



## Report on

## 22<sup>nd</sup> State-Level Children Science Congress

**Focal Theme: Understanding Ecosystem for Health and Well-Being**

**7–8 December 2023**

*Organized by*

**Chhattisgarh Council of Science and Technology, Raipur**

**&**

**Pt. Ravishankar Shukla University, Raipur**

*Sponsored by*

**National Council for Science and Technology Communication**

**Department of Science & Technology, New Delhi**

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Chhattisgarh Council of Science & Technology, Raipur, and Pt. Ravishankar Shukla University (PRSU), Raipur, organized a **Two-Days 22<sup>nd</sup> State-Level Children Science Congress, between 7-8 December 2023** at M L Shroff Hall, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur.

On 7<sup>th</sup> December 2023, the Inaugural Function began with ceremonial lamp lighting, followed by the university Kulgeet and then State Song. The Chief Guest of the Inaugural Function was Hon'ble Vice-Chancellor of PRSU, Raipur, **Prof Sachchidanand Shukla Sir**, and the Special Guest was **Dr Prashant Kawishwer**, Scientist E-1, CGCOST, Raipur. The special guest of the event **Dr Prashant Kawishwar** shed light on various opportunities, and scope in the field of science. The inaugural address by the esteemed Chief Guest, **Prof Sachchidanand Shukla**, suggested the '**3E**' formula, which represents "**Explore, Extend and Excel**", for the students. He also said that one best innovative idea will be supported academically and financially by the **Institution Innovation Council** of PRSU. **Dr J. K. Rai**, Scientist-E, CGCOST, Raipur and State Coordinator of the event delivered a warm welcome address and also gave an overview of the program. The Inauguration session was concluded

with vote of thanks by **Prof Keshav Kant Sahu**, Head, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur. In the inaugural function, district coordinators, child scientists from different districts, faculties of PRSU, and jury members invited from different institutions were present. **Prof Keshav Kant Sahu** gave a briefing to judges for evaluation of the projects. After which technical sessions started.

The Focal theme and sub-themes that are announced by the National Council for Science and Technology Communication, DST, GoI, New Delhi, were as follows:

**Theme: Understanding Ecosystem for Health and Well-Being**

**Sub-themes:**

- 1. Know your Ecosystem**
- 2. Fostering Health, Nutrition and Well-being**
- 3. Social and Cultural Practices for Ecosystem and Health**
- 4. Ecosystem Based Approach for Self-Reliance**
- 5. Technological Innovation for Ecosystem and Health**

A total of **1170 projects** were presented by the child scientists at **District Level Children Science Congress** held at **31 districts**, out of which **155 projects** were selected to participate at the State Level Children Science Congress, which comprised **93 projects of the Senior Group and 62 of the Junior Group**. All the projects were evaluated by the subject experts/judges invited from different departments of PPRSU, NIT Raipur, IGKV Raipur, and Govt. Nagarjuna PG Science College, Raipur. Fifteen subject experts were Prof Keshav Kant Sahu, Dr VK Kanungo, Dr Amber Vyas, Dr Manju Singh, Dr Bhanushree Gupta, Dr Deependra Singh, Dr Veenu Joshi, Prof Zenu Jha, Prof LS Gajpal, Dr Indrapal Karbhal, Prof SJDaharwal, Dr Afaq Quraishi, Dr Shashi Gupta, Dr Pratima Gupta and Dr Vishal Jain. They were evaluated the projects presented by Child Scientists and made them aware of how to improve the quality of the project and presentation methodology. After presentation, child scientists from different districts were participated in cultural program, showing the cultures/traditions of the state.



