Mumbai, India

Mumbai is the fourth-ranked cluster, out of 4 Indian clusters, that falls within the top 100 S&T clusters in 2023. It filed 76 PCT applications and published 767 scientific articles, both per 1 million inhabitants over the last five years, making it the:

84th largest science and technology cluster in 2023 (unchanged from 2022)

100th S&T cluster by intensity (relative to population density) in 2023 (unchanged from 2022)

Top PCT applicants

		Patents	Share
1	Sharma, Pratik	220	14%
2	Upl Limited	67	4%
3	Cipla Limited	39	2%

Top publishing organizations

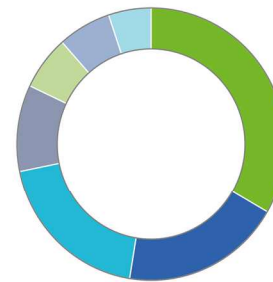|		Articles	Share
1	Indian Institute of Technology (Iit) - Bombay	5,174	32%
2	Bhabha Atomic Research Center	1,667	10%
3	Institute of Chemical Technology - Mumbai	1,436	9%

Top technology fields in Mumbai

Patents

- Computer tech. (14%)
- Pharma (12%)
- Organic fine chem. (12%)
- Basic materials chemistry (10%)
- Medical tech. (5%)
- IT methods (5%)
- Digital coms. (5%)

Publications

- Chemistry (26%)
- Engineering (15%)
- Physics & math (15%)
- Technology (8%)
- Earth sciences (5%)
- Biochem. & biotech. (5%)
- Clinical medicine (4%)

34% of Mumbai's PCT patent applications are filed in collaboration with other inventors, with Bengaluru, Heidelberg–Mannheim and Pune emerging as the top collaborative locations.

42% of Mumbai's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being Delhi, Kolkata and Pune.