Niki M. Katzi
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Niki M. Katzi has a Bsc in Land Surveyor and Geoinformatics Engineering, BSc in Civil Engineering, MSc in GIS and Earth Observation Management and she is a Phd Candidate in the Civil Engineering department of Frederick University. Her main interests are focusing between ecology, remote sensing and geospatial analysis. She is particularly interested in the applications of remote and geosciences in all the aspects affected by the vast and rapid climate change from an engineering perspective.

She is curious and eager to learn new things, and during her undergraduate degree her curiosity led her to explore and deal with the numerical analysis of linearly forced isotropic turbulence, an exciting new topic out of the spectrum of her main interests. In that time she investigated the statistical stationarity that was being produced by applying this method in the spectral space and in addition she solved analytically Pao's energy transfer model in spectral space for linearly forced isotropic turbulence, the model that was produced was accurate and afforded the key characteristics of the generated turbulence. During her master's degree she decided to focus and dedicate herself in the things she was truly interested. She deepened her knowledge of remote sensing, spatial modelling, analysis, geographical information science, and spatial databases.

Her thesis at the University of Edinburgh where she had her master's degree involved the employment of remote sensing techniques for studying one of the most distinctive vegetation types found in Northern

England and Scotland, Calluna Vulgaris, which is listed as an endangered species. In her dissertation, she used hyper-spectral airborne imagery acquired from the Eagle and Hawk NERC (National Environmental Research Centre) sensor for the accurate classification of Calluna Vulgaris age classes. The goal of the research was to evaluate how the spatial and spectral scale influences the classification of Calluna Vulgaris' age, and if hyper spectral imagery can be used to help with that. In her second undergraduate degree even though it was in Civil Engineering, in her thesis she collected all the possible open source data and material an built a GIS database for further assessment of the risks in the area of Larnaca and she proceeded with a primary analysis on the road network and hospital coverage in case of a disastrous event in the city. Niki M. Katzi besides her academic interests she is a professional in project management and she serves as the Internal Technical Advisor and Manager of the President and CEO in one of the biggest development groups in the island, Quality Group. The group that she is currently being employed operates in four main sectors, property, medical, education and hospitality sector.