



# RAM LAL ANAND COLLEGE

University of Delhi

ISO 21001:2018, ISO 9001:2015 | NAAC ACCREDITED 'A+' GRADE | NIRF Ranking 90 (All India)

## A TWO DAY NATIONAL CONFERENCE ON

**HISTORY AND DEVELOPMENT OF SCIENCE IN INDIA:  
BRIDGING ANCIENT WISDOM TO CONTEMPORARY HORIZONS**

ORGANIZED BY

**Department of Microbiology**

In collaboration with

**Department of History**

**15-16 APRIL, 2026**

Dr. Shalini Swami

**Convener &  
Organising Secretary,  
Department of  
Microbiology**

Dr. Pratik Kumar

**Co-Convener,  
Department of  
History**

Dr. Vikas Kumar

**Co-Convener,  
Department of  
History**

Prof. Rakesh Kumar Gupta

**Principal & Patron**

# About Ram Lal Anand College

Ram Lal Anand College, a constituent college of the University of Delhi, was established in 1964 and is fully funded by the Ministry of Education, Government of India. Located in the South Campus of New Delhi, the college is spread over a ten-acre green campus with modern academic and recreational facilities, including laboratories, seminar halls, a central library, sports infrastructure, and student amenities. The campus also houses Radio Tarang 90.0 FM, a community radio station launched in 2023, which supports educational broadcasting, student skill development, and community outreach on social, health, and cultural issues.

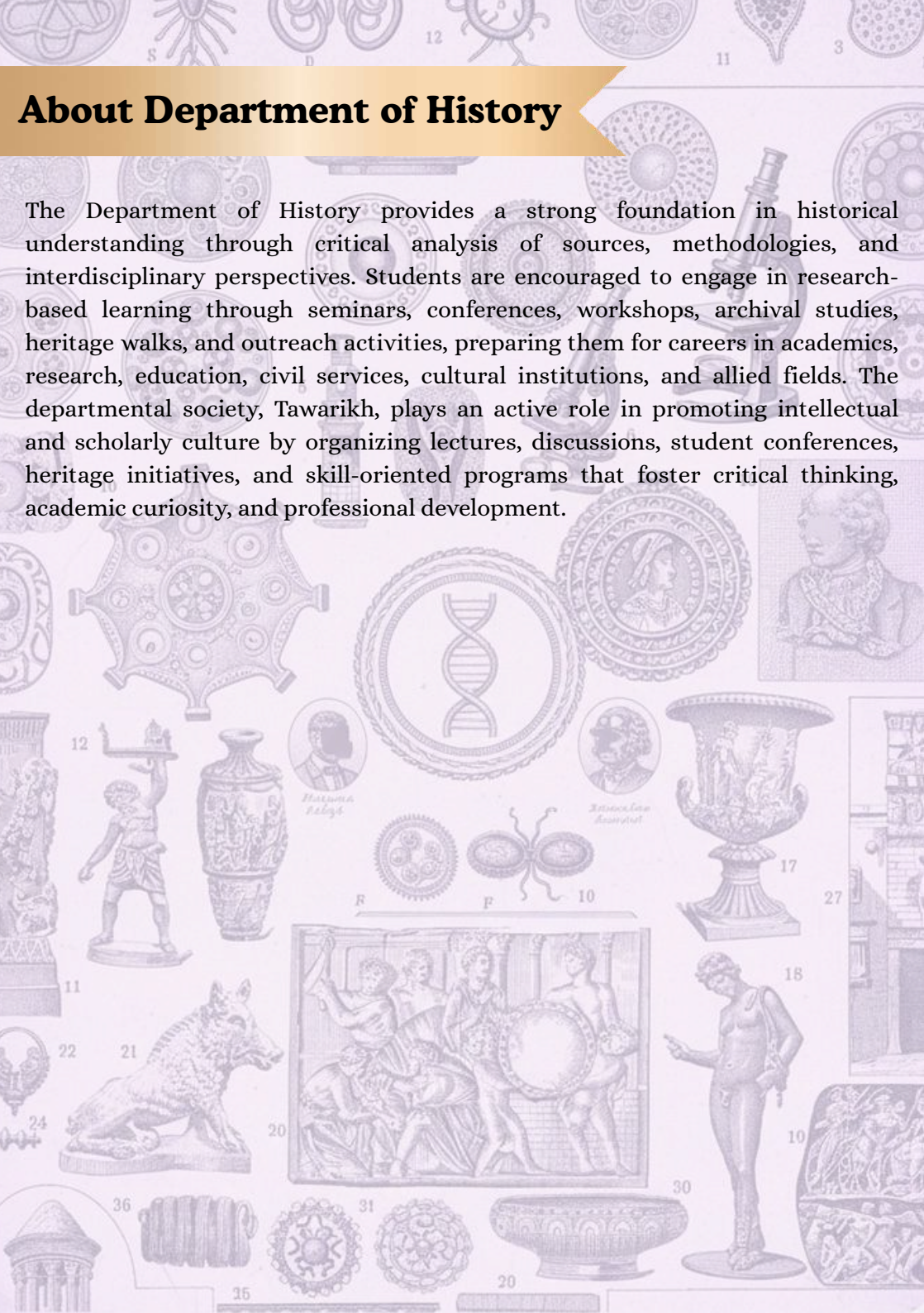
The college is nationally recognized for academic excellence, with a 90th rank in NIRF (College Category) and an A+ grade from NAAC, along with ISO 21001:2018 and ISO 9001:2015 certifications. Serving over 2,500 students across arts, commerce, science, and management programs, the institution is supported by more than 100 qualified faculty members. It has a strong research ecosystem, securing funding from agencies such as DST, ICMR, DBT, and NMHS, and promotes student research through College Research Grant (CRG) projects and dedicated laboratories supporting PhD scholars under University of Delhi supervision.

