddam H, **Neela V.** Predominance and emergence of clones of hospital-acquired methicillin-resistant *Staphylococcus aureus* in Malaysia. *Journal of Clinical Microbiology.* 2010 Mar; 48(3):867-72. **Impact factor: 4.162**
23. **Neela V,** Ghasemzadeh Moghaddam H, van Belkum A, Horst-Kreft D, Mariana NS, Ghaznavi Rad E. First report on methicillin-resistant *Staphylococcus aureus* of Spa type T037, Sequence Type 239, SCCmec type III/IIIA in Malaysia. *European Journal of Clinical Microbiology and Infectious Diseases.* 2010 Jan; 29(1):115-7. **Impact factor: 2.605**
24. Liew Yun Khoon and **V. Neela,** Secretome of *Staphylococcus aureus*. *African Journal of Microbiology Research.* 2010 Vol. 4 (7), pp. 500-508. **Impact factor: 0.407**
25. Shahram Shakiba Zadeh, Che Roos Saad, Annie Christianus, Mohd Salleh Kamarudin, Kamaruzaman Sijam, Mariana Nor Shamsudin and **V. Neela.** 2010. Assessment of growth condition for a candidate probiotic, *Shewanella algae*, isolated from digestive system of a healthy juvenile *Penaeus monodon*. *Aquaculture International.* 2010, 18: 1017-1026. **Impact factor: 0.753**
26. Shahram Shakibazadeh, Che Roos Saad, Annie Christianus, Mohad Salleh Kamarudin, Kamaruzaman Sijam, , Mariana Nor Shamsudin, V. Neela.. 2009. *Annals of Microbiology,* 59 (3) 425-430. **Impact factor: 0.38**
27. **V. Neela,** Alshrari A.S.D, Ehsanollah G.R, Hamed G.M, van Belkum. A, Alreshidi M.A, Nurfaridah. S, Mariana N. S. Highly dynamic transient colonisation by *staphylococcus aureus* In healthy malaysian students *Journal of Medical Microbiology.* 2009, 58: 1531-1532 **Impact factor: 2.272**
28. **V. Neela,** Zafrul M. A, Mariana N.S, van Belkum A, Liew Y.K, Ehsanollah G.R. prevalence of ST-9 mrsa among pigs and pig handlers in Malaysia. *Journal of Clinical Microbiology.* 2009 Dec; 47(12):4138-40. **Impact factor: 4.162**
29. Ehsanollah G. R, **V. Neela,** Chong P. P, Zamberi S and Mariana N. S. Anti-adhesive and anti-invasive activities of an oil based di-herbal extract against methicillin resistant *Staphylococcus aureus*. 2009, *African Journal of Microbiology Research* Vol. 3(5) pp. 272-275. **Impact factor: 0.407**
30. **Neela. V,** Ehsanollah, G.R, Alex van Belkum, Mariana. N. S, Zamberi S Prevalence of *Staphylococcus aureus* carrying Panton–Valentine leukocidin genes among carriage and invasive isolates in Malaysia. *International Journal of Infectious Diseases.* 2009, Volume 13, Issue 3: e131-e132. **Impact factor: 2.167**
31. Amghalia E., Nagi A Al-Haj, Mariana N. S., **Neela V.** and W.M.Z. Somarny. Molecular Detection and Epidemiological Analysis of *Staphylococcus aureus* from Malaysian Hospitals Using Random Amplified Polymorphic DNA-Typing. 2009, *Research Journal of Biological Sciences* 4 (4): 433-437
32. Amghalia , E. , Nagi A. Al-Haj, Mariana, N. S., Son R. Rosli R., **V. Neela** and A. R. Raha. Multiplex PCR Assays for the Detection of Clinically Relevant Antibiotic Resistance Genes in *Staphylococcus aureus* Isolated from Malaysian Hospitals. 2009, *Research Journal of Biological Sciences* 4 (4): 444-448

