



TWO DAYS WORKSHOP REPORT

on

"Integration of Indigenous Knowledge: Sustainable Cultivation of Traditional Medicinal Plants and Health Benefits"

09th -10th May 2024

Institute Innovation Council, Pt. Ravishankar Shukla University, Raipur (C.G.) and IIT Bhilai Innovation and Technology Foundation (IBITF), Bhilai (C.G.) jointly organized the workshop at Govt. IndaruKenwat Girls College, Kanker (C.G.), on 9th and 10th May 2024.

The workshop was on the theme "Integration of Indigenous Knowledge: Sustainable Cultivation of Traditional Medicinal Plants and Health Benefits". The workshop was presided over by Prof. Sachchidanand Shukla, the Honourable Vice Chancellor of Pt. Ravishankar Shukla University, Raipur (C.G.), and Prof. Rajeev Prakash, the director of IIT Bhilai. The workshop convener was Prof. Santosh Biswas, CEO of IBITF Bhilai, and Prof. Jitendra Kumar Barle, Principal of Govt. Indru Kevat Girls College Kanker.

Prof. Kallol Kumar Ghosh, the IBITF Project Coordinator, Pt. Ravishankar Shukla University, Raipur and Prof. Keshav Kant Sahu, Program Coordinator, welcomed and addressed the participants, briefing them about the workshop's objectives and delivering a welcome speech to the Chief guests, Resource persons, and all the participants. The main aim of this workshop was to enhance the understanding of medicinal and indigenous plants used in traditional medicine. The objective is to compile and share knowledge that will aid in identifying and conserving targeted medicinal plants.

Additionally, the focus is on increasing the production and quality of these plants through sustainable farming practices. Furthermore, it is crucial to raise awareness among the tribal population about the modern knowledge of plants with medicinal importance. These will help create

self-determination towards self-employment, entrepreneurship, and sustainable livelihoods. Furthermore, sharing among participants about integrating scientific validation into traditional knowledge will also be necessary for broad acceptance, including conventional knowledge preservation for future generations. The workshop features local traditional healers, expert lectures, and group discussions led by scholars working in social empowerment.

Day 1 Proceedings, Resource persons and participants profile

The session commenced with the chanting of Saraswati Vandana and the lamp lighting by the esteemed guest and Padmashree, Mr. Hemchand Manjhi Jee, with other eminent speakers and participants, followed the National Anthem, "Jana Gana Mana," and subsequently, the Chhattisgarh state song, the "Arpa Pairi Ke Dhar". Prof. Keshav Kant Sahu, the program coordinator and project Co-PI, addressed the participants and highlighted the objectives of this workshop. They appeal to the traditional healers to share information about the research project's goals, which poses a significant threat to the current situation. The reluctance of traditional healers to disclose information regarding the research project's objectives is jeopardizing the present circumstances. He also added that the project's focus on sustainable livelihood was emphasized, alongwith the explanation of the database creation system. In the series, Prof. Kallol Kumar Ghosh, IBITF Project Coordinator of Pt. Ravishankar Shukla University, Raipur, spoke to participants and highlighted the project and research expected to bring significant benefits to the people of Bastar, underscoring the importance of educating the community about the value of medicinal plants.

The selfless efforts of Tribal Healers and their role were highlighted. The chiefguest of the programme, **Padmshree Mr. Hemchand Manjhi** (Chote Dongar, Narayanpur), a famous Tribal Healer, addressed the participants; he shared on his experiences with practising traditional knowledge of medicinal plants on the patients' reliance on him and attributed the success of his treatments to the diverse ecosystem in the regions of Narayanpur District Block Orcha. He dedicated to serve the community since inadequate healthcare facilities existed in the region. He emphasized that his knowledge is inherited from his ancestors and the goddess Shitla Devi. He urged his fellow vaidas and participants to join him in the noble mission of preserving lives.

Mr. Ashwini Kumar Kange, Kanker, known Social Activist and conservationist, talked about the importance of conservation efforts, the PESA act, and biodiversity conservation laws and acts. He specifically highlighted the forests that belong to the people of Bastar and those who have worked

tirelessly to protect them. Additionally, he emphasized the deep love and dedication of the local community towards preserving the water resources and the jungle.

