



**SHRI RAWATPURA SARKAR UNIVERSITY  
RAIPUR (C.G.)**

**“Integrating Sustainable Sciences with  
Indian Knowledge System”  
(ISSIKS-2026)  
HYBRID MODE**

**March 19 - 20, 2026**

**Proceeding of the National Conference  
(A Collection of Conference Abstracts)**

**Editors**

Dr. R.P.Rajwade  
Dr. Anubhuti Koshle  
Dr. Rupal Purena  
Dr. Prashanta Kumar Mitra  
Dr. Adwaita Das

Organized by

**Faculty of Science**

Shri Rawatpura Sarkar University  
Under the Aegis of Internal Quality Assurance Cell (IQAC)

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**Shri Rawatpura Sarkar University**

**Raipur, Chhattisgarh, India**

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# **Integrating Sustainable Sciences with Indian Knowledge System**

Year : **2026**

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## **Editors**

**Dr. R.P. Rajwade**

**Dr. Anubhuti Koshle**

**Dr. Rupal Purena**

**Dr. Prashant Kumar Mitra**

**Dr. Adwaita Das**

Shri Rawatpura Sarkar University

Raipur, Chhattisgarh, India

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### **Message from Chancellor**

I am profoundly happy to learn that Faculty of Science, Shri Rawatpura Sarkar University, Raipur is organizing the National Conference on “Integrating Sustainable Sciences with Indian Knowledge System” (ISSIKS-2026) 19 – 20th March 2026

This conference reflects our commitment to harmonizing modern scientific advancements with the rich heritage of Indian knowledge traditions. I am confident that this platform will foster meaningful discussions, innovative ideas, and collaborative research for sustainable development.

I convey my best wishes for the success of the event.

Anant Vibhushit  
Shri Ravishankar Ji Maharaj  
(Shri Rawatpura Sarkar)

**Honorable Chancellor**  
**Shri Rawatpura Sarkar University, Raipur**

## **Message from Chief Executive Officer**

It gives me immense pleasure to know that Faculty of Science, Shri Rawatpura Sarkar University, Raipur is going to organize a National Conference on “Integrating Sustainable Sciences with Indian Knowledge System” (ISSIKS-2026) 19 – 20th March 2026.

This conference is a significant initiative toward integrating modern scientific perspectives with the rich heritage of the Indian Knowledge System. I hope this academic gathering will encourage innovative ideas, meaningful dialogue, and collaborative efforts for sustainable development.

I congratulate the Faculty of Science, Shri Rawatpura Sarkar University, Raipur for bringing out the souvenir and at the same time wish them success in their entire future endeavor.

I wish the National Conference a great success.

**Mr. Vishal Garg**  
CEO, SRLKT

Shri Rawatpura Sarkar University, Raipur



## **Message from Vice Chancellor**

I am delighted to know that that Faculty of Science is going to organize a National Conference on “Integrating Sustainable Sciences with Indian Knowledge System” on 19 – 20th March 2026.

The integration of sustainable scientific approaches with the profound wisdom of the Indian Knowledge System is the need of the present era. Such initiatives help bridge traditional knowledge with modern research and innovation. This conference aims to provide a vibrant platform for academicians, researchers, and scholars to exchange ideas and explore interdisciplinary perspectives. I believe that meaningful discussions during this event will contribute to sustainable solutions for global challenges. It will also encourage young researchers to appreciate the relevance of indigenous knowledge in contemporary science. The university remains committed to promoting research that blends tradition with modern scientific advancement.

I sincerely appreciate the efforts of the organizers in bringing together distinguished experts and participants. I am confident that ISSIKS-2026 will be intellectually enriching and productive. I extend my best wishes for the grand success of the conference and all its participants.

**Prof. Dr. Saurabh Chaturvedi**

Vice-Chancellor

Shri Rawatpura Sarkar University, Raipur



## **Message from Registrar**

I am delighted to extend my warm greetings on the occasion of the National Conference on "Integrating Sustainable Sciences with Indian Knowledge System (ISSIKS-2026)". scheduled to be held on 19th and 20th March 2026 at Shri Rawatpura Sarkar University, Raipur, Chhattisgarh, India.