	<p>33. Amghalia E., Nagi A. Al-Haj, Mariana N. S., Nurmas I. M., V. Neela and Zamberi S.. Natural Product Activity Against Methicillin-Resistant <i>Staphylococcus aureus</i> Genes. 2009, Research Journal of Biological Sciences 4 (4): 449-452</p> <p>34. Mariana, N. S., Salman, S. A., V. Neela and S. Zamberi. Evaluation of modified Congo red agar for detection of biofilm produced by clinical isolates of methicillin-resistance <i>Staphylococcus aureus</i>. 2009, African Journal of Microbiology Research Vol. 3 (6), pp. 330-338, Impact factor: 0.407</p> <p>35. Nor Shamsudin M, Sekawi Z, van Belkum A, V. Neela. First community-acquired meticillin-resistant <i>Staphylococcus aureus</i> in Malaysia. 2008, J Med Microbiol. Sep;57(Pt 9):1180-1. Impact factor: 2.272</p> <p>36. Neela. V, Sasikumar. M. Ehsanollah, G.R, Mariana. N. S, Zamberi S. In Vitro Activities Of 28 Antimicrobial Agents Against Methicillin Resistant <i>Staphylococcus Aureus</i> (Mrsa) From A Clinical Setting In Malaysia. 2008, Southeast Asian J Trop Med Public Health. Sep;39 (5):885-92.</p> <p>37. Neela. V., Mariana. N. S., Radu. S., Amghalia. E., Zamberi. S., Use of RAPD to investigate the epidemiology of <i>Staphylococcus aureus</i> infection in Malaysian Hospitals. World Journal of Microbiology and Biotechnology 21:245-251. 2005. Impact factor: 1.06</p> <p>38. Neela. V., Mariana. N. S, Zamberi. S and Mimah. S, Genetic molecular marker identification from DNA polymorphism bands and virulent genes in <i>Streptococcus pyogenes</i> and characterization of isolates. 2004, Biomedical Research. 15(1): 58-64</p> <p>39. Neela. V., Mariana. N. S, Amghalia. M. S. E., Halimaton. H., Rosli. R., Son.R. , and Raha. A. R. Development of a Single Tube PCR system for the identification of <i>Staphylococcus aureus</i> and the simultaneous detection of clinically relevant antibiotic resistant strains. 2003, Journal of Bio-Sciences. 14(1): 1-8.</p> <p>40. N.S. Mariana, V. Neela, W. M. Z. Somarny and R. Rosli. Application of randomly amplified polymorphic DNA markers (RAPD) for the characterization of <i>Staphylococcus aureus</i>. 2002, Biomedical Research. 13 (1): 19-24.</p> <p>41. V. Neela Somarny. W. M. Z., Mariana. N. S., V. Neela, Rosli. R. Optimization parameters for expression of accessory cholerae (<i>ace</i>) toxin of <i>Vibrio cholerae</i> in an <i>E. coli</i> expression vector. 2002, Journal of Medical Sciences 2(2): 74-76.</p> <p>42. V. Neela, Somarny. W. M. Z., Mariana. N. S., Rosli. R and A.R. Raha., Differentiation of Pathogenic Vibrio Species by RAPD. 2002, Journal of Medical Sciences 2(2): 165-169.</p> <p>43. V. Neela, Mariana. N. S., Wan Somarny. W. M. Z., Rosli. R., Raha. A.R. and Radu. S. Detection and molecular characterization of the <i>zot</i> gene in <i>V. cholerae</i> and <i>V. alginolyticus</i>. 2001, Southeast Asian Journal of Tropical Medicine and Public Health/ SEAMEO TROPMED Network. 32(1):100-104.</p> <p>44. V. Neela, Mariana. N. S., Somarny. W. M. Z., Rosli. R., Raha. A.R. and Radu. S. Application of Randomly Amplified Polymorphic DNA Markers (RAPD) to distinguish isolates of <i>V. cholerae</i> and <i>V. alginolyticus</i>. 2000, Asia-Pacific Journal of Molecular Biology and Biotechnology 8 (2): 131-136.</p>
Patents	Oligonucleotides for the identification of <i>Staphylococcus aureus</i> Patent Pending P120061553
Books/Monographs	
Chapter in book	
Proceedings	National

1. Virulent characterization of an emerging nosocomial pathogen *Stenotrophomonas maltophilia*. Thomas R, Hamet R.A, Syafinaz N.A, **Neela V.** 5th National Infectious Diseases Seminar and Workshop 2010.