The next speaker, **Mr. Kamlesh Nag**, a famous local Traditional Healer & Conservationist, addressed the audience and talked about their activity in preserving medicinal plants on a small land plot of 5 Acres. He also shared how his grandfather served as a source of inspiration for this endeavour.

Mr. Upeshwar Thakur, a Traditional Healer & Conservationist, addressed the participant and discussed his work to conserve and use of medicinal plants. He emphasized that people spend a lot of money on treatment but do not receive proper care. He believed that Ayurvedic and herbal remedies could provide effective solutions. He also highlighted the importance of tribal healers in sharing their valuable knowledge of medicinal plants, which can significantly impact health records and save lives. He shared real-life examples where he has prescribed and recommended the use of plants for various ailments such as fever, cough, cold, and diabetes. He mentioned that these plants can be used to treat pain when combined with *Brimnghraj* in *mustard oil*. Additionally, he has been actively working towards raising awareness about medicinal plants' benefits and personally distributed them to the people.

Mr. Sonsay Sevta, Village- Jambahar, District Kanker, well-known Tribal (Gond) Healers. He informed everyone that he had been practising since 1980, acquiring knowledge from his ancestors. He specializes in treating liver, kidney stones, cancer, and bone deformities. Furthermore, informed, he has successfully treated over 500 cases. People and patients have even travelled from Ladakh, Gujarat, and Maharashtra to seek his treatment. He revealed that he follows a precise method for obtaining medicinal plants, only using bark or roots when they are mature enough and during the proper seasons. For instance, *Bhui Amla* is collected after the rainy season. He utilizes *Mittichal* for cancer treatment and *Maklakata (herb) (Bokrakata)* for sickling, which can also help in maintaining glucose levels in the blood and treating white discharge. Additionally, he mentioned having 30-40 sacks full of medicinal plant parts. *Maachi Mudi* can be used for hairgrowth, similar to henna, while *Bhui Amla* is effective for typhoid, jaundice, and sickling.

Mr. Vijay Kumar Nag, a tribal healer residing in the remote areas of Kanker, shared his knowledge on various ailments. He suggests that heart patients can benefit from using *Mustard oil* and *Mahua* leaves, as well as the feather of a specific bird. Additionally, he recommended the use of *Thomti* medicinal plant bar for treating sciatica. He believes that patients who walk with the help of support can gradually regain their normal functioning. Furthermore, he claims to have treated

paralysis, cataract, and jaundice successfully. For kidney stone treatment, he suggests the use of a specific herb. To showcase his expertise, a live seminar or demonstration was conducted, where the removal of impurities was witnessed by five participants. The feedback received was highly positive, leaving both the participants and resource persons feeling refreshed.

Mr. Girdhar Margiya (Local Traditional Healer). He addressed and spoke about presenting himself as a specialist in treating paralysis, boasting a wealth of experiences panning 10-12 years. He noted that he received training from Mandu Nayak and deals with knee pain and piles. His primary focus is on paralysis treatment, offering tablets that he formulates and stores for a maximum of 15 months. He acquires medicinal plant parts from local markets and gathers some independently. He has treated a significant number of patients and is deeply committed to his profession, paying attention to eyecolour and providing precise diagnoses. Notably, he mentioned medicinal plants like bicchi and kalakoriya (local names).

Dr. Mithileh Sinha, an academician and past researcher in the same field, talked about and focused on the trans disciplinary approach and the importance of tribal healers' cooperation during the survey. It was emphasized that they should feel at ease with the process, as it would ultimately benefit them. The concept of individual participation in building the database was also explained. The speaker elaborated on their work regarding malaria, explicitly highlighting the use of Bhui Leem as a medicinal plant. They emphasized the significance of scientifically proven and validated plants for the betterment of humanity and thus encouraged the tribal healers to share as much information as possible. He later explained the usage of *Amla*, emphasizing that it should be consumed in the morning before having any food. This natural remedy is effective in reducing swelling and is commonly referred to as *Harley Kanda*. It is sourced from the jungles and is utilized in the treatment of various ailments.

