Global Innovation Index 2023

Chennai, India

Chennai is the third-ranked cluster, out of 4 Indian clusters, that falls within the top 100 S&T clusters in 2023. It filed 106 PCT applications and published 1,812 scientific articles, both per 1 million inhabitants over the last five years, making it the:

83rd largest science and technology cluster in 2023 (up five spots from 2022)

97th S&T cluster by intensity (relative to population density) in 2023 (unchanged from 2022)
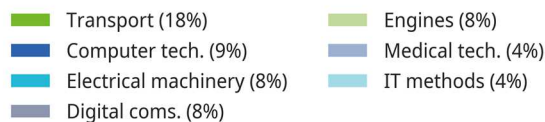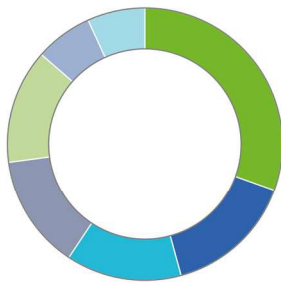
Top PCT applicants

		Patents	Share
1	Tvs Motor Company Limited	347	31%
2	Indian Institute of Technology	131	12%
3	Lm Ericsson	63	6%

Top publishing organizations

		Articles	Share
1	Indian Institute of Technology (Iit) - Madras	5,290	27%
2	Anna University Chennai	2,449	13%
3	University of Madras	895	5%

Top technology fields in Chennai

Patents

- Transport (18%)
- Computer tech. (9%)
- Electrical machinery (8%)
- Digital coms. (8%)
- Engines (8%)
- Medical tech. (4%)
- IT methods (4%)

Publications

- Chemistry (24%)
- Engineering (23%)
- Technology (13%)
- Physics & math (12%)
- Earth sciences (6%)
- Biochem. & biotech. (4%)
- Surgery (2%)
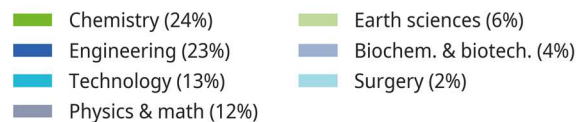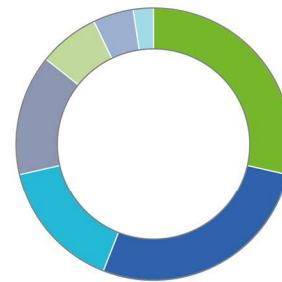
29% of Chennai's PCT patent applications are filed in collaboration with other inventors, with Bengaluru, Tokyo–Yokohama and San Jose–San Francisco emerging as the top collaborative locations.

34% of Chennai's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being Bengaluru, Delhi and Mumbai.