

CURRICULUM VITAE



Noor Asnida binti Asli (Ph.D)

Faculty of Applied Sciences

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Personal Information

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Date of Birth : 5 April 1986

Place of Birth : Terengganu, Malaysia

Citizenship : Malaysian

Marital Status : Married

Educational Background

- 2015** : Doctorate Degree (PhD) Physic (Nanomaterials)
Universiti Teknologi MARA (UiTM), Selangor, Malaysia
- 2010** : Bachelor of Science (Hons.) Materials Technology
Universiti Teknologi MARA (UiTM), Selangor, Malaysia
- Secondary School** : Kolej Islam Sains Terengganu, Kuala Terengganu, Terengganu
- Primary School** : Sekolah Kebangsaan Manir, Kuala Terengganu, Terengganu

Memberships

- Malaysia Board of Technologists (**MBOT**)
- Institute of Materials, Malaysia (**IMM**)
- Microscopy Society Malaysia
- Malaysian Analytical Sciences Society (**ANALIS**)

RESEARCH AND PUBLICATIONS

Academic Journals

1. H. Omar, A. N. Afaah, Z. Khusaimi, M. Rusop, S. Abdullah, **N. A. Asli** – Structural Properties of Graphene Coated on Silicon Nanowires by Mechanical Exfoliation, *International journal of Electroactive Materials*, Vol 8 (2020).
2. Nurfazianawatie Mohd Zin, Nurul Afaah Abdullah, Salifairus Mohamad Jaafar, Mohd Firdaus Malek, Mohd Muzamir Mahat, M. Rusop, **N. A. Asli** - Morphological and Optical Properties of Graphene Film Synthesized from Waste of Industrial Cooking Oil, AYAMAS Using DTCVD Method, *Science Letters*, Vol 14(2) (2020).
3. Nur Syazwani Abdul Malek, Nurfahana Rosman, Mohamad Rusop Mahmood, Zuraida Khusaimi, **Noor Asnida Asli** – Effects of Storage Temperature on Shelf-Life of Mango Coated with Zinc Oxide Nanoparticles, *Science Letters*, Vol 14(2) (2020).
4. S. Z. Umbaidilah, N. A. M. Asib, Nurul Afaah Abdullah, Rabiatuladawiyah Md Akhir, **N. A. Asli**, M. Rusop, Z. Khusaimi – The Effect of Precursor Concentration on Structural and Optical Properties of Ag-doped ZnO/TiO₂, *IEEE Regional Symposium on Micro and Nanoelectronics (RSM)* (2019).
5. S. Z. Umbaidilah, N. A. M. Asib, Nurul Afaah Abdullah, Rabiatuladawiyah Md Akhir, **N. A. Asli**, M. Rusop, Z. Khusaimi – The Effect of Silver Doped In Zinc Oxide Nanorods on Titanium Dioxide Seeded Substrate Synthesized By Binary Solution Technique, *Japanese Journal of Applied Physics* (2019).
6. N.F. Rosman, S. Abdullah, M. Rusop and **N. A. Asli** – The Effect of Rice Flour Solution and ZnO Nanoparticles Coated on Mango to Inhibit Anthracnose Disease, *International Journal of Engineering and Technology*, Vol 7, pp 565-568 (2018).
7. **N. A. Asli**, M.S. Shamsudin, A.N. Falina, M.S. Azmina, A.B. Suriani, M. Rusop, S. Abdullah – Field Electron Emission Properties of Vertically Aligned Carbon Nanotubes Deposited On A Nanostructured Porous Silicon Template: The Hidden Role Of The Hydrocarbon/Catalyst Ratio, *Microelectronic Engineering* 108, pp 86-92 (2013).
8. **N. A. Asli**, M.S. Shamsudin, A.B. Suriani, M. Rusop, S. Abdullah – Effect of The Ratio of Catalyst To Carbon Source On The Growth of Vertically Aligned Carbon Nanotubes on Nanostructured Porous Silicon Templates, *International Journal of Industrial Chemistry* DOI:10.1186/2228-5547-4-23 (2013).
9. **N. A. Asli**, M.S. Shamsudin, M. Maryam, S.F.M. Yusop, A.B. Suriani, M. Rusop, M.S. Abdullah – Diameter Controlled of Carbon Nanotubes Synthesized on Nanoporous Silicon Support, *IOP Conference Series: Materials Science and Engineering* 46 (1) art. no. 012004 (2013).
10. **N. A. Asli**, M. Rusop, M.S. Abdullah – Anodisation Time-Related Nanocrystallite Size of Porous Silicon Template Studied by Raman Spectroscopy, Photoluminescence and Fourier Transforms Infrared Spectroscopy *Advanced Materials Research* 686, pp. 56-64 (2013).
11. **N. A. Asli**, M. Rusop, M.S. Abdullah – Relation of Anodisation Parameter For Nanocrystallite Size of Porous Silicon Template Studied By Micro-Raman Spectroscopy, *Advanced Materials Research* 667, pp. 324-328 (2013).
12. A.B. Suriani, **N. A. Asli**, M. Salina, M.H. Mamat, A.A. Aziz, A.N. Falina, M. Maryam, M.S. Shamsudin, Roslan Md Nor, S. Abdullah, M. Rusop – Effect of Iron and Cobalt Catalysts on The Growth of Carbon Nanotubes from Palm Oil Precursor, *IOP Conference Series: Materials Science and Engineering* 46 (1), art.no.012014 (2013).
13. M.A. Zubaidah, **N. A. Asli**, M. Rusop, S. Abdullah – Effect of Electrolyte Volume Ratio On Electroluminescence of Porous Silicon Nanostructure (PSiNs) Intensity, *Advanced Materials Research* 686, pp. 49-55 (2013).
14. M.A. Zubaidah, **N. A. Asli**, S.F.M. Yusop, M. Rusop, S. Abdullah – Photoluminescence Properties of Porous Silicon Nanostructures (PSiNs) with Optimum Electrolyte Volume Ratio of Photo-Electrochemical Anodization, *Advanced Materials Research* 620, pp.40-44 (2013).
15. Muhammad Salleh Shamsudin, Maryam Mohammad, Syazwan Afif Mohd Zobir, **Noor Asnida Asli**, Suriani Abu Bakar, Saifollah Abdullah, Syed Yusainee Syed Yahya, Mohamad Rusop

