

## **Curriculum Vitae**

### **Dr. Nayef F. Alghais**

#### **Personal Data:**

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Geography Department

College of Social Sciences

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Nationality: Kuwait

Position: Associate Professor

General specialization: Human Geography

Specific Specialization: Population Geography

### **Education:**

1. Ph.D. in Population Geography- 2018, The University of Queensland, Australia. Topic titled: “Developing urban models to address population growth impacts and assisting with future urban planning in Kuwait and other Arabian Gulf countries.”
2. M.Sc. Geographic Information Sciences- 2013, The University of Queensland, Australia. Topic titled: “Development of an innovative method for the collection and analysis of accident data in Kuwait.”
3. M.Sc. Applied Geosciences and GIS- 2012, Kuwait University.
4. B.A. in Geography- 2008 Kuwait University.

### **Academic Professional Experience:**

- Teaching Assistant at Geography Department, Kuwait University 2011 to 2012.
- Postgraduate academic scholarship member from Geography Department, Kuwait University 2012 to 2018.
- Assistant Professor, Geography Department, Kuwait University, 2018 to 2023.
- Associate Professor Geography Department, Kuwait University, 2024 until now.

## **Publications:**

**1- Alghais, N., & Pullar, D. (2015).** Modelling the impacts of current patterns of urban form expansion in Kuwait with the use of ABM and GIS. *Proceedings of the 21st International Congress on Modelling and Simulation*, Gold Coast, Australia, pp. 1202–1208.

**2- Alghais, N., & Pullar, D. (2017).** Projection for new city futures- A case study for Kuwait. *Proceedings of the 15th International Conference on Computers in Urban Planning and Urban Management*, Adelaide, Australia, <<http://www.unisa.edu.au/Education-Arts-and-Social-Sciences/Art-Architecture-and-Design/News-and-events/CUPUM/View-Papers-and-Poster-Abstracts/>>.

**3- Alghais, N., & Pullar, D. (2017).** Modelling future impacts of urban development in Kuwait with the use of ABM and GIS. *Transactions in GIS*, pp. 1-23. doi: 10.1111/tgis.12293.

**4- Alghais, N., & Pullar, D. (2018).** Projection for new city future scenarios – A case study for Kuwait. *Heliyon*, vol. 4, no. 3, <<https://doi.org/10.1016/j.heliyon.2018.e00590>>.

**5- Alghais, N., Pullar, D., & Charles-Edwards, E. (2018).** Accounting for peoples' preferences in establishing new cities: A spatial model of population migration in Kuwait. *Plos One*, 13(12). doi: 10.1371/journal.pone.0209065.

**6- Alghais, N. (2019).** Evaluation of the Impacts of Lack of geoinformation Data in Crisis Management during the 2018 Kuwait Flood. *Proceedings of ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, XLII-3/W8, pp. 17–24. doi: 10.5194/isprs-archives-xlii-3-w8-17-2019, Prague, Czech Republic.

- 7-** Alkhuzamy Aziz, M., & **Alghais**, N. (2021). Cartographic analysis of urban expansion in Kuwait. *Cartographica: The International Journal for Geographic Information and Geovisualization*, 56 (3), 183–207. <https://doi.org/10.3138/cart-2020-0019>.
- 8-** Algharib, S., & **Alghais**, N. (2021). Simulation of the population decline in Kuwait as a result of a major oil crisis between 2020-2050 by using GIS. *Journal of Social Sciences.*, 49 (4). ISSN 0253-2097.
- 9- Alghais**, N., & Algharib, S. (2022). Evaluation of the labuor cities locations using GIS-based on multi-criteria in Kuwait. *Journal of the Gulf and Arabian Peninsula Studies*. 48 (187), 1-34.
- 10- Alghais**, N., & Algharib, S. (2022). GIS-based spatial analysis of population density in Kuwait 1957 to 2020. *The Geographical Bulletin*. 63(3), 114-132. ISSN 2163-5900.
- 11- Alghais**, N., & Ali, A. M. (2023). Evaluating and Improving on the Development Plan of South Saad Al Abdullah as a Smart City in Kuwait. *Proceedings of IEEE International Smart Cities Conference (ISC2)*, pp.1-6, Bucharest, Romania. doi: 10.1109/ISC257844.2023.10293649.
- 12-** Algharib, S., & **Alghais**, N. (2023). Identifying the Optimal Locations of New Urban Centres for Population in Kuwait *Using GIS*. *The Arab World Geographer*. 26 (3-4), 247-262. <https://doi.org/10.5555/1480-6800-26.3-4.247>.
- 13- Alghais**, N. F., & Alkharaz, B. A. (2024). Statistical and spatial analysis of the impact of COVID-19 mortality on some demographic factors in Kuwait in 2020. *Journal of the Gulf and Arabian Peninsula Studies*, 50(192), 425- 464. <https://doi.org/10.34120/jgaps.v50i192.185>.
- 14- Alghais**, N., & Almatar, M. (2024). Analyzing the Fertility Rate Trends in Kuwait with GIS Between 2014 and 2024. *Papers in Applied Geography*, 1–16. <https://doi.org/10.1080/23754931.2024.2406474> .

### **Conferences Attended:**

- The 21st International Congress on Modelling and Simulation (MODSIM), Gold Coast, Australia, 29 November to 4 December 2015. (participation with a paper).
- The 15th International Conference on Computers in Urban Planning and Urban Management (CUPUM), Adelaide, Australia, 11 to 14 July 2017. (participation with a paper).
- Geoinformation For Disaster Management (Gi4DM), Prague, Czech Republic, 3 to 6 September 2019. (participation with a paper).
- The International Renewable Energy Congress (IREC), Tunisia, 13 to 15 December 2022.
- The 2023 IEEE International Smart Cities Conference (ISC2), Bucharest, Romania, 24-27 September 2023. (participation with a paper).
- The 7th International Conference on Frontiers of Image Processing (ICFIP), Macau, China, 16 to 18 August 2024.

### **Professional Societies Membership:**

- Kuwait Geographical Society.
- The Royal Geographical Society of Queensland Inc.
- Kuwait University Faculty Association.
- Kuwait Teachers Society.
- G.C.C. Geographical Society.

### **Teaching Bachelor's Courses:**

1. Population Geography.
2. Introduction to Human Geography.
3. Political Geography.
4. Geography of Human and Environment.
5. Urban Geography.
6. Regional Geography.
7. Geography of Kuwait.
8. Geographic Information System 1.
9. Research Methods in Geography.

### **Teaching Master's Courses:**

1. Advance Population Geography.
2. Advance studies in Political Geography.

### **Committees and administrative activities:**

- Head of the Geographic Information Systems and Remote Sensing Unit
- College of Social Sciences 2021-2022.
- Consultant to the Kuwait University Faculty Association 2022.
- Assigned to act as Head of the Geography Department from 9-8-2024 until now.
- Member in several departmental committees such as Appointments committee, Promotions committee, Scholarships committee, Study schedule committee, Academic committee, Scientific research

committee, Postgraduate studies committee, Geoday committee, The unified book committee, Annual report committee.

- Member in several college committees such as Standardized Examinations Committee for the transition to distance education during the COVID-19 pandemic period, Appointments committee, Scholarships committee.