# About Department of Microbiology

The Department of Microbiology provides strong theoretical foundations combined with intensive laboratory training in microbial sciences. Well-equipped laboratories support experiential learning, while students are encouraged to participate in research projects, scientific conferences, internships, and interdisciplinary activities, preparing them for careers in research, healthcare, biotechnology, and allied sectors. Its departmental society, Mikrobiologika, established in 1990, plays a central role in promoting scientific culture by organizing seminars, expert lectures, alumni talks, workshops, student conferences, outreach programs, and skill-development activities. These initiatives foster academic curiosity, professional networking, and experiential learning, preparing students for careers in research, healthcare, biotechnology, and allied sectors.

# About Department of History

The Department of History provides a strong foundation in historical understanding through critical analysis of sources, methodologies, and interdisciplinary perspectives. Students are encouraged to engage in research-based learning through seminars, conferences, workshops, archival studies, heritage walks, and outreach activities, preparing them for careers in academics, research, education, civil services, cultural institutions, and allied fields. The departmental society, Tawarikh, plays an active role in promoting intellectual and scholarly culture by organizing lectures, discussions, student conferences, heritage initiatives, and skill-oriented programs that foster critical thinking, academic curiosity, and professional development.



# Concept Keynote

Human civilization has been continuously shaped by the evolution of Science and Technology (S&T) from the Vedic age to the Digital Era, and now into the Biotechnological age that is redefining human health, environment, and economies. However, this progress has also generated complex challenges, among which Antimicrobial Resistance (AMR) has emerged as one of the most critical global health crises.

According to the World Health Organization, AMR is responsible for approximately 1.27 million deaths annually worldwide, largely driven by the overuse and misuse of antibiotics since the discovery of penicillin in the 1940s. While modern science seeks innovative solutions, valuable insights may also be drawn from ancient knowledge systems. Long before the work of Antonie van Leeuwenhoek and Robert Koch, Indian classical texts documented understandings of microbial threats and therapeutic responses. Vedic literature refers to disease-causing organisms as krimis, while texts such as the Charaka Samhita and Sushruta Samhita describe antimicrobial formulations using herbs like Triphala and Nimba (Neem) to treat diseases such as visarpa, atisara, kushta, and epidemic conditions termed janapadodhwamsa.

Integrating ancient knowledge with modern scientific inquiry offers a promising interdisciplinary approach to addressing AMR. Examining how traditional medical insights evolved into systematic scientific frameworks can help identify principles relevant to contemporary pharmaceutical research and public health strategies.