## Valedictory Function

The valedictory function of the State Level Children Science Congress was held on 8<sup>th</sup> December 2023. The Chief Guest was **Prof M. K. Verma**, Hon'ble Vice-Chancellor, Swami Vivekananda Technical University, Bhilai, and **Shri SS Bajaj**, Director General, Chhattisgarh Council of Science & Technology, and Regional Science Centre, and Chairman, NRDA, Raipur, presided over the function. In this function, **Dr JK Rai** delivered a warm welcome address and gave a brief report on the two-days event. **Prof Keshav Kant Sahu** welcome all the judges and briefly explained the event, and evaluations done by the experts/judges. **Shri SS Bajaj**, motivated the gathering with their inspirational thoughts and suggestions. He

further emphasized the need for young scientists to foster science and technology. **Prof MK Verma** said that the National Children's Science Congress provides a platform to the children, where through their creativity and innovative ideas, they can identify local problems, solve them, and reach results through experiments, data collection, research, analysis, and innovative processes. After that, Prof Keshav Kant Sahu declared the result.

A total of **16 Child Scientists** (10 from the Senior Group and 6 from the Junior Group) were selected to participate in the **31<sup>st</sup> National Children Science Congress**, and **two child scientists** were selected to participate in the **109<sup>th</sup> Indian Science Congress**.

**The following 16 child scientists were selected:**

S.no.	Name of the participants	School Name	District	Title	Senior/Junior
1	Priti Verma	Swami Atmanand Govt, H.S. School, Sirsa	Durg	Water Hyacinth: A green portfolio for well-being	Senior
2	Bhumika Padmakar	Govt, H.S. School, Mashora	Kondagaon	Carbon footprint: CO <sub>2</sub> emission tracking	Senior
3	Neelkamal Sahu	Govt, H.S. School, Devrida	Balod	Green gold nature's boon	Senior
4	Digesh Nayak	Swami Atmanand Hindi Medium Govt, H.S. School, Gadiras	Sukma	Tora telAdiwashiyonkeli ye Vardan	Senior
5	Yogendra Singh Markam	Govt. Gurukul Vidyalaya, Pendra Road	GorilaPendra	"Samadhan – laddu" for solution of Mosquito Born Diseases	Senior
6	Shikha Dewangan	Ranidurgawati Govt. H. S. School, Mandir Hasaud	Raipur	To study the measures to be taken to protect grains from insects in Mandir Hasaud & to make grain protection pill from household items	Senior
7	Bhanupratap Sarthi	Govt. H. S. School, Karva	Surajpur	Kavak se jaivikeitevamPrakritik Material ka nirman	Senior
8	Veena Baghel	Govt. H. S. School- Surdung, Dhamdha	Durg	Recycle of waste material	Senior
9	Jashraj Singh	DAV Public	Durg	Can "AQUASENS"	Senior

		School, Bhilai		be the best IOT based aquaponic and hydroponic companies?	
10	Pratima Prajapati	Govt Girls Higher Secondary School, Surajpur	Surajpur	Makkakeapshish se hard board, dona, pattal ka nirman	Senior
11	Debanshbramh chari	DAV Public School Bartunga, Chirmiri	Manendragadh	Banyan tree as ecological Linchlin	Junior
12	AditriPareriya	N H Goyal, Raipur	Raipur	Organic insect repellents from Mahua seed oil	Junior
13	Manya Yadav	Swami Aatmanand English Medium Govt. H S School, Korba	Korba	Study of magical and medicated property of tree <i>Moringa oleifera</i> (Banki, MongraSunedha Basti and Chhuri)	Junior
14	Annapurna Patel	Govt. Boys Middle School, Kopra	Gariyaband	Plastic Alternative Bioplastics	Junior
15	Divyaveer Singh	Learners English medium School, Bilaspur	Bilaspur	The Guardian Stick	Junior
16	Shreyash Gupta	Swami Aatmanand Excellent Govt. H. S. School, Bagicha	Jashpur	Paper and Cloth production from Banana Stem Waste	Junior

**Out of 16 children, two child scientists who are selected to participate in the 109<sup>th</sup> Indian Science Congress are:**

S. no.	Name of the participants	School	District
1.	Yogendra Singh Markam	Govt. Gurukul Vidyalaya, Pendra Road	GorilaPendra
2.	Manya Yadav	Swami Aatmanand English Midium Govt. H S School, Korba	Korba

All the judges were awarded with certificates. **Dr JK Rai**, motivated the children to participate in such type of activities in the future and concluded the valedictory functon with a vote of thanks.





**(Keshav Kant Sahu)**