



CURRICULUM VITAE

MOHD NASIR MOHD DESA

DEPARTMENT OF BIOMEDICAL SCIENCES  
FACULTY OF MEDICINE AND HEALTH SCIENCES  
UNIVERSITI PUTRA MALAYSIA

Name MOHD NASIR MOHD DESA

Address Department of Biomedical Sciences  
Faculty of Medicine & Health Sciences  
Universiti Putra Malaysia  
43400 UPM Serdang  
Selangor, Malaysia

Contact No 603-89472344 (office)  
603-89436178 (fax)  
[nasirdes@medic.upm.edu.my](mailto:nasirdes@medic.upm.edu.my) (e-mail)

Academic Qualifications  
BSc (U. Arizona), MMedSc (U. Malaya)

Present Positions  
Lecturer

Previous Employment  
Tutor

#### RESEARCH ACTIVITIES

RESEARCH TITLE	PLACE	ROLE & SOURCE OF FUND	STATUS
Multidrug-resistance <i>Streptococcus pneumoniae</i> : molecular epidemiology and PBP characterization of Malaysian isolates	University of Malaya	Principal investigator; University of Malaya Short Term Grants (Vot F); 2000 - 2002	Completed
Functional genomics of <i>Streptococcus pneumoniae</i> virulence	University of Malaya	Researcher; University of Malaya Fundamental Grant; 2005 - 2006	Completed
Molecular analysis of CBP genes of the clinical isolates of <i>Streptococcus pneumoniae</i>	University of Malaya	Principal investigator; University of Malaya Post-Graduate Research Fund; 2007 - 2008	Completed

#### PUBLICATIONS

##### A. Scientific papers-journal/proceedings/abstracts

- Thong KL, Mohd Nasir MD, Goh YL, Ngeow YF & Parasakthi N. Rapid pulsed-field gel electrophoresis method for *Streptococcus* spp. *Asia Pacific Journal of Molecular Biology and Biotechnology* 2001; 9: 143-145.
- Desa MN, Thong, KL, Rohani, MY & Parasakthi, N. Penicillin susceptibility and molecular characteristics of clinical isolates of *Streptococcus pneumoniae* at the University of Malaya Medical Centre, Kuala Lumpur, Malaysia. *International Journal of Infectious Diseases* 2003; 7: 190-197.
- Desa MN & Parasakthi, N. Comparison of susceptibility test methods to detect penicillin susceptibility in *Streptococcus pneumoniae* isolates. *Malaysian Journal of Pathology* 2004; 26: 29-33.
- Desa MN, Thong, KL & Parasakthi N. A correlation between the genes responsible for penicillin- and erythromycin-resistance in *Streptococcus pneumoniae* and the MICs: A potential approach for

molecular detection of susceptibility. *Malaysian Journal of Biochemistry and Molecular Biology* 2005; 12: 55-57.

- Desa MN, Sekaran SD, Vadivelu J & Parasakhti N. Distribution of CBP genes in *Streptococcus pneumoniae* isolates in relation to vaccine types, penicillin susceptibilities and clinical sites. *Epidemiology and Infection* 2008; 136: 940-942.
- Desa MN, Parasakhti N, Vadivelu J & Sekaran SD. Differential adherence capacities of clinical isolates of *Streptococcus pneumoniae* at different growth states to human respiratory epithelial cells (*in vitro*). *Asian Journal of Cell Biology* 2008; 3: 61-66.
- Desa MN, Parasakhti N, Vadivelu J & Sekaran SD. Expression analysis of adherence-associated genes in pneumococcal clinical isolates during adherence to human respiratory epithelial cells (*in vitro*) by real-time PCR. *FEMS Microbiology Letter* 2008; 288: 125-130.
- Mohd Nasir MD, Parasakhti N & Nambiar, S. *In vitro* susceptibility of *Streptococcus pneumoniae* in the University of Malaya Medical Centre, Kuala Lumpur 1999-2000 [Abstract P1.30]. In: *Program and abstracts of the 7<sup>th</sup> Western Pacific Congress of Chemotherapy and Infectious Diseases*. Hong Kong: International Society of Chemotherapy, 2000.
- Mohd Nasir MD, Thong KL & Parasakhti N. Penicillin-resistant/intermediate and penicillin-sensitive *Streptococcus pneumoniae*: A comparison of their antibiotic susceptibility, PFGE and PBP gene fingerprint patterns [Abstract 34.024]. In: *Program and abstracts of the 10<sup>th</sup> International Congress on Infectious Diseases*. Singapore: International Society for Infectious Diseases, 2002.
- Mohd Nasir MD, Parasakhti N & Thong KL. Penicillin-resistant *Streptococcus pneumoniae*: molecular characteristics and mechanisms of resistance of Malaysian isolates [Paper 87]. In: *Prosiding Seminar Penyelidikan Jangka Pendek Universiti Malaya 2003*. Kuala Lumpur: Institute of Research Management and Consultancy, University of Malaya, 2003.
- Desa MN, Sekaran SD, Vadivelu J & Parasakhti N. Differential adherence capacities of pneumococcal clinical isolates at different growth states to human lung epithelial cells (*in vitro*) [Abstract T3-P27]. In: *Program and abstracts of the 12<sup>th</sup> Biological Sciences Graduate Congress*. Kuala Lumpur: University of Malaya, 2007.
- Desa MN, Vadivelu J, Sekaran SD & Parasakhti N. Serotype-specific invasiveness and carriage prevalence in pneumococci in relation to growth pattern *in vitro* [Abstract ISE.088]. In: *Abstracts, International Scientific Exchange of the 13<sup>th</sup> International Congress on Infectious Diseases*. Kuala Lumpur: International Society for Infectious Diseases, 2008.
- Desa MN, Sekaran SD & Vadivelu J. Comparison of relative gene expression analysis by basic method and the application of mathematical formula of adherence-associated genes during pneumococcal adherence to lung epithelial cells by real-time PCR (*in vitro*) [Abstract PP14]. In: *Proceedings of 3<sup>rd</sup> Regional Conference on Molecular Medicine 2009*. Kota Bharu: Institute for Research in Molecular Medicine, USM, 2009.

#### B. BOOKS/ MONOGRAPHS/ LEARNING TEACHING MATERIALS

none

#### TEACHING

- Basic Medical Microbiology (SBP3403)
- Advanced Medical Microbiology (SBP4401)
- Cell Biology (SBP3101)

#### POSTGRADUATE

none