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And

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Date of birth: 8/11/55

Place of birth: Melor, Kelantan

Administrative Appointments

- Head of Division ,Strategic Planning, UKM (1999-2002)
- Deputy Director, Centre for Academic Advancement, UKM (2002-2004)
- Deputy Director, Division of Quality Assurance, Ministry of Higher Education, Malaysia. (2005-2006)
- Head of Malaysian Higher Education Rating Project.(1/05/05- 1/5/07) Phase One and Phase II (Nov 2007- April 2008)
- Director of Institute of the Malay World and Civilisation (ATMA) (3rd March 2007-30th September 2008)
- UKM Senate Committee Member of the Appointment of Visiting Scholars (2007-current)
- UKM Senate Member (2006-current)
- UKM PMO Lead (2009-current)
- Member of Task Force for the Setting up of the Malaysian Citation Centre by the Ministry of Higher Education (2009 -current)

Research Administrative Appointments

- Head of Cluster: Malay Thought, Civilisation and Technology (2007- Dec 2009)
- Head of Group: Advanced Materials Processing and Integrity Research Group (2007 -current)
- Principal Associate Research Fellow, The Institute for Solar Energy (SERI). 2006-current)

- Principal Associate Research Fellow. The Institute of the Malay World and Civilisation (ATMA) (2008–current)
- Management Committee of the Nanotechnology and Advanced Materials Niche (2008–current)
- Secretariat for the UKM Niche Committee (2009–current)

Tertiary Qualifications

- BTech(Hon)Brunel University,Kingston Lane, Uxbridge,Middlesex, United Kingdom. July 1979
- PhD.Brunel University, Kingston Lane, Uxbridge, Middlesex. United Kingdom.
- March 1985.

Professional Qualifications

- Chartered Engineer(UK) and EuroIng
Registration no:447496

Affiliations

- Fellow FMMM (Institute of Materials, Mining and Minerals)UK
Registration no:34827
- Fellow Institute of Materials, Malaysia
Registration no:F55
- Member of Council, Institute of Materials, Malaysia
- Editor, Journal Institute of Materials, Malaysia
- Member of General Assembly, Network of Women Scientists/ Experts of the Islamic World

Patents / Trademark

- Trademark 1: i-Art- Face Detector for Malaysian Multimedia Art and Database Collection. Salina Abdul Samad, Aini Hussain, Che Husna Azhari and Khairul Anuar Ishak
- Trademark 2: Multimedia Angklung. Salina Abdul Samad, Aini Hussain, Che Husna Azhari and Mohd Ridzuwary Mohd Zainal.
- Invention:Multimedia Angklung
Project Code: IRPA 04-02-02-10045-EAR
Trademark (Class 16 and 42)
- Patent Pending: Multimedia Angklung
National Level
- Nama of inventors: Salina Abdul Samad, Aini Hussain, Che Husna Azhari and Mohd Ridzuwary Mohd Zainal.
Date of Launching of Patent: 14th March 2008.

Research specialisation

- Non-metallic materials : melt processing and structure-property relationship,
- Reaction and Process Engineering: gas-solid interaction in circulating fluidised beds, catalysis
- Materials characterisation: scanning electron microscopy.
- Malay ethnotechnology: materials fabrication technology

Some research topics currently in progress

- Thermoplastic composites processing and materials modelling
- Development of TPNR and TPNR/PP/PA as vibroacoustic materials
- Processing, structure-property relationship and material modelling of PA/PP, PA/ENR, PA/Bagasse, PA/E-glass, PA/charcoal and PA/C blends.
- Biodegradation of NR: morphology of process
- CFB risers: hydrodynamic modelling and verification
- Development of Natural Silk(NS) Composites for Impact Applications
- Super functional Composites
- Fabrication Technology of the Malay World
- Textiles and Colour Technology of the Malay World
- Bridging Civilisations: Studies in Cross Cultures
- The Fabrication of the Car Body and Chassis of the UKM Solar Car from Natural Silk Epoxy Composite
- Development of Natural Rubber-Alumina Nanocomposites

Research grants and projects

- 7 IRPA projects since 1987 either as head of projects or co-researchers, head of project for EC-ASEAN research project and research in UKM grant projects.
- 2 Science Fund Projects in RM9 as head and 3 as co-researcher.
- 2 FRGS Funds as Head of Project (2007)
- Co-researcher in Malay Technology using GUP Grant in Malay Water Wheels
- A GUP project in Environmental Mapping of Land Use in the Nusantara
- Member of OUP Special Grant on Student Generic Competencies Framework.

Publications

More than 70 refereed publications in journals and more than 100 publications in proceedings as well as 3 chapters in books and various publications such as manuals, booklets, consultancy reports, poster presentations, articles in bulletins and the popular media. A published and studied author in **English creative writing**.

