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Seasonal dynamics and climatic influences of greenhouse gases (CO_2, CH_4) and ammonia (NH_3) concentrations on loose housing cattle shed

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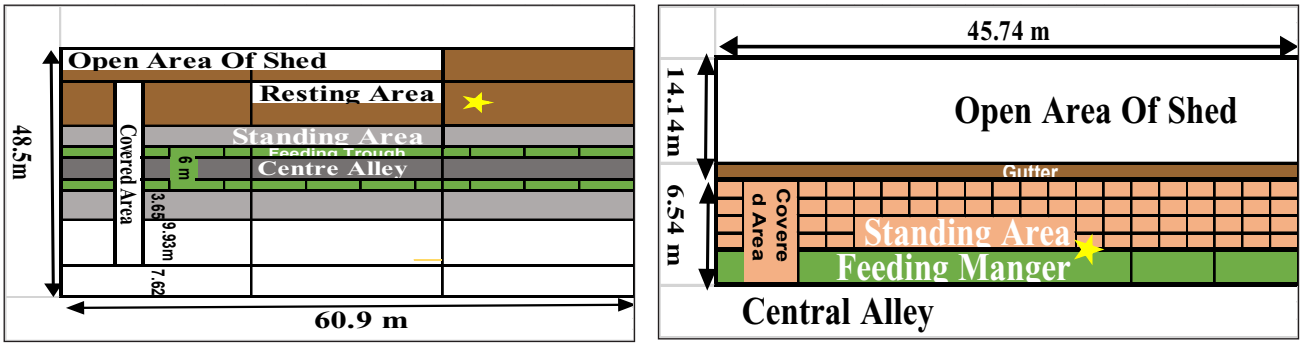
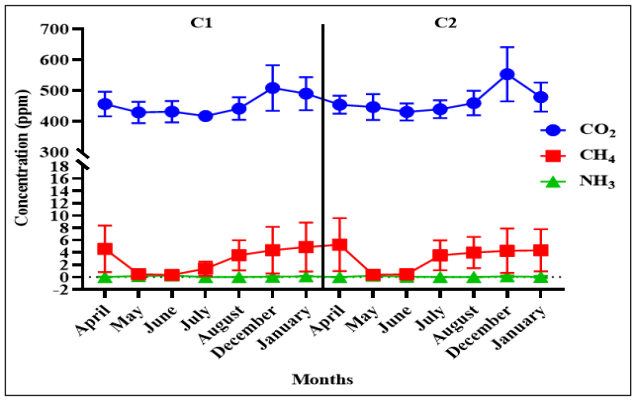
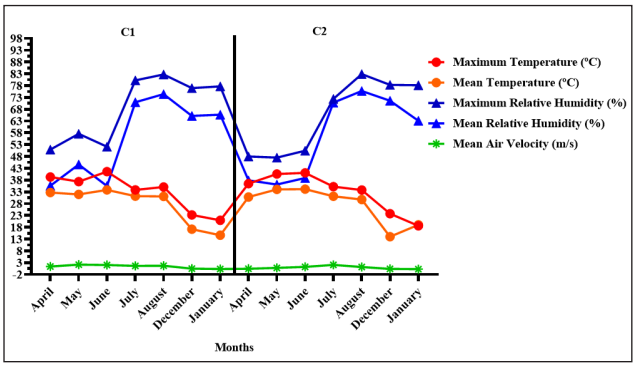


Supplementary Fig. 1. Layout and equipment position marked ★ in C1 (left) and C2 (right) sheds.



Supplementary Fig. 2. GHG and NH3 concentration (ppm) during different months in cattle sheds.



Supplementary Fig. 3. Microclimatic conditions within cattle sheds.

Supplementary Table 1. Temperature (ºC), RH (%), and average velocity (m/s) in cattle sheds during different seasons

Season Shed	Summer			Rainy			Winter		
	Temp.	RH	AV	Temp.	RH	AV	Temp.	RH	AV
C1	32.85±4.21	38.69±9.94	1.862±0.68	31.12±2.39	72.89±6.87	1.666±0.46	15.94±4.20	65.48±12.5	0.389±0.32
C2	33.00±4.39	37.62±8.48	0.800±0.41	30.40±2.33	73.34±7.25	1.612±0.73	16.10±4.54	68.01±12.4	0.334±0.26