



PALEO ECR INDIA

EST. 2 OCTOBER 2025



— YEAR IN REVIEW

Annual Report

2025–26

Our first year
October 2025 to October 2026

500+

members

13

countries

12

talks

414

opportunities shared



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01

Message from the Founding President

A note on our first year



Dr. Arvind Shukla

Founding President,
Paleo ECR India
Postdoctoral Fellow,
The Hebrew University of
Jerusalem, Israel

Paleo ECR India was founded on **2 October 2025** with a simple idea: early-career researchers should not have to navigate the journey alone. We envisioned a community that could bring together young researchers across the diverse fields of the paleosciences, such as Paleooceanography, Paleoclimatology, Paleogeography, Paleoecology, Paleobiology, Paleoenvironment, and Paleotectonics, creating opportunities to connect, learn, share experiences, collaborate, and grow together.

Looking back at our first year, I feel immensely proud of what we have built together. Our talk series created a space for scientific exchange and interaction with researchers across different institutions and career stages. We also worked to regularly share fellowships, conferences, jobs, and other opportunities. Most importantly, our community has grown to more than 500 ECRs, demonstrating the strength and enthusiasm of the paleoscience community.

This journey would not have been possible without the dedication of our Mentors and Working Team members. I sincerely thank all our speakers, volunteers, and every member who joined us, participated in our activities, shared opportunities, and supported this initiative. Paleo ECR India is truly a collective effort, and its growth belongs to all of us.

As we begin 2026-27, I hope we can make this community even more active, inclusive, and collaborative. I invite every member to contribute ideas, participate in our initiatives, and help us reach more ECRs across India. Let us continue to learn from one another, create opportunities, and grow together.

“When we connect researchers, we create opportunities; when we work together, we strengthen the future of paleosciences”

—Dr. Arvind Shukla, Founding President

02

About Paleo ECR India

Connecting Early Career Researchers in Paleosciences

Paleo ECR India brings together early-career researchers of Indian origin who work in the paleosciences worldwide. Founded on 2 October 2025, it provides ECRs with a place to share ideas, present their work, and find collaborators.

Who is an ECR?

Anyone within 10 years of completing their highest degree, or under 40 years of age: PhD students, postdoctoral researchers and early-stage faculty.

Fields we cover

- Paleooceanography
- Paleoclimatology
- Paleoenvironment
- Paleoecology
- Paleogeography
- Paleotectonics.

How we work

Led by the Founding President, and run day to day by a 12-member Working Team of ECRs.

What we do

- **Saturday Talk Series:** online talks by experts and ECRs, with recordings on our YouTube channel.
- **Opportunities:** PhD, postdoc, job and conference announcements shared in the WhatsApp group.
- **Visibility:** members' papers and research highlights promoted on LinkedIn and Instagram.
- **Community:** a WhatsApp group of more than 500 early-career researchers.

Our vision

Our vision is to build a strong, supportive and inclusive network of early-career paleoscientists of Indian origin, working in India and across the world. We aim to promote collaboration, knowledge exchange, and professional growth, so that every member has a platform and opportunities to share their work and grow in their careers. Together, we hope to build a vibrant community that helps shape the future of paleoscience research.

03

Our First Year at a Glance

The numbers and milestones that shaped 2025–26

550+

members in the community

5

expert talks

7

ECR talks

414

opportunities shared

1

magazine feature

1,600+

YouTube views

Milestones

2 October 2025	Paleo ECR India is founded
27 December 2025	First talk of the Saturday Talk Series
April 2026	Community crosses 500 members
April 2026	Featured in Quaternary Chronicles, Vol. 8, No. 1
September 2026	Working Team 2026-2027 announced
10 October 2026	First Annual Day and Anniversary Special Talk

Paleo ECR India

Saturday Talk Series
Meet Our Speaker 



Dr. Upasana Banerji
Paleoclimatologist

Title: Abrupt Climatic Events (ACE) of the Holocene Epoch and the Indian Summer Monsoon

Date: 27th December, 2025
Time: 12:00 PM IST
Platform: MST ([click here](#))

Talk Info:

The abrupt climatic events (ACEs) of the Holocene epoch, such as the 8.2 ka, 4.2 ka, etc., have exerted a key influence on the quasi-temporal variability of the Indian Summer Monsoon (ISM), but the response of the ISM towards these ACEs remains elusive. The present talk aims to explore how the ISM responded to globally recognised ACEs during the Holocene that caused punctuations and/or rapid reorganisations of hydroclimatic conditions, as captured by natural records/archives

Connecting Early Career Researchers in Palaeosciences

For guest information, reach us at palaeoecrindia2025@gmail.com
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First talk · 27 Dec 2025

[illegible]

Quaternary Chronicles · Apr 2026

[illegible]

