



São Paulo, Brazil

São Paulo is the only cluster within Brazil that falls within the top 100 S&T clusters in 2023. It filed **42 PCT applications** and published **1,406 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

72nd largest science and technology cluster in 2023 (down two spots from 2022)

98th S&T cluster by intensity (relative to population density) in 2023 (unchanged from 2022)

Top PCT applicants

		Patents	Share
1	Braskem	60	8%
2	Natura Cosméticos	34	4%
3	Dow Global Technologies	20	3%

Top publishing organizations

		Articles	Share
1	Universidade de São Paulo	13,064	51%
2	Universidade Federal de São Paulo (Unifesp)	2,966	12%
3	Universidade Estadual Paulista	1,172	5%

Top technology fields in São Paulo

Patents



Medical tech. (10%)	Basic materials chemistry (6%)
Organic fine chem. (10%)	Pharma (6%)
Other machines (8%)	Handling (5%)
Molecular chem. (6%)	

Publications



Surgery (7%)	Clinical medicine (6%)
Applied biology (7%)	Physics & math (6%)
Chemistry (7%)	Biochem. & biotech. (6%)
Technology (6%)	

23% of São Paulo's PCT patent applications are filed in collaboration with other inventors, with **Rio De Janeiro**, **Porto Alegre** and **New York City** emerging as the top collaborative locations.

45% of São Paulo's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **Rio De Janeiro**, **New York City** and **Boston–Cambridge**.