Year	Sent	SD	Count	P 2013	P 2014	P 2015	P 2016	P 2017	P 2018	P 2019	T ₂₀₁₃	T ₂₀₁₄	T ₂₀₁₅	T ₂₀₁₆	T ₂₀₁₇	T ₂₀₁₈	T ₂₀₁₉
2013	0.96	0.29	2495	-	< .001	< .001	< .001	< .001	< .001	< .001	-	3.57	-13.92	-12.33	-19.12	-57.13	-60.08
2014	0.98	0.20	10,249		-	< .001	< .001	< .001	< .001	< .001		-	-37.85	-40.22	-58.51	-143.38	-123.13
2015	0.87	0.49	59,840			-	< .001	< .001	< .001	< .001			-	5.16	-11.89	-100.74	-90.12
2016	0.89	0.46	138,252				-	< .001	< .001	< .001				-	-23.31	-133.50	-106.77
2017	0.85	0.53	218,639					-	< .001	< .001					-	-117.69	-94.49
2018	0.62	0.78	253,307						-	< .001						-	-12.64
2019	0.58	0.81	100,566							-							-
Organism	Sent	SD	Count	$P_{\sf animals}$	$P_{{\sf bacteria}}$	$P_{embryos}$	P_{humans}	P_{plants}	$P_{{f unspecified}}$		$T_{\rm animals}$	T_{bacteria}	$T_{\rm embryos}$	$T_{\rm humans}$	$T_{\sf plants}$	$T_{{f unspecified}}$	
animals	0.73	0.50	99,131	_	< .001	< .001	< .001	< .001	< .001		_	-41.7	-175.18	-145.33	-52.39	-182.95	
bacteria	0.59	0.51	31,855		-	< .001	< .001	.038	< .001			_	-99.11	-46.78	-2.07	-61.81	
embryos	0.22	0.58	55,908			-	< .001	< .001	< .001				-	85.75	110.13	74.64	
humans	0.45	0.70	396,878				_	< .001	< .001					_	54.34	-29.72	
plants	0.58	0.57	64,179					-	< .001						-	-74.09	
unspecified	0.41	0.60	663,593						-							-	

Table : Mean sentiments and test statistics for years and organism classes. On the left, the table shows the mean sentiment (Sent) for each year and organism class based on the sentiments of the individual tweets. Further, the standard deviation (SD) and number (Count) of tweets for each group are reported. On the right, the p-values or the significance level if significant ($\alpha = 0.001$) and the t-values from Welch's t-test among the years and organism class means are shown. A value refers to the comparison between the classes given by its row and column labels. For example, the p-value for Welch's t-test for the difference between the mean of the bacteria class and the plants class is 0.038.