Working Team 2026-27 · Sep 2026

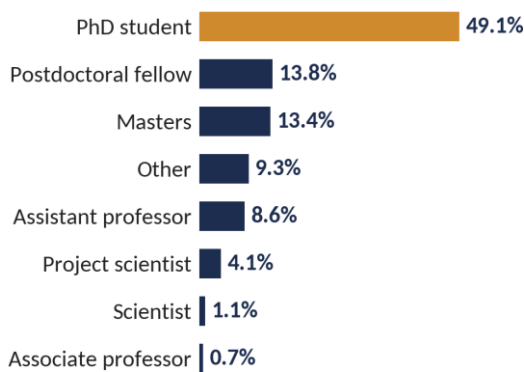
04

Our Community

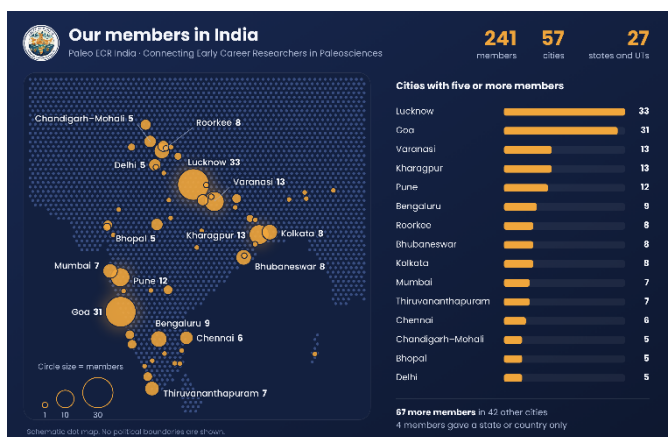
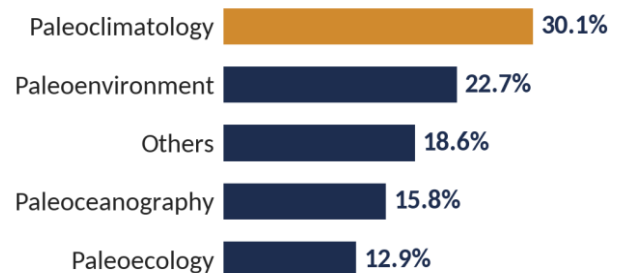
Who our members are and where they work

Since its founding on 2 October 2025, Paleo ECR India has grown into a community of more than 500 early-career researchers working across diverse fields of the paleosciences. Our members represent different academic backgrounds, career stages, institutions, and research interests, united by a shared curiosity about Earth’s past. This section provides a snapshot of our community. Paleo ECR India began as a network for researchers of Indian origin, wherever they work. One year on, the 268 members (registered) who shared their location are spread across 82 cities in 13 countries, from Goa to Göttingen and from Lucknow to Melbourne.

Academic stage of members



Primary field of research



05

Talk Series

From seasoned experts to rising researchers

The Paleo ECR India Talk Series brings together **two complementary formats**: talks by early career researchers and invited expert talks. Our ECR talks provide a platform for young researchers to present their work, increase the visibility of their research, connect with peers, and reach a wider scientific audience. Alongside these, our expert talks feature established researchers who share their scientific expertise, research journeys, and perspectives with the community.

Over the year, the series has created opportunities for scientific exchange across institutions, disciplines, and career stages, with an average attendance of 65 participants per session. Recordings of selected talks are available on our YouTube channel, extending their reach beyond the live audience and making them accessible to the wider paleoscience community.

5

expert talks

7

ECR talks

800

total attendees

1,600+

YouTube views

Expert and ECR talks

No.	Date	Speaker	Designation	Affiliation	Title of the talk
1	27 Dec 2025	Dr. Upasana Banerji	Paleoclimatologist	Dharamshala, Himachal Pradesh, India	<i>Abrupt Climatic Events (ACE) of the Holocene Epoch and the Indian Summer Monsoon</i>
2	17 Jan 2026	Dr. Partha Sarathi Jena	Postdoctoral Researcher	Shantou University, China	<i>Centennial-scale intensifications of the Atlantic Meridional Overturning Circulation during Heinrich Stadial 1</i>
3	31 Jan 2026	Dr. Rakesh Kumar Rout	Postdoctoral Fellow	Ariel University, Ariel, Israel	<i>Pyrite oxidation in the northwestern Himalayan Rivers: Sulfur and oxygen isotopic evidence for a long-term CO₂ source</i>

No.	Date	Speaker	Designation	Affiliation	Title of the talk
4	7 Mar 2026	Dr. Shubham Tripathi	Principal Project Associate	Sophisticated Analytical & Technical Help Institute (SATHI), BHU, India	<i>Measuring Past Ocean Temperature Variability: Techniques and Uncertainties</i>
5	21 Mar 2026	Dr. Himadri Saini	Postdoctoral Research Fellow	University of Melbourne, Australia	<i>Ocean circulation and Ice sheet controls on Australian Hydroclimate</i>
6	11 Apr 2026	Dr. Barnita Banerjee	Scientist D	CSIR-NGRI, India	<i>Southern whispers in the Northern sea: Paleo productivity and Climate linkages in the Bay of Bengal</i>
7	9 May 2026	Dr. Mahadev Rawat	Project Scientist	Borehole Geophysics Research Laboratory, Ministry of Earth Sciences, Karad, Maharashtra	<i>Illuminating the Past: Applications of OSL Dating in Quaternary Geoscience</i>
8	30 May 2026	Dr. Ankit Yadav	Assistant Professor	Faculty of Geoscience and Geography, University of Goettingen, Germany	<i>Beyond the smoke: decoding and unravelling biomass burning signatures in environmental archives</i>
9	27 Jun 2026	Mr. Madhav Prasad Mishra	Research Scholar	Birbal Sahni Institute of Palaeosciences, Lucknow	<i>Black Carbon / Soot: An Important Climatic Forcer</i>
10	27 Jul 2026	Dr. Yama Dixit	Associate Professor	Centre for Atmospheric Sciences, IIT Delhi	<i>Holocene abrupt climate changes</i>
11	16 Aug 2026	Dr. Sourav Mukhopadhyay	Assistant Professor	Archaeological Science Group, Department of History, Captain Williamson Sangma State University, Tura, Meghalaya, India	<i>The Toba Supereruption and Human Prehistory: Current Debates, Challenges, and Future Directions</i>

