

Table of Contents

June & July
2024



CENTRAL LIBRARY
— NISER BHUBANESWAR —

- 01 Where are these Periodicals?**
The Periodical section is located on the **1st Floor**.
- 02 What resources are included here?**
The Print journals & Magazines subscribed by the library are listed here.
- 03 How to suggest a Periodical?**
Send us an email to libniser@niser.ac.in/kkgupta@niser.ac.in through proper channel



SCAN ME

Library Website

TABLE OF PERIODICALS



01



Current Science

June-2024, Vol. 126, Number 12

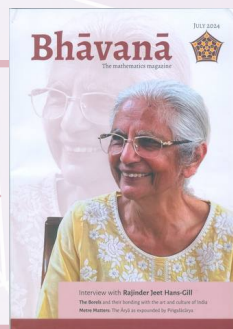
02



The Gujarat

July-2024, Vol. 14, Issue 3

03



Bhavana

July-2024, Vol. 8, Issue 3

04



Physiotimes

July-2024, Vol. 16, Issue 1

CURRENT SCIENCE

Volume 126 Number 12

25 June 2022



Multi-fuel biomass furnace

Forensic DNA technology in India

Evolution of protein-protein interactions

- 1464 **A study on analytical techniques and statistical design for tertiary treatment of secondary wastewater using Zetag-4120 coagulant**
Priya Singh, Mahendra Kumar Pal, Prabhat Kumar Singh Dikshit and Goutham Banerjee
- 1472 **Exploring community attitudes and perceptions towards solid waste management: a case study of Kerala, India**
Vishnudatha Venu, Akshay Ranjith and S. Ambika
- 1479 **Genetic diversity of *Melipona mandacaia*, Smith 1863 in natural and rational breeding populations**
Amaro Antonio Silva Neto, Eva Mônica Sarmiento da Silva and Michely Correia Diniz
- 1485 **Monitoring of pesticide residues and risk assessment for consumer safety in rice samples from Andhra Pradesh, India**
Jhansi Hima Varsha Valluri, Cherukuri Sreenivasa Rao, Ch. Chiranjeevi, V. Srinivasa Rao and P. Kishore Varma
- 1495 **Arsenic contamination in groundwater of the Majha belt of Punjab and its probable carcinogenic and non-carcinogenic health hazards**
Hardev Singh Virk

RESEARCH COMMUNICATIONS

- 1501 **A low-cost multi-fuel biomass furnace for food processing in rural areas**
Anil K. Rajvanshi and Nandini Nimbkar
- 1503 **A study on the role of epidermal tissues in limb regeneration in a ladybird beetle, *Cheilomenes sexmaculata* (Coccinellidae)**
Saumya Rawat, Shriza Rai and Geetanjali Mishra

BOOK REVIEWS

- 1507 **Analysis and Entrywise Positivity Preservers.** Apoorva Khare; *reviewed by* Tanvi Jain
- 1507 **Annual Review of Genetics, 2023.** Tatjana Piotrowski, Andrew G. Clark and Zemer Gitai (eds); *reviewed by* Anasuya Chakrabarty
- 1509 **Annual Review of Phytopathology, 2023.** Gwyn A. Beattie and John M. McDowell (eds); *reviewed by* Shweta Singh and Rasappa Viswanathan



CURRENT SCIENCE

- ◀ COVER. A ladybird beetle, *Cheilomenes sexmaculata* (Credit: Wikimedia). See page 1503 for more details.

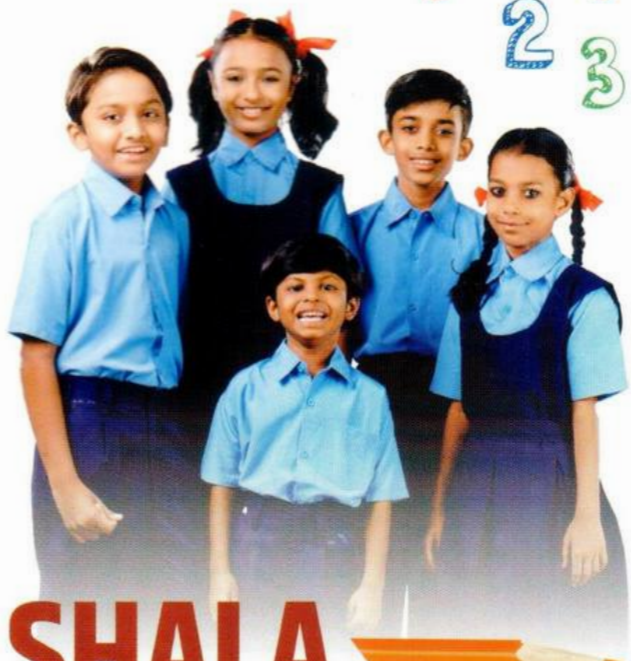
Indexed in CURRENT CONTENTS/GEOTitles/SCOPUS/IndMED/SCOPUS/
WEB OF SCIENCE

