



## CURRICULUM VITAE



### Sr Gs Dr Siti Nur Aliaa Roslan

Department of Civil Engineering, Faculty of Engineering, Universiti Putra Malaysia.  
43400 Serdang. Selangor

**Tel.** : +60397 6393  
**E-mail** : [aliaa\\_roslan@upm.edu.my](mailto:aliaa_roslan@upm.edu.my)  
**ORCID** : <https://orcid.org/0000-0002-9725-4378>  
**Google Scholar** : Siti Nur Aliaa Roslan (H-index= 5)  
**ResearchGate** : <https://www.researchgate.net/profile/Siti-Nur-Aliaa-Roslan-2>  
**Website** : -

### Education

- PhD in GIS and Geomatic Engineering, 2017, UPM
- M. Sc. Remote Sensing & GIS, 2008, UPM
- B. Surv. Sc. & Geomatic (Honours), 2006, UiTM
- A-Levels, The Nottingham Bluecoat 6th Form & Technology College, Nottingham, UK

### Research Interest

- Remote Sensing, Geographical Information System, Geomatics Engineering (Cadastral Surveying, Engineering Surveying)
- Radar & Lidar applications
- Building Comfort Index & BIM

### Professional Membership & Learned Society

- The Royal Institution of Surveyors Malaysia (RISM) - Member
- Institution of Geospatial and Remote Sensing Malaysia (IGRSM) - Professional Member

### Appointments

- Senior Lecturer, Department of Civil Engineering, Universiti Putra Malaysia 3 Jan 2022 - now
- Head, Geospatial Information Science Research Centre (GISRC), Faculty of Engineering, UPM 1 March 2022 - now
- Advisor, Civil Engineering Student Club, Department of Civil Engineering, Faculty of Engineering, UPM 1 March 2022 - now
- Lecturer, Civil Engineering & Construction Division, Faculty of Engineering Science & Technology, Infrastructure University Kuala Lumpur 1 Nov 2007 - Jan 2022
- Head of Department, Department of Geomatic Engineering, Faculty of Architecture & Built Environment, Infrastructure University Kuala Lumpur Jan 2010 – Aug 2010, Jan 2012 – Dec 2015
- Head of Department, Department of Geomatic Engineering, Faculty of Engineering Science & Technology, Infrastructure University Kuala Lumpur Jan 2017 – Oct 2018

### Publications (2019 - current)

- Gambo J., **Siti Nur Aliaa Roslan**, Helmi Zulhaidi Mohd Shafri, Nik Norasma Che Ya & Yusuf Y. A. (2023). Unveiling groundwater potential zones as catalyst for multidimensional poverty reduction using analytical hierarchical process and geospatial decision support systems (S-DSS) approach in the semiarid region, Jigawa, Nigeria. *Groundwater for Sustainable Development*. Q1, Impact factor 5.9. (Accepted and corrections submitted). (Corresponding Author)
- Zhang, G., Roslan, **Siti Nur Aliaa Roslan**., Wang, C. *et al.* Research on land cover classification of multi-source remote sensing data based on improved U-net network. *Sci Rep* **13**, 16275 (2023). <https://doi.org/10.1038/s41598-023-43317-1>. (Impact factor 4.6). (PhD Student - main supervisor)
- Zhang G., **Siti Nur Aliaa Roslan**, Quan L., Yuan P. (2023). Simulation of spatiotemporal patterns of habitat quality and driving mechanism in Anhui province, China. *Frontiers in Environmental Science*, 11. ISBN: 2296665X. Q1, Impact factor 5.411. (PhD Student - main supervisor)
- Nur Syazwani Zulkifli & **Siti Nur Aliaa Roslan** (2023). The Effect of Technology Acceptance Model (TAM) Challenges in Building Information Modelling (BIM) Implementation in Relation to Malaysia Government Mandate. Web ISSN: 1551-7616, Print ISSN: 0094-243X. (Scopus). (Main supervisor, Corresponding Author)
- Nur Widad Roslan, Normaliza Abd Rahim, Tuan Muhammad Hanif Tuan Ab Hamid, Nur Maisarah Roslan, **Siti Nur Aliaa Roslan**. (2022). Facebook vs. Twitter: Social media platform selection for news consumption among undergraduate students. *SEARCH*, 14(3), 117–129.
- Nur Widad Roslan, Normaliza Abd Rahim, Nur Maisarah Roslan, & **Siti Nur Aliaa Roslan**. (2022). Students' presupposition towards incooperating AI (Artificial Intelligence) technology in virtual and face-to-face classes. *International Journal of Advanced Research in Future Ready Learning and Education*, 27(1), 16–19.
- Haruna Yusuf Yusuf, Golnoosh Manteghi & **Siti Nur Aliaa Roslan** (2021). The Effective Adaptation of Green Building Concept Using Building Industrialized Management with BIM for The Upgraded Construction Market. *International Journal on Infrastructure, Research and Management IUKL*. 9(2), 104-112. (Indexed: My *Jurnal*, My CITE)
- Normaliza Abd Rahim, Nur Widad Roslan, Nur Maisarah Roslan, Nik Rafidah Nik Muhammad Affendi & **Siti Nur Aliaa Roslan** (2020). Blog Writing for Learning. *Universal Journal of Educational Research*. 8(1): 5622-5627. (Scopus – CIJ)
- Normaliza Abd Rahim, Nur Widad Roslan, Nur Maisarah Roslan & **Siti Nur Aliaa Roslan** (2020). Vocabulary Learning of "Here", "There" and "Over There" in Stories among Primary School Students. *Solid State Technology*. 63 (4), 7610-7618
- Nik Norasma Che' Ya, L. A. N. Alahyadi, F. F. W. Fazilah, **Siti Nur Aliaa Roslan** & Z. Tarmidi (2020). Identification Spectral Signature of Weed Species in Rice Using Spectroradiometer Handheld Sensor. *IOP Conference Series: Earth and Environmental Science*. Vol 540, year 2020. (Scopus Indexed)
- Normaliza Abd Rahim, Nik Rafidah Nik Muhammad Affendi, Nur Maisarah Roslan, Nur Widad Roslan & **Siti Nur Aliaa Roslan** (2020). Conflict in Translation of Children Folklore Songs. *International Journal of Scientific & Technology Research*, 9 (9), 252-256. (NON-CIJ)
- Turki Abdulrahman Saleh Hussein & Siti Nur Aliaa Roslan. Building Comfort Index (BCI) for IUKL Library. *International Journal on Infrastructure, Research and Development, IUKL*. Vol 9, Year 2021