2. S. Zahra, **V. Neela**, R.A Hamet, N. S. Mariana. Comparison of phenotypic and genotypic methods for DNase production determination in clinical isolates of *Stenotrophomonas maltophilia*. 5th National Infectious Diseases Seminar and Workshop 2010.
3. **Neela V**, K. Arunkumar, Thomas R, Hamet R.A., Chlorogenic acid as a potential drug candidate against clinical isolates of *Stenotrophomonas maltophilia*. 5th National Infectious Diseases Seminar and Workshop 2010.
4. Shit C.S., Thomas R., **Neela V.**, Rukman A.H. In vitro Antibacterial Activity of Betel Leaf and Areca Nut against Multiple Drug Resistant Pathogens. 4th National Medical Microbiology seminar and workshop
5. H. Ghasemzadeh-Moghaddam, **V. Neela**, N. S. Mariana, R. A. Hamat, M. Nazri Aziz, Z. Sekawi. Clonal investigation of invasive Methicillin-susceptible staphylococcus isolates circulating at a Malaysian public hospital by *spa* typing. Malaysian Society for Microbiology 30th Symposium, 16-19th August 2008 Kuantan, Pahang
6. **V. Neela**, Sasikumar. M, Mariana N. S, Antibacterial activity of *Allium ascalonicum* L. against different types of Hospital acquired (HA) and Community acquired (CA) Methicillin resistant *Staphylococcus aureus* (MRSA). Malaysian Society for Microbiology 30th Symposium, 16-19th August 2008 Kuantan, Pahang
7. Ehsanollah. G. R, H. Ghasemzadeh-Moghaddam, **V. Neela**, N. S. Mariana, R. A. Hamat, M. Nazri Aziz, Z. Sekawi Using from Spa typing as genomic base typing method to determine the dominate Methicillin Sensitive *Staphylococcus aureus* (MSSA) which cause infection in Hospital. Malaysian Society for Microbiology 30th Symposium, 16-19th August 2008 Kuantan, Pahang
8. Mariana N. S., N. K. A. N. Ibrahim and **V. Neela**. Evaluating the Role of Two-Component Regulatory System in *Staphylococcus aureus* for Survival and Pathogenicity. Malaysian Society for Microbiology 30th Symposium, 16-19th August 2008 Kuantan, Pahang
9. **V. Neela**, Velan. S, Ehsanollah. G. R, Zamberi. S, Mariana N.S In vitro activities of 27 antimicrobial agents against *Staphylococcus aureus* isolates from community. Clinical Microbiology and Infectious Diseases, 2007, Kuala Lumpur
10. Velan. S, Ehsanollah. G. R, Zamberi. S, Mariana N.S, **V. Neela**. Nasal carriage of *Staphylococcus aureus* in 7-9 age groups in healthy school children in Serdang. . Clinical Microbiology and Infectious Diseases, 2007, Kuala Lumpur
11. **Neela. V.**, Ehsanollah. G. R, Mariana N. S., Zamberi. S Anti-adhesive and anti-invasive activities of an oil-based di-herbal extract against MRSA. 29th symposium of Malaysian Society for Microbiology 2007
12. **Neela. V.**, Ehsanollah. G. R, Mariana N. S., Zamberi. Nasal carriage of PVL positive *Staphylococcus aureus* among rural healthy individuals in Malaysia. 29th symposium of Malaysian Society for Microbiology 2007
13. **Neela. V**, Mariana, N.S. and Lai, L. S . Occurrence of enterotoxigenic multiple drug resistant *Staphylococcus aureus*. 27th Malaysian Microbiology society symposium 24-27th November 2005.
