IIA Library - Beyond Books & Journals Christina Birdie, P.Prabahar and B.S. Mohan

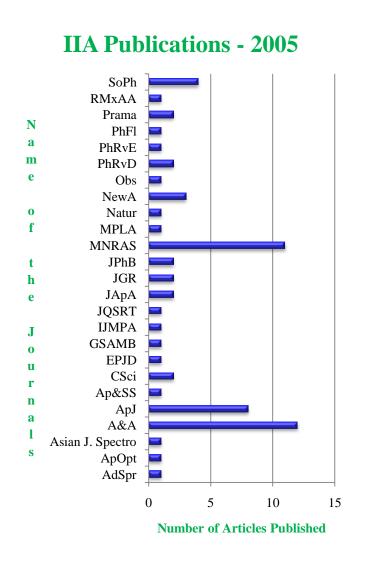
Measuring Science

IIA Library provides the service of Bibliometric and Scientometric studies using the publication of IIA Scientists.

Publication patterns

Studies of publication patterns, also known as bibliometric or quantitative studies are useful indicators of scientific productivity, trends, emphasis of research in various disciplines, and of researchers' preferences for publication outputs. Results of such studies may be very useful in decision making in research administration and planning, in collection development and use in libraries. These results further enable policy makers in different organizations and funding agencies to evaluate their decisions on the awarding of grants to individuals and institutions and also towards planning of the future projects. The publication pattern of IIA academic and research scientists for a period of five years, 2005 - 09 is given below. The subject fields includes

astronomy, astrophysics, geophysics, theoretical physics and optics. (Data from Web of Science)



IIA Publications - 2008

Number of Articles Published

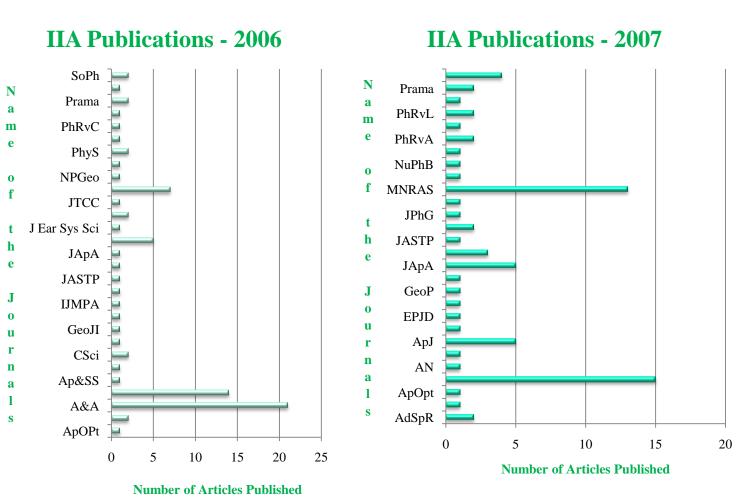
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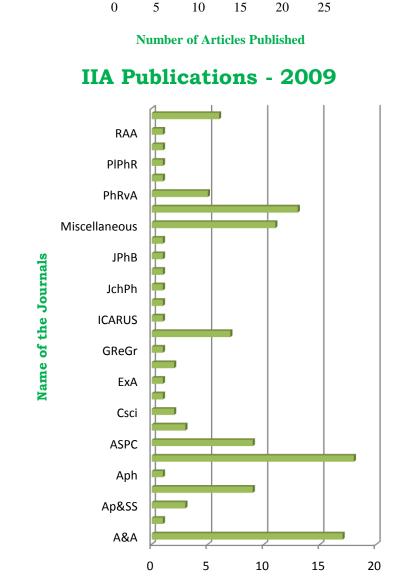
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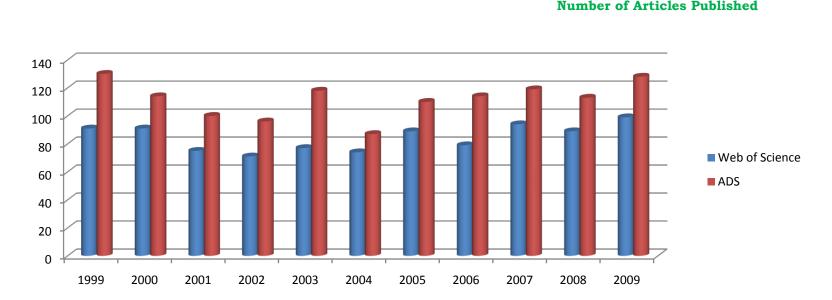
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MNRAS JQSRT 🔼







The graph depicts the list of publications of IIA for the year 1999-2009 according to Web of Science and ADS.