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- Siti Nur Aliaa Roslan (2020). The Impact of Building Design and Comfort Towards Buildings in Tropical Urban Environment. In Normaliza Abd Rahim (ed) Spektrum Penyelidikan: Teori dan Aplikasi. Pp.135-148. Terengganu: Penerbit Universiti Malaysia Terengganu.
  - Normaliza Abd Rahim, Siti Nur Aliaa Roslan, Nur Maisarah Roslan & Nur Widad Roslan (2020) The Effects of Climate Change. In Normaliza Abd Rahim (ed) Spektrum Penyelidikan: Teori dan Aplikasi. Pp. 189-196. Terengganu: Penerbit Universiti Malaysia Terengganu.
  - Normaliza Abd Rahim, Nur Widad Roslan, Nur Maisarah Roslan, Nik Rafidah Nik Muhammad Affendi & Siti Nur Aliaa Roslan (2020). Blog Writing for Learning. Universal Journal of Educational Research. 8(1): 5622-5627. (Scopus – CIJ)
  - Normaliza Abd Rahim, Nur Widad Roslan, Nur Maisarah Roslan & Siti Nur Aliaa Roslan (2020). Vocabulary Learning of "Here", "There" and "Over There" in Stories among Primary School Students. Solid State Technology. 63 (4), 7610-7618
  - Nik Norasma Che' Ya, L. A. N. Alahyadi, F. F. W. Fazilah, Siti Nur Aliaa Roslan & Z. Tarmidi (2020). Identification Spectral Signature of Weed Species in Rice Using Spectroradiometer Handheld Sensor. IOP Conference Series: Earth and Environmental Science. Vol 540, year 2020. (Scopus Indexed)
  - Normaliza Abd Rahim, Nik Rafidah Nik Muhammad Affendi, Nur Maisarah Roslan, Nur Widad Roslan & Siti Nur Aliaa Roslan (2020). Conflict in Translation of Children Folklore Songs. International Journal of Scientific & Technology Research, 9 (9), 252-256. (NON-CIJ)
  - Normaliza Abd Rahim, Siti Nur Aliaa Roslan, Nur Maisarah Roslan & Nur Widad Roslan (2020). Discourse in E-text. International Journal of Scientific & Technology Research, 9 (9), 62-65 (NONCIJ)
  - Siti Nur Aliaa Roslan (2020). The Impact of Building Design and Comfort Towards Buildings in Tropical Urban Environment. Applied Thermal Engineering (Q1) – submitted for review. Chinedu Angus Okpala & Siti Nur Aliaa Roslan (2019). The Causes of Delays and Disruption in Construction Project in Serdang, Selangor, Malaysia. IUKL Research Journal. 7, 1-10. (Indexed : My Jurnal, My CITE)
  - Normaliza Abd Rahim, Roslina Mamat, Nor Shahila Mansor, Hazlina Abdul Halim & Siti Nur Aliaa Roslan (2019). Spoken Discourse Towards Climate Change. IUKL Research Journal. Vol 7, Year 2019 (in print). (Indexed: My Jurnal, My CITE)
  - Normaliza Abd Rahim, Nur Widad Roslan, Nur Maisarah Roslan & Siti Nur Aliaa Roslan. Discourse in E-Text Among Korean Learners. IUKL Research Journal. Vol 7, Year 2019 (in print). (Indexed : My Jurnal, My CITE)
  - Wong Pak Xian & Siti Nur Aliaa Roslan (2019). Construction and Demolition Waste Management in Malaysian Construction Industry – Concrete Waste Management. IUKL Research Journal. Vol 7, Year 2019 (in print). (Indexed: My Jurnal, My CITE)
  - Siti Nur Aliaa Roslan (2019). Building Comfort Index: From Malaysia Buildings Perspective. IUKL Research Journal. Vol 7, Year 2019 (in print). (Indexed: My CITE)