the GUJARAT

An English Quarterly Magazine

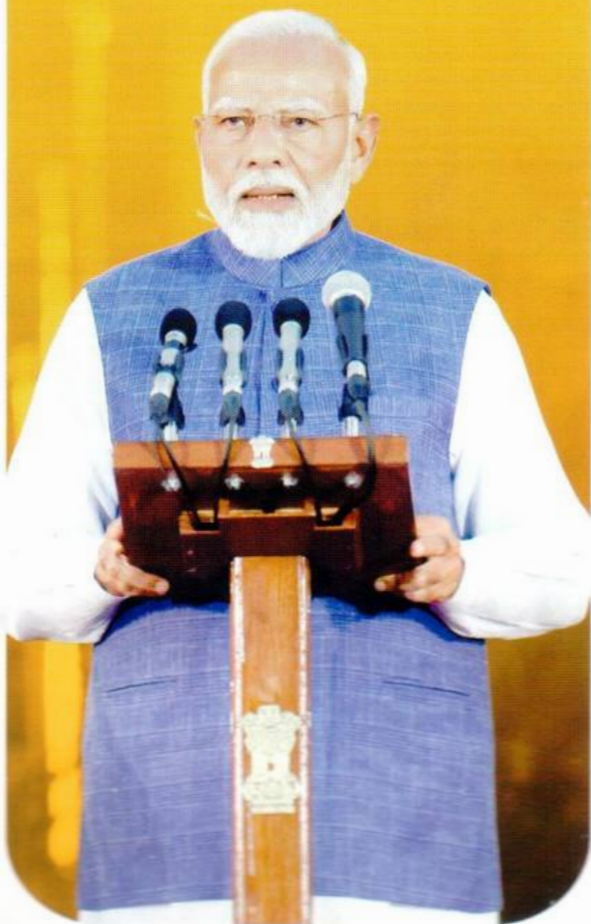


1 4
2 3



SHALA PRAVESHOTSAV

SHRI
NARENDRA
MODI'S 3.0
OATH
CEREMONY
AT RASHTRAPATI
BHAVAN



Aa

Bb

Cc





10

Cover Story
**GUJARAT'S SHALA
PRAVESHOTSAV**

105
Toon

106

RESULT
**LOK-SABHA
ELECTIONS 2024**

114

BUDGET
**5G HISTORIC
BUDGET**

118

DEVELOPMENT SAGA
**THE HEARTBEAT
OF CULTURE &
PROSPERITY**

**GYAN
(GARIB, YUVA,
ANNADATA AND
NARISHAKTI)**

HEALTH

PEACE & SAFETY

**GUJARAT:
THE BEST CHOICE
FOR INVESTMENT**

**SPORTS,
CULTURE &
HERITAGE OF
GUJARAT**

**URBAN
DEVELOPMENT**

NARMADA

**EMPOWERED
WOMEN OF
GUJARAT**

140

BOOK REVIEW
**TUESDAY'S
WITH MORRIE**

141