No.	Date	Speaker	Designation	Affiliation	Title of the talk
12	6 Sep 2026	Dr. Kumar Batuk Joshi	Assistant Professor	Department of Geology, Central University of Himachal Pradesh, Kangra, India	<i>Zircon Detectives: Decoding Source to Sink</i>

Moments from the series

Paleo ECR India

Saturday Talk Series

Meet Our Speaker

Dr. Upasana Banerji
Paleoclimatologist

Title: Abrupt Climatic Events (ACE) of the Holocene Epoch and the Indian Summer Monsoon

Date: 27th December, 2025
Time: 12:00 PM IST
Platform: MST ([click here](#))

Talk Info:
The abrupt climatic events (ACEs) of the Holocene epoch, such as the 8.2 ka, 4.2 ka, etc., have exerted a key influence on the spatio-temporal variability of the Indian Summer Monsoon (ISM), but the response of the ISM towards these ACEs remains elusive. The present talk aims to explore how the ISM responded to globally recognised ACEs during the Holocene that caused punctuations and/or rapid reorganisations of hydroclimatic conditions, as captured by natural records archives

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Paleo ECR India

Saturday Talk Series

Meet Our Speaker

Dr. Partha Sarathi Jena
Postdoctoral Researcher
Shantou University, China

Title: Centennial-scale intensifications of the Atlantic Meridional Overturning Circulation during Heinrich Stadial 1

Date: 17th January, 2026
Time: 12:00-13:00 IST
Platform: MST ([click here](#))

Talk Info:
This talk will present new evidence for centennial-scale intensifications of the Atlantic Meridional Overturning Circulation (AMOC) during Heinrich Stadial 1 and discuss the climatic consequences of these events, with particular emphasis on impacts on South American precipitation and atmospheric CO₂ changes.

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Paleo ECR India

Saturday Talk Series

Meet Our Speaker

Dr. Rakesh Kumar Rout
Postdoctoral Fellow
Ariel University, Ariel, Israel

Title: Pyrite oxidation in the northwestern Himalayan Rivers: Sulfur and oxygen isotopic evidence for a long-term CO₂ source

Date: 31st January, 2026
Time: 12:00-13:00 IST
Platform: MST ([click here](#))

Talk Info:
This talk will emphasize the stable sulfur and oxygen isotopes of dissolved sulfate as a robust tool for estimating the CO₂ flux through an overlooked surface process (pyrite oxidation) in the northwestern Himalayan River basins. Pyrite oxidation generates sulfuric acid, which, upon reaction with carbonates, releases CO₂ to the atmosphere. These pathways counterbalance the CO₂ drawdown of silicate weathering. Inverse modeling estimations have revealed that the CO₂ release rate is about twice the uptake rate for these Himalayan rivers. This new observation, therefore, calls for a re-evaluation of the role of Himalayan weathering in regulating global Cenozoic cooling.

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Paleo ECR India

Saturday Talk Series

Meet Our Speaker

Dr. Shubham Tripathi
Principal Project Associate
Sophisticated Analytical & Technical Help Institute (SATHI), BHU, India

Title: Measuring Past Ocean Temperature Variability: Techniques and Uncertainties

Date: 7th March, 2026
Time: 12:00-13:00 IST
Platform: MST ([click here](#))

Talk Info:
This talk will focus on the various methods used for paleotemperature reconstruction and the significance of temperature measurements in climatology. It will provide an overview of different temperature proxies, highlighting their advantages, limitations, and appropriate applications. The presentation will also address critical considerations in trace metal measurements to ensure analytical accuracy and reliability. In addition, it will discuss Mg/Ca variability in the eastern Arabian Sea during the Mid-Pleistocene Transition and its implications for past climate variability.

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Paleo ECR India

Saturday Talk Series

Meet Our Speaker

Dr. Himadri Saini
Postdoctoral Research Fellow
University of Melbourne, Australia

Title: Ocean circulation and Ice sheet controls on Australian Hydroclimate

Date: 21st March, 2026
Time: 12:00-13:00 IST
Platform: MST ([click here](#))

Talk Info:
This talk explores how large-scale ocean circulation and polar ice sheets influence rainfall in Australia. Although Australia's climate is strongly affected by processes occurring in distant parts of the global oceans, the mechanisms linking these large-scale climate shifts to regional rainfall remain poorly understood. Using Earth system models, past climates are simulated as natural experiments to investigate these links. These experiments help reveal how drivers such as changes in the Atlantic Meridional Overturning Circulation and polar ice sheets reorganize global climate systems and influence Australian rainfall.

