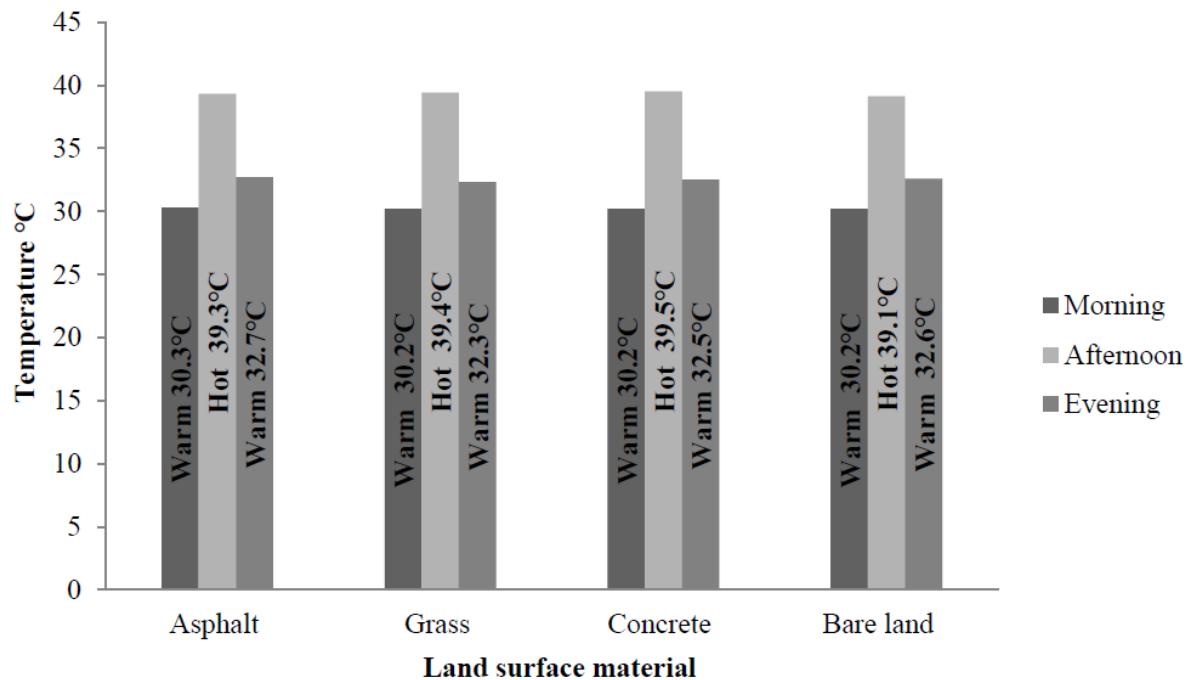


Supplementary Material (SM)**Analysis and Modeling of Physiologic Equivalent Temperature of an Outdoor Environment****Adinife P. Azodo^{1,2,*}, Salami O. Ismaila¹, Femi T. Owoeye³, Titus Y. Jibatswen⁴**¹ Department of Mechanical Engineering, Federal University of Agriculture, Abeokuta, Ogun state, Nigeria² Federal University Wukari, Wukari, Taraba state, Nigeria³ Department of Metallurgy and Material Engineering, Yaba College of Technology, Yaba, Lagos Nigeria⁴ Department of Mechanical Engineering, Federal University of Agriculture, Makurdi, Benue State, Nigeria