- Mahmood – Synthesis and Nucleation-Growth Mechanism of Almost Catalyst-Free Carbon Nanotubes Grown From Fe-Filled Sphere-Like Graphene-Shell Surface, *Journal of Nanostructure in Chemistry*, 3(13) (2013).
16. **N. A. Asli**, M.S. Shamsudin, S.A. Bakar, M. Rusop, S. Abdullah - Effect of The Ratio of Catalyst to Carbon Source on The Growth of Vertically Aligned Carbon Nanotubes on Nanostructured Porous Silicon Templates, *International Journal of Industrial Chemistry*, 4(23) (2013).
 17. **N. A. Asli**, S.F. M. Yusop, M.A. Zubaidah, M. Rusop, M.S. Abdullah – The Effect of The Photo-Electrochemical Etching Parameter on Topography And Photoluminescence of Nanostructured Porous Silicon Template, *Jurnal Teknologi (Sciences and Engineering)* 59 (SUPPL.3) , pp. 21-25 (2012).
 18. **N. A. Asli**, S.F.M. Yusop, M.A. Zubaidsh, K.A. Sekak, A.B. Suriani, M. Rusop, M.S. Abdullah – Influence of Etching Time on Surface Structural Properties of p- and n-type Porous Silicon Nanostructures By Photo-Electrochemical Anodic Etching, *Advanced Materials Research* 576 , pp. 511-515 (2012).
 19. M.S. Shamsudin, **N. A. Asli**, S. Abdullah, S.Y.S. Yahya, M. Rusop – Effect of Synthesis Temperature on The Growth Iron-Filled Carbon Nanotubes As Evidenced By Structural, Micro-Raman, And Thermogravimetric Analyses, *Advances in Condensed Matter Physics*, art. No. 420619 (2012).
 20. M.S. Azmina, A.B. Suriani, M. Salina, A.A. Aira, A.R. Dalila, **N. A. Asli**, J. Rosly, Roslan Md Nor and M. Rusop – Variety of Bio-hydrocarbon Precursors for the Synthesis of Carbon Nanotubes, *Nano Hybrids* 2 pp.43-63 (2012).
 21. **N. A. Asli**, S.F.M. Yusop, M. Rusop, M.S. Abdullah – Surface and Bulk Structural Properties of Nanostructured Porous Silicon Prepared by Electrochemical Etching at Different Etching Time, *Ionics* 17 (7), pp. 653-657 (2011).
 22. **N. A. Asli**, M. S. Shamsudin, A.B. Suriani, S.F.M. Yusop ,M. Rusop, M.S. Abdullah – Novel Method: Coral Like Structure of Align Carbon Nanotubes (A-CNTs) on Porous Silicon Template (Psit) Without Catalyst; Green Approach, *Advanced Materials Research* 364 , pp. 222-227 (2011).

