



AMIRAH AMALINA BINTI AHMAD TARMIZI

SUMMARY

Amirah Amalina binti Ahmad Tarmizi is a Senior Lecturer of Chemistry and earned my PhD from Universiti Teknologi MARA, Shah Alam, specializing in the areas of Corrosion Protection, and Polymeric Barrier Coatings. My areas of research are in corrosion protection by paints and inhibitors including the study of polymeric barrier coating degradation under atmospheric conditions as well as ionic barrier properties of polymeric coatings.

EDUCATION

2012-2016

PhD (Science)
Universiti Teknologi MARA, Shah Alam.

Doctoral Thesis:
Electrical and barrier properties of modified polyaniline coating films and its effects on the corrosion protection of mild steel.

2003-2008

MSc (Organic Synthesis)

Universiti Sains Malaysia
Master's Thesis:
SYNTHESIS AND CHARACTERIZATION OF A
NEW CALIXARENE DERIVATIVE AND ITS
UTILIZATION IN METAL IONS EXTRACTION

2000-2003

BSc in Applied Chemistry (Industrial Chemistry)
Universiti Sains Malaysia

WORK HISTORY

Feb 2018 - present

Full Time Lecturer
Universiti Teknologi MARA, Shah Alam

2007 – Feb 2018

Full Time Lecturer
Universiti Teknologi MARA Perlis

2006 - 2007

Part Time Lecturer
Universiti Teknologi MARA Pulau Pinang

2005 -2006

Part Time Lecturer
Kolej Matrikulasi Pulau Pinang

2004-2006

Graduate Assistant

Universiti Sains Malaysia

2003-2004

Research Assisstant (FRGS)
Universiti Sains Malaysia

2002

Industrial Trainee
Ansell Kulim

PROFESIONAL MEMBERSHIPS

ANALIS Member

MAAS Member

PUBLICATION

Amirah Amalina binti Ahmad Tarmizi, Mohamad Kamal Harun, Saifollah Abdullah, Hadariah Bahron, Muhd Zu Azhan Yahya, Sabrina M. Yahya, Nurul Huda Abdul Halim. 2016. The Effect of Oxalic Acid as a Doping Agent on the Conductivity of Polyaniline. *Scientific Research Journal (13)*, 16-23.

Shafida Abd Hamid, Amirah Amalina Ahmad Tarmizi, Abdussalam Salhin Mohamad Ali, Bahrudin Saad.2003. Application of Newly Synthesized Calixarene in Metal Ions Extraction, CLEAN-Soil, Air, Water, 36, 498-503.

LIST OF CONFERENCES

Amirah Amalina Ahmad Tarmizi, Lily Peter, Daiseh Ahtoi, Rizana Yusof, Syarifah Nursyimi Azlina Syed Ismail and Duratul Ain Tholibon. 1-ethyl-3-methylimidazolium chloride ionic liquid as inhibitor for corrosion protection of mild steel in acidic media. International Conference on Applied Sciences and Industrial Technology 2018, Swiss Garden Hotel Malacca, 13-15 October 2018.

Amirah Amalina binti Ahmad Tarmizi , Daiseh Ahtoi, Syarifah Nursyimi Azlina Syed Ismail, Duratul Ain Tholibon. 1-ethyl-3-methylimidazolium chloride ionic liquid as inhibitor for corrosion protection of mild steel in hydrochloric acid. Applied Sciences Undergraduate Conference 1 2018, Faculty of Applied Sciences UiTM Shah Alam, 27 July 2018,

Amirah Amalina binti Ahmad Tarmizi, Mohamad Kamal Harun, Saifollah Abdullah, Hadariah Bahron, Muhd Zu Azhan Yahya, Sabrina M. Yahya, Nurul Huda Abdul Halim. The Effect of Oxalic Acid as a Doping Agent on the Conductivity of Polyaniline. *International Conference on Science and Social Research 2015*, Grand Blue Wave Hotel, 5-6 Oktober 2015.

Nur Nasulhah Kassim and Amirah Amalina binti Ahmad Tarmizi. Virgin Coconut Oil as Natural Antioxidant, *International Innovation, Design and Articulation (2012)*, UniversitiTeknologi Mara Perlis.

Amirah Amalina and Nurul Akmar. Selective Removal of Copper Ion Using Immobilized Cyclodextrins. *24th Regional Symposium of Malaysian Analytical Sciences (SKAM 24)*, One Helang Hotel Langkawa, 21-23 November 2011.

Amirah Amalina binti Ahmad Tarmizi and Duratul Ain Tholibon. Synthesis and Characterization of Immobilized Cyclodextrins by Adding extracted Silica. *Asean Conference on Scientific and Social Science Research 2011*, The Gurney Resort Hotel and Residences, Penang, 22-23 June 2011.

BOOK

1. Amirah Amalina Ahmad Tarmizi, Nur Nasulhah Kasim, Mohd. Azlan Mohd Yusoff, Syarifah Nursyimi Azlina Syed Ismail, Organic Chemistry II Laboratory Manual, UiTM Press, 2018.

ARTICLE IN REVIEW

Amirah Amalina binti Ahmad Tarmizi, Mohamad Kamal Harun and Ismaliza. Electronic and ionic barrier characterizations of modified polyaniline free film coatings for corrosion protection. (Sent to: Journal of Coating Technology and Research)

Amirah Amalina binti Ahmad Tarmizi, Mohamad Kamal Harun and Ismaliza. The effect of incorporating nano silica on the conductivity and the morphological properties of polyaniline film. (Sent to: Journal of Applied Polymer)

LIST OF AWARD

1. International, Invention, Innovation and Technology Design, Faculty of Administrative Science and Policy Studies, UiTM Cawangan Negeri Sembilan, Rembau, 2018 (GOLD MEDAL) Title: Development of Multiple Linear Regression Script using Matlab

Author: Duratul Ain Tholibon, Dulina Tholibon, Amirah Amalina Ahmad Tarmizi, Saerahany Legori Ibrahim, Masyitah Md Nujid.

2. Best Paper Award (Silver Award) in *Asean Conference on Scientific and Social Science Research 2011*.