During the "Group Discussion" session, all the presence traditional healers, Researchers, Conservationists, Academician, Environmentalist, and Agriculturists actively participated in a discussion where each one took turns explaining their work, contributions, treatment methods, materials collection, and experiences in treating specific diseases. Then, we honoured the guest, speaker and participants with mementoes and certificates. At the end of the first day's session, Dr. Nagendra Kumar Chandrawanshi, IBITF Project PI & Program Secretary, delivered the closing remarks and summary of the first day's workshop.

DAY 02 Proceedings

The session commenced with the chanting of Saraswati Vandana and the lamplighting by the esteemed guest, Padmashree, Mr. Ajay Kumar Mandavi and then followed the national anthem, "Jana Gana Mana," and subsequently, the Chhattisgarh state song, the Arpa Pairi Ke Dhar.

Dr. Keshav Kant Sahu formally initiated the event by sharing the objectives and delivering the inaugural speech on the second day of the workshop.

Anchors warmly greeted the participants, expressed gratitude for their presence, presented the welcome note, and invited **Prof. Sacchidanand Shukla**, Honourable Vice Chancellor of Pt. Ravishankar Shukla University, Raipur, to address the participants and all the distinguished guests. Following this, **Padmashree Shree Ajay Kumar Madavi Jee**, honoured by the President of India for his remarkable work in disarming teenagers in Naxalite areas and promoting tribal crafts, was respectfully called upon to deliver a speech. He talked about social upliftment and shared some real-life incidents.

Additionally, Suggested has proposed working on a startup project to emphasize and validate the significance of MADIA pej with Amadi bhaji chutney. This project aims to establish a direct transaction between tribals and consumers. Similarly, it will promote tendu, chaar, sitaphal, kodo, and karaki. Then Mr. Digvijay Singh, a social worker, addressed the audience; they discussed their on going collaboration with local healers, highlighting their efforts to certify numerous individuals. They emphasized their commitment to working collaboratively and commended the project's goals. **Dr. Birbal Sahu** is a known agricultural practitioner and researcher from Krishi Vigyan Kendra, Kanker; he addressed the audience about his efforts made in utilizing local forest resources and provided information on the training programs available for mushroom and millet cultivation and processing, conservation of wild grain varieties and their medicinal uses for better human health. In the series, **Mrs. Rukhamani Darpatti**, a Social Reformer and member of the self-help group of Bhanbeda, enthusiastically shared their success stories. They discussed their efforts to make delicious mahua laddoo and expressed concerns about the low production due to the limited demand.

Additionally, they also mentioned their involvement in mushroom production. They were delighted to participate in the workshop and too excited. In the group discussion session, the women belonging to the Self-Help Group (SHG) also discussed the various methods they employ in their work, which include selling Kadaknath chickens and mushrooms. A comprehensive discussion was

conducted on the economic benefits and the medicinal properties of plants that can be scientifically validated. After this session, the chief guest, special guest, key speaker, and other valued persons were honoured with mementoes and certificates.

The conclusion of the two-day workshop was overseen by Dr. Nagendra Kumar Chandrawanshi (IBITF Project-PI & Program Secretary) and Mr. Manoj Kumar (local organizing secretary), who served as program secretaries. The ceremony commenced with an expression of gratitude, followed by an address to the attendees and the distribution of workshop certificates by the chief guests and dignitaries. The participants were thanked for their enthusiastic involvement in the training and were commended for successfully completing the course. It was expressed that the acquired knowledge would greatly assist the implementing partners in carrying out their activities effectively and efficiently.

Appendix-A: Program Schedule

** कार्यक्रम की रूपरेखा **

प्रथम दिवस कार्यक्रम (09 मई 2024)

