



Digital information services and products: a case of Raman Research Institute

By

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A Quote...

Scientific research is first and foremost an expression of the resurgence of the human spirit in its search for self-expression. It represents the response of the mind of man to the marvelous and ever-changing panorama of nature

-C V Raman

Panoramic View of RRI



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User category

- Faculty & Scientists
- Technical personnel
- Research Students
- Post Doctoral Fellows
- Visiting Scientists
- Visiting Students



Library Staff

- Professionally trained: 6
- Reprography – 1
- Photography – 1
- Binding – 1
- Support staff - 2

View of RRI Library



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Collection Strength

- Books and Bound journals – 65000
- Print subscription of Journals – 76
- E-journals subscription – 83
- Consortium accesses to e-journals – 4000
- CD/DVD/s - 1000

RRI Library homepage

The screenshot shows the RRI Library homepage in a Mozilla Firefox browser. The browser's address bar displays the URL <http://www.rri.res.in/library.html>. The page features a navigation menu with links for CALENDAR, EVENTS, ABOUT RRI, RESEARCH, FACILITIES, and APPLYING TO RRI. The main content area is titled "Facilities" and "LIBRARY". A search bar is located in the top right corner. The page is divided into several sections:

- Library Links:** Digital Repository, Imprints Collections, RRI Library Catalogue, Electronic Journals, Electronic Books, Catalogue of Serials, FORSA Libraries Union, National Knowledge Resource, IISc. Library Catalogue, and Other useful links.
- Feedback and Staff:** A red box containing links for Feedback and Staff.
- Library Hours:** 9 am to 6 pm (Monday to Friday) and 9am to 5.30 pm (on all Saturdays).
- Text Description:** A paragraph describing the library's history, collection, and services, mentioning Prof. C. V. Raman and various research areas.
- Services:** A section detailing the library's services, including circulation, reprographic, and interlibrary borrowing services.

The browser's taskbar at the bottom shows the system tray with the date and time: 5:27 PM. The text "KLA National Seminar, 14-16 July 2011," is overlaid at the bottom center of the image.



Digital Library initiatives at RRI

- Digital repository of Raman Research Institute
- FORSA (Forum for Resource Sharing in Astronomy)
- National Knowledge Resource Consortium
- Ebooks
- Imprints Collection

RRI Digital Repository - Screen Shot

The screenshot shows a Mozilla Firefox browser window displaying the RRI Digital Repository website. The browser's address bar shows the URL <http://dspace.rii.res.in/>. The website header features the RRI logo and the text "e-संग्रह" on the left, and "RAMAN RESEARCH INSTITUTE Digital Repository" on the right. The main content area includes a welcome message, a search box, and a list of communities in DSpace. The left sidebar contains navigation links for search, browse, and sign-on. The right sidebar includes information and help links, as well as RSS feeds. The footer of the website states "Maintained by RRI Library" and "Powered by DSPACE".

Search RRI Repository
Advanced Search
Home
Communities & Collections
Issue Date
Author
Title
Subject
Statistics
Sign on to:
Receive email updates
RRI Repository authorized users
Edit Profile
Help
About DSpace

RAMAN RESEARCH INSTITUTE
Digital Repository

June 22, 2011

Information & Help
About the Repository
Author benefits
Copyright Issues
Submission Guide
Contact

RSS Feeds
RSS 1.0
RSS 2.0

RRI Digital Repository >

Welcome to the Digital Repository of the Raman Research Institute

This contains the research publications of the faculty and students of the Raman Research Institute. The collected papers of C.V. Raman and the historical records of the institute (Annual Reports and Newspaper Clippings) are also housed here.

Search
Enter some text in the box below to search DSpace.

Communities in DSpace
Choose a community to browse its collections.

01. Archives [752]
02. C.V. Raman and his work [514]
03. Science at the Raman Institute: 1948-1970 [61]
04. Astronomy and Astrophysics [829]
05. Light and Matter Physics [180]
06. Soft Condensed Matter [1012]
07. Theoretical Physics [462]
08. Patents [3]
09. RRI Science News [4]
10. Miscellaneous [124]

Maintained by RRI Library
Powered by DSPACE

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start | kla - Microsoft Word | RRI Digital Repositor... | 3:45 PM



Different communities of repository

- Archives
- C. V. Raman and his work
- Science at the Raman Institute: 1948-1970
- Astronomy and Astrophysics
- Light and Matter Physics
- Soft Condensed Matter
- Theoretical Physics
- Patents
- RRI Science News
- Miscellaneous



Different communities of repository ...