The conference is structured around six interconnected sub-themes that together provide a comprehensive framework for understanding AMR through Indigenous Knowledge Systems and contemporary science. It aims to foster interdisciplinary collaboration that bridges microbiology, history, social sciences, and public health.

The Department of Microbiology, in collaboration with the Department of History, Ram Lal Anand College, University of Delhi, is organizing a two-day National Conference sponsored by the National Resource Centre, Indian Council of Social Science Research (NRC-ICSSR). The conference seeks to highlight AMR as not merely a biological issue but a complex scientific, historical, social, and cultural challenge that demands collaborative and integrative investigation.

# Call for Abstracts

Research papers and scientific posters are invited under the broad theme and subthemes. Abstract for paper presentation in the conference should be mailed to

[conferencelac2026@rila.du.ac.in](mailto:conferencelac2026@rila.du.ac.in)

Last date of Abstract

Submission:

**8<sup>th</sup> April, 2026**

## Guidelines for Posters

Poster Dimension should be no more than **3 ft\*4 ft** (36 inch\* 48 inch)

**Title:** Minimum 40-point font

**Headings:** Minimum 32-point font

**Body Text:** Minimum 24-point font

Ensure that your poster effectively aligns with the key aspects of the theme.

Ensure the text is legible from a distance of at least 1 meter.

Taps or pins will be provided by the organizers for displaying your posters.

# Venue

The conference venue is:  
**5, Benito Juarez Marg, South Campus,  
Anand Niketan, New Delhi, Delhi 110021**  
<https://riacollege.edu.in/>

### Nearest Metro Stop

1. Durgabai Deshmukh South Campus (Pink line) Distance - 1.8 km (can be reached via sharing auto for ₹20)
2. Munirka (Magenta Line) Distance - 5.2 km (can be reached via auto for ₹60)

### Nearest Bus Stop

1. Shani Mandir / Vasant Village, 8 min walk (650m walking distance)
2. Shanti Niketan / R.K Puram Sector 8, 14 min walk (1.3 km walking distance)

## Call for Papers

Selected abstracts will be invited to submit full-length research articles or review papers for publication in a reputed journal.

- The abstract must not exceed 250 words.
- The abstract should include the title, author(s) name(s), and their respective institutional affiliation(s).
- The abstract must be typed in Times New Roman, font size 12, with justified alignment.
- A list of 5-6 keywords should be provided at the end of the abstract.
- The abstract should be clear, concise, and relevant to the theme of the conference.
- Abstracts not conforming to the above guidelines may be subject to rejection.

# Registration

The registration is open for all the Scientists, Post Doctoral Fellows, Faculties, Research Scholars, Post Graduates, Undergraduates & Attendees.

Selected abstracts will be allowed for participation in poster and oral presentation.

**Please visit the following Google Form Link to Register**

<https://forms.gle/XBsBNoub1q4wuFKA>

## Guidelines for Oral Presentation

Duration: 8 minutes for presentation + 2 minutes for Q&A/discussion.

Format: Prepare a PowerPoint (PPT) presentation.

Technical Requirement: Bring your own pen drive with the PPT file (no sharing of conference laptops)

## Sub-Themes

- Unveiling the history of Empirical Scientific Knowledge in Contemporary Revolution-
  - (i) Transformation and Evolution of artisan craft in Ayurveda to systemic S&T.
  - (ii) Empirical foundation of Microbes.
  - (iii) IKS lineage rebuilding in modern era.
- Ancient Tridosha-Microbiomes Nexus and its Therapeutic Potential-
  - (i) Validation of dosha specific microbial signatures.
  - (ii) Dosha imbalance and Gut dysbiosis.
  - (iii) Prakriti interventions and therapeutic modulation.
- Unveiling Ayurveda's Antimicrobial and AMR Crisis-
  - (i) Ancient herb efficiency v/s existing resistance pattern.
  - (ii) Bridging the 'Krimi' notion with the genetic survey.
  - (iii) Public Health flourish through cultural understanding.
- Ancient Germ theory concept: From Vedic 'Krimis' to Leeuwenhoek and Koch postulates-
  - (i) Holistic study of 'Krimis' and pathogen morphology.
  - (ii) Evolutionary chronologies: Travel to 20<sup>th</sup> Century Antibiotics
  - (iii) Understanding Pandemic preparedness
- Beyond Triphala and Nimbha: Validation of old Antimicrobial combinations
  - (i) In-vitro and In-vivo studies on traditional medicines.
  - (ii) Synergistic approach to Penicillin analogues
  - (iii) Methods to patent IKS-driven drugs
- Contribution of Social Sciences in AMR: Ancient Epidemic, Social Stigma, and other prospects-
  - (i) Interdisciplinary analysis of Vedic Janapadodhwamsa to TB-AMR issue.
  - (ii) Social Stigma fostering resistance spread
  - (iii) Polyherbal prophylactics and Epidemic strategies