ACHIEVEMENT
GI-TAGS IN INDIA

142

NATURE'S VIBES
**GUJARAT'S
BUTTERFLIES**
**WILDLIFE
SANCTUARIES OF
GUJARAT**

149

ART
**THE ROYAL
OPERA HOUSE**

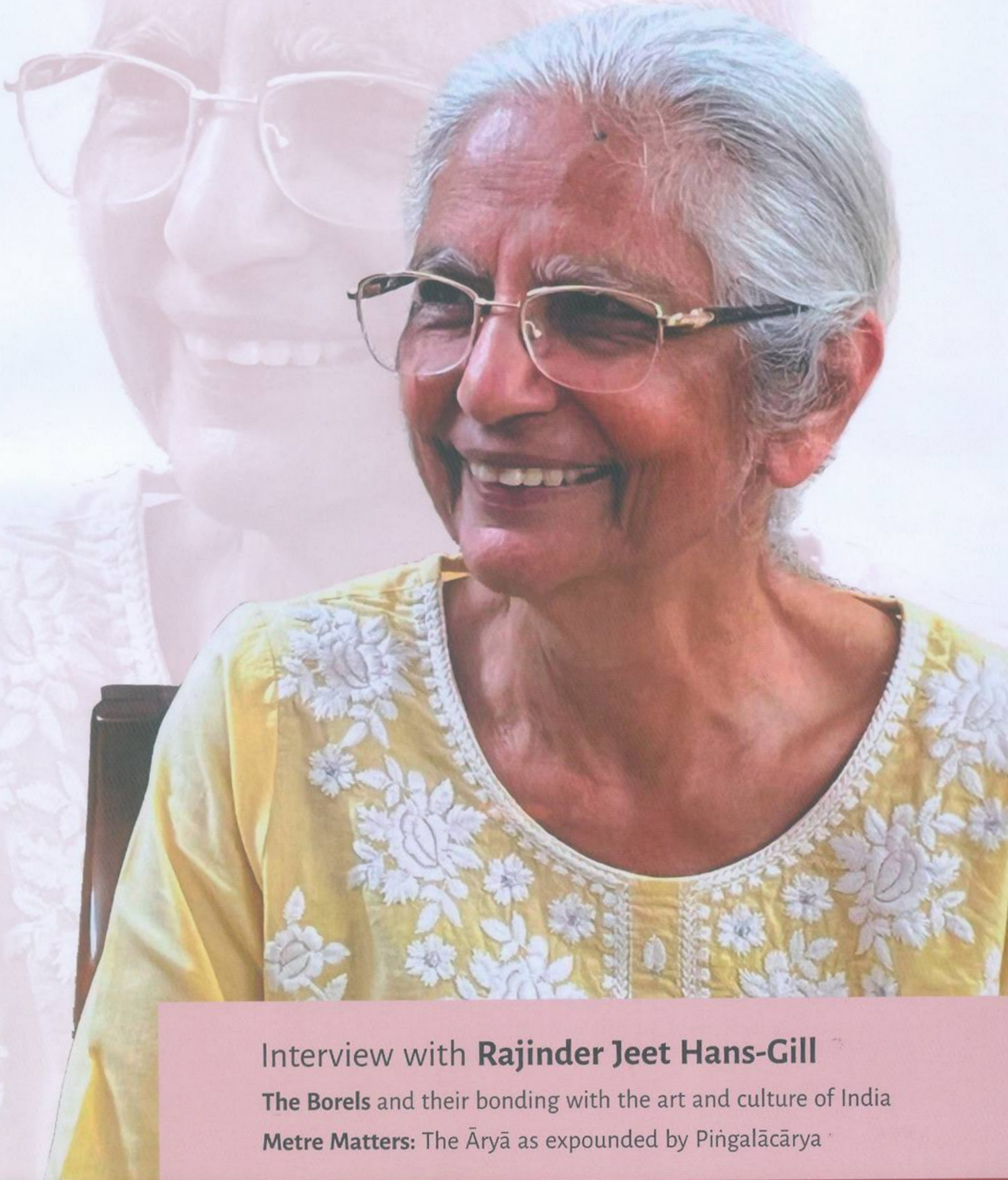
150

CELEBRATION
YOGA

JULY 2024

Bhāvanā

The mathematics magazine



Interview with **Rajinder Jeet Hans-Gill**

The Borels and their bonding with the art and culture of India

Metre Matters: The Āryā as expounded by Piṅgalācārya

Jul 2024

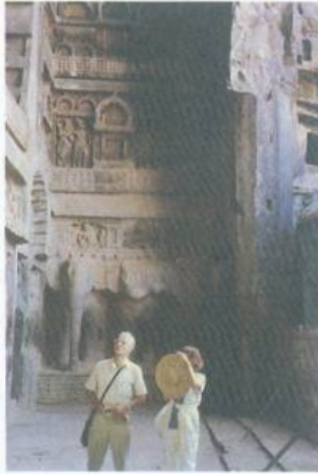
NIKITA AGARWAL and KANEENIKA SINHA 5 For the joy of doing mathematics
In Conversation with Rajinder Jeet Hans-Gill

SUDHIR RAO 21 "We love India"
The Borels and their bonding with the art and culture of India.