International Conference

The 6th LISA(Library and Information Services in Astronomy) was organized by FORSA(Forum for Resource Sharing in Astronomy and Astrophysics) libraries and hosted by IUCAA & NCRA jointly at IUCAA, Pune between February 14 - 17, 2010.

The conference was well attended by 102 librarians working in astronomy libraries representing 18 countries.

- IIA library staff participated in this international event and presented papers.
- 1. Managing the contents of Indian Institute of Astrophysics (IIA) Archives - Copyright Issues, Christina Birdie and A. Vagiswari (Contributed paper)
- 2. Migrating from Informal to Formal Consortium "COSTLI" issues, Christina Birdie, Y.M. Patil (Poster Presentation)

Managing the contents of Indian Institute of Astrophysics (IIA) Archives Copyright Issues Christina Birdie and A. Vagiswari Indian Institute of Astrophysics, Bangalore chris@iiap.res.in & vagiiap@iiap.res.in Abstract:

Archives and museums all over the world face challenges in facilitating the access to their contents and also protecting the rights of the author, more so, in the case of unpublished works. At the Indian Institute of Astrophysics (IIA), the archive was set up two years back comprising of all the archival material in various forms available within the Institute. Since IIA is more than 220 years old the collection includes more than 5000 items in various formats which are of historical importance and environmentally sensitive.

While the contents of many of the archival materials are available in digital form, and accessible from our open access repository, still there are some contents which are not digitized as we feel they need to be scrutinized for copyright compliance. Also there are issues concerning the use of contents in physical form available in the archives, such as fair use, transfer of ownership, ownership rights, exclusive rights and especially the copyright provisions for published and unpublished works etc. need to be addressed keeping in mind the existing archival policy. Since we intend that the IIA archival material will be used purely for academic and research purposes, we are in the process of designing our own guidelines as the Indian Copyright Act is inadequate to address these issues.

In this paper we have discussed some of the challenges faced by the IIA archives with reference to the use of both physical and digital contents and the attempts made to keep the balance of providing access and not infringing the copyright laws.

The society of American Archivists, Glossary defines the term Archives as The documents created or received and accumulated by a person or organization in the course of the conduct of affairs, and preserved because of their continuing value. Historically, the term referred more narrowly to the noncurrent records of an organization or institution preserved because of their continuing value (Bellardo 1992). For the purpose of creating and maintaining the Archives at IIA, we have defined it as a collection of documents, manuscripts, correspondence datasheets, instruments, photographs, artworks, audio-visual materials belonging to the Madras and Kodaikanal observatories during the 18th, 19th and 20th century. The ownership of most of the items lies with the institute since the contents were created by our own past directors and scientists and also the facilities belong to the institute which were utilized to create these contents. The contents created in the personal capacity (e.g. any drawings, paintings or personal letters) are segregated and permission is solicited from the living relatives of those individuals to whom the items



New Acquisitions with New Partners

The Libraries of CSIR & DST Labs have joined together to form a consortium called National Knowledge Resource Consortium (NKRC) which was launched recently.

As a member of NKRC IIA libraries at Bangalore and other filed stations have IP enabled online access to more than 3000 journals from 14 publishers in addition to 245 titles subscribed by IIA Library. NKRC is supported by CSIR and DST in terms of subscription and maintenance of the electronic access to journals for the years 2009 – 2012.

Migration from Informal to Formal Consortium

Advantages

American Physical

Society

- •More buying power for additional contents
- •Protection under the law
- •Formal commitment enforces usage review
- •More flexibility with more members Possibility of more combinations
- •Better negotiating power with publishers/vendors
- •Protection for smaller libraries
- •Equal information access for all the members

Annual Reviews

•Publishers are happy to negotiate with a single representative committee

CSIRO Publishing

The following graph depicts the publisher wise journals online only access through NKRC (National Knowledge **Resource Consortium)**