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Paleo ECR India

Saturday Talk Series

Meet Our Speaker

Dr. Barnita Banerjee
Scientist D, CSIR-NGRI, India

Title: Southern whispers in the Northern sea: Paleo productivity and Climate linkages in the Bay of Bengal

Date: 11th April, 2026
Time: 12:00-13:00 IST
Platform: MST ([click here](#))

Talk Info:
This talk presents an integrated study of organic-inorganic geochemistry and micropaleontology from western Bay of Bengal (ODP U1446, offshore Mahanadi basin) for a time of last ~1.3 Ma to decipher productivity changes and characterize the organic matter input in the region. Overall, productivity proxies show a shift towards higher values post MPT. The variability in the productivity proxies shows that stronger Indian monsoon post MPT created stronger stratification during interglacials leading to lower biological productivity in the region. The stronger glacial post MPT induced convective mixing resulting in high nutrients and the glacial monsoonal event owing to Southern Hemispheric (SH) forcing further added nutrient to the study site enhancing productivity in the glacial period. The high glacial-interglacial variability was primary factor responsible for the shift in marine productivity across the MPT.

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Moments from the series

Paleo ECR India

Saturday Talk Series

Meet Our Speaker

Dr. Mahadev Rawat
Project Scientist
Borehole Geophysics Research Laboratory,
MoES, Karad, Maharashtra

Title: Illuminating the Past: Applications of OSL Dating in Quaternary Geoscience
Date: 9th May, 2026
Time: 12:00-13:00 IST
Platform: [MST \(click here\)](#)

Talk Info:

This talk will introduce the principles and applications of Optically Stimulated Luminescence (OSL) dating for establishing sediment chronologies. It will highlight how OSL is used to reconstruct fluvial dynamics, paleo-flood events, and landscape evolution in response to climate and tectonics. Case studies from Indian river systems will demonstrate its effectiveness in constraining Late Quaternary processes. The talk will also discuss methodological challenges, uncertainties, and recent advances in OSL techniques. Overall, it aims to provide a comprehensive perspective on using luminescence dating in Earth surface research.

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Paleo ECR India

Saturday Talk Series

Meet Our Speaker

Dr. Ankit Yadav
Assistant Professor
Faculty of Geoscience and Geography,
University of Goettingen, Germany

Title: Beyond the smoke: decoding and unravelling biomass burning signatures in environmental archives
Date: 30th May, 2026
Time: 12:00-13:00 IST
Platform: [MST](#)

Talk Info:

Accurate interpretation of biomass burning signals in environmental archives relies on the reliable identification of molecular tracers. Monosaccharide anhydrides such as levoglucosan, mannosan, and galactosan are widely used to reconstruct past fire activity and understand fire dynamics. However, their identification is often affected by isomeric misassignments due to similar physicochemical properties, leading to inaccurate source apportionment and flawed fire interpretations. Accurate isomeric assignments using targeted mass-spectrometric approaches enable clear differentiation of these compounds, ensuring that diagnostic ratios such as LM and MG reliably reflect combustion sources from grasses, hardwoods, or crop residues, thereby improving reconstructions of past fire regimes and anthropogenic influences.

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Paleo ECR India

Saturday Talk Series

Meet Our Speaker

Mr. Madhav Prasad Mishra
PhD Student
Birbal Sahni Institute of Palaeosciences
(BSIP), Lucknow

Title: Black Carbon / Soot: An Important Climatic Forcer
Date: 27th June, 2026
Time: 12:00-13:00 IST
Platform: [MST](#)

Talk Info:

Black Carbon/Soot is the second most important anthropogenic climatic forcer. It is a short-lived climatic forcer and acts as a significant sink in the global carbon cycle. Although it is very small in size, it can affect the heat budget of the Earth by absorbing solar radiation, causing global warming and climate change. These small, notorious, and mysterious soot particles can be characterised and studied using various proxies, including geochemical and biomolecular tracers and non-destructive techniques such as NMR, SEM-EDX, and Raman. So it is very important to understand these soot/black carbon/pyrogenic particles, which are being released into our atmosphere from various sources (biomass and fossil burning), both natural (wildfires) and anthropogenic.

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Paleo ECR India

Special Talk

Meet Our Speaker

Dr. Yama Dixit
Associate Professor
Centre for Atmospheric Sciences,
IIT Delhi

Title: Holocene abrupt climate changes
Date: 27th July, 2026
Time: 4 PM IST
Platform: [MST](#)

Talk Info:

This talk will focus on abrupt climate events that occurred on the background stable state of the Holocene epochs. Evidence will be drawn from various paleoclimate archives to understand the impact across the globe. Causes and mechanisms of propagation of these abrupt climate changes will also be discussed.