This conference highlights the importance of integrating contemporary scientific advancements with the profound heritage of the Indian Knowledge System. It will play a vital role in fostering interdisciplinary dialogue and stimulating innovative thinking among scholars, researchers, and practitioners. This is a valuable platform for academicians, scientists, and students to exchange ideas, share knowledge, and collectively explore sustainable solutions to contemporary global challenges.

The University remains committed to fostering a vibrant research environment that integrates traditional wisdom with modern scientific approaches.

I appreciate the organizing committee's dedicated efforts and am confident that ISSIKS-2026 will foster meaningful dialogue and collaborations.

I extend my best wishes for the successful conduct of the conference and convey my regards to all the participants.

**Dr. Amrut Anilrao Purohit**

Registrar

Shri Rawatpura Sarkar University, Raipur



### **Message from Dean Academics**

It gives me great pleasure to present the souvenirs of the National Conference on “Integrating Sustainable Sciences with Indian Knowledge System”, organized by the Faculty of Science, Shri Rawatpura Sarkar University, Raipur, on March 19–20, 2026.

This conference provides an important academic platform for researchers, scholars, and academicians to share their innovative ideas and research findings in the fields of sustainable sciences and the rich heritage of the Indian Knowledge System. The integration of traditional knowledge with modern scientific approaches is essential for addressing present and future global challenges in a sustainable and holistic manner.

The souvenirs reflect the diverse and valuable contributions from participants representing various institutions. I sincerely appreciate the efforts of the organizing committee, contributors, reviewers, and all participants whose dedication and scholarly work have made this conference possible.

I am confident that the deliberations and research shared during this conference will inspire further studies and meaningful collaborations in the pursuit of sustainable development rooted in our traditional knowledge systems.

I extend my best wishes for the grand success of the conference and congratulate the Faculty of Science for this commendable initiative



**Prof. Vijay Kumar Singh**

Dean Academic

Shri Rawatpura Sarkar University, Raipur



**Prof. Anubhuti Koshle**



**Prof. A.K. Sarkar**



**Dr. S.K. Gautam**

It is our pleasure to welcome all participants to the National Conference on “Integrating Sustainable Sciences with Indian Knowledge System (ISSIKS-2026)”, scheduled for 19–20 March 2026 at Shri Rawatpura Sarkar University, Raipur.

The conference aims to create a meaningful platform for integrating modern scientific perspectives with the rich traditions of the Indian Knowledge System. It will bring together academicians, researchers, and scholars to exchange ideas and explore innovative approaches for sustainable development. Through insightful discussions and collaborative interactions, the event seeks to highlight the relevance of indigenous knowledge in addressing contemporary scientific and environmental challenges. We sincerely hope that this conference will inspire productive dialogue, interdisciplinary research, and new academic collaborations.

We express our gratitude to all distinguished speakers, participants, and contributors for being a part of ISSIKS-2026 and wish the conference a great success.

**Dr. Anubhuti Koshle, Dr. Ashis K. Sarkar and Dr. S.K. Gautam**

Conveners

Shri Rawatpura Sarkar University Raipur



**Prof. Anubhuti Koshle**



**Prof. Sonal Choubey**



**Dr. Piyush Jha**

It is our pleasure to welcome you to the National Conference on “Integrating Sustainable Sciences with Indian Knowledge System” (ISSIKS-2026), taking place on 19th – 20th March 2026.

This event represents a crucial milestone in our mission to synthesize ancient Vedic insights with contemporary scientific advancements. We believe that the path to true global sustainability lies in the holistic principles embedded within our traditional Indian Knowledge Systems (IKS). This conference provides a unique scholarly arena to examine how indigenous wisdom in resource management, chemistry, and ecology can address modern-day climate and societal crises. As Convenor, I encourage researchers and innovators to present work that honors our past while pioneering a self-reliant, sustainable future. Together, we shall explore frameworks that bridge the gap between empirical science and the timeless philosophies of our heritage. It is my hope that ISSIKS-2026 will serve as a catalyst for a "Knowledge Revolution" rooted in the ethos of harmony and conservation. I look forward to welcoming you to Raipur for these two days of profound intellectual and cultural exchange.

We express our sincere gratitude to all speakers, participants, and contributors for making this event possible. We look forward to engaging discussions and impactful research presentations.

