

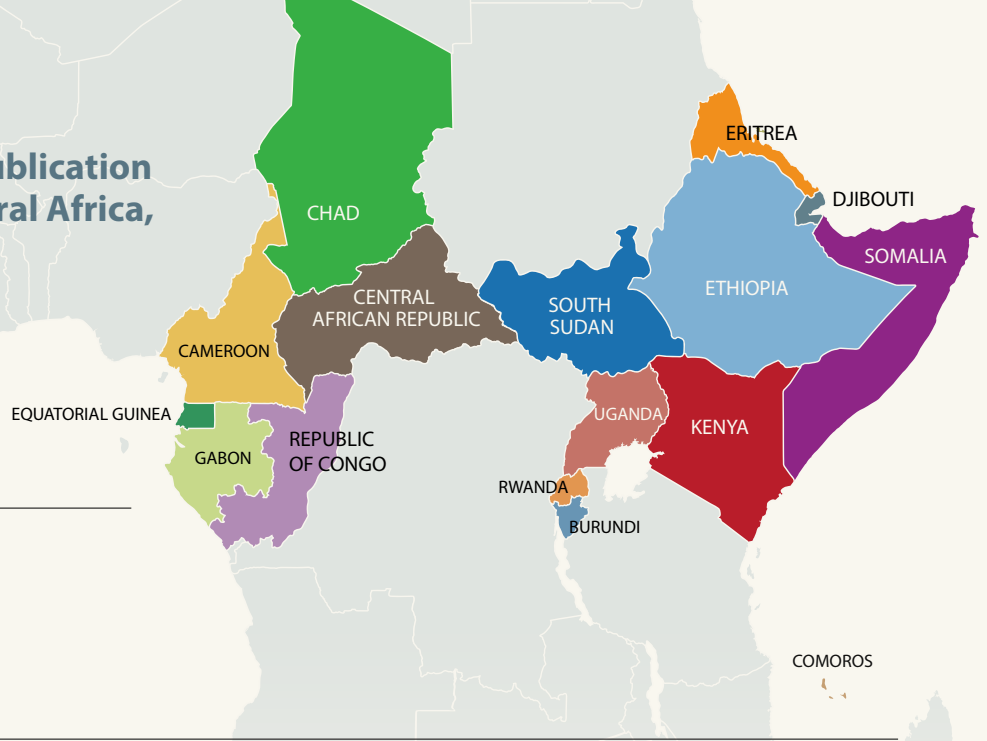
Figure 19.8: Scientific publication trends in East and Central Africa, 2005–2014

11.3%

Share of Kenyan papers among 10% most cited, 2008–2012; the G20 average is 10.2%

6.3%

Share of Ethiopian papers among 10% most cited, 2008–2012; the G20 average is 10.2%

