

**Andiyanto Sutandar, Ph.D**  
**Biorisk Consultant, DNV Biorisk**



**Personal Statistics**

Nationality : Indonesian  
Date of Birth : 7 June 1980

**Language Capabilities**

Fluent : English, Bahasa Indonesia

**Academic and Professional Attainment**

2003-2008 Nanyang Technological University, PhD Mechanical and Production Engineering with focus in Microbiology  
1999-2003 Nanyang Technological University, B.Eng Mechanical and Production Engineering, 1<sup>st</sup> Class Honours

**Publications**

- A. Sutandar, C. S. Lim, and L. Y. Hsu (2008). System for Real-Time Monitoring of Mutation-in-Progress, Journal of Applied Microbiology (104(5): 1400-1407).
- A. Sutandar and C. S. Lim (2004). Non-Molecular Rapid Discrimination of Genetically Mutated Bacteria, Proceedings of the 8<sup>th</sup> International Conference on Optics Within Life Sciences. 28 November – 1 December 2004. Melbourne, Australia.

**Detailed Professional Experience**

Dec 2007-present Biorisk Consultant, Det Norske Veritas (DNV)  
Jan-Nov 2007 Research Associate, J.D. Power and Associates, Singapore

**Relevant Project Experience**

- Review of maintenance engineering arrangement in Australian Animal Health Laboratory (AAHL), Geelong, Australia.
- Review of Physical and Engineering Integrity of BSL3 Facility in Institute of Medical Research (IMR), Kuala Lumpur, Malaysia.
- Current commissioning and certification of BSL3 facility for National Institute of Health Research and Development (NIHRD), Jakarta, Indonesia.

- Risk assessment (SWIFT) of ABSL3 in Erasmus MC, Rotterdam, the Netherlands.
- Risk assessment (SWIFT) of Tuberculosis patient wards in Pham Ngoc Thach Hospital, Ho Chi Minh City, Vietnam.
- Risk assessment (SWIFT) of Tuberculosis diagnostic procedures in Pham Ngoc Thach Hospital, Ho Chi Minh City, Vietnam.
- Risk assessment (HAZOP) of room pressure control of ISO11 building (ABSL3) in Pirbright Laboratory, Institute of Animal Health (IAH), United Kingdom.
- Development of System for Monitoring Mutation-in-Progress (SMMIP) with focus study on ciprofloxacin resistance in *Staphylococcus aureus*.
- Visible spectroscopy study on discrimination of methicillin resistant *Staphylococcus aureus* (MRSA) from methicillin susceptible *Staphylococcus aureus* (MSSA).