10:30 am to 11:30 am :	पंजीकरण
11:31 am to 11:40 am :	मुख्य अतिथि एवं वक्ताओं का आगमन
11:41 am to 11:50 am :	स्वागत एवं दीप प्रज्वलन
11:51 am to 12:04 pm :	स्वागत भाषण
12:05 pm to 12:15 pm :	संरक्षक/समन्वयक द्वारा संबोधन
12:16 pm to 12:45 pm :	वैधराज पन्नश्री श्री हेमचंद मांडीजी का संबोधन
12:46 pm to 1:30 pm :	श्री अश्वनी कुमार कांगे जी का संबोधन
1:30 pm to 2:00 pm :	भोजन
2:10 pm to 2:30 pm :	प्रो. भारतेन्दु समुंद जी का संबोधन
2:31 pm to 3:00 pm :	श्री उपेन्द्र ठाकुर जी का संबोधन
3:01 pm to 4:00 pm :	औषधीय पौधों के संबंध में समृद्ध पारंपरिक ज्ञान पर सामूहिक चर्चा
4:01 pm to 4:15 pm :	चाय
4:16 pm to 5:0 pm :	डॉ. दीपेंद्र सिंह, पं. रविशंकर शुक्ल विश्वविद्यालय रायपुर, का "पारंपरिक ज्ञान प्रणाली में उद्यमी और सत्यापन अनिवार्यता पर उद्बोधन"
5:01 pm to 5:15 pm :	प्रमाण पत्र वितरण
5:16 pm to 5:30 pm :	धन्यवाद प्रस्ताव

दूसरे दिवस का कार्यक्रम (10 मई 2024)

10:00 am to 10:30 am :	पंजीकरण
10:31 am to 10:40 am :	मुख्य अतिथि एवं वक्ताओं का आगमन
10:41 am to 10:50 am :	स्वागत भाषण
10:51 am to 11:05 am :	संरक्षक/समन्वयक द्वारा संबोधन
11:06 am to 11:20 am :	मुख्य अतिथि पन्नश्री श्री अजय कुमार मंडावी जी, का संबोधन
11:21 am to 11:40 am :	डॉ. केशव कांत साहू, पं. रविशंकर शुक्ल विश्वविद्यालय रायपुर, "औषधीय पौधों के समृद्ध पारंपरिक ज्ञान के संरक्षण"
11:41 am to 12:00 am :	श्री हरवंश सिंह मिरि जी एवं डॉ. वीरबल साहू जी का संबोधन
12:01 pm to 12:30 pm :	डॉ. मंजू सिंह, पं. रविशंकर शुक्ल विश्वविद्यालय रायपुर, "स्वरोजगार की ओर आत्मनिर्भर"
12:31 pm to 1:00 pm :	महिला स्वयं सहायता समूह भानवेड़ा (सफलता की कहानी) (महुआ लड्डू, हर्ष अचार)
1:01 pm to 1:30 pm :	औषधीय पौधों के संबंध में समृद्ध पारंपरिक ज्ञान पर सामूहिक चर्चा
1:31 pm to 1:40 pm :	प्रमाण पत्र वितरण
1:41 pm to 1:55 pm :	धन्यवाद प्रस्ताव

संपर्क सूत्र : डॉ. नागेंद्र कुमार चंद्रवंशी, परियोजना अन्वेषक, मो. नंबर: 62635-37426



दो दिवसीय कार्यशाला

स्वदेशी ज्ञान का एकीकरण:

