



## Digital supplementary material to

QUEIROZ, A.C.M., WILKER, I., LASMAR, C.J., MOUSINHO, E., RIBAS, C.R. & VAN DEN BERG, E. 2021: No matter where you are, ants (Hymenoptera: Formicidae) get attention when it is warm. – Myrmecological News 31: 71-83.

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Fig. S1) Relative interest in the term “Ants” in Canada, USA, Germany, Italy, Spain, Russia, UK, France, Japan, and Portugal from January 2007 to December 2019 (A).

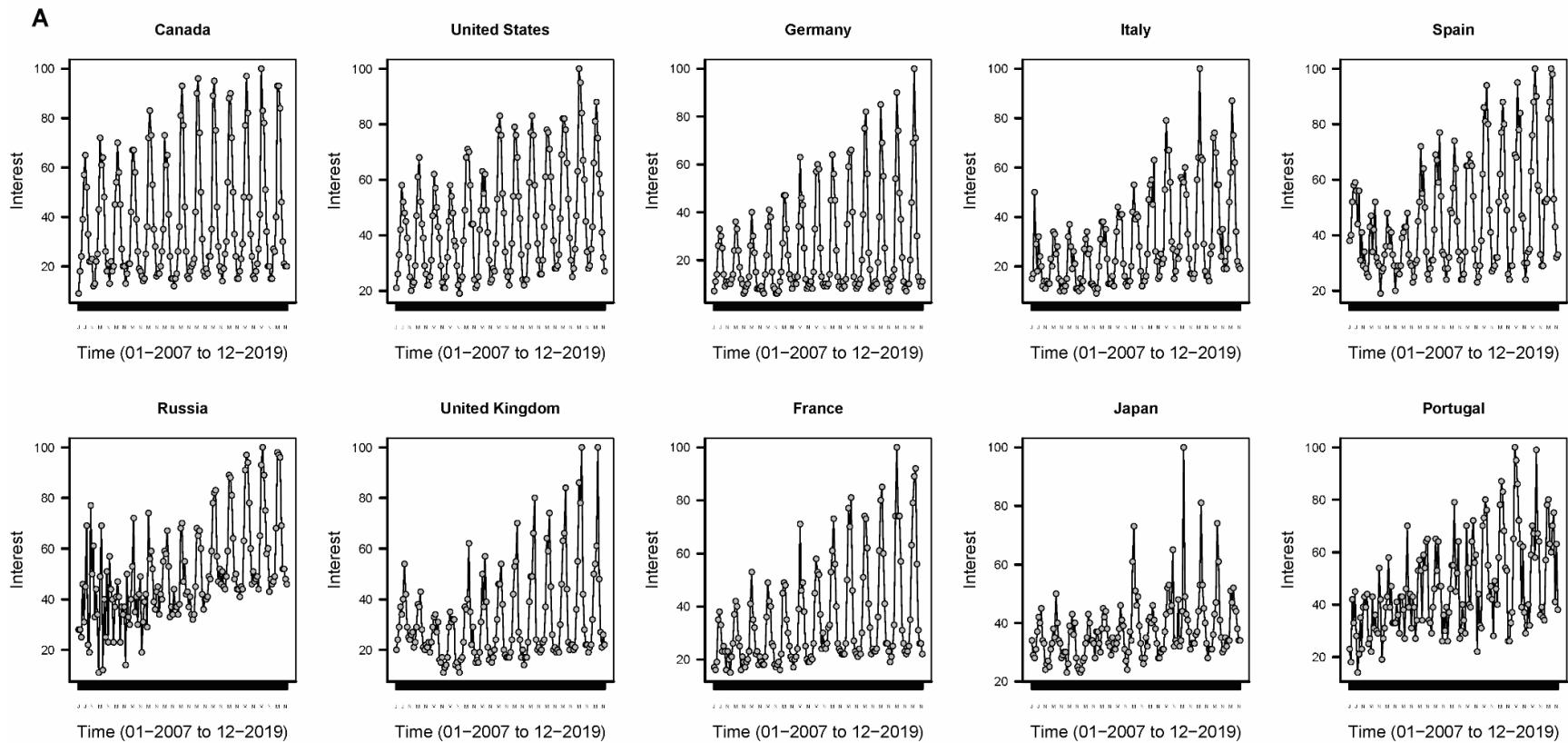
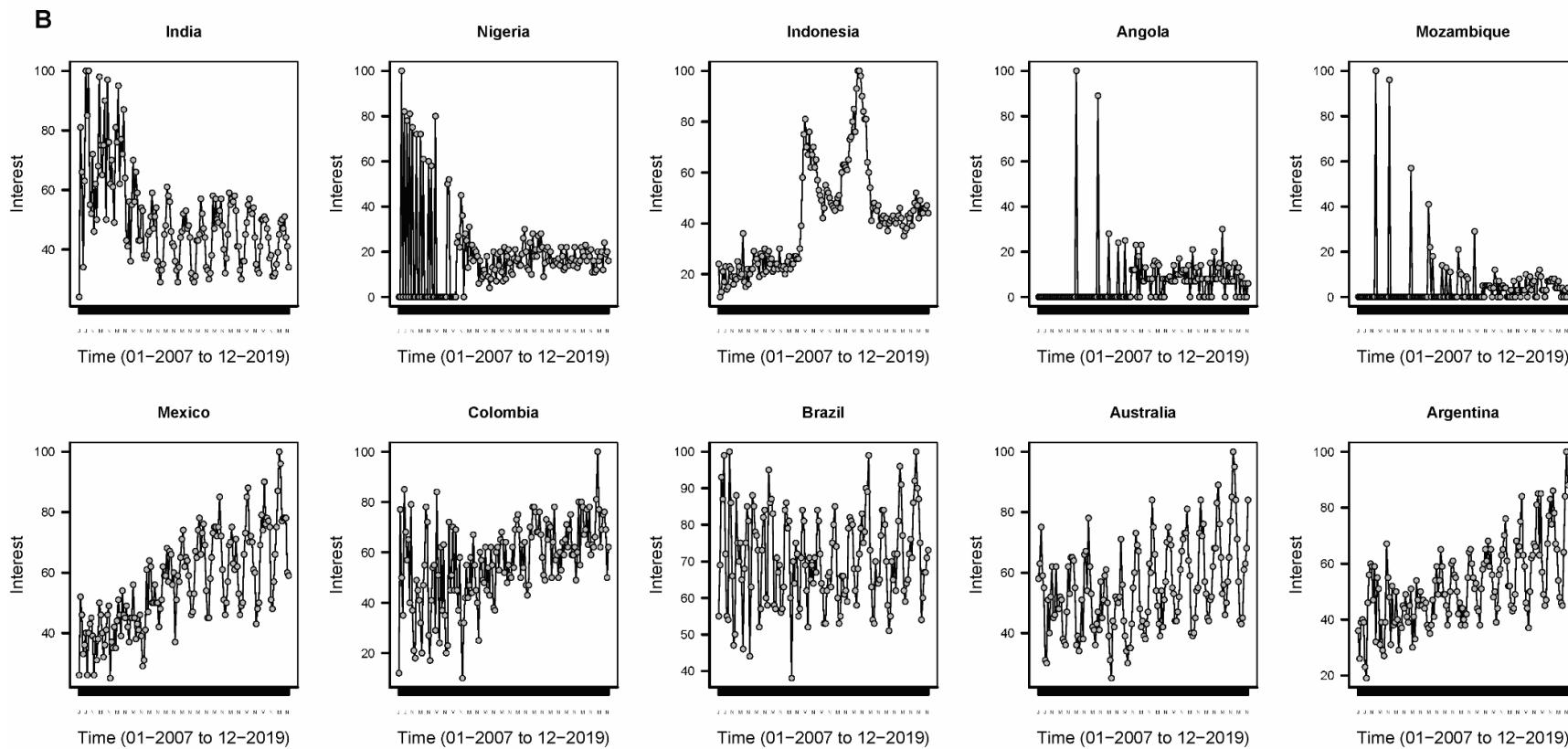


Fig. S1) Relative interest in the term “Ants” in India, Nigeria, Indonesia, Angola, Mozambique, Mexico, Colombia, Brazil, Australia, and Argentina from January 2007 to December 2019 (B).



