

RESEARCHER'S BACKGROUND	
Name	Dr. Mimi Haryani Hassim
Faculty	Faculty of Chemical and Energy Engineering
Research Interest	<ol style="list-style-type: none"> 1. Industrial Hygiene 2. Process Safety 3. Sustainable Process Development
Research Entity	Full Member of Centre of Hydrogen Energy
UTM Administrative Post (if any)	External Relations Manager of Centre of Hydrogen Energy
Professional Post (if any)	<ol style="list-style-type: none"> 1. General Secretary of Young Scientist Network-Akademi Sains Malaysian (YSN-ASM) 2. Treasurer of the Institution of Chemical Engineers (IChemE) Engineering Education Special Group 3. General Secretary of Islamic Development Bank (IDB) Malaysian Alumni Association 4. Subject Editor of Process Safety and Environmental Protection Journal 5. Technical English editor for The Journal of Sustainable Development of Energy, Water and Environment Systems (JSDEWES)

RESEARCH PROFILE	
Publication	<ul style="list-style-type: none"> • Book = 3 (Edited Book: 1, Children Book: 2) • Chapter = 5 • Article = More than 65 (including 58 in Scopus) • Conference Paper = 95 (including 17 in Scopus)
Citation	324
H-index	10
Intellectual property rights	<p>Copyright</p> <ol style="list-style-type: none"> 1. ©2015/472/3462: Inherent Occupational Health Index: Tool for Inherent Health Risk Assessment at Process Research and Development Stage 2. ©2014/46/2600: Case Study - Low Carbon Society 3. ©2014/47/2601: Case Study - Food Waste Reuse Concept 4. ©2014/301/2858: Graphical and Numerical Descriptive (Grand) Software for Inherent Safety Assessment in Petrochemical Industry during Research and Development Stage of Process Design 5. ©2014/397/2955: 2-Dimesional Graphycal Rating (2DGR) for Inherent Safety Assessment 6. ©2014/398/2956: Fugitive Emissions Solution (FEMSOL) - A Novel Systematic Tool for Fugitive Emission Mitigation Towrds Sustainable Process Development 7. ©2015/212/3202: Case Study - Waste to Wealth <p>Patents</p> <ol style="list-style-type: none"> 1. PI 2014 002499: A Safety Assessment Method 2. PI 2015 002151: A Hazard Identification Technique

RESEARCH SUPERVISION	
Completed	<ul style="list-style-type: none"> • PhD: 2 • MSc: 6
Current	<ul style="list-style-type: none"> • PhD: 6 • MSc: 2

AWARDS & RECOGNITIONS

Awards

1. Silver Medal: Invention, Innovation & Design Exposition 2015 (IIDEX 2015); Project Name: Graphical and Numerical Descriptive (GRAND) for Inherent Safety Assessment
2. Islamic Development Bank (IDB) - Excellent Leadership Award 1435H (2014)
3. Gold Medal: Seoul International Invention Festival 2013 (SIIF 2013); Project Name: An Efficient Planning Tool For Integrated Electricity Generation Towards Sustainable Development
4. Gold Medal: 24th International Invention Innovation & Technology Exhibition (ITEX 2013); Project Name: Sustainable Bio-Organic Animal Feed (Sustainable B.O.A.F)
5. Best Paper Award: 6th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems, 2011
6. Silver Medal: International Conference and Exposition on Inventions (PECIPTA2015) by Institutions of Higher Learning; Project Name: Graphical and Numerical Descriptive Technique for Inherent Safety Assessment (GRAND).
7. Best of the Best Award: Innovative Practices in Higher Education Expo 2015 (I-PHEX 2015); Project Name: Integrated Course Design for Supporting Contextual Learning among First Year Engineering Students
8. Gold Medal: Malaysian IChemE Awards 2013 for Education Category
9. Best Flagship Project Award 2015: RM 20, 000 granted by RMC
10. Anugerah Perkhidmatan Cemerlang Tahun 2012

Recognitions

1. Appointed as Academic Consultant Cum External Examiner of School of Foundation Studies, Southern University College, 2016-2017
2. Selected as Member of the Global Young Academy (GYA) – 2013-2017
3. Selected as Member of the Young Scientist Network-Akademi Sains Malaysia (YSN-ASM) – 2012-2014
4. Appointed as Coordinating Scientists & Member of The Science Module Development Team Letter for 2014 National Science Challenge Semi Final Level
5. Appointed as External Examiner for the Foundation in Science (FIS) program of the Southern University College, Malaysia, 2014
6. Appointed as Chief Judge/Chairman of National Science Challenge 2016 (Johor)

CONTRIBUTIONS

1. Contribute in 'Women in Science' working group in Global Young Academy.
2. Advisor of Chemical Engineering Student Society.
3. Translating international children book to educate children around the world on Tuberculosis.
4. Involved in National Science Challenge, involving Form 4 students from all states in Malaysia.
5. Invited as a Research Committee for the National Level Syariah Index Development (Cultural) project, JAKIM.
6. Invited as Expert to contribute for the Focus Group Discussion on a project entitled Kajian Indeks Kepuasan Rakyat Malaysia, Yayasan Sumber Maklumat – Pusat Dagangan Dunia Putra (YSM-PWTC).
7. Selected as UTM representative to the Majlis Taklimat mengenai Indeks Sumbangan Bioekonomi (BCI) by the Malaysian Biotechnology Corporation Sdn Bhd (BiotechCorp), MOSTI.

CONTACT

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