



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of Education Initiative)



MoE's  
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Institute's Innovation Council  
Pt. Ravishankar Shukla University Raipur  
**IIC-PRSU**

# Institute Innovation Council

**Pt. Ravishankar Shukla University, Raipur  
Chhattisgarh – 492010**

*(Under The Initiative of Ministry of Education's Innovation Cell)*

Aishe Code: U-0093

IIC ID: IC201810375

## Report

**Institute Innovation Council,  
School of Studies in Chemistry**

**&**

**School of Studies in Physics & Astrophysics,  
Pt. Ravishankar Shukla University, Raipur, C.G.**

**Conducted**

**31st International Conference**

**of**

**International Academy of Physical Sciences  
(CONIAPS XXXI)**

**on**

**Emerging Trends in Physical Sciences**

**20–21 December 2024**



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## Details of Event

|                                     |                                                                                                                                                            |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name of Program Type</b>         | 31st International Conference of International Academy of Physical Sciences (CONIAPS XXXI)                                                                 |
| <b>Name of Program Theme</b>        | Emerging Trends in Physical Sciences                                                                                                                       |
| <b>Objective</b>                    | To provide a global platform for researchers, academicians, and students to present their work and discuss cutting-edge developments in Physical Sciences. |
| <b>Benefit</b>                      | Enhanced research exposure, academic networking, international collaboration, and knowledge dissemination across multiple scientific disciplines.          |
| <b>Duration of Activity</b>         | 2 days                                                                                                                                                     |
| <b>Mode of Event</b>                | Offline                                                                                                                                                    |
| <b>No. of Students Participants</b> | 200                                                                                                                                                        |
| <b>No. of Faculty Participants</b>  | 150                                                                                                                                                        |
| <b>No. of External Participants</b> | 80                                                                                                                                                         |



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## About the Event

The 31st International Conference of the International Academy of Physical Sciences (CONIAPS XXXI) was successfully organized at Pt. Ravishankar Shukla University, Raipur. The event witnessed over 430 participants from across India and abroad. Distinguished dignitaries, keynote speakers, and delegates contributed to rich academic discussions and international collaboration.

### Day 1: 20th December 2024

The first day of the conference began with the inaugural ceremony, graced by the Honourable Governor of Chhattisgarh, Sri Ramen Deka, as the Chief Guest. The session was presided over by Prof. Sachchidanand Shukla, Vice Chancellor of Pt. Ravishankar Shukla University. Among the distinguished dignitaries present were Prof. Tankeswar Kumar, Vice Chancellor of Central University of Haryana, who delivered the keynote address; Prof. H.S. Dhami, President of the International Academy of Physical Sciences (IAPS); and Prof. P.K. Bajpai, Vice Chancellor of Jai Prakash University, who served as Guest of Honour. Prof. Kallol Kumar Ghosh, Convener of the conference, extended a warm welcome to the participants.

In his inaugural address, the Governor emphasized the importance of science in addressing the country's pressing challenges and highlighted the National Education Policy (NEP 2020) as a comprehensive vision for fostering research, innovation, and technology. He urged scholars to uphold India's legacy of scientific excellence while promoting a culture of inquiry. This was followed by the keynote lecture of Prof. Tankeswar Kumar on "Research and Innovation: Catalyst for Viksit Bharat," and a special lecture by Prof. P.K. Bajpai on "Need for Including Indian Knowledge Systems for Multidisciplinary, Holistic, and Flexible Higher Education."

The remainder of the day was devoted to technical sessions across Physics, Mathematics, Chemistry, Computer Science, and Bioinformatics. These sessions included memorial lectures, invited talks, and presentations by young scientists competing for awards. The evening concluded with a vibrant cultural program organized by students, which showcased the rich heritage and traditions of Chhattisgarh.

### Day 2: 21st December 2024

The second day of the conference continued with a series of technical sessions across multiple disciplines, bringing together eminent speakers and enthusiastic participants. In Physics, Prof. P.K. Bajpai delivered an insightful lecture on "Accelerators as Tools for Developing Science & Technology," while Prof. Abhay M. Varade presented his



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research on thermoluminescence studies. Prof. S.K. Pandey, Former Vice Chancellor of PRSU, spoke on “A Physicist's View of the Universe.” Sessions in Chemistry featured eminent scholars such as Prof. S.N. Upadhyay, Prof. Nitin Chattopadhyaya, Prof. Tarasankar Pal, Prof. Puru Jena, Prof. Anjali Pal, and Prof. Gautam Kumar Patra, who addressed contemporary challenges in materials chemistry, catalysis, and environmental sciences. International experts from Malaysia, Australia, the UK, and the USA enriched the day's proceedings with their invited lectures.