Proceedings

1. N.F.Rosman, S.Abdullah, M.Rusop, **N. A. Asli** – Review Papers: The Study of ZnO Nanoparticles Coated on Mango to Extend Shelf life, *AIP Conference Proceeding* 2151 (2019).
2. N.F.Rosman, S.Abdullah, M.Rusop, **N. A. Asli** – Review Papers: Some Common Disease, *AIP Conference Proceeding* 2151 (2019).
3. M. Robaiah, M. J. Salifairus, Z. Khusaimi, H. Azhan, S. Abdullah, M. Rusop, **N. A. Asli** – Graphene Synthesis Via Double Thermal Chemical Vapor Deposition On Ni Substrate By Different Cycles Of Refined Cooking Palm Oil, *AIP Conference Proceedings* 2151 (2019).
4. M. Robaiah, M. A. Mahmud, M. J. Salifairus, Z. Khusaimi, H. Azhan, S. Abdullah, M. Rusop, **N. A. Asli** – Synthesis and Characterization of Graphene from Waste Cooking Palm Oil at Different Deposition Temperatures, *AIP Conference Proceedings* 2151 (2019).
5. M. Robaiah, M. Rusop, S. Abdullah, Z. Khusaimi, H. Azhan, M. O. Laila, M. J. Salifairus, **N. A. Asli** – Morphology and Topography Study of Graphene Synthesized from Plant Oil, *AIP Conference Proceedings* 1963 (2018).
6. Robaiah M., **N.A. Asli**, M. Rusop, M.S. Abdullah – Synthesis of Carbon Nanotubes from Palm Oil on Stacking and Non-Stacking Substrate by Thermal-CVD Method, *AIP Conference Proceeding* 1963 (2018).
7. Robaiah M., **N.A. Asli**, M. Rusop, M.S. Abdullah – Green Approach of Graphene Layer Produced from Waste Cooking Palm Oil at Different Precursor Temperatures, *Proc. of the 2017 IEEE Region 10 Conference (TENCON)*, Malaysia (2017).
8. Robaiah M., **N.A. Asli**, M. Rusop, M.S. Abdullah – Synthesis Graphene layer at Different Waste Cooking Palm Oil Temperatures, *AIP Conference Proceeding* 1877 (2017).