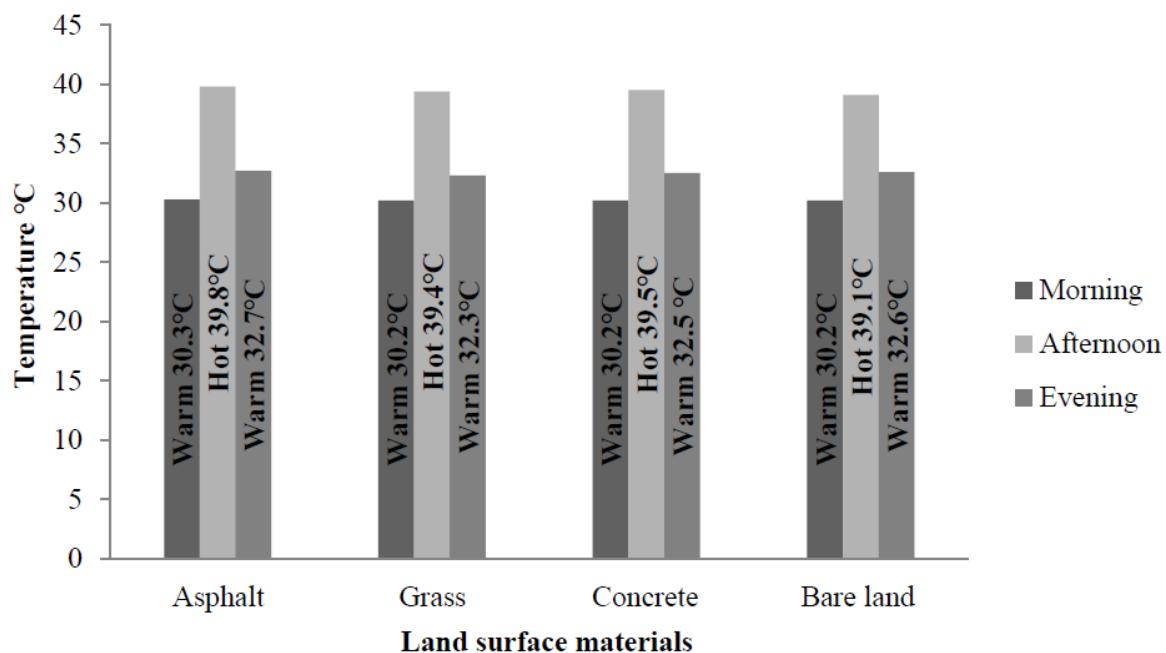
* Corresponding author: Email: azodopat@gmail.com

SM 1 PET ranges and study areas covered

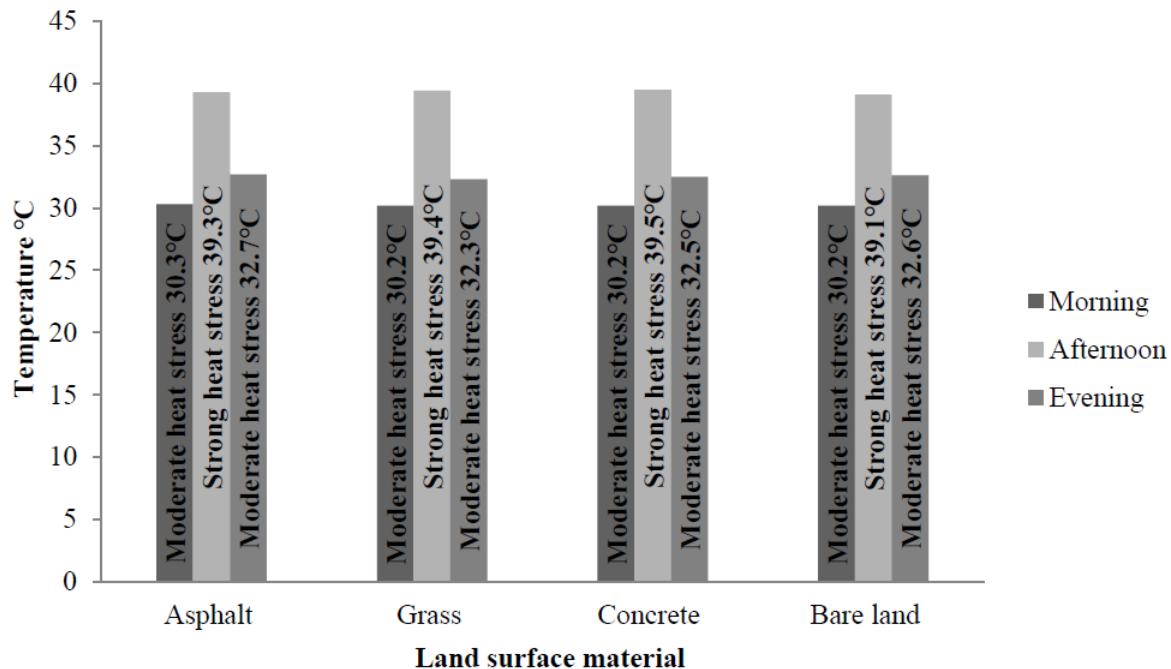
Reference	PET temperature ranges obtained for human comfort (°C)	Location of study site (Nation)	The climatic zone of the areas
Ahmed [23]	28.5 – 32.0	Bangladesh	Tropical
Johansson and Emmanuel [24]	27.5 – 32.5	Colombo, Sri Lanka	Tropical
Lin and Matzarakis [18]	24.2 – 32.8	Taiwan	Tropical
Lin [15]	21.3 – 28.5	Taiwan	Tropical
Indraganti [25]	26.0 – 32.5	India	Tropical
Kántor et al. [26]	21.3 – 29.8	Taiwan	Tropical
Kántor et al. [27]	18.0 – 23.0	Hungary	Temperate
Cohen et al. [28]	20.0 – 25.0	Tel Aviv, Israel	Mediterranean
Krüger et al. [29]	09.0 – 18.0	Glasgow, UK	Temperate
Omonijo et al. [30]	31.0 – 36.0	Nigeria	Tropical
Yahia and Johansson [31]	27.6 – 31.3	Damascus, Syria	Mediterranean
Lin et al. [32]	26.0 – 30.0	Taiwan	Tropical



