

RESEARCHER'S BACKGROUND

Name	Abdul Manaf Bin Hashim
Academic Position	Professor Ir. Dr.
Faculty	Malaysia-Japan International Institute of Technology (MJIT)
Research Interests	<ul style="list-style-type: none"> • Semiconductor based plasma wave electronic devices, sensing devices and solar energy devices • Germanium and compound semiconductor heteroepitaxial growth using CVD, MBE and MOVPE technology • Nanostructures, nanodevices and their processing technologies • Graphene growth and their device applications
Research Entity	Head of Advanced Devices and Materials Engineering (ADME) iKohza
Professional Post(if any)	<p>Professional Engineer with Practising Certificate (PEng), Board of Engineers Malaysia (Registration No: C116330-Discipline:Electronics)</p> <p>Chartered Engineer (CEng), The Institution of Engineering and Technology (IET), UK (Registration No: 624781).</p> <p>Life member, Malaysian Solid-State Science and Technology Society, MASS (176).</p> <p>Member, Japan Society of Applied Physics, JSAP (0060985)</p> <p>Member, IEEE Electron Device Society (90304487)</p> <p>Member, ECS-The Electrochemical Society (361266)</p> <p>Corporate Member, Institute of Engineers Malaysia (30587)</p> <p>Life Member, Malaysian Society for Engineering and Technology, mSET (00062)</p> <p>Member, The Institution of Engineering and Technology (IET) (1100349617)</p> <p>Member, Malaysia Nanotechnology Association (MNA), Membership No: 222</p>

RESEARCH PROFILE

Publication	<ul style="list-style-type: none"> • Journal Article -92 • Proceedings - 32 • Conference Paper - 178
Citation	353
H-index	10
Intellectual property rights	<p>MY-144705-A: Si Doped AlGa_N/Ga_N Field Effect Transistor for pH Sensing</p> <p>MY-145612-A: Hot Mesh Chemical Vapor Deposition System for Silicon Carbide Thin Film Deposition</p> <p>MY-154952-A: On-Chip Integration of Meander Antenna and Schottky Diode for Rectenna Device Structure</p> <p>MY-157810-A: Schottky Diode pH Sensor on Si-Doped AlGa_N/Ga_N High Electron Mobility Transistor Structure</p>

RESEARCH SUPERVISION

Completed	<ul style="list-style-type: none">• PhD: 6• MSc: 16
Current	<ul style="list-style-type: none">• PhD: 10• MSc: 2

AWARDS & RECOGNITIONS

Awarded the **Encouragement of Research Award** in the 4th Malaysia 2 Dimensional Materials and Carbon Nanotube Workshop (2DMC2016), 17-18 October 2016, UKM Bangi, Selangor, Malaysia.

Finalist for **2015 Indexed Journal Author Award** (Category: Faculty), Citra Karisma 2016. (Finalis Anugerah Penulis Jurnal Berindek 2015-Kategori Fakulti).

Winner, **Dr Ranieet Bhagwan Singh Research Workshop Grant 2015**, Ministry of Science, Technology and Innovation (MOSTI).

Awarded **Post Doctoral Fellowship** by MOHE and UTM to conduct research at RIKEN from May 9, 2016 to May 8, 2018 (24 months).

Awarded **Top Research Scientist Malaysia**, Academy of Sciences Malaysia, Dec 2104.

Awarded **Best Poster Award**, 3rd Malaysia Graphene and Carbon Nanotube Workshop (MGCW2015), 19-20 October 2015, UTM, Kuala Lumpur, Malaysia.

Awarded **Recognized Reviewer** status by Elsevier, June 2015.

Awarded **2014 UTM Excellent Service Award**, Citra Karisma 2015.

Finalist for **2014 Indexed Journal Author Award**, Citra Karisma 2015. (Finalis Anugerah Penulis Jurnal Berindek 2014).

Awarded the **Encouragement of Research Award** in the 24th Annual Meeting of Material Research Society-Japan (MRS-J), 9-12 December 2014, Yokohama, Japan.

Awarded **Best Poster Award**, 3rd International Conference on the Advancement of Materials and Nanotechnology, ICAMN2013.

Awarded **International Research Grant** (USD 5000) by The Nippon Sheet Glass Corporation, Japan.

Vote 78417 was selected as the **Best FRGS Research Phase 1/2009** by MOHE.

Awarded **Recognition & Incentives** for high impact journal contribution in 2011 by Nanotechnology Research Alliance.

Awarded **Recognition & Incentives** for contributing 3 silver medals and 2 bronze medals in MTE 2010.

Recognized as an **Outstanding Researcher** published in UTM R&D Bulletin 2011.

Vote 78205 was selected as the **Best FRGS Research Phase 1/2007** by MOHE.

Awarded **IFPD Fellowship** through Brain Gain IFPD Program by MOSTI.

Awarded **DV Fellowship** through Brain Gain DV Program by MOSTI.

Awarded **Hitachi Foundation Research Fellowship** (August 2010- July 2011).

Finalist for **2009 UTM Excellent Researcher Award**, Citra Karisma 2010. (Finalis Anugerah Tokoh Penyelidik 2009).

Awarded **2008 UTM Excellent Service Award**, Citra Karisma 2009.

Listed in **Who's Who in the world**, 2010 Edition.

Listed in **2000 Outstanding Intellectuals of the 21st Century (2010)** - outstanding contribution in the fields of plasma wave electronics and sensor technology.

Listed in **Who's Who in Science and Engineering**, 2011-2012 edition.

Awarded **Research Assistance Fellowship** by Hokkaido University (April 2003 - March 2006).

Awarded **Monbukagakushoscholarship** by Japanese government (October 2002 – March 2006).

Awarded **UTMscholarship** by UniversitiTeknologi Malaysia (October 2002 – March 2006).

Awarded **scholarship** by Makita International Foundation (April 1997 – March 1999).

Awarded **Teaching Assistance Fellowship** by Department of Electrical Engineering, Nagaoka University of Technology (1997-1998).

Awarded **JPA scholarship** by Malaysia government (April 1991- March 1997).

CONTRIBUTIONS

1. Establishing high-end micro-nanofabrication facilities at MJIT, UTM.
2. Leading 42 research grants with total amount of more than RM 5 million

CONTACT

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