9. **N. A. Asli** – The Synthesis of Vertically Aligned Carbon Nanotubes on Nanostructured Porous Silicon Template by In-Situ Catalyst Double Thermal Chemical Vapour Deposition Method, Universiti Teknologi Mara (UiTM) (2014).
10. **N. A. Asli**, AB Suriani, MS Shamsudin, SFM Yusop, M Rusop, S Abdullah – Carbon Nanotube on Porous Silicon Support—A Diameter-Controlled Synthesis, 2012 International Conference on Enabling Science and Nanotechnology (2012).
11. **N. A. Asli**, M.S. Shamsudin, M. Maryam, S.F.M. Yusop, A.B. Suriani, M. Rusop, M.S. Abdullah – Vertically Aligned Carbon Nanotubes Synthesis on Nanostructured Porous Silicon Template In Short Time; Raman Spectroscopy and Morphological Study, CHUSER 2012 - 2012 IEEE Colloquium on Humanities, Science and Engineering Research (2012).
12. **N. A. Asli**, S.F.M. Yusop, M.A. Zubaidah, K.A. Sekak, A.B. Suriani, M. Rusop, M.S. Abdullah – Surface Structural Variations of Nanostructured Porous Silicon Template Formed Electrochemically of Current Density Parameter, ISBEIA 2012 - IEEE Symposium on Business, Engineering and Industrial Applications (2012).
13. **N. A. Asli**, S.F.M. Yusop, M. Rusop, M.S. Abdullah – Raman and Photoluminescence Spectroscopy Studies on Porous Silicon Nanostructures, AIP Conference Proceedings 1341 (2011).
14. M.A. Zubaidah, **N. A. Asli**, M. Rusop, S. Abdullah – Photoluminescence of Porous Silicon Nanostructures with Optimum Current Density of Photo-Electrochemical Anodisation, 2012 10th IEEE International Conference on Semiconductor Electronics, ICSE 2012-Proceedings (2012).
15. S.A. Bakar, S. Muhamad, A.A. Aziz, **N. A. Asli**, M. Mohammad, M.S. Shamsudin, R. M. Nor, M. Rusop – CVD Growth of Carbon Nanotubes from Palm Oil Precursor, ISBEIA 2012-IEEE Symposium on Business, Engineering, and Industrial Applications (2012).

Presentation

1. **N. A. Asli**, S.F.M. Yusop, M. Rusop, S. Abdullah – Surface and Bulk Structural Properties Of Nanostructured Porous Silicon Prepared By Electrochemical Etching At Different Etching Time
 - Presented at 3rd International Conference on Functional Materials and Devices (ICFMD) 2010, Kuala Terengganu, 14-17 June 2010.
2. **N. A. Asli**, S. F. M. Yusop, M. Rusop, S. Abdullah – Optical Studies on Oxidized Porous Silicon
 - Presented at International Conference on Enabling Science and Nanotechnology (ESciNano2010), Kuala Lumpur Convention Centre, 1-3 December 2010.
3. **N. A. Asli**, M. S. Shamsudin, A. B. Suriani, S. F. M. Yusop, M. Rusop, S. Abdullah – Novel Method: Coral Like Structure of Align Carbon Nanotubes (A-CNTs) on Porous Silicon Template (Psit) Without Catalyst; Green Approach
 - Presented at The International Conference for Nanomaterials Synthesis and Characterization (INSC2011), Seri Kembangan, 4-5 July 2011.
4. **N. A. Asli**, S. F. M. Yusop, M. Rusop, S. Abdullah – Surface and Bulk Structural Properties of Nanostructured Porous Silicon Prepared by Electrochemical Etching at Different Etching Time
 - Presented at 2nd Nanomaterial Seminar for Reducing Environmental Risk in Asia {Under JSPSS and JENESTS Program) at Nagoya Institute of Technology (NiTech), Japan, 20-21 October 2011.
5. **N. A. Asli**, M. A. Zubaidah, S. F. M. Yusop, M. Rusop, S. Abdullah – Influence of Etching Time on Structural Properties of P- and N-Type Porous Silicon Nanostructures by Photo-Electrochemical Anodic Etching