14. **Neela. V**, Mariana N. S, Rosli. R, Raha A. R and Son.R. 2003. Cloning and Sequencing of REP fragment in *Staphylococcus aureus*. 13th Scientific meeting of MSMBB (Malaysian Society for Molecular Biology and Biotechnology) 19th -21st May 2003. Malaysia.
15. **Neela. V.**, Mariana, N. S., Amghalia, W.M.Z., Somarny, Son R., Rozita, R. and Raha, A.R. 2002. Development of a multiplex PCR system for the simultaneous identification of *Staphylococcus aureus* and the detection of clinically relevant antibiotic resistance. 25th Malaysian Microbiology society symposium and 5th UNESCO National Workshop on the promotion

- of Microbiology in Malaysia. 8-11th September 2002. Malaysia.
16. Halimaton, H., Mariana, N.S., **Neela, V.** 2002. Application of PCR assay for specific detection enterotoxin genes in environmental *Staphylococcus aureus* isolates. 25th Malaysian Microbiology society symposium and 5th UNESCO National Workshop on the promotion of Microbiology in Malaysia. 8-11th September 2002. Malaysia.
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<i>Other publications</i>	Mariana N. S., Neela. V and Raha, A. R. 2006. SatRI-a Gold. Research Update. Synthesis. R&D Digest of UPM. Issue 13, 2nd Quarter June 2006.
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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>
02-01-0F1456	Molecular epidemiology, antibiotic resistance mechanisms and virulent properties of recently emerging nosocomial pathogen <i>Stenotrophomonas maltophilia</i> and its impact to healthcare	Principal Investigator	2012-2014	Escience	Ongoing
04--02-12-1756 RU	Isolation and characterization of antimicrobial compounds from <i>Allium ascalonicum</i> against multiple drug resistant pathogens	Principal Investigator	2012-2014	RUGS-UPM	Ongoing
9376100	Antibacterial activity of chlorogenic acid against clinical isolates of <i>Stenotrophomonas maltophilia</i>	Principal Investigator	2012-2013	RUGS-UPM	Ongoing
04-02-12-1816 RU	Source tracing of nosocomial multi-drug resistant pathogens (MDR) in hospital	Principal Investigator	2012-2013	RUGS-UPM	Ongoing
1068 FR	Correlating the frequency of nosocomial colonization and infection of methicillin resistant <i>Staphylococcus aureus</i> (MRSA) with the host <i>S. aureus</i> nasal carriage and humoral immune statuses prior to hospital admission.	Principal Investigator	2011-2013	FRGS	Ongoing
	A proteomic approach to investigate drug targets in MRSA	Principal Investigator	2010-2011	FRGS	completed
04-01-09-0795RU	Discovery of potential biomarkers for <i>S. aureus</i> infection based on exoprotein produced by pathogenic strain	Principal Investigator	2010-2011	RUGS	Completed
04-01-07-	Multiplex PCR analysis for characterization of	Principal Investigator	2008-2009	FRGS	Completed

247FR	Staphylococcal Cassette Chromosome mec (SCCmec) Types I to V and Panton-Valentine leukocidin (PVL) gene detection in MRSA				
06-01-04-SF0889	Molecular epidemiology of community acquired methicillin resistant <i>Staphylococcus aureus</i> (CA-MRSA) and hospital acquired-MRSA (HA-MRSA) in Malaysia and the impact to health care.	Principal Investigator	2007-2009	E-Science fund	Completed
02-01-04-SF0853	Distribution Of Arginine Catabolic Mobile Element (ACME), Cytolytic And Superantigenic Toxins among Local <i>S. aureus</i>	Principal Investigator	2007-2009	E-Science fund	Completed

04/01/07/01 25RU	Multiple application of microbial peripheral molecules for diagnosis, treatment and prevention	Principal Investigator	2007-2009	RUGS	Completed
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