# REGISTRATION DETAILS

## Process of Registration -

1. Fill in the registration details and select the appropriate participant category.
2. Complete the registration payment using the QR code or direct payment link provided.
3. Enter the transaction/reference ID and upload the payment proof.
4. Submit the abstract (for oral/poster presenters only).
5. Submit the registration form.
6. Abstract review and registration confirmation will be communicated via official email.
7. No TA/DA will be provided to the participants.
8. Certificates will be provided to all participants.

## Registration fees

- |   |                   |
|---|-------------------|
| • Faculty/ Post Doctor Fellow/ Scientists           | <b>Rs. 1200/-</b> |
| • Research scholars / Phd Students / Project Fellow | <b>Rs. 800/-</b>  |
| • UG/ PG students/ Attendees                        | <b>Rs. 500/-</b>  |



Or

<https://eazypay.icicibank.com/eazypayLink?P1=IDL6Qbzxr72/ILx/duCXTw==>

Scan the QR or click on the link for Registration Fees

## Distinguished Speakers

1. Dr. Rama Chaudhry, ICMR Emeritus Scientist, Ex Dean Research; Former Professor & Head, Dept. of Microbiology, AIIMS, New Delhi.
2. Dr. HariOm Singh, Scientist-E, BSL-4 Laboratory, ICMR-National Institute of Virology, Pune.
3. Prof. Om Jee Upadhyay, Member Secretary, Indian Council of Historical Research, New Delhi.
4. Prof. Dharm Chand Choubey, Indira Gandhi National Centre of Arts, New Delhi, Specialised in Brihattar Bharat (Greater India) Project.
5. Prof. Manoj Kumar Khanna, Department of Electronics, South Campus, University of Delhi.
6. Mr. Shakti Prakash, Legal Advisor, Ministry of Home Affairs, Government of India, New Delhi.
7. Prof. Arun Kumar Shrivastava, School of Environmental Sciences, Jawaharlal Nehru University.
8. Dr. Shailesh Kumar, Scientist at BRIC-National Institute Of Plant Genome Research (NIPGR), New Delhi.
9. Dr. Ashwini Chauhan, Associate Professor, Department of Microbiology, South Campus, University of Delhi.
10. Dr. Hemant Kumar Daima, Associate Professor and Head, Department of Biochemistry, Central University of Rajasthan.
11. Dr. Sudershan Kumar, Professor, Department of Chemistry, Hindu College, University of Delhi

## Organizing Committee

### Department of Microbiology.

Dr. Sudha Chaudhry  
Prof. Prerna Diwan  
Prof. Vandana Gupta  
Dr. Salome M. John  
Dr. Nidhi S. Chandra  
Dr. Sunila Hooda  
Dr. Nidhi Verma

### Organizing Committee (Student)

Tasmia Akter  
Ayushi Priya  
Lakshay Devrani  
Ujjwalkant Singh  
Kovidh Varshney  
Md Samiul Fardous

### Department of History.

Prof. Rakesh Kumar  
Prof. Narendra Kumar Pandey  
Prof. Rajiv Kumar  
Dr. Krishan Gopal Tyagi  
Dr. Parul Lau Gaur  
Dr. Arvind Patel  
Dr. Shachi Meena  
Dr. Shyamjeet Yadav  
Mr. Gaurav Kumar Singh  
Ms. Sukriti

### Organizing Committee (Student)

Kritik Gupta  
Navjot Kaur  
Md. Kaif Naseem  
Srijaya Banerjee

## Convener & Co- Convener

### Dr. Shalini Swami

Convener & Organizing Secretary  
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### Dr. Pratik Kumar

Co- Convener  
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### Dr. Vikas Kumar

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