- Presented at International Conference on Advances in Manufacturing and Materials Engineering 2012 (ICAMME '12), Seri Pacific Hotel, Kuala Lumpur, 3-5 July 2012.
6. **N. A. Asli**, S. F. M. Yusop, M. A. Zubaidah, M. Rusop, S. Abdullah – The Effect of The Photo-Electrochemical Etching Parameter on Topography and Photoluminescence of Nanostructured Porous Silicon Template
 - Presented at Nanomaterials Technology Specialized Conference 2012 (NTSC), Universiti Teknologi Malaysia, 6-7 March 2012.
 7. **N. A. Asli**, M. S. Shamsudin, A. B. Suriani, M. Rusop, S. Abdullah – Field Electron Emission Properties of Vertically-aligned Carbon Nanotubes on Nanostructured Porous Silicon Template with Controlling Growth; Catalyst Ratio Effect
 - Presented at 7th International Conference on Surfaces, Coatings and Nanostructured Materials (NANOSMAT), Prague, Czech Republic, 18-21 September 2012.
 8. **N. A. Asli**, M. S. Shamsudin, A. B. Suriani, M. Rusop, S. Abdullah – Effect of Catalyst ratio in Controlling Growth of Vertically-aligned Carbon Nanotubes on Nanostructured Porous Silicon Template
 - Presented at 7th International Conference on Surfaces, Coatings and Nanostructured Materials (NANOSMAT) in Prague, Czech Republic, 18-21 September 2012.
 9. **N. A. Asli**, M.S. Shamsudin, M. Maryam, S.F.M. Yusop, A.B. Suriani, M. Rusop, M.S. Abdullah – Diameter Controlled of Carbon Nanotubes Synthesized on Nanoporous Silicon Support
 - Presented at 2012 IEEE Symposium on Business, Engineering and Industrial Applications, Hyatt Regency Hotel, Bandung, Indonesia, 23-26 September 2012.
 10. **N. A. Asli**, M. S. Shamsudin, M. Maryam, S. F. M. Yusop, A. B. Suriani, M. Rusop, S. Abdullah – Vertically Aligned Carbon Nanotubes Synthesis on Nanostructured Porous Silicon Template in Short Time; Raman Spectroscopy and Morphological Study
 - Presented at 2012 IEEE Colloquium on Humanities, Science and Engineering Research, Sutura Harbour Resort, Kota Kinabalu, Sabah, Malaysia, 3-4 December 2012.

AWARDS/ACHIEVEMENTS/RECOGNITION

1. Best Poster Presentation – Malaysia-Japan International Conference on Nanoscience, Nanotechnology and Nanoengineering 2020 (MJIC 2020), UiTM, February 2020
 - *Synthesis of Homogenous Graphite Powder with Low Milling Time from Waste Coconut Shell Charcoal via Ball Mill - H. Omar, N. S. A. Malek, M. J. Salifairus, S. Abdullah, Z. Khusaimi, M. Rusop and N. A. Asli*
2. Best Poster Presentation – Malaysia-Japan International Conference on Nanoscience, Nanotechnology and Nanoengineering 2020 (MJIC 2020), UiTM, February 2020
 - *The Growth of Graphene Film on Low Carbon Source from Waste of Industrial Cooking Oil, AYAMAS - M.Z. Nurfazianawatie, M.J. Salifairus, M.F. Malek, M.M. Mahat, M.Rusop and N. A. Asli*
3. Research Poster Competition – UiTM Research Fiesta 2019 (URF 2019), UiTM, October 2019
 - *Silicon Nanowires by Silver Nanoparticle-assisted Chemical Etching Structural and Optical Studies for Light Detection Application Enhancement – H. Omar, M.F. Malek, S. Abdullah, M. Rusop, N. A. Asli*