Archives Comprises of annual reports; Gandhi memorial lectures and newspaper clippings. Gandhi memorial lecture is an annual event held on October 2nd, the Gandhi Jayanthi. It is a popular lecture series and eminent people from different walks of life are invited to share their thoughts. Audio/Visual format of this lecture series are a part of this institutional repository. All the news items covered in newspapers on Sir C V Raman and RRI are uploaded in the archives. All these are of historical importance and needs to be preserved in digital format and also at the same time show cased to the entire world.



Different communities of repository ...

- **C. V. Raman and his work** include the scientific papers published by him; lectures delivered by him in text format; biographical sketches on him and articles published on him and his work by others. C V Raman had published about 514 articles.
- **Science at the Raman Institute: 1948-1970** includes all the articles published by Raman's students working under his guidance from the inception of the institute until his demise.



Different communities of repository ...

Community 04 – 07 comprises of the research articles and theses published by the different research groups at RRI namely Astronomy and Astrophysics, Light and Matter Physics, Soft Condensed Matter and Theoretical Physics.

Under the community **Patents**, there are 3 patents to which RRI gets credit.



Different communities of repository ...

- **RRI Science News** covers those aspects of RRI research information covered by news items.
- **Miscellaneous** publication includes popular articles submitted by research scholars.



FORSA

During early 1980's, librarians working in astronomical institutes in India observed tremendous growth of scientific and technical literature in Astronomy and allied sciences. They felt the need of coming together and sharing information held in each library. As a result, FORSA was initiated in July 1981 during Astronomy Librarians meeting held at Raman Research Institute, Bangalore, with a mission and vision to share and exchange information and make the best use of available library resource.



FORSA ...

- This is one of the earliest consortium activities in India and still alive after 30 years.
- FORSA is a librarian-initiated, open consortium having eleven participants affiliated to different government departments with decentralized payment and licensing.



FORSA ...

- Under the umbrella of FORSA, Indian Astrophysics Consortium (Springer-Kluwer); Nature Online; Lecture Notes in Physics (Springer) and FORSA - UCP - IOP Consortium have been realized.
- It has proved to be a model for active Library cooperation, coordination and collaboration in realizing varied needs of astronomy libraries in general and astronomers, in particular.



National Knowledge Resource Consortium

- Financial resource is a great cause of concern in these days of shrinking budget, cost escalation and information explosion for any given library. Consortia are a boon to librarians in the digital environment enhancing the power of online access to a variety of information resources. CSIR e-journal consortium started in the year 2002.
- DST funded autonomous organizations joined this consortia in April 2009. This CSIR-DST consortium was renamed as "National Knowledge Resource Consortium (NKRC)". Since RRI is a DST funded autonomous organization, RRI library has become a major player in this consortium activity.



NKRC ...

- Participants - 39 CSIR labs and 27 DST funded institutes.
- Publishers – products of 17 publishers are shared among the consortium participants.
- Online access to 4000 journals are available since 1997.
- Databases like *SciFinder Scholar* and *Web of Science* are made accessible through this consortium.

NKRC webpage at RRI

National Knowledge Resource Consortium - Mozilla Firefox

http://www.rri.res.in/htmls/library/ejournals_consortium.html


Electronic Journals

Go to Library Homepage

Resources Union Catalogue of Books Electronic Resources Electronic Journals Feedback

Go to RRI Homepage

National Knowledge Resource Consortium

	 American Chemical Society		 ANNUAL REVIEWS A Nonprofit Scientific Publisher
	 IEEE/IEE Electronic Library Online	 IndianJournals.com A Product of Divan Enterprises	
			 Optical Society Of America
 ROYAL SOCIETY OF CHEMISTRY	 SciFinder [®] Part of the process.™		 Taylor & Francis Group
 World Scientific Connecting Great Minds			

Done

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start | KLa - Microsoft Word | National Knowledge R... | 3:31 PM



Ebooks

- Oxford English Dictionary defines ebook as electronic version of a printed book.
- According to Wikipedia the first ebook made its appearance in 1970. "**On Murder Considered as one of the Fine Arts**" is an essay by Thomas De Quincey which was first published in 1827 is the first book to take the electronic form in 1993.
- Although it has been almost 20 years, ebooks are not still accepted for serious reading in Indian academic /scientific libraries.
- A very recent interaction with the select group of users at RRI revealed that they were not comfortable reading an ebook.



Ebooks ...

- However, keeping in mind the search and navigational potential of ebooks, RRI library has made a beginning in procuring ebooks and to slowly introduce the users to this new concept of reading.
- Pricing models and the other factors such as 'Pick and choose' or 'whole bundle' model are the criteria's considered before they were purchased.
- Presently we have access to 109 ebooks from Cambridge University Press, 358 Lecture Notes in Physics, 205 Annual Reviews.



Ebooks ...

- We propose to evaluate their usage in the future. Based on the evaluation result, we need to formulate a collection development policy of ebooks at RRI.
- Ebooks have great potential and future as media of information storage. Therefore we need to promote them as a source of information.
- Additionally, there has been an initiative for purchasing electronic book chapters relevant for research. This has found considerable encouragement from the user community.