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Paleo ECR India

Saturday Talk Series

Meet Our Speaker

Dr. Sourav Mukhopadhyay
Assistant Professor
Archaeological Science Group:
Department of History, Captain Williamson
Sangma State University, Tura,
Meghalaya, India

Title: The Toba Supereruption and Human Prehistory: Current Debates, Challenges, and Future Directions
Date: 16th August, 2026
Time: 11:00-12:00 IST, Platform: [MST](#)

Talk Info:

The ~74 ka Toba supereruption is one of the most significant volcanic events in human prehistory, with far-reaching implications for climate, environments, and early human populations. This lecture explores the latest geological and archaeological evidence, highlighting ongoing debates surrounding the volcanic winter hypothesis and human resilience. It also discusses key methodological challenges and emerging research directions that are reshaping our understanding of the relationship between catastrophic environmental events and human adaptation.

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Paleo ECR India

Expert Talk

Meet Our Speaker

Dr. Kumar Batuk Joshi
Assistant Professor
Department of Geology, Central University
of Himachal Pradesh, Kangra, India

Title: Zircon Detectives: Decoding Source to Sink
Date: 6th September, 2026
Time: 11AM-12PMIST
Platform: [MST](#)

Talk Info:

Over the past few decades, advances in high-resolution imaging and in situ analytical techniques have transformed U-Pb zircon geochronology, enabling detailed investigation of zircon age, internal structure, and geochemical characteristics. The widespread occurrence and remarkable preservation potential of zircon in igneous, metamorphic, and sedimentary rocks have made it an invaluable tool for reconstructing geological processes. Consequently, zircon U-Pb data are increasingly used to constrain provenance, depositional ages, tectonic settings, drainage evolution, crustal growth, and recycling. In particular, detrital zircon age spectra provide a powerful means of tracing sediment sources and reconstructing source-to-sink relationships, offering valuable insights into the evolution of sedimentary systems. This talk will highlight the role of detrital zircons as provenance tracers and discuss their limitations.

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Paleo ECR India

Special Talk

ANNIVERSARY SPECIAL

Prof. Sunil Kumar Singh
Director, CSIR-National Institute of Oceanography, Goa

Talk Title
Past and Present Circulation Dynamics of the Indian Ocean

Date
10 October 2026
Time
11:00 AM IST
Platform
Online - Microsoft Teams

All are welcome
paleoecrindia.com

HIGHLIGHT OF THE YEAR

Anniversary Special Talk

Paleo ECR India marks its first Annual Day with a special talk by Prof. Sunil Kumar Singh, Director, CSIR-National Institute of Oceanography, Goa.

Past and Present Circulation Dynamics of the Indian Ocean

Saturday, 10 October 2026 · 11:00 AM IST · Online, Microsoft Teams

06

Opportunities Shared

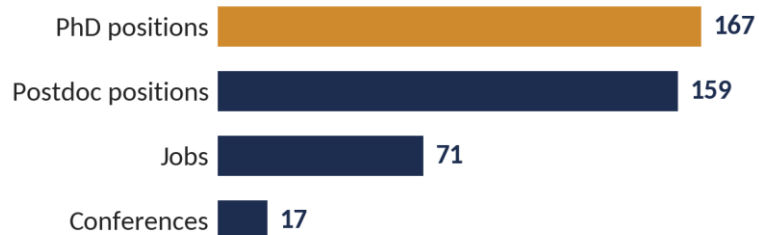
Pathways for early career researchers

Throughout the year, Paleo ECR India regularly shared **PhD positions, postdoctoral fellowships, research and academic jobs, conferences, workshops, grants, and other opportunities** with our community through our WhatsApp group and digital platforms. By bringing relevant opportunities directly to ECRs, we aim to reduce information gaps and ensure that our members have timely access to opportunities that can support their academic and professional journeys.

We also welcome **researchers, institutions, laboratories, universities, and organisations** to share relevant opportunities with the Paleo ECR India community. If you would like to advertise a PhD position, postdoctoral opportunity, job opening, conference, workshop, fellowship, or other ECR-relevant opportunity, please contact us at paleoeocrindia2025@gmail.com. We are happy to help connect opportunities with the wider paleoscience community.

414

opportunities shared in our first year



Success stories

“I found good collaborators in the USA.”

— Achuthan K B, PhD Scholar

How we share

Opportunities are shared through our **WhatsApp community, LinkedIn posts, and Instagram posts and stories**, with dedicated Opportunity Alert flyers created to make important openings easy to notice and share. Where appropriate, opportunities are also circulated by email to ensure they reach members through multiple channels. A few examples of our Opportunity Alert flyers are featured below.

07

Outreach and Digital Presence

Where the community meets online

Paleo ECR India stays connected with its members and the wider paleoscience community through WhatsApp, LinkedIn, Instagram and YouTube. The WhatsApp group is the main space for sharing information about conferences, workshops, jobs, and research opportunities. LinkedIn and Instagram carry our research highlights, and we reshare opportunities on Instagram. Recordings of our talks are uploaded to YouTube, so anyone can watch them later.

500+

WhatsApp members

350+

LinkedIn followers

100+

Instagram followers

100+

YouTube subscribers

Promoting our members' research

We are committed to celebrating and amplifying the research contributions of our members. Throughout the year, we highlighted members' newly published research through publication highlight posters on LinkedIn and Instagram, helping their work reach a wider audience, increase visibility within the paleoscience community, and encourage greater engagement with their research.