Tab. S1) Spearman correlation matrix representing the correlations among relative interest in countries organized by location on the globe along 13 years. Numbers above X represent  $p$  values (lines), numbers below X represent correlation values (columns). ( - ) alone are the representation of very low numbers with significant values ( $p < 0.0001$ ).

X	CAN	RUS	USA	GBR	DEU	FRA	ITA	JPN	ESP	PRT	IND	MEX	NGA	COL	IDN	BRA	AGO	AUS	MOZ	ARG
CAN	X	-	-	-	-	-	-	-	0.000	0.000	0.000	0.968	0.000	0.611	0.002	0.253	0.000	0.694	0.000	
RUS	0.700	X	-	-	-	-	-	0.000	-	0.000	0.631	-	0.404	0.000	0.003	0.013	0.221	0.011	0.457	0.658
USA	0.930	0.743	X	-	-	-	-	-	-	-	0.006	-	0.807	0.000	0.089	0.031	0.081	0.000	0.656	0.000
GBR	0.830	0.742	0.859	X	-	-	-	-	-	0.000	0.010	0.000	0.688	0.000	0.166	0.001	0.571	0.000	0.501	0.000
DEU	0.920	0.768	0.907	0.854	X	-	-	-	-	-	0.073	0.000	0.734	0.000	0.073	0.048	0.103	0.000	0.787	0.000
FRA	0.873	0.778	0.904	0.865	0.955	X	-	0.000	-	-	0.292	-	0.621	0.000	0.008	0.158	0.024	0.000	0.764	0.012
ITA	0.805	0.777	0.874	0.820	0.863	0.909	X	-	-	-	0.271	-	0.976	0.000	0.000	0.086	0.129	0.000	0.700	0.026
JPN	0.637	0.578	0.680	0.642	0.603	0.588	0.612	X	-	0.000	0.099	0.000	0.500	0.000	0.015	0.000	0.387	0.000	0.393	0.004
ESP	0.784	0.721	0.864	0.842	0.788	0.831	0.884	0.674	X	-	0.050	-	0.840	0.000	0.008	0.002	0.346	0.000	0.399	0.001
PRT	0.531	0.589	0.657	0.545	0.614	0.669	0.691	0.511	0.689	X	0.451	-	0.865	0.000	0.001	0.164	0.294	0.004	0.635	0.800
IND	0.305	-0.039	0.218	0.206	0.144	0.085	0.089	0.133	0.157	-0.061	X	0.012	0.169	0.680	0.000	0.100	0.088	0.000	0.429	0.000
MEX	0.484	0.636	0.664	0.519	0.581	0.663	0.707	0.516	0.674	0.654	-0.200	X	0.210	0.000	0.000	0.604	0.090	0.742	0.410	0.011
NGA	0.003	-0.067	-0.020	0.032	-0.027	-0.040	-0.002	-0.054	-0.016	-0.014	0.111	-0.101	X	0.344	0.221	0.042	0.372	0.370	0.440	0.189
COL	0.312	0.389	0.450	0.355	0.354	0.421	0.458	0.348	0.466	0.348	-0.033	0.587	-0.076	X	0.000	0.000	0.012	0.192	0.434	0.013
IDN	0.041	0.234	0.137	0.112	0.144	0.212	0.278	0.195	0.212	0.261	-0.382	0.523	-0.099	0.331	X	0.508	0.033	0.053	0.447	0.000
BRA	-0.252	-0.198	-0.172	-0.258	-0.159	-0.114	-0.138	-0.303	-0.246	-0.112	-0.132	0.042	0.163	0.280	0.053	X	0.681	0.000	0.476	0.000
AGO	0.092	0.098	0.140	0.046	0.131	0.180	0.122	0.070	0.076	0.084	-0.137	0.136	-0.072	0.200	0.171	0.033	X	0.851	0.971	0.143
AUS	-0.517	-0.202	-0.459	-0.398	-0.389	-0.314	-0.292	-0.389	-0.429	-0.227	-0.516	-0.027	0.072	0.105	0.155	0.530	0.015	X	0.640	-
MOZ	-0.032	0.060	-0.036	-0.054	-0.022	-0.024	-0.031	-0.069	-0.068	0.038	-0.064	-0.066	0.062	-0.063	-0.061	0.058	0.003	0.038	X	0.623
ARG	-0.441	-0.036	-0.307	-0.303	-0.299	-0.200	-0.179	-0.229	-0.269	0.020	-0.511	0.203	-0.106	0.198	0.334	0.304	0.118	0.668	-0.040	X