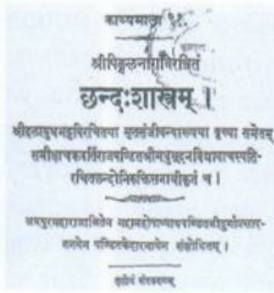
MAHIT WARHADPANDE AND K. RAMASUBRAMANIAN 32 Metre matters: The Āryā as expounded by Piṅgalācārya



5



21



32

CHIEF EDITOR

C.S. Aravinda

CONTRIBUTING EDITORS

Nithyanand Rao

Sudhir Rao

Suraj Krishna M S

MANAGING EDITOR

SOCIAL MEDIA EDITOR

ILLUSTRATIONS EDITOR

PRODUCTION EDITOR

CORRESPONDING EDITORS

Michael Barany (University of Edinburgh)

Mohan Delampady (ISI, Bengaluru)

Rohini Godbole (IISc, Bengaluru)

Vijay M. Patankar (BITS-Pilani, Goa)

P. Rajendran (Former Senior Editor, India Abroad)

K. Ramasubramanian (IIT Bombay, Mumbai)

Indranath Sengupta (IIT Gandhinagar)

Chandrasheel Bhagwat (IISER Pune)

Purnaprajna Bangere (University of Kansas)

Kaushal Verma (IISc, Bengaluru)

Vishaka Datta

Mahit Warhadpande

Vishesh Bhat

Rajesh Akkihal

Anupam Ghosh

Sumitra Satyavolu

Ambika Vanchinathan

Amit Deshpande (Microsoft Research)

Amartya Kumar Dutta (ISI Kolkata)

Athanase Papadopoulos (University of Strasbourg)

Amritanshu Prasad (IMSc, Chennai)

Kavita Ramanan (Brown University)

Srinivas Rau (Chanakya University)

B.R. Shankar (NIT Surathkal)

Kaneenika Sinha (IISER Pune)

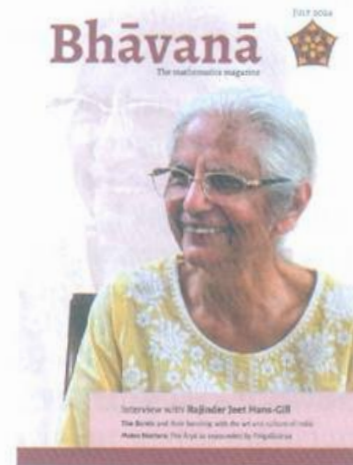
Banktेशwar Tiwari (BHU Varanasi)

Siddhi Pathak (CMI, Chennai)

Typeset by Ambika Vanchinathan

BHAVANA TRUST GRATEFULLY ACKNOWLEDGES FUNDING FROM PRATIKSHA TRUST

COVER DESIGN Rajaneesh Kashyap



COVER IMAGE CREDITS
FRONT COVER Nikita Agarwal
BACK COVER Dominique Borel

PHYSIOTIMES®

India's first Magazine for Physiotherapists, by Physiotherapists

UNLEASHING THE SCIENCE OF

AMINO ACIDS

Artificial Intelligence

Renovation or Innovation?