पारंपरिक औषधीय पौधों की सतत खेती और

स्वास्थ्यजन लाभ

आयोजन स्थल

शासकीय इंदरू केंवट कन्या महाविद्यालय

कांकेर

09-10 मई 2024

आयोजक

पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर

एवं

आईआईटी भिलाई इनोवेशन एंड टेक्नोलॉजी फाउंडेशन, भिलाई





** आयोजन समिति **

संरक्षक

प्रो. सच्चिदानंद शुक्ल
कुलपति

पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर

प्रो. राजीव प्रकाश
निदेशक

भारतीय प्रौद्योगिकी संस्थान, भिलाई



संयोजक

प्रो. संतोष बिस्वास

अंतरिम मु. का. अ., (आईबीआईटीएफ)
भिलाई

प्रो. जितेंद्र कुमार बास्ते
प्राचार्य

शा. इंदरू केंवट कन्या महाविद्यालय, कांकेर

प्रो. कल्लोल कुमार घोष

परियोजना समन्वयक, पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर

कार्यक्रम समन्वयक

डॉ. केशव कांत झा, जैवप्रौद्योगिकी अध्ययनशाला, रविवि, रायपुर

डॉ. मंजू सिंह, विश्वविद्यालय फार्मेसी संस्थान, रविवि, रायपुर

डॉ. दीपेंद्र सिंह, विश्वविद्यालय फार्मेसी संस्थान, रविवि, रायपुर

आयोजन सचिव

डॉ. नागेंद्र कुमार चंद्रवंशी, जैवप्रौद्योगिकी अध्ययनशाला, रविवि, रायपुर

डॉ. इंद्रपाल कश्माल, रसायन अध्ययनशाला, रविवि, रायपुर

श्री मनोज कुमार, शासकीय इंदरू केंवट कन्या महाविद्यालय, कांकेर

आयोजन समिति के सदस्य

श्री पंकज कुमार झा, जैवप्रौद्योगिकी अध्ययनशाला, रविवि, रायपुर

श्री खेमराज झा, जैवप्रौद्योगिकी अध्ययनशाला, रविवि, रायपुर

सुश्री रेजा अली, जैवप्रौद्योगिकी अध्ययनशाला, रविवि, रायपुर

श्री बलराम कवाडे, जैवप्रौद्योगिकी अध्ययनशाला, रविवि, रायपुर

प्रस्तावना

प्राचीन काल से औषधीय पौधों को पारंपरिक चिकित्सा प्रणाली का प्रमुख आधार माना गया है। उनमें से कई स्थानीय आहार के मूलभूत घटक भी हैं। मानव स्वास्थ्य और पर्यावरणीय स्थिरता पर जलवायु परिवर्तन के प्रभावों को संबोधित करने के साथ-साथ सतत विकास लक्ष्यों तक पहुंचने के लिए स्थायी जीवन शैली में परिवर्तन की तत्काल आवश्यकता प्रतीत होती है। इसी तारतम्य में पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर और आईआईटी भिलाई इनोवेशन एंड टेक्नोलॉजी फंडेशन, भिलाई द्वारा संयुक्त रूप से कार्यशाला का आयोजन शासकीय इंदरू केंवट कन्या महाविद्यालय, कांकेर में किया जा रहा है।

इस कार्यशाला का उद्देश्य पारंपरिक चिकित्सा प्रणाली में उपयोग होने वाले औषधीय पौधों एवं स्वदेशी ज्ञान को संकलित और साझा करना है, जिसके आधार पर औषधीय पौधों को चिन्हित कर उनके संरक्षण के दिशा में कार्य करते हुए, सतत खेती के माध्यम से इनका उत्पादन तथा गुणवत्ता को बढ़ावा देना है। इसके अलावा, जनजातीय आबादी को संवेदनशील बनाना भी है, जिसे औषधीय महत्व के पौधों की आधुनिक खेती और विस्तारित मूल्यवर्धन तथा स्थिरता के साथ स्व-रोज़गार और उद्यमिता के प्रति आत्मनिर्भर बनाने के दिशा में भी प्रेरित करना है, परिणामस्वरूप स्थायी आजीविका को बढ़ावा देने के लिए उनके पारंपरिक ज्ञान का वैज्ञानिक सत्यापन की भी आवश्यकता होगी। इस कार्यक्रम में स्थानीय पारंपरिक चिकित्सक और सामाजिक सशक्तीकरण के क्षेत्र में कार्य कर रहे विद्वान विशेषज्ञ व्याख्यान तथा सामूहिक चर्चा के माध्यम से अपने विचार साझा करेंगे।

* कार्यशाला में भाग लेने वाले प्रतिभागी हैं:

1. पारंपरिक चिकित्सक।
2. औषधीय पौधे या लघु वन उत्पाद संग्रहकर्ता और कृषक।

* प्रतिभागियों के लिए कार्यशाला का उद्देश्य:

1. पारंपरिक चिकित्सकों को पारंपरिक ज्ञान के संरक्षण के बारे में जागरूक करना।
2. औषधीय पौधे की कटाई, संग्रहण एवं वैज्ञानिक मान्यता के महत्व के बारे में जानकारी देना।
3. औषधीय पौधों के संग्रह की स्थायी प्रथाओं के प्रति उन्हें स्व-रोज़गार और उद्यमिता के प्रति प्रेरित एवं आत्मनिर्भर बनाना।