If you would like us to highlight your research article, publication, or other scientific work, please feel free to reach out to us at paleoecrindia2025@gmail.com. We would be happy to help share your work with the wider community.

Visit our new website: paleoecrindia.com

Talk recordings, member research highlights, our team, this report and the membership form.



Paleo ECR India

Our Publication Highlights

Research by Paleo ECR India community members

6

PUBLICATIONS FEATURED
FROM OUR COMMUNITY

PALEO ECR INDIA
Connecting Early Career Researchers in Paleosciences

Publication Highlight | 2026 | #01

The 8.2 Ka Abrupt Climate Event: Causes, Impacts and Future Implications
Published in: *Quaternary Science Reviews* (2026) March 2026, Volume 318, Pages 108292–108308
Authors: Aakanksha Kumari and Anand Rajoriya
DOI: 10.1016/j.quascirev.2025.108292

About the Study
The 8.2 ka abrupt climate event, a rapid cooling of ~3–5°C, is a key event in the last glacial period. This study explores the mechanisms behind this event, including the role of meltwater pulses and solar activity. The research highlights the potential for future abrupt climate changes and the importance of understanding past events to predict future climate behavior.

Key Highlights
• The study provides a comprehensive overview of the 8.2 ka event, including its causes, impacts, and future implications.
• The research highlights the role of meltwater pulses and solar activity in the event.
• The study emphasizes the importance of understanding past events to predict future climate behavior.

Aakanksha Kumari
Quaternary Science Reviews · Mar 2026

PALEO ECR INDIA
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Publication Highlight | 2026 | #02

Characterization of the eastern Himalayas: Paleogeographic and paleoclimatic insights from the Bhang Valley, India
Published in: *Quaternary Science Reviews* (2026) March 2026, Volume 318, Pages 108309–108325
Authors: Shashank Nitundil and Anand Rajoriya
DOI: 10.1016/j.quascirev.2025.108309

About the Study
This study focuses on the eastern Himalayas, a region of significant tectonic and climatic importance. The research explores the paleogeographic and paleoclimatic conditions of the region, providing insights into the evolution of the Himalayas and the Indian subcontinent.

Key Highlights
• The study provides a detailed characterization of the eastern Himalayas, including its tectonic and climatic history.
• The research highlights the importance of the Bhang Valley in understanding the evolution of the Himalayas.
• The study emphasizes the role of paleogeographic and paleoclimatic data in reconstructing the history of the region.

Shashank Nitundil
Quaternary Science Reviews · May 2026

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Publication Highlight | 2026 | #03

Changes in physical environment driven by increased variability and associated oceanographic conditions since the Last Glacial Maximum in the eastern Arabian Sea
Published in: *Marine Micropaleontology* (2026) March 2026, Volume 200, Pages 100000–100015
Authors: Jeet Majumder and Anand Rajoriya
DOI: 10.1016/j.micropal.2025.100000

About the Study
This study examines the changes in the physical environment of the eastern Arabian Sea since the Last Glacial Maximum (LGM). The research explores the impact of increased variability and associated oceanographic conditions on the region's climate and ecosystems.

Key Highlights
• The study provides a comprehensive overview of the changes in the physical environment of the eastern Arabian Sea since the LGM.
• The research highlights the impact of increased variability and associated oceanographic conditions on the region's climate and ecosystems.
• The study emphasizes the importance of understanding past events to predict future climate behavior.

Jeet Majumder
Marine Micropaleontology · Mar 2026

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Publication Highlight | 2026 | #04

Tracking the Holocene State Variability of Deep Water Circulation and Rhinogone Influence in the Arabian Sea
Published in: *Journal of Marine Research* (2026) March 2026, Volume 100, Pages 100000–100015
Authors: Arvind Shukla and Anand Rajoriya
DOI: 10.1016/j.jmr.2025.100000

About the Study
This study focuses on the Holocene state variability of deep water circulation in the Arabian Sea. The research explores the influence of the Rhinogone on the region's climate and ecosystems, providing insights into the evolution of the Arabian Sea and the Indian subcontinent.

Key Highlights
• The study provides a detailed tracking of the Holocene state variability of deep water circulation in the Arabian Sea.
• The research highlights the influence of the Rhinogone on the region's climate and ecosystems.
• The study emphasizes the importance of understanding past events to predict future climate behavior.

Arvind Shukla
Journal of Marine Research · Mar 2026

PALEO ECR INDIA
Connecting Early Career Researchers in Paleosciences

Publication Highlight | 2026 | #05

Using Holocene monsoon-driven variability in sedimentary organic matter and biogeochemical processes from the Arabian Sea, Central Indian Ocean, India
Published in: *Journal of Marine Research* (2026) March 2026, Volume 100, Pages 100016–100031
Authors: Anand Rajoriya and Arvind Shukla
DOI: 10.1016/j.jmr.2025.100016

About the Study
This study focuses on the Holocene monsoon-driven variability in sedimentary organic matter and biogeochemical processes in the Arabian Sea and Central Indian Ocean. The research explores the impact of the monsoon on the region's climate and ecosystems, providing insights into the evolution of the Indian subcontinent and the surrounding oceans.