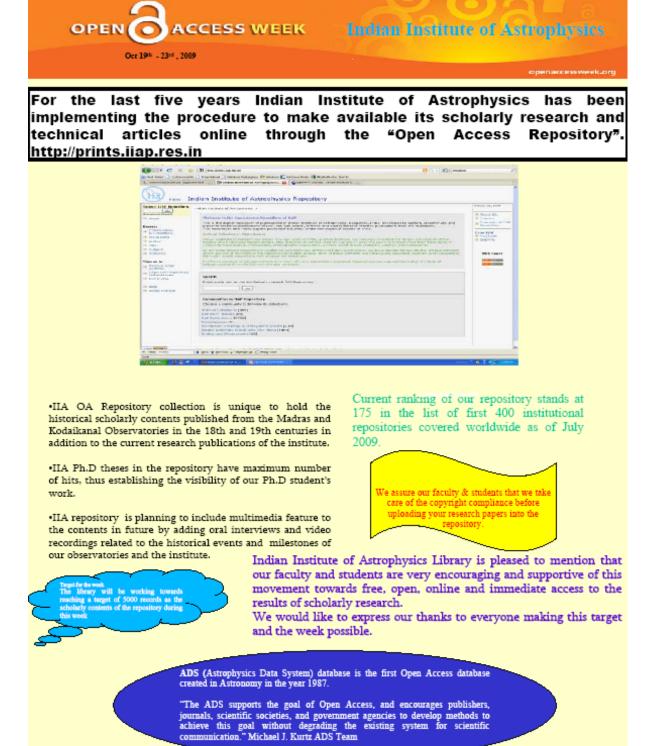
American Chemical American Institute of

Society

Library@Bangalore Library@Kodaikanal

Library@Kavalur

Library@Hosakote



IIA library in support of Open Access week, brought out poster depicting the status of IIA Open Access Repository and the mandate to populate the repository during the OA week.

For any suggestions and clarifications on IIA OA repository contact IIA library staff; library@iiap.res.in

Current Developments

IFFF/IFF Flectronic

Library

• From Jan 2010, the following core journals in Astronomy are subscribed **Only Online.** Access to these journals are enabled in all the field stations through multi-site license.

Ontical Society of

America

Group

Taylor & Francis

- 1. Astrophysical Journal (Institute of Physics)
- 2. Astrophysical Journal Supplement Series (Institute of Physics)
- 3. Astronomical Journal (Institute of Physics)
- Through NKRC(National Knowledge Resource Consortium) the following core journals in Astronomy and Physics are accessed only online in Bangalore and other field stations.

1. Advances in Space Research (Elsevier)

2. Annual Review of Astronomy & Astrophysics (Annual Review)

3. Astronomische Nachrichten (John Wiley) 4. Astronomy & Geophysics (Wiley-Blackwell)

5. Astroparticle Physics (Elsevier)

6. Chinese Astronomy & Astrophysics (Elsevier) 7. Geophysical Research Letters (American Geophysical Union)

8.ICARUS (Elsevier)

9.Infrared Physics & Technology (Elsevier) 10.ISIS (University of Chicago Press)

11. Journal of Atmospheric and Solar Terrestrial Physics (Elsevier)

12. Journal of Computational Physics (Elsevier)

13. Journal of Geophysical Research A (American Geophysical Union)

14. Journal of Quantitative Spectroscopy and Radiative Transfer (Elsevier)

15. Monthly Notices of the Royal Astronomical Society (Wiley-Blackwell)

16.New Astronomy (Elsevier)

17. New Astronomy Reviews (Elsevier)

18. Physical Review A (The American Physical Society)

19. Physical Review Letters (The American Physical Society) 20. Physics of Fluids (American Institute of Physics)

21. Physics of Plasmas (American Institute of Physics)

22. Physics Today (American Institute of Physics)

23. Planetary & Space Science (Elsevier)

24. Publications of the Astronomical Society of Pacific (University of Chicago Press)

25. Radio Science (American Geophysical Union) 26. Reviews of Geophysics (American Geophysical Union)

27. Reviews of Modern Physics (The American Physical Society)

28. Science (American Association for the Advancement of Science)

•Through My I Library who is an aggregator, IIA Library is planning to subscribe to e-books though IP enabled access in Bangalore & other field stations of IIA very soon.

•IIA has initiated the Technical Report Series (TRS) which are the document recordings the technical activities of the Institute. http://www.iiap.res.in/files/uploads/intranet/Guidelines_for_Submission_of_Technical_Reports-IIA_Technical_Report_Series.pdf

Library has extended its support to index these TRS reports and make them available as a community in the OA Repository of IIA.

•Library is planning to install Compact Storage for shelving less used books & journals to make more space in the main library from the month of July, 2010.

•In support of Integrated Ph.D. & Integrated M.Tech.-Ph.D(Tech.) programme of the Institute, library has enhanced the collection of books for students to be used in University of Calcutta and Bangalore Library.

• From 1st Dec 2009, the physical access to the library after office hours has been changed. Library is opened till midnight on Monday to Saturday and from 10 am to 3 pm on Sundays and Holidays.