

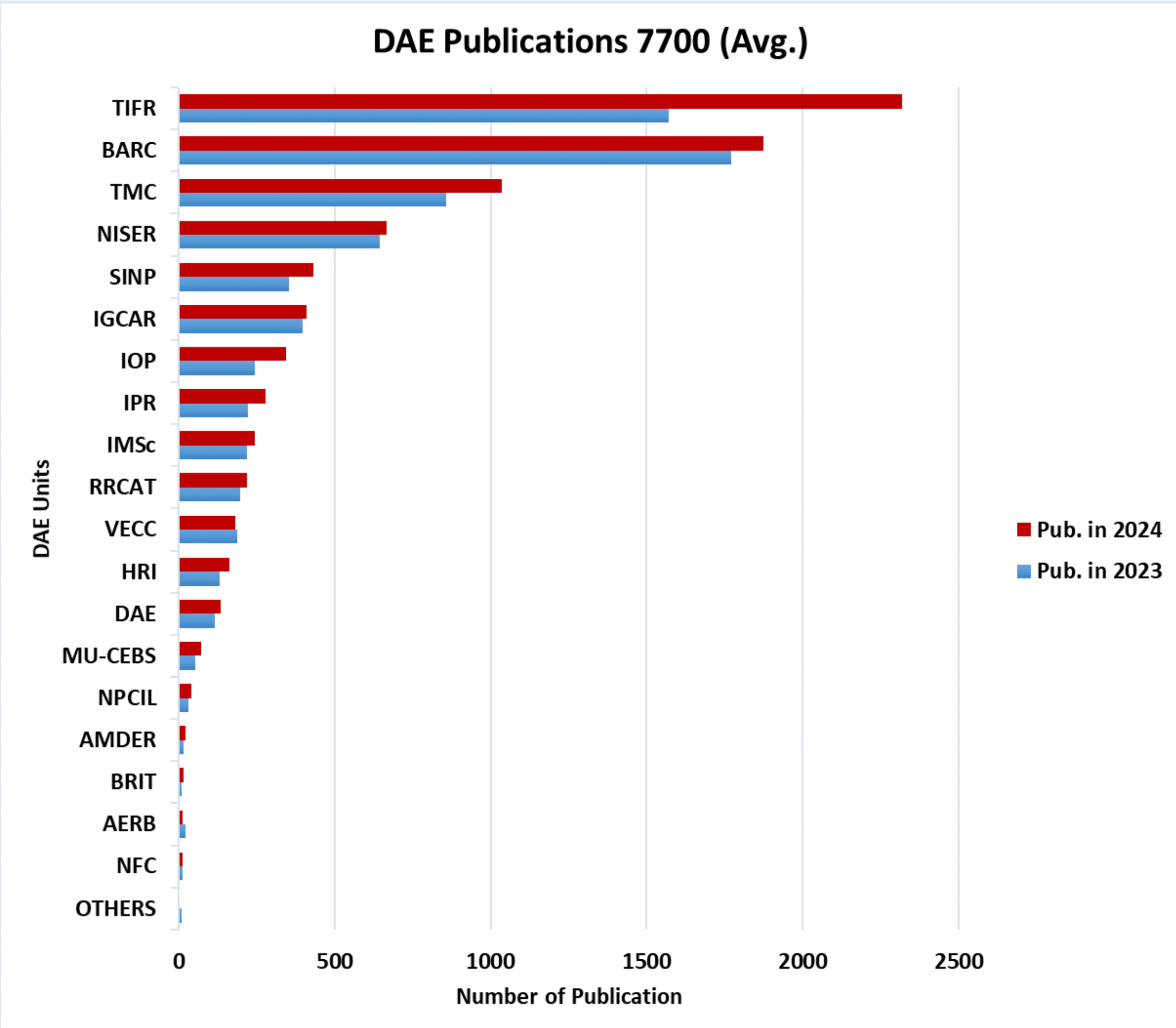
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Revolutionizing Open Access Research

About the Department of Atomic Energy (DAE)

- The Department of Atomic Energy (DAE) was established on August 3, 1954, under the Prime Minister's supervision through a Presidential Order. The Atomic Energy Commission formulates policies for the DAE, which covers both power and non-power applications of atomic energy.
- The DAE comprises numerous research and development establishments, including prominent national laboratories such as BARC, IGCAR, and TIFR. Approximately six thousand engineers and scientists work at BARC in Trombay.
- The DAE is responsible for advancing nuclear power technology, including uranium exploration, fuel fabrication, heavy water production, and nuclear waste management. It also conducts research in fast reactors, fusion technologies, and non-power applications in healthcare, agriculture, industry, and the environment.
- Research for peaceful uses of atomic energy has progressed rapidly.