Key Highlights
• The study provides a detailed overview of the Holocene monsoon-driven variability in sedimentary organic matter and biogeochemical processes.
• The research highlights the impact of the monsoon on the region's climate and ecosystems.
• The study emphasizes the importance of understanding past events to predict future climate behavior.

Anand Rajoriya
Journal of Marine Research · May 2026

PALEO ECR INDIA
Connecting Early Career Researchers in Paleosciences

Publication Highlight | 2026 | #06

Continental-scale intensification of the Atlantic Meridional Overturning Circulation during Heinrich Stadial 1
Published in: *Journal of Marine Research* (2026) March 2026, Volume 100, Pages 100032–100047
Authors: Partha Sarathi Jana and Anand Rajoriya
DOI: 10.1016/j.jmr.2025.100032

About the Study
This study focuses on the continental-scale intensification of the Atlantic Meridional Overturning Circulation (AMOC) during Heinrich Stadial 1 (HS1). The research explores the impact of HS1 on the region's climate and ecosystems, providing insights into the evolution of the Atlantic Ocean and the surrounding continents.

Key Highlights
• The study provides a detailed overview of the continental-scale intensification of the AMOC during HS1.
• The research highlights the impact of HS1 on the region's climate and ecosystems.
• The study emphasizes the importance of understanding past events to predict future climate behavior.

Partha Sarathi Jana
Journal of Marine Research · May 2026

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Talks, recordings, research highlights, our team and the membership form, all in one place.

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In the Spotlight

Paleo ECR India in Quaternary Chronicles

In April 2026, Quaternary Chronicles (Vol. 8, No. 1), the magazine of the Association of Quaternary Researchers, featured Paleo ECR India in an article titled “Building a Global Network for Early Career Paleoscientists”. The feature covered our vision, the Talk Series and the team behind the community, bringing wider visibility to the group among paleoscience and Quaternary researchers.

Quaternary Chronicles
Happenings in the Sub-continent

Building a Global Network for Early Career Paleoscientists
The Vision and Community of Paleo ECR India

The paleoscience community has grown significantly in recent decades, with early career researchers (ECRs) playing an increasingly important role in advancing our understanding of Earth's past. Recognising the need for a dedicated platform to connect and support these researchers, Paleo ECR India was founded on 2 October 2025. The initiative aims to bring together early-career researchers of Indian origin working in paleosciences worldwide and to promote collaboration, knowledge exchange, and professional development.

Paleo ECR India defines an Early Career Researcher as someone who is within 10 years of completing their highest academic degree or is under 40 years old. This includes PhD students, postdoctoral researchers, and early-stage faculty members working across paleoscience disciplines, including Paleoclimatology, Paleoecology, Paleogeography, and Paleotectonics. The primary objective of the initiative is to create a supportive academic network where researchers can share ideas, present their work, and explore collaborative opportunities.

One of the key activities of Paleo ECR India is organising an online Talk Series in which ECRs present their research and discuss emerging scientific questions in paleosciences. In addition to the talk series, the community regularly circulates information about conferences, workshops, research opportunities, and job opportunities relevant to paleoscience researchers on national and international platforms.

The initiative is led by Dr. Arvind Shukla (Postdoctoral Fellow, The Hebrew University of Jerusalem, Israel) as the Founding President of Paleo ECR India. The community follows a collaborative structure that includes seven Core Founding Members, who serve in an advisory role and guide the initiative's development, and a 12-member Working Member team of ECRs who support the day-to-day functioning of the community.

The working team helps organise the talk series, coordinates with speakers, manages communication platforms, and supports outreach activities, ensuring that responsibilities are shared among motivated early-career researchers. Paleo ECR India also maintains an active presence across several digital platforms to strengthen communication and engagement within the community. A WhatsApp group with more than 500 ECRs serves as a dynamic space where members share information about conferences, workshops, job and research opportunities, and collaborations. The community is also active on LinkedIn and Instagram, where updates about seminars, research highlights, and community activities are regularly posted. In addition, the community runs a YouTube channel where recordings of the Saturday Talk Series and other academic discussions are uploaded, allowing wider access to these talks. By bringing early career researchers together, Paleo ECR India is helping build a vibrant global community dedicated to understanding Earth's past and shaping future paleoscience research.

Reach us at
paleoecrindia2025@gmail.com

Page 23 quatchron@gmail.com Vol. 8 No. 1 April 2026

Courtesy: Quaternary Chronicles, Vol. 8, No. 1, April 2026 (Association of Quaternary Researchers)

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Member Voices and Achievements

What the community means to its members

“I improved my speaking and presentation skills through various academic opportunities.”

— Madhav Prasad Mishra, PhD Scholar, BSIP

“I got the opportunity to present my research in the Paleo ECR India Saturday Talk Series.”

— Dr. Rakesh Kumar Rout, Postdoctoral Fellow

“I improved my networking skills by connecting with and learning from people in the field.”

— Bhakti Shah, PhD Scholar, Working Team Member

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Our Team

The people behind Paleo ECR India

Current Working Team (2026–27)

Paleo ECR India · Working Team 2026–2027

hello, community!