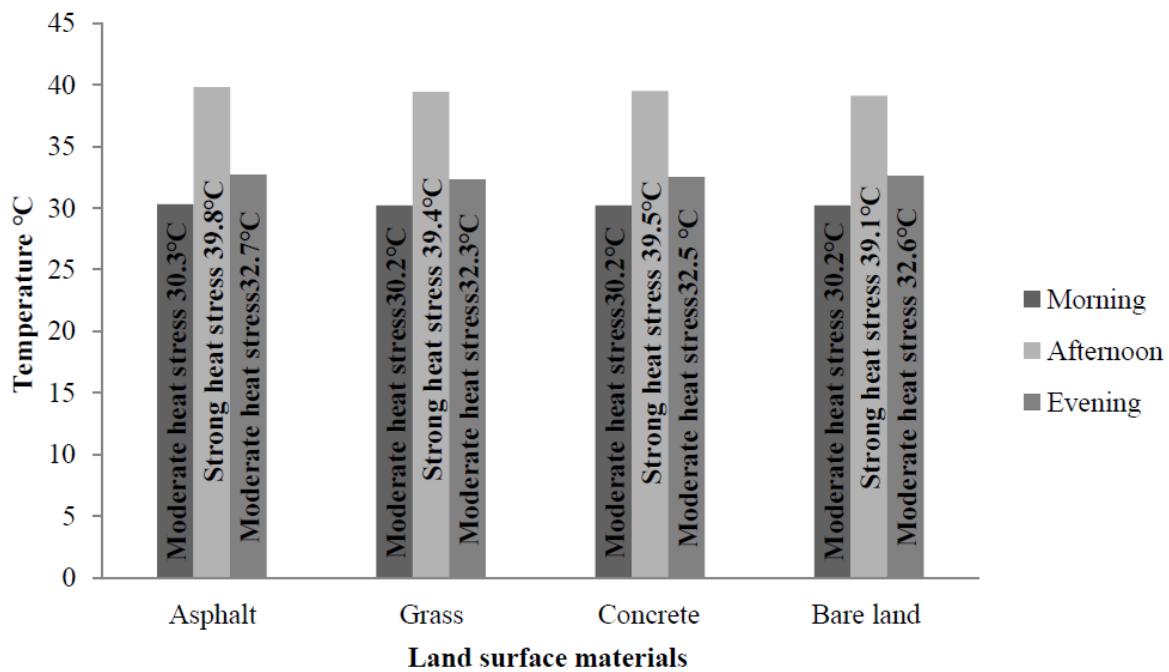
SM 2 Ambient temperature effect on thermal sensation, in association the different grades of physiologic equivalent temperature (PET) indices during the wet season.



SM 3 Ambient temperature effect on thermal sensation, in association the different grades of physiologic equivalent temperature (PET) indices during the dry season.



SM 4 Ambient temperature effect on physiological stress, in association the different grades of physiologic equivalent temperature (PET) indices during the wet season.



SM 5 Ambient temperature effect on physiological stress, in association the different grades of physiologic equivalent temperature (PET) indices during the wet season.