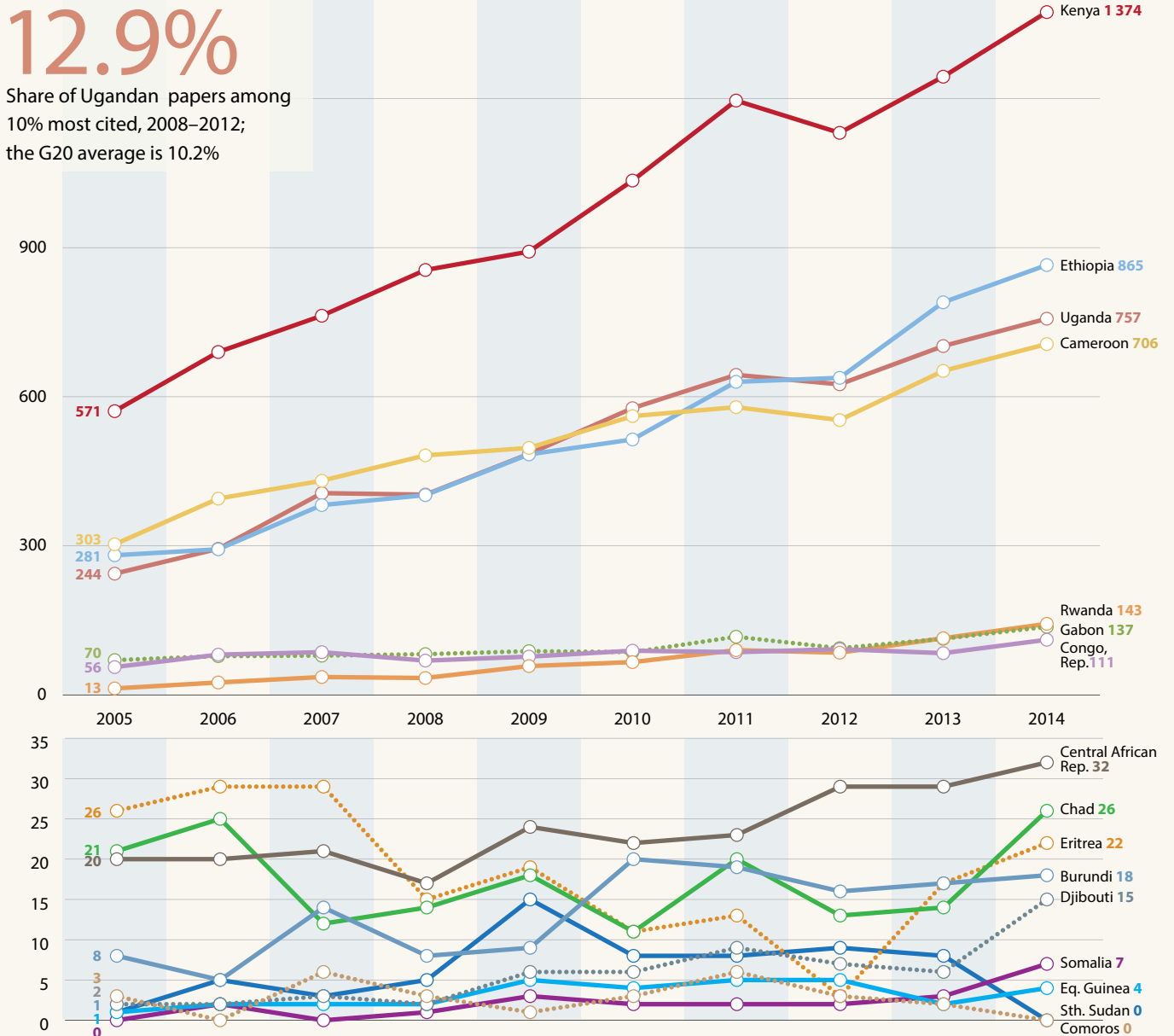


Kenya, Ethiopia, Uganda and Cameroon produce the most publications

1 500

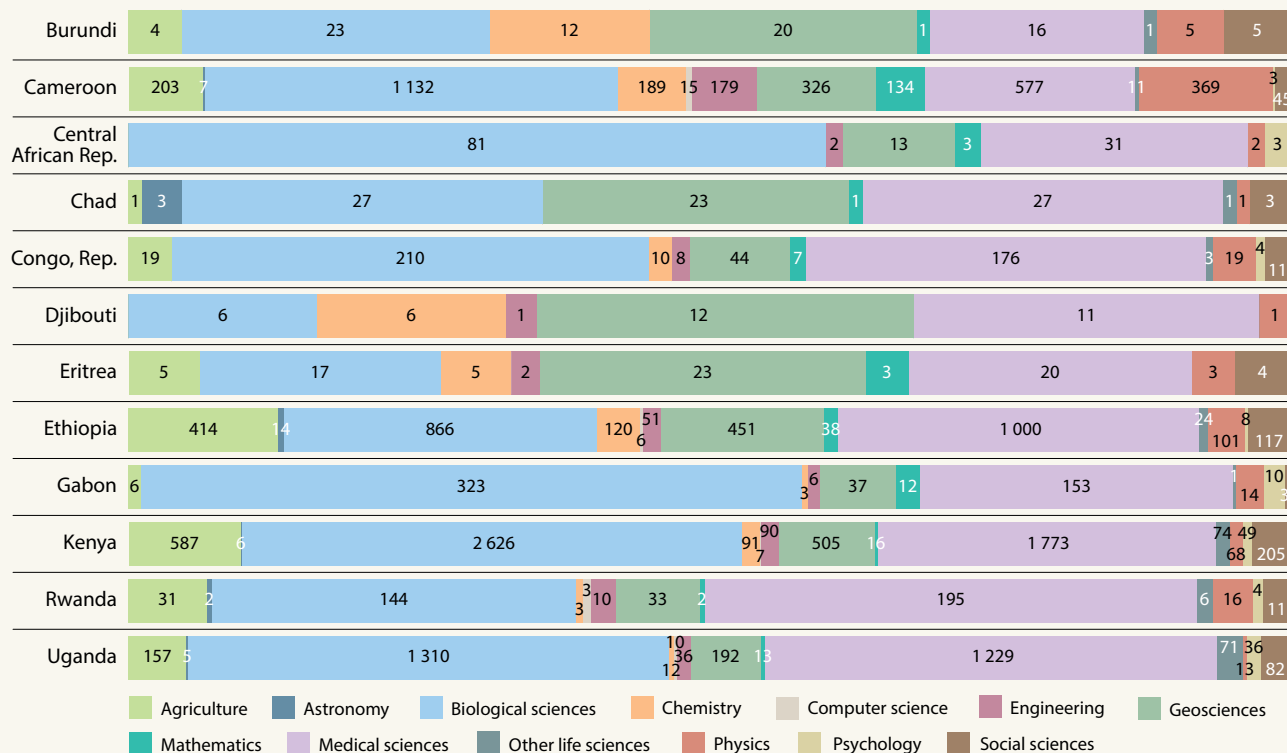
12.9%

Share of Ugandan papers among 10% most cited, 2008–2012; the G20 average is 10.2%



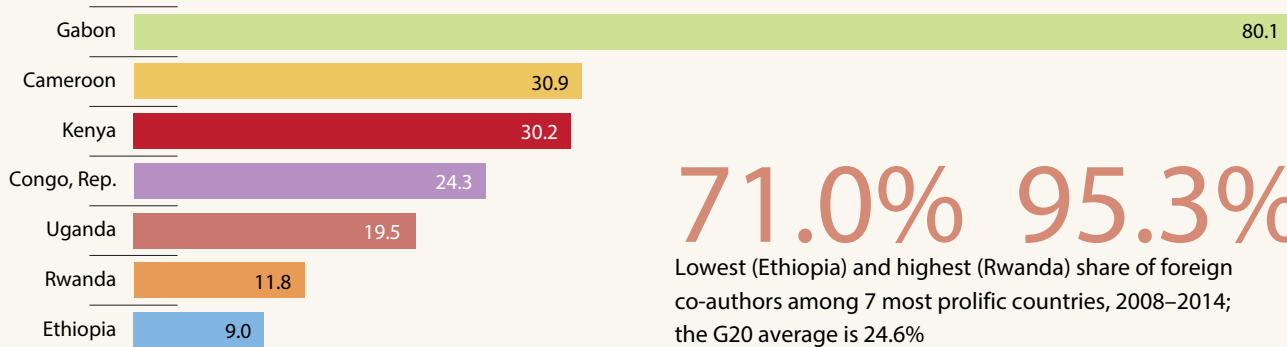
Life sciences dominate research in Central and East Africa

Cumulative totals by field for countries which recorded 15 articles or more in the Web of Science in 2014



Gabon was the most productive in 2014

Articles per million inhabitants for the most productive countries



71.0% 95.3%

Lowest (Ethiopia) and highest (Rwanda) share of foreign co-authors among 7 most prolific countries, 2008–2014; the G20 average is 24.6%

Scientists co-author most with partners outside Africa, some also with Kenya and South Africa

Main foreign partners of the 12 countries with the most publications, 2008–2014 (number of papers)

	1st collaborator	2nd collaborator	3rd collaborator	4th collaborator	5th collaborator