Alongside oral and invited presentations, a special poster session was organized for M.Sc. students, allowing them to present innovative research in Physics and Applied Sciences. The conference concluded with the Valedictory Session, chaired by Prof. Sachchidanand Shukla, Vice Chancellor of PRSU. Both Prof. H.S. Dhami (President, IAPS) and Prof. P.K. Bajpai commended the organizers for the success of the event and acknowledged the contributions of participants and volunteers. The session also included the announcement of Young Scientist Awards, recognizing the outstanding research of students and scholars in Physics, Chemistry, and Mathematics. The final Vote of Thanks was proposed by Prof. C.K. Mishra and Dr. Manmohan Lal Satnami, bringing the two-day international conference to a close on a note of academic achievement and collaborative spirit.

## About the Speakers

- **Sri Ramen Deka** – Honourable Governor of Chhattisgarh Served as the Chief Guest of the Inaugural Function. In his inaugural address, he praised the interdisciplinary nature of the conference and emphasized that science has the potential to solve many of the country's pressing problems. He highlighted the vision of the National Education Policy (NEP 2020), stressing its importance for fostering research, innovation, and technology. He also referred to the legacy of scientific achievements in ancient India while calling for a strong culture of inquiry and scientific excellence in the modern era.
- **Prof. Tankeswar Kumar** – Vice Chancellor, Central University of Haryana, Mahendragarh Delivered the **Keynote Lecture** titled “*Research and Innovation: Catalyst for Viksit Bharat.*” He underscored the significance of innovation-driven research for India's growth, linking national development to strong scientific foundations. His talk inspired students and researchers to integrate innovative approaches in their scientific pursuits.
- **Prof. H.S. Dhami** – Former Vice Chancellor, Kumaun University, Nainital & President, International Academy of Physical Sciences (IAPS) Spoke about the activities of IAPS including **Young Scientist Awards, Memorial Lectures, and Fellowships** aimed at promoting research and innovation. As President of



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IAPS, he also presided over sessions, inspiring participants with his vision for advancing physical sciences globally.

- **Prof. P.K. Bajpai** – Vice Chancellor, Jai Prakash University, Chapra Acted as a Guest of Honour and delivered a Special Lecture on “Need for Including Indian Knowledge Systems for Multidisciplinary, Holistic, and Flexible Higher Education.” He also presented an invited lecture on the role of accelerators as tools for societal development. His dual contribution enriched both the inaugural and technical sessions of the conference.
- **Prof. Sachchidanand Shukla** – Vice Chancellor, Pt. Ravishankar Shukla University, Raipur Presided over the inaugural session and the valedictory session. He welcomed participants from **18 Indian states** and from **Malaysia, Australia, the UK, and the USA**. He highlighted the research initiatives undertaken by PRSU and stressed how such international conferences create opportunities for exchanging ideas and strengthening collaborations. His concluding remarks during the Valedictory Session praised the academic success and collaborative spirit of CONIAPS XXXI.
- **Other Distinguished Speakers and Session Chairs**  
The conference featured eminent scientists such as **Prof. O.N. Shrivastava Memorial Lecture by Prof. P.C. Pandey (IIT BHU)**, **Prof. Ramesh T. Subramaniam (University of Malaya, Kuala Lumpur)**, **Dr. Krishna Manaswi Digumarti (Queensland University of Technology, Australia)**, **Prof. S.J. Dhoble (RTM Nagpur University)**, **Prof. Abhay M. Varade (RTM Nagpur University)**, **Prof. S.K. Pandey (Former VC, PRSU)**, **Prof. S.N. Upadhyay**, **Prof. Tarasankar Pal**, **Prof. Puru Jena (USA)**, **Prof. Anjali Pal**, **Prof. Gautam Kumar Patra**, and many others. Their lectures spanned Physics, Chemistry, Mathematics, Computer Science, Bioinformatics, and Environmental Sciences, providing comprehensive coverage of emerging research trends.



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## Photos of the Event





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## Press Release



नवभारत  
Rajdhani - 23 Dec 2024 - 23ra15  
epaper.navabharat.news



## 'Scientific research key to India's development'

Ramen highlights science and innovation as key drivers for India's progress.