FIFA II+

Injury prevention program

Carpal Tunnel Syndrome

NON TRAUMATIC WRIST PAIN

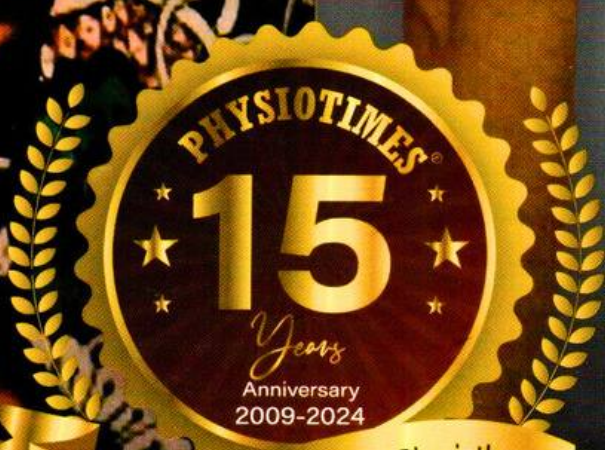


In Conversation with Kolkata Thunderbolts' star man

GOLD SPORTS

7

VINIT KUMAR

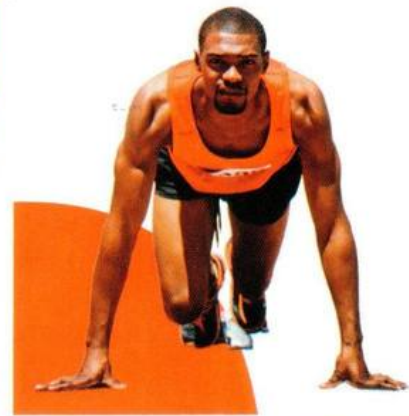


Celebrating 15 Years Service in Physiotherapy

Table of Contents

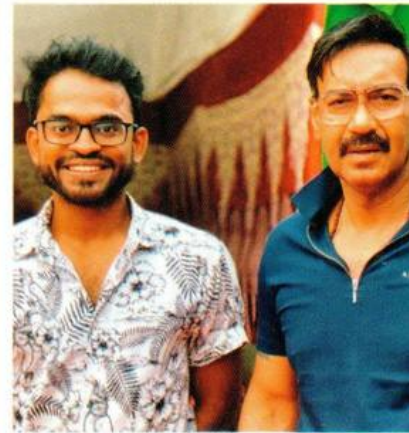
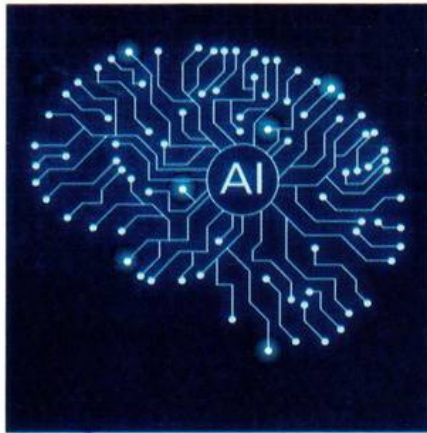
06

Cover Story
*In Conversation with
 Kolkata Thunderbolts' star man
 VINIT KUMAR*



10

**Unleashing The Science of
 Amino Acids: Performance
 Enhancers in Sports.**
Dr. Nikita Ranawat (PT)



14

**Artificial Intelligence (AI)
 in Neurological Rehabilitation**
Dr. Darshan Parmar (PT)

16

INSIDE THE SCENES
*My Journey as a Sports Physiotherapist
 on the Set of Maidaan*
Dr. Clinton Pereira (PT)



22

**FIFA 11+ Injury prevention program
 for Soccer athletes Evidence
 and Implementation**
Dr. Mohammed Amjad Khan (PT)

30

**NON TRAUMATIC WRIST PAIN
 and its potentially modifiable factors
 associated with Ergonomics.**
Dr. V. Padmaja (PT)

33

Renovation or Innovation?
*The most effective physiotherapy
 education recipe*
Dr Nidhi Kalra



38

**Understand and Cure
 Carpal Tunnel Syndrome**
Dr. Happy Amal K (PT)



Thank You

Please do reach out to us if you need any additional information or assistance.

Central Library

National Institute of Science Education and Research

Email: libniser@niser.ac.in

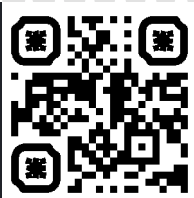
Contact No. 0674-2494000 (Extn: 2171)

Website: <https://oldsite.niser.ac.in/library>

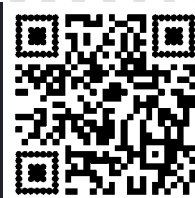
OPAC: <http://opac.niser.ac.in:8001>

Digital Repository: <http://idr.niser.ac.in:8080/jspui>

IRINS Faculty Profiles: <https://niser.irins.org/>



NISER



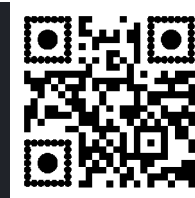
Library



Repository



Web OPAC



IRINS