Tab. S2) Correlations between mean relative interest and internet access and between mean relative interest and time (years) correlation residuals through 2017. The value of significance ( $p$ ), F test (F), R2 adjusted (R2), and Main Factor linked to an increase or decrease in mean relative interest over the years (Trends in Table 2). See the figures on the next page. Bold values represent significant results ( $p < 0.05$ ) and italic values represent not significant results ( $p > 0.05$ ).

Country	Code	Internet Access			Time (years) residuals			Main Factor
		<i>p</i>	F	R <sup>2</sup>	<i>p</i>	F	R <sup>2</sup>	
Australia	AUS	<b>0.023</b>	<b>7.489</b>	<b>0.393</b>	0.736	0.121	-0.096	Access
Canada	CAN	<b>0.001</b>	<b>40.302</b>	<b>0.797</b>	0.972	0.001	-0.111	Access
India	IND	<b>0.011</b>	<b>10.074</b>	<b>0.470</b>	0.825	0.052	-0.104	Access
Nigeria	NGA							<i>No relation</i>
Utd. Kingdom	GBR	0.147	2.515	0.131				Time (Years)
Utd. States	USA	<b>0.047</b>	<b>5.317</b>	<b>0.302</b>	<b>0.025</b>	<b>7.167</b>	<b>0.381</b>	Time (Years) + Access
France	FRA	<b>0.007</b>	<b>11.852</b>	<b>0.520</b>	0.059	4.679	0.269	Access
Germany	DEU	<b>0.001</b>	<b>20.955</b>	<b>0.666</b>	0.201	1.901	0.082	Access
Indonesia	IDN	0.053	4.979	0.285				Time (Years)
Italy	ITA	<b>0.005</b>	<b>13.579</b>	<b>0.557</b>	0.334	1.040	0.004	Access
Japan	JAP	<b>0.001</b>	<b>33.663</b>	<b>0.766</b>	0.991	0.001	-0.111	Access
Angola	AGO	0.076	4.018	0.242				Time (Years)
Brazil	BRA							<i>No relation</i>
Mozambique	MOZ							<i>No relation</i>
Portugal	PRT	<b>0.001</b>	<b>107.920</b>	<b>0.934</b>	0.888	0.021	-0.109	Access
Russia	RUS	<b>0.001</b>	<b>20.660</b>	<b>0.663</b>	0.559	0.367	-0.068	Access
Argentina	ARG	<b>0.001</b>	<b>48.558</b>	<b>0.826</b>	0.746	0.111	-0.098	Access
Colombia	COL	<b>0.002</b>	<b>17.798</b>	<b>0.627</b>	0.843	0.042	-0.106	Access
Mexico	MEX	<b>0.001</b>	<b>47.945</b>	<b>0.824</b>	0.800	0.068	-0.103	Access
Spain	ESP	<b>0.006</b>	<b>12.418</b>	<b>0.533</b>	0.880	0.024	-0.108	Access

Fig. S2) These Word clouds were made with the Top Related Topics used in Cluster analysis for each of the four groups (Figure 6). (A) Anglophone countries (B) Latin countries in Europe and Latin America that speak Portuguese and Spanish (C) Lusophone countries in Africa and two Asian countries (D) other European countries. (Made with <https://www.wordclouds.com/>)

