



## Istanbul, Turkey

Istanbul is the top-ranked cluster, out of 2 Turkish clusters, that falls within the top 100 S&T clusters in 2023. It filed **169 PCT applications** and published **2,066 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

**59<sup>th</sup>** largest science and technology cluster in 2023 (down twelve spots from 2022)

**95<sup>th</sup>** S&T cluster by intensity (relative to population density) in 2023 (unchanged from 2022)

### Top PCT applicants

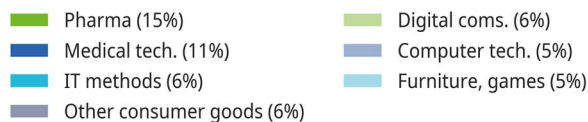
		Patents	Share
1	Sanovel Ilac Sanayi Ve Ticaret A.S.	116	5%
2	Arcelik	109	5%
3	Turkcell Teknoloji Arastirma & Gelistirme Anonim Sirketi	95	4%

### Top publishing organizations

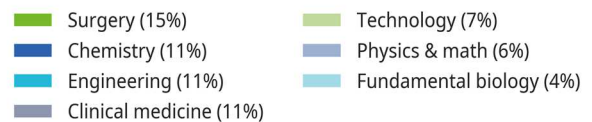
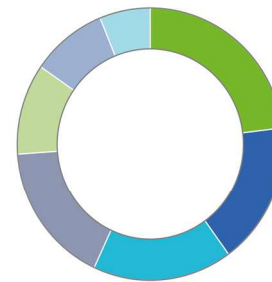
		Articles	Share
1	Istanbul University	2,736	10%
2	Istanbul Technical University	2,397	9%
3	Yildiz Technical University	2,267	9%

## Top technology fields in Istanbul

Patents



Publications



**5%** of Istanbul's PCT patent applications are filed in collaboration with other inventors, with **Ankara, Tokyo-Yokohama** and **Munich** emerging as the top collaborative locations.

**31%** of Istanbul's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **Ankara, London** and **Boston-Cambridge**.