Imprints Collection

- RRI library has been very thoughtful and found a novel way of appreciating the scientists for their contribution to the world of scientific literature when they superannuate.
- All the research papers of an individual scientist is brought together in the form of collected works both in print and electronic format and it is gifted to him/her at the time of retirement.



Imprints Collection ...

- This information product is named as "**Imprints Collection**" meaning an Imprint of the research work of scientists in the form of research papers which stand a testimony to their contribution to the world of scientific literature.
- This is an impression of scientific productivity in terms of research articles published during their entire research career and it is made available at one place through this imprints collection.



Imprints collection ...

- So far there has been eleven recipients of this service.
- Initially this was designed to bring out the collections as a monograph/book along with CD.
- Subsequently this list with full-text access where ever permissible is uploaded on the repository.

Imprints Collection

Collected Works of Retired Scientists

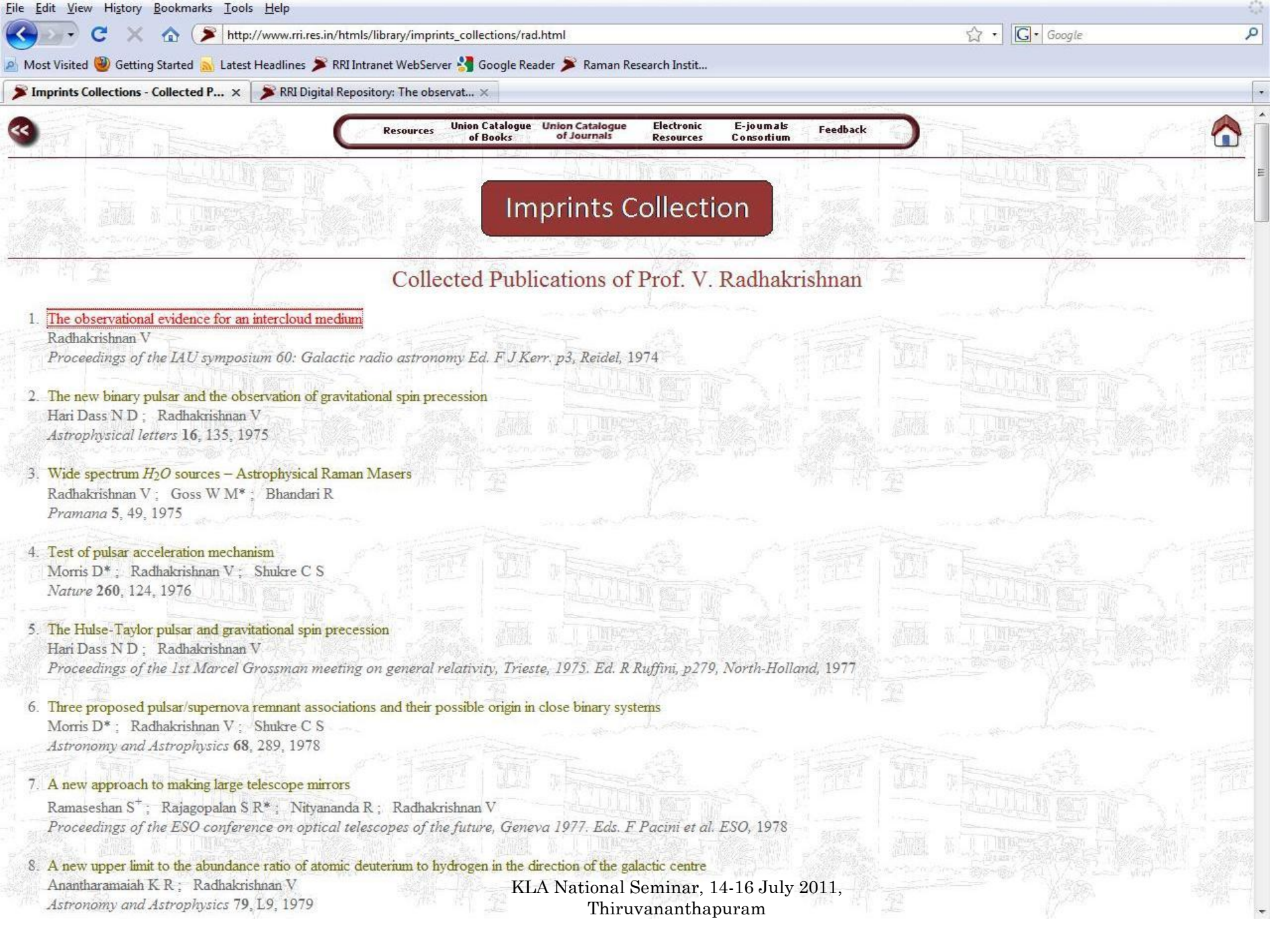
1. [Prof. V. Radhakrishnan \(1929-2011\)](#)
2. Prof. S. Ramaseshan
3. Prof. N. Kumar
4. Prof. C. S. Shukre
5. Prof. G. S. Ranganath
6. Prof. G. Srinivasan
7. Prof. N. V. Madhusudana
8. Prof. K. A. Suresh
9. Prof. B. K. Sadashiva
10. Prof. R. Bhandari
11. Dr. Y. M. Patil

