**CURRICULUM VITAE**

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| **A. BUTIR-BUTIR PERIBADI *(Personal Details)*** | | | |
| Nama Penuh *(Full Name)* | Mohd Haniff bin Wahid | | Gelaran *(Title): Dr* |
| No. MyKad / No. Pasport *(Mykad No. / Passport No.)*  820424-71-5063 | Warganegara *(Citizenship)*  Malaysia | Bangsa *(Race)*  Melayu | Jantina *(Gender)*  Lelaki |
| Jawatan *(Designation)*  Pensyarah kanan |  | Tarikh Lahir *(Date of Birth)* | 24 April 1982 |

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| Alamat Semasa *(Current Address)* | Jabatan/Fakulti *(Department/Faculty)* | E-mel dan URL *(E-mail Address and URL)* |
| 3, Lot 3084, Jalan Air Hitam, Kg. Sg. Merab Luar, 43000, Kajang, Selangor  Tel: 03-89259602 | Jabatan Kimia, Fakulti Sains, 43400 Serdang, Selangor  Tel: 03-89466784  Fax: | E-mail: mw\_haniff@upm.edu.my  URL:  H/P: 01132967266 |

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| **B. KELAYAKAN AKADEMIK *(Academic Qualification)*** | | | |
| Nama Sijil / Kelayakan *(Certificate / Qualification obtained)* | Nama Sekolah Institusi *(Name of School / Institution)* | Tahun *(Year obtained)* | Bidang pengkhusususan  *(Area of Specialization)* |
| Ph.D | Flinders University of South Australia | 2016 | Chemistry |
| MSc. | Universiti Putra Malaysia | 2011 | Materials Chemistry |
| B.Eng | Toyohashi University of Technology | 2007 | Materials Science and Engineering |

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| **C. KEMAHIRAN BAHASA** *(Language Proficiency)* | | | | | |
| Bahasa / *Language* | Lemah  *Poor (1)* | Sederhana  *Moderate (2)* | Baik  *Good (3)* | Amat Baik  *Very good (4)* | Cemerlang  *Excellent (5)* |
| English |  |  |  | / |  |
| Bahasa Melayu |  |  |  |  | / |
| Chinese |  |  |  |  |  |
| Lain-lain *(other): Japanese* |  |  | / |  |  |

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| **D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN**  ***(Scientific experience and Specialisation)*** | | | | |
| *Organization* | *Position* | *Start Date* | *End Date* | *Expertise* |
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| **E. PEKERJAAN *(Employment)*** | | | | |
| Majikan */ Employer* | Jawatan */ Designation* | Jabatan / *Department* | Tarikh lantikan / *Start Date* | Tarikh tamat /  *Date Ended* |
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| **F. ANUGERAH DAN HADIAH** *(Honours and Awards)* | | | | |
| *Name of awards* | *Title* | *Award Authority* | *Award Type* | *Year* |
| *Academic Awards* | PhD scholarship | MOHE-UPM | Scholarship | Sept 2011 – Sept 2015 |
| *Non-Academic Awards* |  |  |  |  |
| *Awards of Merit* |  |  |  |  |