One DAE One Subscription (ODOS)

The DAE consistently leads the way in adopting new services and technologies. Being early adopters benefits the community by introducing innovative solutions and setting a precedent for others to follow. DAE was one of the first organizations in India to establish consortiums, including the DAE-Elsevier Science Direct Consortium, formed in 2002. The requirement for access to read as well as publishing of journals is pretty large in each unit. Until now this was being handled individually by each library.

The One DAE One Subscription (ODOS) initiative, envisioned by the Secretary of DAE, has united DAE and its approximately 60 units and subunits under a single umbrella for read and publish access to national and international research papers in scientific journals. This initiative facilitates digital resource sharing and collective growth.

DAE has signed two consortium agreements, one with Wiley India and another with Springer Nature Group. The Wiley agreement grants the entire DAE community access to 1,353 journals, including archives from 1997, with perpetual rights for 2024. This expands previous access from 166 journals and covers Article Processing Charges (APC) for 81 open-access publications.

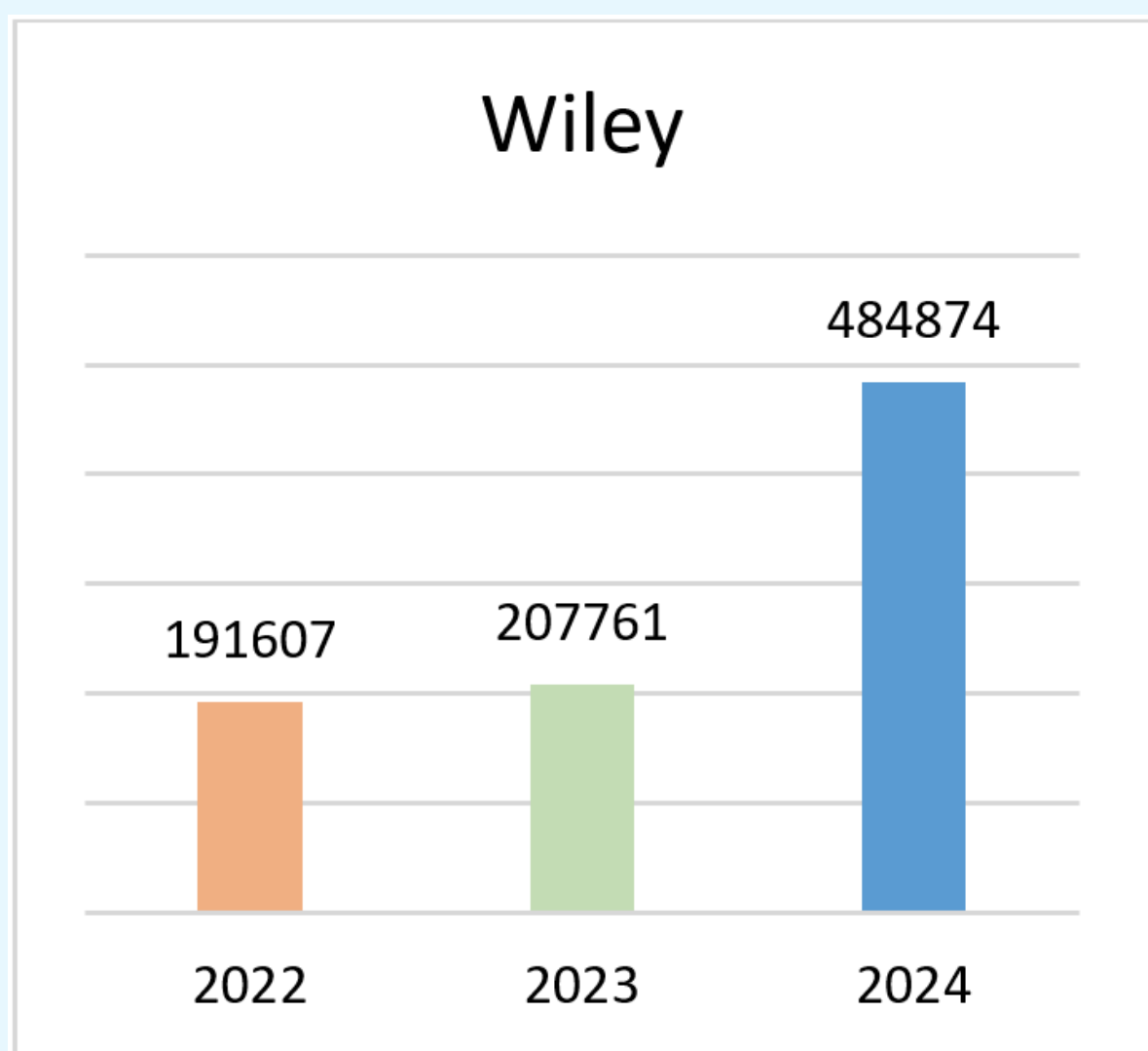
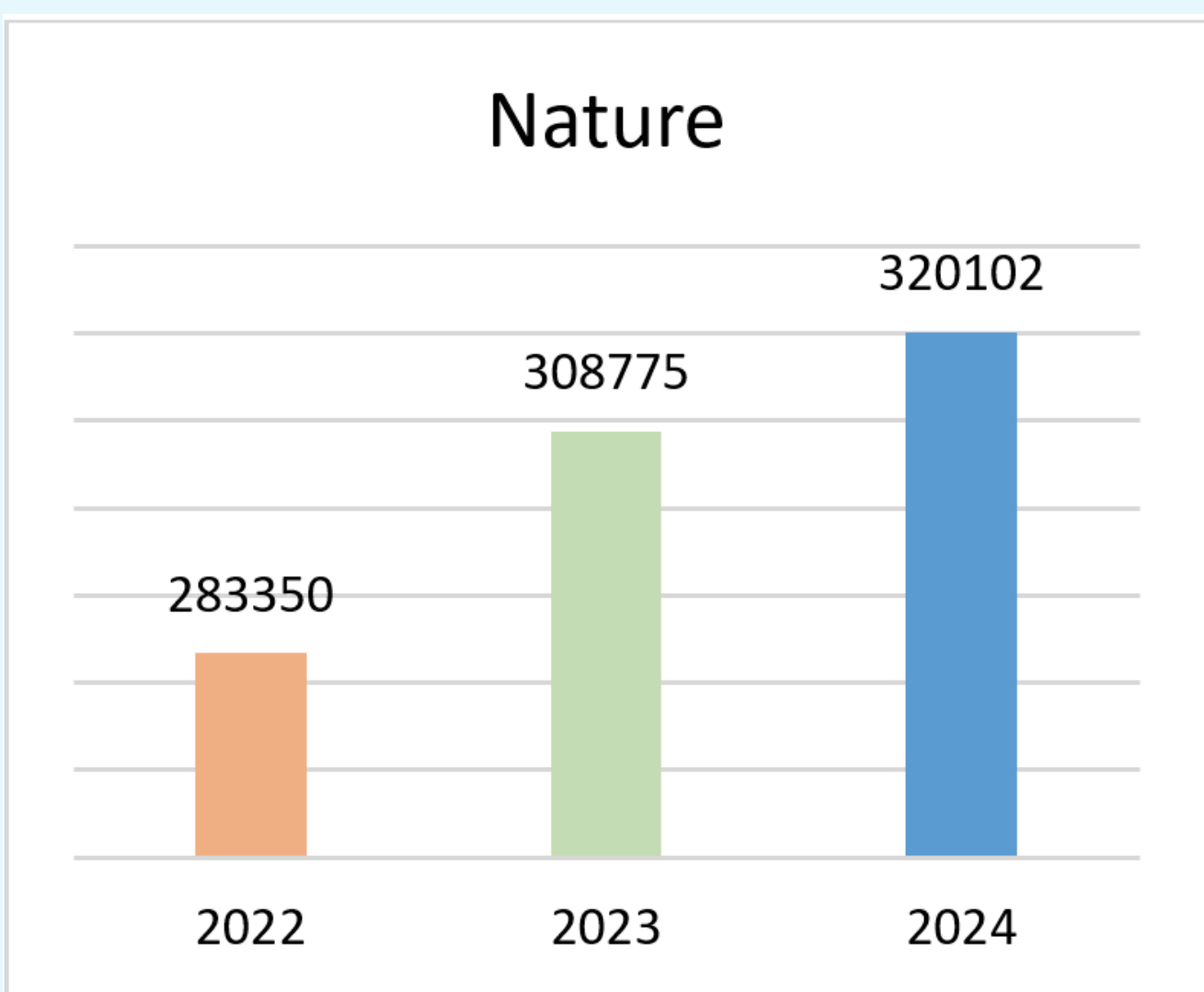
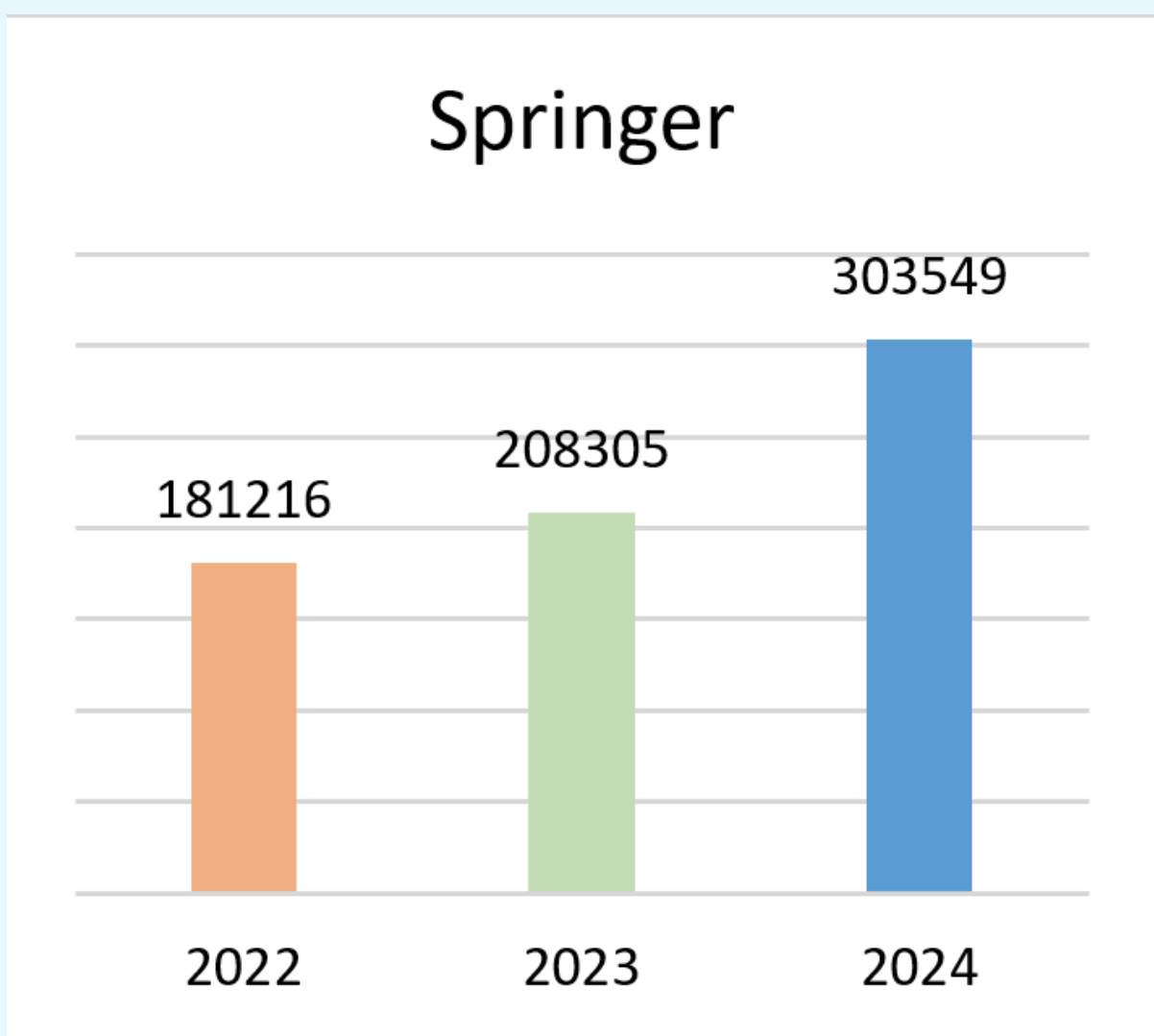
The Springer Nature agreement provides access to approximately 2,686 titles, including 553 Fully Open Access journals. This is an increase from 1,752 journals previously available to select units. DAE also gains perpetual rights for 2024 and can publish 281 articles in Springer Hybrid journals as open access without paying APC.