#### Conference Proceedings/Academic Talks (2019 – recent in descending order)

- Nurin Syuhada Sulima, Helmi Zulhaidi Mohd Shafri, **Siti Nur Aliaa Roslan**, Aidi Hizami Ales @ Alias & Anomaht Aitin (2023). BIM-GIS Integration Based On UAV Data For Site Assessment. The XVIII International Congress for Mine Surveying 2023. 26 – 29 October 2023. Conference Proceedings. (Corresponding Author & Presenter)
  - Siti Nur Aliaa Roslan, Aiman Ahmed Fadhl, Nur Maisarah Roslan, Nur Widad Roslan & Suraya Amirrudin (2021). Obtaining Ground Control Point (GCP) Coordinate by Using Global Navigation
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Satellite System (GNSS) for Building Construction and Refurbishment. International Forum on Integrated Infrastructure Development (InFIID 2021). 21-22 September 2021. Best Presenter Award.

- Siti Nur Aliaa Roslan, Nur Maisarah Roslan & Nur Widad Roslan. Confusion in Geospatial Terminologies due to Language Barrier. Malaysia International Conference on Foreign Languages 2021. 4 – 5 October 2021.
- Siti Nur Aliaa Roslan (2019). Informal Interaction Among Students During Survey Camp. International Conference on Creative Teaching, Assessment and Research in the English Language (ICCTAR 2019). 26-28 June 2019.

#### Research Grants

- Penerapan “Model Penceritaan Nilai Sosial” Dalam Animasi Cerita Rakyat Kanak-kanak Melalyu Penderiaan Jarak Jauh dan Sistem Maklumat Geografi **(Member)** UPM – Geran Putra Berimpak 2019 - 2021 RM 139,000

#### Community or Industry Projects/Grants

- IUKL CPS & Research Workshop – “Literature Review: How to be Critical?” and “Methodology : Is This the Right Way?”; IUKL – CPS; Speaker 2019

#### Teaching Experience

- **Postgraduate:**
  - Digital Image Processing & Analysis (Master & PhD – Universiti Putra Malaysia)
  - Analysis and Digital Image Interpretation Master & PhD – Universiti Putra Malaysia)
  - Microwave Remote Sensing (Master & PhD – Universiti Putra Malaysia)
- **Bachelor & Diploma**
  - Geomatics Engineering
  - Engineering Mathematics II
  - Engineering Surveying I & II
  - Geographical Information System (GIS)
  - Remote Sensing
  - Global Positioning System / GNSS
  - Engineering Surveying for Civil Engineers
  - Survey Camp for Geomatic Engineering & Civil Engineering
  - Engineering Surveying Lab for Civil Engineering
  - Surveying & Fieldwork for Construction Management
  - Surveying & Geomatic Engineering (Monash University Malaysia)
  - Engineering Surveying Fieldwork (Universiti Pertahanan Nasional Malaysia)
- **Diploma**
  - Cadastral Surveying I & II
  - Land Law & Regulations I & II
  - Computation in Surveying I & II
  - Astronomy
  - Geodesy I & II
  - Cartography
  - Digital Photogrammetry