Project consultation

- With governmental bodies such as JICA /MLVK and ISO technical

- committees and others such as Bank Pembangunan (since 1995-)
- Participated in advisory capacities to several projects for the Malaysian Plastic Manufacturers Assoc.
- Member of The Governing Board, CI Malaysia, a company that awards ISO certification in Malaysia for CI International (UK) in plastics manufacturing (2006-)
- Advisory Board for MTE College, for materials science and engineering professional courses (2007-)

Advisory capacity at the International and National level

- Pro-tem Committee ADBI (Asian Development Institute) Committee on Education on Education and Culture(1998-2000)
- Member of ISO TC 45 for Malaysian Delegation (1995-
- Member council of National Standards in Jabatan Standard Malaysia (1998-2000)

Academic planning work

- Academic strategic planning, development of performance indicators for academic planning (Team that developed UKM Strategic Plan)
- Head of Academic Audit UKM (2003-2005)
- Deputy Director, Quality Assurance Division of MOHE (Jan 2005-Jan 2006)

Scope of Work at the Quality Assurance Division, Ministry of Higher Education

- Malaysian Qualifications Framework
- Higher Education Quality Assurance : Development of Standards for both public and private higher institutions of learning
- Development of Rating System
- Benchmarking and Accreditation
- Curriculum development According to Standards

Head of project for LAN (National Accreditation Board and Ministry of Higher Education)

- Perception Survey of public universities (2005-2007) called Academic Reputation Survey (ARES)
- Rating of Malaysian Higher Education (submitted to Hon Minister Feb 2007)
- Rating of Malaysian Higher Education (Phase 2. Submitted in February 2008)

Undergraduate supervision

Have supervised more than 100 undergraduate students

Postgraduate supervision: Have supervised more than 29 postgraduate theses to completion

External Examiner

- Have examined more than 29 postgraduate theses.
- External examiner to the Materials Engineering Programme at the International Islamic University (2004–)
- External examiner to the Materials Engineering programme, UTM (2007–)

Research Awards

- Special Award for Generation of Research Funds, for EC-ASEAN Research Project (Development of CFB pilot plant at UKM) (1995)
- ITEX Silver Medal for NS and NS/PE composites .(2003)
- ITEX Silver Medal for Image Processing (2005)
- MTE Silver Medal for Multi Media Angklung (2007)
- ITEX Silver Medal for Solar Car Silk Body (2007)
- ITEX Bronze Medal for Car Energy Absorber System (2008)
- SIIF International Gold Medal for Multimedia Angklung (Dec 2008)
- Gold Medal for MyGSI at the MTE Expo (Feb 2009)
- The Best Award for MyGSI at the MTE Expo (Feb 2009)

Service Awards

- Excellence Service Award, 2003.
- PSMK Honours from the Kelantan State Government, 2004.

Special Laboratory

A pilot CFB with 6m riser built at the Faculty of Engineering, UKM a project undertaken with the Universite de Technologie de Compiegne, France.

10 Selected Publications (2004–2009)

1. R.Dweiri and **C.H. Azhari.**, 2004, Thermal and flow property – morphology relationship of PA/bagasse blends, *J.Appld. Poly. Sci.*, 92(6)3744–3754.
2. R.Fadila, A.G.Jaharah. M.Z.Omar, C.H.C.Haron and **C.H.Azhari.**2005. Microstructural mapping of austenitic Mn–steel 3401 in rapid cooling process. *J.Sol State Sci & Tech.* 12: 1: 143–147.
3. Muhammad Zaki, **C.H. Azhari**, Mohd Sahaid Khalil and Wan Mohtar Wan Yusoff.2005. Production of novel materials through biotransformation of NR. *J.Appld. Tech.*2:2:91–98.
4. R.J.Talib. A.Muchtar and. **C.H. Azhari.**2006.Fatigue Mechanism of semi-metallic brake pads suring braking process.*J.Ind. Tech.*15:1–10.
5. A.Indarto, D.Ryook Yang, **C.H.Azhari**, W.H.W.Mohtar, J–W Choi, H.Lee and H.K.Song.2007. Advanced VOCs Decomposition Method by Gliding Arc Plasma. *Chem Eng Journal.* 131.337–341.
6. D.A.Wahab, A.Abidin and **C.H. Azhari.**2007. Recycling trends in the Plastics Manufacturing and Recycling Companies in Malaysia.*J.Appld Sci.* 7(7) 1030–1035.

7. N. Mohamad, A. Muchtar, M.J. Ghazali, D.H. Mohd and **C.H. Azhari**.2008.The Effect of Filler on Epoxidised Natural Rubber Alumina Nanoparticles Composites (ENRAN).*Europ.J.Sci.Res.*24(4) 538–547.EuroJ.Publishing.
8. N.Mohamed, M.J.Ghazali, A.Muchtar and **C.H.Azhari**.2009. Epoxidized Natural Rubber–Alumina Nanoparticles Composites: Optimisation of Mixer Parameters via Response Surface Methodology. *J.Appld.Polym.Sci.* 115(1) : 183–189
9. M.J.Ghazali, A.A.Pauzi, C.H.Azhari, A.B.Sulong and R.Mustafa.2009. Effect of Starch Binders in Alumina Coatings on AISI 316L. *Intern.J. of Modern Physics.B.*1034–1039
- 10.Lily Amelia, D.A.Wahab, C.H.Che Haron, N.Muhamad and C.H.Azhari.2009.Iniating Automotive Componenet Reuse in Malaysia. *J.of Cleaner Production.* 17:1572–1579.