Success Metrics

ODOS has initiated Transformative Agreements (TA) to enhance open access to research. The key objectives of these initiatives are:

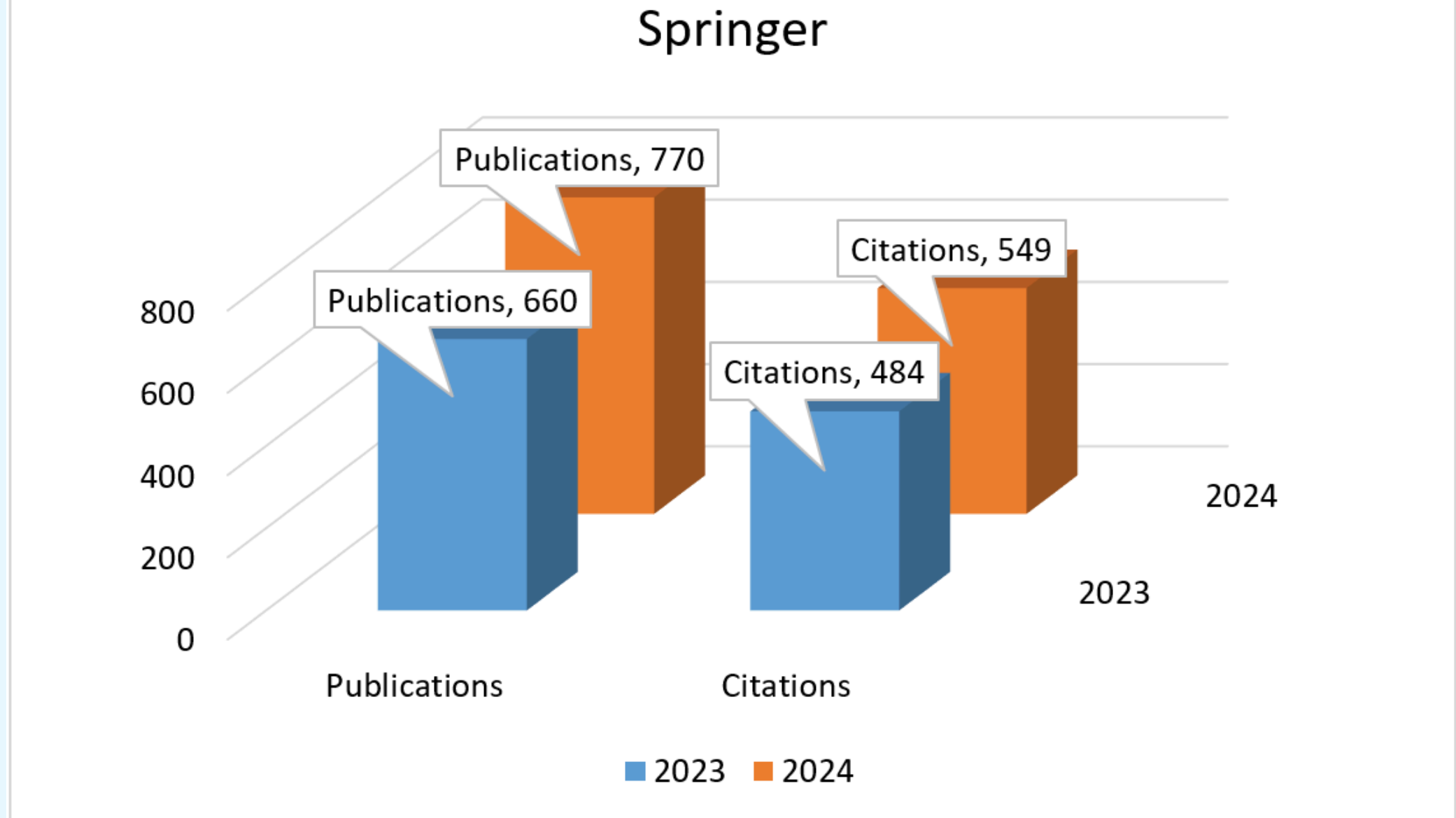
- To expand content coverage & its usage
- To increase the number of beneficiaries
- To analyze the costs and benefits associated with open-access publishing

It is essential to acknowledge that the attainment of these goals will necessitate a considerable amount of time. Presently, It is in the initial stages of this process, making it premature to accurately measure success. Furthermore, ODOS is encountering a steep learning curve on this transformative journey.



The observed increase in usage statistics indicates a rise in access to resources, which can be attributed to the expansion of content coverage and the provision of access to all units. Furthermore, there has been a notable rise in publications and citations from these two publishers, especially as a significant portion of articles is now published as open access.

There was an urgent need for centralized procurement to address the diverse requirements of a large population, irrespective of the size of individual units. ODOS model has successfully minimized the issue of duplicate subscriptions. Furthermore, It is making strides in DAE's vision for Open Access Publishing, which enhances the accessibility of research findings.



The One DAE One Subscription (ODOS) initiative is expected to offer significant benefits by saving public funds, providing comprehensive access for all, and promoting an increase in open-access publishing. The ODOS Transformative Agreements (TA) signed with Wiley India Private Limited and Springer Nature Group mark a significant milestone for the DAE scientific community. These agreements aim to foster sustainable growth in science and technology, boost scientific morale, encourage innovation, and improve research publications.