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| **G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan)** *(List of publications – author (s), title, journal, volume, page and year published)* | |
| *Journal* | 1. Ali, M. S. M., Zainal, Z., Hussein, M. Z., **Wahid, M. H**., Bahrudin, N. N., Muzakir, M. M., and Jalil, R. (2021). Porous carboxymethyl cellulose carbon of lignocellulosic based materials incorporated manganese oxide for supercapacitor application. International Journal of Biological Macromolecules, 180, 654-666. 2. Sarif, M., Zainal, Z., Hussein, M. Z., **Wahid, M. H**., and Bahrudin, N. N. (2021). Enhanced Capacitive Performance of Manganese Oxide/Mesoporous Carbon Composite Film Electrodes. Journal of Electronic Materials, 50(2), 419-431. 3. Pohan, N. A., **Wahid, M. H**., Zainal, Z., and Ibrahim, N. A. (2021). Pickering-emulsion-templated synthesis of 3D hollow graphene as an efficient oil absorbent. RSC Advances, 11(7), 3963-3971. 4. Aris, N. I. F., Rahman, N. A., **Wahid, M. H.,** Yahaya, N., Abdul Keyon, A. S., and Kamaruzaman, S. (2020). Superhydrophilic graphene oxide/electrospun cellulose nanofibre for efficient adsorption of organophosphorus pesticides from environmental samples. Royal Society open science, 7(3), 192050 5. Mustafa, M. N., Shafie, S., **Wahid, M. H.,** and Sulaiman, Y. (2020). Preparation of TiO2 compact layer by heat treatment of electrospun TiO2 composite for dye-sensitized solar cells. Thin Solid Films, 693, 137699. 6. Shafiee, F. N., Hamidon, M. N., **Wahid, M. H**., Shaari, A. H., Ertugrul, M., Abdullah, N. H., and Ibrahim, I. R. (2020). Effect of nanometric and micronic particles size on physical and electrical properties of graphite thick film. International Journal of Nanotechnology, 17(11-12), 825-839. 7. Zubir, H. S. M., **Wahid, M. H**., Ling, I., Lim, H. N., Kamaruzaman, S., and Zainal, Z. (2020). Preparation and characterization of p-sulfonated calix [4] arene functionalized chitosan hydrogel beads and their preliminary adsorption study towards removal of lead (II) and zinc (II) ions. Malaysian Journal of Fundamental and Applied Sciences, 16(4), 429-432. 8. Sarif, M., Ali, M., Zainal, Z., Hussein, M. Z., **Wahid, M. H**., and Bahrudin, N. N. (2020). Controlled concentration of Mn salt for the synthesis of manganese oxide/mesoporous carbon film as potential electrodes for supercapacitor. Malaysian Journal of Analytical Sciences, 24(2), 209-217. 9. Bahboh, A., Shaari, A. H., Baqiah, H., Kien, C. S., Kechik, M. M. A., **Wahid, M. H**., and Talib, Z. A. (2019). Effects of HoMnO3 nanoparticles addition on microstructural, superconducting and dielectric properties of YBa2Cu3O7–δ. Ceramics International, 45(11), 13732-13739. 10. Mustafa, M. N., Shafie, S., **Wahid, M. H.**, and Sulaiman, Y. (2019) Optimization of power conversion efficiency of polyvinyl alcohol/titanium dioxide compact layer using response surface methodology/central composite design. Solar Energy 183, 689-696. 11. Ali, M. S. M., Zainal, Z., Hussein, M. Z., Wahid, M. H., Chang, S. K., Fudzi, L. M., and Al-Zahrani, A. A. M. (2019). Mesoporous carbon film via spin coating soft templating method for supercapacitor electrode. International Journal of Nanotechnology, 16(11-12), 640-659. 12. Mustafa, M. N., Shafie, S., **Wahid, M. H**., and Sulaiman, Y. (2019). Optimization of power conversion efficiency of polyvinyl alcohol/titanium dioxide as light scattering layer in DSSC using response surface methodology/central composite design. Results in Physics, 15, 102559.. 13. Mustafa, M. N., Shafie, S., **Wahid, M. H**., Sulaiman, Y. (2019) Light scattering effect of polyvinyl-alcohol/titanium dioxide nanofibers in the dye-sensitized solar cell. Scientific Reports 9 (1), 1-8. 14. Foo, C.Y., Lim, N. H., Mahdi, M. A., **Wahid, M. H.**, and Huang, N. M. (2018). Three-dimensional printed electrode and its novel application in electronic devices. Scientific Reports 8 (1), 1-11. 15. Chen, X., Gibson, C. T., Britton, J., Eggers, P. K., **Wahid, M. H.** and Raston, C. L. (2015). p-Phosphonic acid calix [8] arene assisted dispersion and stabilisation of pea-pod C60 @ multi-walled carbon nanotubes in water. Chemical Communications, 51, 2399-2402. 16. **Wahid, M. H.**, Chen, X., Gibson, C. T., Boulos, R. A. and Colin L. Raston. (2015). Amphiphilic graphene oxide stabilisation of hexagonal BN and MoS2 sheets. Chemical Communications, 51, 11709-11712. 17. **Wahid, M. H.**, Eroglu, E., LaVars, S. M., Newton, K., Gibson, C. T., Stroeher, U. H., Chen, X., Boulos, R. A., Raston, C. L. and Harmer, S-L. (2015). Microencapsulation of bacterial strains with graphene oxide nano sheets using vortex fluidics. RSC Advances, 5, 37424-37430. 18. **Wahid, M. H.**, Stroeher, U. H., Eroglu, E., Chen, X., Vimalanathan, K., Raston, C. L. and Boulos, R. A. (2015). Aqueous based synthesis of antimicrobial-decorated graphene. Journal of Colloid and Interface Science, 443, 88-96. 19. Eroglu, E., Zang, W., Eggers, P. K., Chen, X., Boulos, R. A., **Wahid, M. H.**, Smith, S. M. and Raston, C. L. (2013). Nitrate uptake by p-phosphonic acid calix [8] arene stabilized graphene. Chemical Communications, 49(74), 8172-8174. 20. **Wahid, M. H.**, Eroglu, E., Chen, X., Smith, S. M. and Raston, C. L. (2013). Entrapment of Chlorella vulgaris cells within graphene oxide layers. RSC Advances, 3(22), 8180-8183. 21. **Wahid, M. H.**, Eroglu, E., Chen, X., Smith, S. M. and Raston, C. L. (2013). Functional multi-layer graphene–algae hybrid material formed using vortex fluidics. Green Chemistry, 15(3), 650-655. 22. Islam, K. N., Bakar, M. Z. B. A., Ali, M. E., Hussein, M. Z. B., Noordin, M. M., Loqman, M. Y., Miah, G., **Wahid, H.**, and Hashim, U. (2013). A novel method for the synthesis of calcium carbonate (aragonite) nanoparticles from cockle shells. Powder Technology, 235, 70-75. 23. K.N. Islam, A.B.Z Zuki, M.E. Ali, M.Z. Hossein, M.M. Noordin, M.Y. Loqman, **H. Wahid**, M.A. Hakim and S.B.A. Hamid. (2012). Facile Synthesis of Calcium Carbonate Nanoparticles from Cockle Shells. Journal of Nanomaterials, 2012, 2. 24. **M.H. Wahid**, Z. Zainal, I. Hamadneh, K.B. Tan, S.A. Halim, A.M. Rusli, E.S. Alaghbari, M.F. Nazarudin and E.F. Kadri. (2011). Phase formation of REBa2Cu3O7-δ (RE: Y0.5Gd0.5, Y0.5Nd0.5, Nd0.5Gd0.5) superconductors from nanopowders synthesised via co-precipitation. Ceram. Int., Vol. 38, No. 2, 1187-1193. 25. Hamadneh I., Rusli A. M., **Wahid M. H.**, and Zainal Z. (2009). Effect of nano-sized Oxalate precursor on the formation of GdBa2Cu3O7-δ phase via Coprecipitation method. Modern Physics Letters B, Vol. 23, No. 16, 2063-2068 26. Ardhyananta H., **Wahid M. H.**, Sasaki M., Agag T., Kawauchi T. and Ismail H. (2008). Performance enhancement of polybenzoxazine by hybridization with polysiloxane. Polymer, 49(21), 4585-4591. |
| *Books/Monographs* |  |
| *Chapter in book* |  |
| *Proceedings* |  |
| *Other publications* |  |
| *Computer software* |  |