**Dr. R.P. Rajwade, Prof. Sonal Choubey and Dr. Piyush Jha**

Co-Conveners

Shri Rawatpura Sarkar University Raipur



**Dr. Rupal Purena**



**Dr. Hitesh Dewangan**



**Dr. Sagar Kumar Sahu**



**Dr. Ayantika Pal**



**Dr. Akanksha Dubey**

Dear Participants,

It gives us immense pleasure to welcome you to the National Conference on “Integrating Sustainable Sciences with Indian Knowledge System” (ISSIKS-2026), hosted at Shri Rawatpura Sarkar University, Raipur. As we gather on the 19th and 20th of March 2026,

we embark on a transformative journey to bridge the profound wisdom of our ancestors with modern scientific innovation. Our objective is to explore how traditional Indian practices in agriculture, metallurgy, and holistic health can provide scalable solutions for today's global environmental challenges. This conference serves as a vital platform for researchers, scholars, and practitioners to align our rich heritage with the goals of **Viksit Bharat 2047**. By revisiting the Vedic sciences and their innate sustainability, we aim to foster an interdisciplinary dialogue that nurtures both the planet and the human spirit.

We invite you all to contribute your insights and join us in shaping a future that is scientifically advanced yet culturally rooted. Let us work together to rediscover the timeless relevance of the Indian Knowledge System for a resilient world. We look forward to your active participation in making this event a landmark success for our university and the scientific community at large.

**Dr. Rupal Purena, Dr. Hitesh Dewangan, Dr. Sagar Kumar Sahu,  
Dr. Ayantika Pal, and Dr. Akanksha Dubey**

Organizing Secretary  
Shri Rawatpura Sarkar University Raipur

## Message from Editor in Chief

It gives me immense pleasure to share the experience of almost 6 Year 8 months in Shri Rawatpura Sarkar University Raipur. Faculty of Science organizing the National Conference on “**National Conference on “Integrating Sustainable Sciences with Indian Knowledge System”**” March 19–20, 2026.

The main objective of this conference is to bring together academics, researchers and industry delegates under one roof to validate traditional practices through the lens of modern STEM (Science, Technology, Engineering, and Mathematics) and promote the **National Education Policy (NEP) 2020**'s goal of integrating IKS into mainstream curricula.

The National Seminar will also provide a platform to the under graduate and post graduate students, research scholars, experts and industry delegates to keep their views in these areas and to help the community of the civilized world for the betterment and sustainable development to the human-kind.

I truly thank Parampujya Shri Ravishankar Maharaj Shri for his blessings and Prof. (Dr.) Saurabh Chaturvedi, Vice Chancellor, Dr. Amrut Anilrao Purohit, Registrar, and Prof. V.K. Singh, Dean Academics for his unconditional support and patience.

I congratulate all ISSIKS team members and colleagues for organizing the National Conference and convey my heartiest greetings to the delegates and participants.

**Dr. R. P. Rajwade**

Editor in Chief & Co-convenor (ISSIKS)  
Shri Rawatpura Sarkar University Raipur





**Dr. Rupal Purena**



**Dr. Prashanta K. Mitra**



**Dr. Adwaita Das**

It is a privilege to present this Abstract Book for the National Conference on “Integrating Sustainable Sciences with Indian Knowledge System” (ISSIKS-2026), organized by Shri Rawatpura Sarkar University, Raipur.

This volume is a curated collection of innovative ideas, preliminary findings, and visionary proposals from scholars across the nation. Each abstract included here represents a bridge a conscious effort to connect the empirical rigor of modern Sustainable Sciences with the holistic, time-tested paradigms of the Indian Knowledge System (IKS).

We received a significant number of submissions for this national dialogue. The Editorial Committee has carefully reviewed each entry to ensure that this volume maintains a high standard of academic and cultural relevance. We are deeply grateful to the authors for their intellectual contributions and to the faculty of Shri Rawatpura Sarkar University for their tireless efforts in organizing this event in the heart of Chhattisgarh.

We hope this Abstract Book serves as a roadmap for future research, sparking new inquiries into how India's heritage can fuel a sustainable global future.

**Dr. Rupal Purena, Dr. Prashanta K. Mitra, Dr. Adwaita Das**

Editors (ISSIKS 2026)

Shri Rawatpura Sarkar University Raipur

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Ms. Dipali Sahu

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