

## 1.0 EDUCATION

2021 - 2025	<b>UNSW Sydney</b> , Australia Ph.D. Mathematics and Statistics at UNSW Data Science Hub (uDASH)	: <i>Ongoing</i>
2017 - 2019	<b>Universiti Utara Malaysia (UUM)</b> , Malaysia Master of Science (Statistics) Grade	: <i>High distinction</i>
2012 - 2016	<b>Universiti Utara Malaysia (UUM)</b> , Malaysia Bachelor of Sciences (Applied Statistics) (Honours Class 1) CGPA	: 3.87/4.00
2011 - 2012	<b>Malaysian Matriculation</b> Pure Sciences Module 1 (Mathematics, Physics, Chemistry, Biology) CGPA	: 4.00/4.00
2009 - 2010	<b>Sijil Pelajaran Malaysia (SPM)</b> Pure Sciences Grade	: 7A+, 2A

## 2.0 RECENT ACHIEVEMENTS AND INVOLVEMENT

- 2.1 Organising committee member for Mathematics and Statistics UNSW Postgraduate Conference 2023
- 2.2 Session chairperson for Mathematics and Statistics UNSW Postgraduate Conference 2021, 2022 and 2023
- 2.3 One-Minute Thesis at Postgraduate Research Showcase 2023: The best for the School of Mathematics and Statistics
- 2.4 CHUBB Data Hackathon 2023 at CHUBB Insurance Australia Limited: 1<sup>st</sup> runner up
- 2.5 Innovator Pro Artificial Intelligence Competition 2023 at UNSW Sydney: 2<sup>nd</sup> runner up
- 2.6 Think-Tank Artificial Intelligence Policy Competition 2023 at University of Sydney: 2<sup>nd</sup> runner up

## 3.0 AWARDS AND SCHOLARSHIPS

- 3.1 Ph.D. Statistics (Data Science) scholarship award at UNSW Sydney: Ministry of Higher Education Malaysia (2021-present)
- 3.2 Statistics (Data Science) young academic scheme award: Universiti Putra Malaysia (UPM) (2021-present)
- 3.3 Development and research training grant for a statistical data science conference Bayes on the Beach: UNSW Sydney (2024)
- 3.4 Statistical data science winter school scholarship: Australian Mathematical Sciences Institute (AMSI) (2021)
- 3.5 Conference on artificial intelligence & data-driven innovations (AIDDI2021) scholarship: MSORSM (2021)
- 3.6 Chancellor gold medal award for bachelor's degree: UUM (2016)
- 3.7 Vice chancellor gold medal award for bachelor's degree: UUM (2016)
- 3.8 Dean's list award for bachelor's degree: UUM (2012-2016)
- 3.9 Undergraduate scholarship: Ministry of Higher Education Malaysia and UUM (2012-2016)
- 3.10 The best internship project, 'Unstructured data analytics for marketing analytics': UUM (2016)
- 3.11 The best honours project, 'Shrimp quality management, a consultation project with Arca Biru Sdn Bhd': UUM (2016)
- 3.12 Excellent service award: UUM student's representative council (2014)

## 4.0 TEACHING AND TUTORING

- 4.1 UNSW Sydney, Employability (Work Integrated Learning): Tutor for
  - CDEV3000/6000: Practice of Work - Data analytics project with industry, SAS Institute (2024)
- 4.2 Canterbury Institute of Management, School of Business: Lecturer and tutor for
  - BUSS101: Business Statistics (2024)
- 4.3 UNSW Sydney, School of Biomedical Sciences: Tutor for
  - HDAT9200: Statistical foundations for health data science (2023 - 2024)
  - HDAT9700: Statistical Modelling II (2022)
- 4.4 Macquarie University, School of Mathematical and Physical Sciences: Tutor for
  - STAT1371: Statistical data analysis (2022)
  - STAT2173: Introduction to probability (2022)
- 4.5 UNSW Sydney, School of Mathematic and Statistics: Casual academic for
  - MATH1041: Statistics for life and social sciences (2022 - 2024)
- 4.6 UNSW Sydney, StatsCentral: Assistant consultant and tutor for short courses
  - Introductory Statistics using R (2022)
  - Introductory Statistics using SPSS (2022)
  - Regression Modelling using R (2022)
- 4.7 Monash University Malaysia, School of Business: Instructor for workshops on systematic review and meta-analysis (2019-2020)
- 4.8 UPM, Faculty of Forestry: Demonstrator (research methodology course) (2019)
- 4.9 UPM, Faculty of Engineering: Demonstrator (research methodology course) (2019)

## 5.0 INDUSTRY EXPERIENCE

- 5.1 Technical Accountant at RHB Bank, Kuala Lumpur, Malaysia (2018)
- 5.2 Equipment Integration Engineer at Osram Opto-semiconductor (M), Penang, Malaysia (2016)

## 6.0 LEADERSHIP EXPERIENCE

- 6.1 Perdana Fellow to the Minister at Prime Minister's Office (Economy) of Malaysia (2021)
- 6.2 UUM Student's Representative Council (2014)
- 6.3 President, UUM Quantitative Sciences Association (2013)
- 6.4 President, High School Mathematics Society (2010)
- 6.5 President, High School School Teenage Cadet (2010)