4. Research Poster Competition – UiTM Research Fiesta 2019 (URF 2019), UiTM, October 2019
 - *Optical and Morphological of Graphene Film Synthesized from Waste Industrial Oil, AYAMAS – M.Z. Nurfazianawatie, N. A. Abdullah, M.J. Salifairus, M.F. Malek, M.M. Mahat, M. Rusop, N. A. Asli*
5. Research Poster Competition – UiTM Research Fiesta 2019 (URF 2019), UiTM, October 2019
 - *Effects of Storage Temperature on Shelf-Life of Mango Coated with Zinc Oxide Nanoparticles - N.S.A.Malek, N.F.Rosman, M.Rusop, Z.Khusaimi, N.A.Asli*
6. Gold Medal - Invention Innovation Design & Exposition (IIDEX), UiTM, September 2019
 - *Effect of Different Weight Percentage of Zinc Oxide Nanoparticle to Extend Shelf Life of Mango*
7. Gold Medal - Invention Innovation Design & Exposition (IIDEX), UiTM, September 2018
 - *Synthesis Multilayer Graphene Using Waste Cooking Oil for Humidity Sensor Applications*
8. *Anugerah Perkhidmatan Cemerlang UiTM 2018 - Majlis Kemuncak Bulan Inovasi 2018, December 2018*
9. Festival Sains, Teknologi dan Inovasi (FESTASI) III 2018, Perak, April 2018
 - *Determination Zinc Oxide Nanoparticles with Glutinous Flour Effect on Anthracnose Disease on Post Harvest Mango - N.A.Masdar, U.S.Khaironi, N.F.Rosman and N. A. Asli*
10. Product Innovation & Pre-Commercialization Literacy lab Programme (PreCom-Lab) SIRI 2/2015, UiTM, June 2015
 - *Projek Inovasi Prosthecate 9 Leg Prosthesis - A. Zayana, M. Zakinah, W. S. Asmaa and N. A. Asli*
11. Best Poster Presentation - The International Conference for Nanomaterials Synthesis and Characterization (INSC2011), Seri Kembangan, July 2011
 - *Novel method: Coral like structure of align carbon nanotubes (A-CNTs) on Porous Silicon Template (PSiT) without catalyst; Green approach - N. A. Asli, S. Abdullah, M. Rusop, A.B. Suriani, S.F. M. Yusop*
12. Bronze Medal - Invention, Innovation & Design 2010 - Special Edition, UiTM, October 2010
 - *Art of the Nano - World from Porous Silicon (PSi) - N. A. Asli, S. Abdullah, M. Rusop, Noridah Noordin*
13. Bronze Medal - Invention, Innovation & Design 2010 - Special Edition, UiTM, October 2010
 - *Novel method: Coral like structure of align carbon nanotubes (A-CNTs) on Porous Silicon Template (PSiT) without catalyst; Green approach - N. A. Asli, S. Abdullah, M. Rusop, A.B. Suriani, S.F. M. Yusop*

GRANTS AND FUNDINGS

- i. **GIP**
Title: The Effect of Zinc Oxide Nanoparticles Weight Percentage and Particles Size Coated on Mango to Inhibit Anthracnose Disease – RM 20,000.00
- ii. **FRGS**
Title: Effect of ZnO Nanoparticles Coated Mango Fruit on Antifungal Activity of Colletotrichum Gloeosporiodes – 1/9/2019 - 30/11/2021, RM 62,800.00
- iii. **RAGS**
Title: Synthesis of Graphene from Waste Cooking Oil – 1/12/2015-30/11/2017, RM 43,000.00

POSTGRADUATE SUPERVISION

- Completed Postgraduate (Research) Supervision

Name	Level	Role
Nurfarhana Binti Rosman	MSc	SV

- On-going Postgraduate (Research) Supervision

Name	Level	Role
1. Hafsa Binti Omar	PhD	SV
2. Nurfazianawatie Binti Mohd Zin	MSc	SV
3. Nur Syazwani Binti Abdul Malek	MSc	SV
4. Kamil Muhammad Bin Yusoff	MSc	SV