A look back effort from Library staff to collect, collate and compile the research publications of retired Scientists at one place through Imprints Collection

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RAMAN RESEARCH INSTITUTE
C. V. Raman Avenue, Sadashivanagar, Bangalore - 560 080, India
Phone: (80) 23610122 Fax: (80) 23610492 Telegrams: RAMANINST e-mail: library@ri.res.in



Imprints Collection

Collected Publications of Prof. V. Radhakrishnan

- The observational evidence for an intercloud medium
Radhakrishnan V
Proceedings of the LAU symposium 60: Galactic radio astronomy Ed. F J Kerr, p3, Reidel, 1974
- The new binary pulsar and the observation of gravitational spin precession
Hari Dass N D ; Radhakrishnan V
Astrophysical letters 16, 135, 1975
- Wide spectrum H₂O sources – Astrophysical Raman Masers
Radhakrishnan V ; Goss W M* ; Bhandari R
Pramana 5, 49, 1975
- Test of pulsar acceleration mechanism
Morris D* ; Radhakrishnan V ; Shukre C S
Nature 260, 124, 1976
- The Hulse-Taylor pulsar and gravitational spin precession
Hari Dass N D ; Radhakrishnan V
Proceedings of the 1st Marcel Grossman meeting on general relativity, Trieste, 1975. Ed. R Ruffini, p279, North-Holland, 1977
- Three proposed pulsar/supernova remnant associations and their possible origin in close binary systems
Morris D* ; Radhakrishnan V ; Shukre C S
Astronomy and Astrophysics 68, 289, 1978
- A new approach to making large telescope mirrors
Ramaseshan S⁺ ; Rajagopalan S R* ; Nityananda R ; Radhakrishnan V
Proceedings of the ESO conference on optical telescopes of the future, Geneva 1977. Eds. F Pacini et al. ESO, 1978
- A new upper limit to the abundance ratio of atomic deuterium to hydrogen in the direction of the galactic centre
Anantharamaiah K R ; Radhakrishnan V
Astronomy and Astrophysics 79, L9, 1979

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Please use this identifier to cite or link to this item: <http://hdl.handle.net/2289/2450>

Title: The observational evidence for an intercloud medium

Authors: Radhakrishnan, V.

Issue Date: 1974

Publisher: Reidel

Citation: IAU Symposium, 1974, Vol.60, p3

Description: Open Access. Galactic Radio Astronomy: Proceedings from IAU Symposium no. 60 held at Maroochydore Queensland, Australia, 3-7 September, 1973. Eds. Frank J. Kerr and Simon Christian Simonson. International Astronomical Union. Symposium no. 60, Dordrecht-Holland; Boston: D. Reidel Pub. Co.

URI: <http://hdl.handle.net/2289/2450>

Alternative Location: http://adsabs.harvard.edu/cgi-bin/bib_query?1974IAUS...60....3R

Copyright: 1974 Reidel

Appears in Collections: Research Papers (A&A)

Files in This Item:

File	Description	Size	Format
1974 Proc. IAU Symp. V60 p3.pdf	Open Access	872.31 kB	Adobe PDF View/Open

Show full item record

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Imprints collection ...

- Updating repository is a continuous process as most of the scientists keep publishing research articles even after retirement.
- Care has been taken to see that their earlier publications before they entered RRI Scientific community has also been included.



Conclusion

- RRI has the rich legacy of its founder Sir C V Raman which is carried forward by its Scientists and students over sixty years of its birth.
- On an average 110-120 research articles are published every year by RRI in peer reviewed high impact factor journals.
- As a result RRI library has a major role to play in enhancing the visibility of research carried out in the institute by showcasing them through our Institutional repository.



Vision 2012 and beyond

- Building digital repository is a continuous process.
- RRI has lot of archival materials of historical importance such as correspondences of Sir C V Raman and the rare photos of the legend.
- A digital repository of these rare items and photo gallery is planned.



Vision 2012 and beyond ...

- In-house lectures and lectures delivered by RRI scientists elsewhere in audio/video format will also be made available through Institutional repository.
- RRI library aims to adopt the latest technology and render quality services to its end users.
- We believe in "Value addition" and "Continuous Improvement".



Thank You

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