Burundi	Belgium (38)	China (32)	USA (18)	Kenya (16)	UK (13)
Cameroon	France (1 153)	USA (528)	Germany (429)	South Africa (340)	UK (339)
Cent. African Rep.	France (103)	USA (32)	Cameroon (30)	Gabon (29)	Senegal (23)
Chad	France (66)	Switzerland (28)	Cameroon (20)	UK/USA (14)	
Congo, Rep.	France (191)	USA (152)	Belgium (132)	UK (75)	Switzerland (68)
Djibouti	France (31)	USA/UK (6)	Canada (5)	Spain (4)	
Eritrea	USA (24)	India (20)	Italy (18)	Netherlands (13)	UK (11)
Ethiopia	USA (776)	UK (538)	Germany (314)	India (306)	Belgium (280)
Gabon	France (334)	Germany (231)	USA (142)	UK (113)	Netherlands (98)
Kenya	USA (2 856)	UK (1 821)	South Africa (750)	Germany (665)	Netherlands (540)
Rwanda	USA (244)	Belgium (107)	Netherlands (86)	Kenya (83)	UK (82)
Uganda	USA (1 709)	UK (1 031)	Kenya (477)	South Africa (409)	Sweden (311)

Source: Thomson Reuters' Web of Science, Science Citation Index Expanded; data treatment by Science-Metrix