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Google Scholar :

<https://scholar.google.co.jp/citations?user=Nmr9iYIAAAAJ&hl=en>

### Academic Qualification

Ph.D (Materials Science and Engineering), 2014  
University of Tsukuba, Japan.

Master in Engineering (Mechanical-Materials), 2009  
Universiti Teknologi Malaysia, Johor, Malaysia

Bachelor of Science in Engineering (Materials Science and Engineering), 2006  
University of Michigan, Ann Arbor, MI, USA

### Working Experiences / Appointment

**Senior Lecturer**, Faculty of Mechanical Engineering, Universiti Malaysia Pahang [Oct. 2014 to present].

**Junior Researcher**, National Institute for Materials Science, Tsukuba, Japan

**Lecturer**, Faculty of Mechanical Engineering, Universiti Malaysia Pahang [2009-2014]

**Tutor**, Faculty of Mechanical Engineering, Universiti Malaysia Pahang [2007-2009].

### Expert Area

Biomaterials, Surface Engineering, Nickel-Titanium, Severe plastic deformation, Nanostructured Materials.

### Research Interest

Severe plastic deformation, nanostructured materials, surface engineering, biomaterials, corrosion

### Research Project/ Grant

- RDU150385: Development of equal channel angular pressing die for bulk nanostructured metal processing for automotive application (Leader)
- RDU150337: Development and Characterization of Transformation Induced Plasticity for Fe-Ni Alloy Steels Fabricated by metal Injection Molding (Member)
- RDU151404: Hydroxyapatite Coating on Laser Melted-CoCrMo Compact using various thicknesses of oxide interlayers for Biomedical Applications (Member)
- UIC161504: Direct Metal Laser Sintering Technology For The Manufacture Of Fully Porous Functionally Graded Titanium Alloy Femoral Stems (Member)
- RDU100312: Investigation of Properties and Performance of Diamond Coated Cutting Tools (Leader)
- RDU100321: Material Selection Model to Enhance Reliability of the Chosen Material (Member)

### Professional Qualification / Membership / Affiliation / Experience

- National Association of Corrosion Engineers(303575)
- Japan Institute of Metal (2110296)

### Post Graduate Supervision

Nursyaza Dinie Binti Mohamad Marzuki (2015-current)  
Title: Fiber Reinforced Liquid Polymer Products With Stereolithography.

Muhammad Abdul Hisyam B Abu Hassan (2016-current)  
Title: Development of Equal Channel Angular Pressing (ECAP) for bulk nanostructured processing

## List of Publications

1. Pakdel, A., Witecka, A., Rydzek, G., & **Awang Shri, D. N.** (2017). A comprehensive microstructural analysis of Al–WC micro-and nano-composites prepared by spark plasma sintering. *Materials & Design*, 2017; 119:225-234 (IF: 3.501).
2. Manam, N. S., Harun, W. S. W., **Awang Shri, D. N.**, Ghani, S. A. C., Kurniawan, T., Ismail, M. H., & Ibrahim, M. H. I. Study of corrosion in biocompatible metals for implants: A review. *Journal of Alloys and Compounds*, 2017;701:698-715 (IF: 3.133).
3. **Awang Shri DN**, Tsuchiya K, Yamamoto A. Cytocompatibility evaluation and surface characterization of TiNi deformed by high-pressure. *Materials Science and Engineering: C* 2014;43:411-417 (IF: 2.736)
4. **Awang Shri DN**, Tsuchiya K, Yamamoto A. Surface characterization of TiNi deformed by high-pressure torsion. *Applied Surface Science* 2014;289:338–44 (IF: 2.538)
5. **Awang Shri DN**, Tsuchiya K, Yamamoto A. Effect of HPT deformation on surface properties and biocompatibility of Ti-50.9 mol%Ni alloys. *Biointerphases* 9 (2014): 029007 (IF: 2.677).
6. **D.N Awang Shri**, J Ramli, NA Alang and MM Mahat, Influence of Surface Pretreatment on Carbon Coating of Cutting Tools Using PVD, *Applied Mechanics and Materials* 236, 530-535,2012.
7. J. Ramli, **D.N Awang Shri**, NA Alang, NI Yusof and MM Mahat, Effects of Surface Pretreatment to the Properties of Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>) Cutting Tool Coated Amorphous Graphite, *Advanced Materials Research* 463,369-374, 2012.
8. **D.N Awang Shri**, J Ramli, NA Alang and MM Mahat, Effect of Surface Pretreatment on Morphology and Microhardness on Carbon Coating Using PVD, *Advanced Materials Research* 472, 50-54,2012.
9. **D.N Awang Sh'ri** and E. Hamzah, "Effect of surface pretreatments on nanocrystalline diamond deposited on silicon nitride substrates" *International Conference on Mechanical, Industrial, and Manufacturing Engineering*, Cape Town, South Africa, January 29-31, 2010
10. **D.N Awang Sh'ri** and E. Hamzah, "Effect of surface pretreatments on morphology and quality of polycrystalline diamond deposited on silicon nitride substrates" *Advances in Materials and Processing Technologies*, Kuala Lumpur, Malaysia, 26-29 October 2009.
11. **Dayangku Noorfazidah Awang Sh'ri**, E. Hamzah, "Effect of surface pretreatments on nanocrystalline diamond deposited on Si<sub>3</sub>N<sub>4</sub> substrate using Hot Filament Chemical Vapor Deposition technique", *International Conference on Advances in Mechanical Engineering*, Shah Alam, Malaysia, 24-25 June 2009.

## Awards/ Research / Achievements

- National Institutes for Materials Science Junior Researcher Scholarship, 2011-2014
- Best Paper Award – International Conferences in International Conference on Advances in Mechanical Engineering, Shah Alam, 2009
- Best Student in Master of Mechanical-Material, Universiti Teknologi Malaysia, 2009
- MARA Scholarship for American Top University program, 2002