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| **H. PROJEK PENYELIDIKAN TERDAHULU***(Past Research Project)* | | | | | |
| *Project No.* | *Project Title* | *Role* | *Year* | *Source of fund* | *Status* |
| *FRGS/1/2018/STG01/UPM/02/11* | Nitrate adsorption mechanism of calixarene functionalised graphene nanocomposite | Principal investigator | 2019 | FRGS | On-going |
| *GP-IPM/2017/9538300* | Heavy Metal Ions Removal using Calixarene Functionalized Nanocellulose Fibre Mat | Principal investigator | 2017 | UPM | On-going |
| *FRGS/1/2020/STG05/UPM/02/1* | Investigation of the ion diffusion and kinetic properties of gellan gum-based biopolymer electrolytes for lithium polymer batteries | Member | 2020 | FRGS | On-going |
| *FRGS/1/2018/STG01/UPM/02/17* | Adsorption and extractability study of polar pesticides by superhydrophilic electrospun cellulose nanofiber/graphene oxide membrane | Member | 2019 | FRGS | On-going |
| *FRGS/1/2017/STG01/UPM/01/1* | Role of dopant in enhancing electrochemical performance of metal chalcogenide-metal oxide hybrid thin films in photoelectrochemical cell | Member | 2017 | FRGS | On-going |