Dr. Arvind Shukla



Shikha Dixit



Dr. Prachita Arora



Bhakti Shah



Shivam Sundram



MEET THE TEAM

the people digging into the past



Aakanksha Tiwari



Viplove Rajurkar



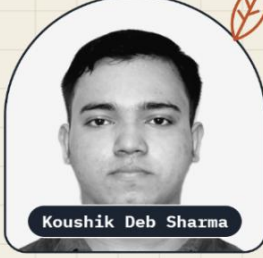
Dr. Sreya Sengupta



Madhav Prasad Mishra



Niharika Panigrahi



Koushik Deb Sharma



Harddik Abhinandan

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SWIPE →

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Working Team 2025–26

Paleo ECR India · Working Team 2025–26

hello, community!

MEET THE TEAM

the people digging into the past

SWIPE →

Dr. Arvind Shukla
EVENT COORDINATION
Hebrew University, Israel

Adhra Renny
OUTREACH
BSIP, Lucknow

Anubhav Singh
MEMBERSHIP
IIT, Delhi

Shikha Dixit
EVENT COORDINATION
CSIR-NGRI, Hyderabad

Gouripriya S Menon
DOCUMENTATION
Uppsala University, Sweden

Nihal Ansari
DOCUMENTATION
NCESS, Trivandrum

Soumyashree Behera
OUTREACH
IISER, Mohali

Harddik Abhinandan
MEMBERSHIP
IISER, Bhopal

Bhanu Priya
EVENT COORDINATION
IIISc, Bangalore

Avirajsinh Jadav
MEMBERSHIP
NCPOR, Goa

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ZMT, Germany

Dr. Sreya Sengupta
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Looking Ahead: 2026–27

Our plans for the second year

Our first year was about building the foundation; our second year is about strengthening it and reaching further. In 2026–27, we aim to make Paleo ECR India more accessible, active, and valuable to the wider early career paleoscience community, while creating more opportunities for members to connect, learn, and collaborate.

We will focus on expanding our community and strengthening our outreach to reach more early-career researchers across India and create greater visibility for their research, achievements, and opportunities. Our digital platforms will continue to serve as important spaces for communication, scientific engagement, and community building.

Our Talk Series will also evolve to include a wider range of learning opportunities. Alongside ECR and expert research talks, we plan to introduce additional instrumental, analytical, technical, and methodological sessions to provide practical knowledge and skills that support researchers in their day-to-day scientific work.

Most importantly, we want 2026-27 to be a year of greater participation, collaboration, and collective growth. We invite every member to contribute ideas, share their expertise, participate in our initiatives, and help shape the next chapter of Paleo ECR India.

Get involved

Paleo ECR India is a community built by and for early career researchers, and its future depends on the ideas, participation, and contributions of its members. Whether you would like to give a talk, share an opportunity, highlight your research, contribute to outreach, volunteer with the team, or suggest a new initiative, there is a place for you in the community.

If you have an idea or would like to contribute, reach out to us at paleoecrindia2025@gmail.com and be part of shaping the next chapter of Paleo ECR India.

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Acknowledgements

With thanks to everyone who made the first year possible

The first year of Paleo ECR India has been made possible by the generosity, time, enthusiasm, and continued support of many individuals and organisations. We are deeply grateful to everyone who contributed to building and strengthening this community.

- **Our speakers:** We sincerely thank all our expert and early-career researcher speakers who shared their research, knowledge, experiences, and career journeys with our community. Their willingness to engage with ECRs has been central to the success of our Talk Series.
- **Our Mentors:** Our Mentors are the founding members who guide the vision and growth of Paleo ECR India and support our early career researchers along the way. We extend our sincere gratitude to **Dr. Sudheer Bhadra, Dr. Pradyumna Singh, Dr. Jeet Mazumdar, Dr. Deepak Kumar Jha, Dr. Sayed Azharuddin, Dr. Upasana Banerji, and Dr. Partha Sarathi Jena** for their guidance, ideas, constructive discussions, and continued support in shaping the vision and foundation of Paleo ECR India.
- **Working Team:** We are grateful to our Working Team members, who generously volunteered their time and efforts throughout the year. From organising talks and coordinating activities to sharing opportunities, managing communications, and supporting our digital platforms, their contributions have kept the community moving forward.
- **Partners and supporters:** We thank the Association of Quaternary Researchers and Quaternary Chronicles for featuring Paleo ECR India and helping us extend our reach. We are also grateful to the institutions, networks, and individuals who supported, promoted, and encouraged our initiatives during the year.
- **Our members:** Above all, we thank every member of the Paleo ECR India community. Your participation, questions, discussions, research, ideas, and willingness to share opportunities are what give this community its purpose and energy. Paleo ECR India exists because of its members, and its future will continue to be shaped by them.

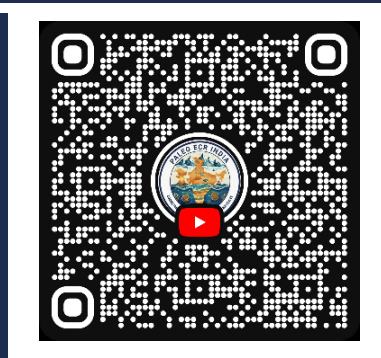
JOIN US

Be part of the community

Give a talk, share an opportunity or join the Working Team. Scan the code below or write to us.



Register here as a Member



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