* कार्यशाला के संभावित परिणाम:

1. औषधीय पौधों के संबंध में समृद्ध पारंपरिक ज्ञान को संरक्षित करने में मदद मिलेगी।
2. स्थानीय स्वास्थ्य परंपरा का पुनरुद्धार एवं उपयोगकर्ता के अनुकूल वेबपोर्टल से स्थानीय समुदाय और अन्य अंतिम उपयोगकर्ताओं के लिए बहुमूल्य जानकारी उपलब्ध होगी।
3. औषधीय पौधों की सतत खेती प्राथमिक हितधारकों के लिए एक आजीविका स्रोत हो सकती है।

Appendix-B: Photos, and Video attached

Glimpses of the workshop

1st day of Workshop



The Workshop Coordinators extended a warm welcomed to the esteemed Chief Guest, Padmashree Shri Hemchand Manjhi Jee



Padmashree Shri Hemchand Manjhi Jee showcases their expertise in the field of treatment through live demonstrations



Program organizers with Chief guest Padmashree Shri Hemchand Manjhi Jee



GPS Map Camera
Kanker, Chhattisgarh, India
7FHQ+XF7, National Highway 43, Kanker, Chhattisgarh 494334, India
Lat 20.279897°
Long 81.488662°
09/05/24 11:48 AM GMT +05:30



The commencement of the First Days Workshop



First Days Workshop's Inauguration

During the event, Chief Guest Padmashree Shri Hemchand Manjhi Jee delivered a speech, addressing the participants



Attendees enthusiastically participated in the session

Mr. Ashwani Kumar Kange Jee, addressing participants



Mr. Ashwani Kumar Kange, addressing participants



Address by Mr. Peshawar Thakur Jee, addressing participants



Participants actively engaged in the session



Guest of honoured by Program organizers



Local healers presenting small token of love to Guest of honour





Vote of thanks by the Organizing Secretary



Group Photograph with Padmashree Shri Hemchand Manjhi Jee



Lunch session



Post lunch session



Mr. Sonsay Sweta Jee, Speaker addressing audience



Speaker honoured by Organizing team



Local healer, participating in group discussion



Mr. Vijay Kumar Nag (Local Healer Sharing his Experience and knowledge



Demonstration on Removal of Eye Cobwebs By Mr. Vijay Kumar Nag



Mr. Porte Local healer Sharing his Experience and knowledge



Prof. Bhartendu Samund addressing audience



Mr. Champulal Sinha addressing audience



Mr. L. Jain addressing audience



Dr. Mithlesh Sinha addressing audience



Mr. Manoj Kumar Patel addressing audience



Mr. Lala Ram Sinha addressing audience

Guest of honoured by organizing team





Participants group photo

2nd day Photograph of Workshop



General interaction with the Chief Guest Padmashree Shri Ajay Kumar Madavi Jee and other members



Inauguration of the second day's program



Participated in 2nd day Workshop



Inaguration of 2nd days programm



The program coordinator welcomed Chief guest Padmashree Shri Shri Ajay Kumar Mandvi Jee



Felicitation and welcoming guests with a bouquet



The Organizing Secretary welcoming the Principal of Indaru Kenwat Girls College, Kanker



Address by Chief Guest Padmashree Shri Ajay Kumar Mandvi Jee (Discussed the impact of psychology on the process of healing)



Mr. Mane Singh Kawde (Traditional Healer & Social Worker) sharing his knowlege and experience



Mrs. LakshatinDarpatti (Women's Self-Help Group) sharing her experience



Mr. AjayHapad (Social worker) Adressing Participants and imparting his wisdom and expertise



Certificate Distribution by the Guest of Honour

Certificate Distribution by the Guest of Honour



Padmashree Shri Ajay Kumar Mandvi, the esteemed Chief Guest, was presented with a memento as a token of honor

The esteemed guests are presenting a memento to the self-help group didi's

Appendix-C: Video link

Workshop related videos

1. https://drive.google.com/file/d/1_a1CVjLU4YEK5VBEPnt6iQJH4Cc0i9r0/view?usp=sharing