**Central Chronicle News**  
RAIPUR: Addressing the 31st conference of the International Academy of Physical Sciences (CONIS XXXI) on Emerging Trends in Physics Sciences, Governor Ramen Deha emphasized the critical role of scientific research and innovation in achieving India's aspiration of becoming a developed nation and a \$5 trillion economy. In his keynote speech, the Governor noted the growing importance of physics and other scientific disciplines in addressing global environmental, technological, and social challenges. He hailed the conference's theme, Emerging Trends in Physical Sciences, as a testament to the collective commitment of researchers to advancing scientific inquiry and innovation. Governor Deha also highlighted the university's platform to showcase their research initiatives like the Young Scientist Award and the Young Scientist Award. During the event, Governor Deha inaugurated the Analytical Instrument Laboratory and the Innovation Technology and Entrepreneurship Foundation at the university. He also planted a sapling in the auditorium premises as a symbol of environmental responsibility. The event witnessed participation from scientists, scholars, researchers, and students from diverse fields, including Physics, Chemistry, Mathematics, Computer Science, and Bioinformatics. Vice-Chancellor Professor Sachchidanand delivered the welcome address, while Professor Kallal Ghosh detailed the conference's objectives.

## रविवि के सम्मेलन में युवा वैज्ञानिक हुए सम्मानित

रविवि में फिजिकल साइंस पर अंतरराष्ट्रीय सम्मेलन का समापन

रायपुर। पं. रविशंकर शुक्ल विश्वविद्यालय में रसायन अध्ययन शाला तथा भौतिकी एवं खगोल विज्ञान अध्ययन शाला के संयुक्त तत्वाधान में आयोजित अंतरराष्ट्रीय एकेडमी ऑफ फिजिकल साइंस के 31वें अंतरराष्ट्रीय सम्मेलन का समापन हुआ। सम्मेलन के द्वितीय दिन अनेक महत्वपूर्ण व्याख्यान का आयोजन हुआ और युवा वैज्ञानिकों की प्रतियोगिता में युवा वैज्ञानिकों को भौतिकी से डॉ. चित्रकांत बेलोधिया / कंचन तिवारी, रसायन से अंकित बीना कुजूर, गणित से आयुषी साव को प्रथम पुरस्कार मिला।

प्रो. कल्लोल घोष ने बताया कि भौतिकी विषय पर पं. रविशंकर विश्वविद्यालय के



पूर्व कुलपति प्रो. शिवकुमार पाण्डेय ने ब्रम्हांड की उत्पत्ति पर व्याख्यान दिया। छपरा विश्वविद्यालय, बिहार के प्रो. पी. के. बाजपेयी, प्रो. अभय बराडे और प्रो. तापस रंजन साहू का भी व्याख्यान हुआ। इसी प्रकार रसायन विषय पर आईआईटी खड़गपुर के प्रो. अंजली पाल, आईआईटी, दिल्ली के डॉ. विश्वरूप चौधरी,

गुरुदासीदास विश्वविद्यालय के प्रो. गौतम पात्रा का व्याख्यान हुआ।

समापन समारोह में मुख्य अतिथि आईएपीएस के अध्यक्ष प्रो. एच.एस. धामी तथा विशिष्ट अतिथि जयप्रकाश नारायण विश्वविद्यालय के कुलपति प्रो. परमेश्वर कुमार बाजपेयी थे। इस समारोह में रविवि के कुलपति डॉ. सच्चिदानंद शुक्ल ने इस

सफल आयोजन के लिए रसायन विभाग, भौतिकी विभाग तथा गणित विभाग को बधाई दी। समापन समारोह के संयोजक प्रो. कल्लोल घोष, डॉ. नमिता ब्रम्हा तथा डॉ. बलवंत सिंह ठाकुर ने सम्मेलन की रिपोर्ट पेश किया। इसी प्रकार लगभग 200 छात्रों ने नवाचार पर पोस्टर प्रतियोगिता में भाग लिया जिसमें प्रथम पुरस्कार गिरीष साहू, रसायन अध्ययनशाला, द्वितीय पुरस्कार निखिल कुमार व योग सिंह ठाकुर रसायन अध्ययनशाला, तृतीय पुरस्कार जे. अमन कुजाम, मूल विज्ञान केंद्र, सत्यन पुरस्कार प्रोजल शर्मा व युग, मूल विज्ञान केंद्र (भौतिकी) और शुभांगी रसायन अध्ययनशाला को मिला।



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## Conclusion/Outcomes

The CONIAPS XXXI Conference was a grand success, bringing together over 430 participants including renowned academicians, researchers, and young scientists. The event provided a platform for the exchange of knowledge, fostered international collaboration, and highlighted cutting-edge research in physical sciences.

Young Scientist Awards:

- Physics: Mr. Chitrakant Belodhiya & Ms. Kanchan Tiwari (PRSU, Raipur)
- Chemistry: Ms. Ankita Beena Kujur (PRSU, Raipur)
- Mathematics: Ms. Ayushi Sao (PRSU, Raipur)

The wide media coverage and enthusiastic participation further strengthened the visibility of Pt. Ravishankar Shukla University as a hub of scientific excellence.

**Dr. Kavita Thakur**

**President IIC**

Pt. Ravishankar Shukla University , Raipur, Chhattisgarh- 492010