## 7.0 RELEVANT EXPERIENCE

- 7.1 Presenter, UNSW Science Postgraduate Research Showcase (2023 and 2024)
- 7.2 Presenter, MathStats Postgraduate Conference (2021 and 2022)
- 7.3 Presenter, AgriVoltaics 2020, Perpignan, France (14 October 2020)
- 7.4 Presenter, Social Enterprise for Individuals with Autism, Kuala Lumpur, Malaysia (22 August 2019)
- 7.5 TEDx Speaker, TEDxUUM, Kedah, Malaysia (13 March 2018)

## 8.0 COMPUTER SKILLS

- 8.1 Quantitative software: R, Python, SQL, SAS, RapidMiner, SPSS, AMOS, SmartPLS, ADANCO, HLM, Review Manager
- 8.2 Qualitative software: NVivo, QDA Miner Lite
- 8.3 Documentation software: Latex, MS Office

## 9.0 WORKSHOP AND CERTIFICATION

- 9.1 Review Manager (Meta-Analysis), Monash University Malaysia (Clinical School), (2019)
- 9.2 NVivo, StatsWork, (2019)
- 9.3 SmartPLS & AMOS, MPWS, (2018)
- 9.4 SAS (Programming, Enterprise Guide & Enterprise Miner), SAS Institute, (2018, 2016)
- 9.5 R, DataCamp (MDEC), (2016)

## 10.0 PROFESSIONAL INVOLVEMENT

- 10.1 UNSW Data Science Hub (uDASH) – Core member since 2021
- 10.2 Royal Statistical Society (RSS) – Student member since 2023
- 10.3 Statistical Society of Australia (SSA) – Student member since 2022
- 10.4 Society for Industrial and Applied Mathematics (SIAM) – Student member since 2023
- 10.5 Perdana Fellow Alumni Association (PFAA) – Member since 2021
- 10.6 Malaysia Board of Technologists (MBoT) – Member since 2021
- 10.7 Institut Statistik Malaysia (Malaysian Institute of Statistics) (ISM) – Member since 2020
- 10.8 Persatuan Matematik dan Sains Malaysia (Malaysian Mathematics and Sciences Association) (PERSAMA) – Member since 2020
- 10.9 Management Science/ Operational Research Society of Malaysia (MSORSM) – Member since 2020

## 11.0 SOME PUBLICATIONS

- 11.1 **Jamaluddin, A. H.**, & Mahat, N. I. (2020). Validation Assessments on Resampling Method in Imbalanced Binary Classification for Linear Discriminant Analysis. *Journal of Information & Communication Technology*, 20(1), 83-102. **WoS (ESCI) & Scopus Q2**
- 11.2 **Jamaluddin, A. H.**, & Mahat, N. I. (2019). The Effects of Resampling Methods on Linear Discriminant Analysis for Data Set with Two Imbalanced Groups: An Empirical Evidence. *Advances and Applications in Statistics*, 59(1), 17–42. **WoS (ESCI)**
- 11.3 Anuar, N., **Jamaluddin, A. H.**, Bakar, A. Y. A., Saleem, M., Ekawati, F. F. (2023). Imagery as Alternative Therapy of Depression: A Systematic Literature Review (SLR). *Journal for ReAttach Therapy and Developmental Diversities*, 6 (9s (2)), 105-112. **Scopus Q4**
- 11.4 Roslan, N., Ya'acob, M.E., Jamaludin, D., Hashimoto, Y., Othman, CM H, Noor Iskandar, A., Ariffin, M. R., Ibrahim, M. H., Mailan, J., **Jamaluddin, A. H.** (2021). Influences of Dye-Sensitized Solar Cell (DSSC) on Light Quality, Microclimate and Growth of Orthosiphon stamineus in Tropical Climatic Condition. *Agronomy*, 11(4), 631. **WoS (SCIE Q1) & Scopus Q1**
- 11.5 Othman, N. F., Ya'acob, M. E., Lu, L., **Jamaluddin, A. H.**, Su, A. S. M., Hizam, H., Shamsudin, R., Jaafar, J. N. (2023). Advancement in Agriculture Approaches with Agrivoltaics Natural Cooling in Large Scale Solar PV Farms. *Agriculture*, 13(4), 854. **WoS (SCIE Q1) & Scopus Q1**
- 11.6 Othman, N. F., Ya'acob, M. E., Su, A. S. M., Jaafar, J. N., Hizam, Shahidan, M. F., **Jamaluddin, A. H.**, Chen, ., Jalaludin, A. (2020). Modeling of Stochastic Temperature and Heat Stress directly underneath Agrivoltaic conditions with Orthosiphon Stamineus Crops Cultivation. *Agronomy*, 10(10), 1472. **WoS (SCIE Q1) & Scopus Q1**
- 11.7 Jamil, N. S., Mazatuszihah Ahmad, & **Jamaluddin, A. H.** (2021). Tensile Properties of Natural Fibre Reinforced Polymer Composite Foams: A Systematic Review. *Journal of Advanced Industrial Technology and Application*, 2(1), 28-35.