NIILM UNIVERSITY, KAITHAL, INDIA

AICTE Sponsored Two Days National Conference

"Indigenous Knowledge System and Recent Advances in Science, Management, Engineering & Technology for Sustainable Development"

OCT 30–31, 2025

Centre for Professional Development, NIILM University, Kaithal, Haryana, is organizing Two Days AICTE Sponsored National Conference on "Indigenous Knowledge System and Recent Advances in Science, Management, Engineering & Technology for Sustainable Development" on Oct 30-31, 2025.

INTRODUCTION:

In an era of growing environmental crises, social inequalities, and rapidly increasing technological advancements, the need for sustainable development has never been more urgent. The International Conference on "Indigenous Knowledge Systems & Recent Advances in Science, Management, Engineering & Technology for Sustainable Development" serves as an important platform to bridge traditional knowledge with modern innovation. This multi-disciplinary platform unites indigenous knowledge holders, researchers, policy makers, scientists, engineers, and industry leaders to explore how indigenous knowledge systems (IKS) can complement cutting-edge advances in science, management, engineering, and technology to achieve the United Nations Sustainable Development Goals (SDGs). By promoting respectful collaboration, the conference aims to create equitable, resilient, & sustainable solutions to global challenges such as climate change, biodiversity loss, & social inequality.

OBJECTIVES:

The conference is driven by a clear set of objectives designed to promote synergies b/wIndigenous & modern knowledge systems:

1. Integration of knowledge systems: Facilitate the convergence of IKS with advances in science, management, engineering, & technology to develop holistic, sustainable solutions.

2. Alignment with the SDGs: Ensure that discussions & outcomes contribute to global sustainability goals, particularly relating to climate action, clean energy, sustainable communities, and equitable education.

3. Amplification of Indigenous voices: Provide a platform for Indigenous communities to share their knowledge, practices, & perspectives, ensuring that their contributions are Respd. & Recgd

4. Promoting collaborative research: Encourage interdisciplinary & cross-cultural research to translate IKS into practical applications for sustainable development.

5. Ethical engagement: Advocate for research and development practices that respect Indigenous intellectual property, cultural sovereignty, & community priorities

6. Innovate for resilience: Explore how Indigenous knowledge, combined with technologies such as artificial intelligence (AI), biotechnology, & renewable energy, can enhance resilience in areas such as climate adaptation, resource management, & health care.

Call for Research Papers:

Well-researched papers from multiple disciplines are invited from academicians, research scholars, students, and professionals from different institutions for presentation at the Conference. A proceeding book of the Conference, including all abstracts (all presenters) with ISBN, papers presented during the Conference, and full papers as per choice to publish with ISBN, soft copy will be provided to all research presenters.

PAPER- PUBLICATION:

Authors who will present their research papers at the Conference will be eligible to send their research paper (same as presented) for publication in the NIILM University International Multidisciplinary Journals, peer-reviewed academic/ scholarly, open-access journals with DOI

SUBMISSION GUIDELINES:

For publication

- Full-length papers should not exceed 6000 words; don't add endnotes or footnotes.
- For English, the full paper should be typed in Microsoft Word. The font should be "Times New Roman with "12" sizes for matter,16 sizes in bold for the title, 14 sizes in bold for main headings & 12 sizes in bold for the sub-headings, having a line spacing of 1.5 inches and a one-inch custom margin on all sides & A4 Size Paper.
- For Hindi Full paper: It should be typed in Microsoft Word in "Unicode" with font size 14 for content, 16 bold for the title & 14 bold for headings, having a line spacing of 1.5 inches & a one inch custom margin all sides.
- A Uniform Style for citations should be strictly adhered to while submitting full length papers. All in-text citations must be hyperlinked with the references. Use the word reference tab for cross-referencing & hyperlinking. We also recommend you use Mendeley or other referencing tools.
- Submit a brief profile of the author on the Word file/ doc file, which should not exceed more than one page, and try to keep it as brief as possible.
- Each article must be submitted with an impact statement of not more than 150 words.
- References/ bibliography must be serialized as 1, 2, ..
- Provide your ORCID, and include your ORCID in your article just below your name.
- Must check grammar under the review tab of MS Word.
- Full-length papers shall be emailed to **seminar@niilmuniversity.ac.in**

SUB-THEMES :

1. Role of Indigenous Knowledge in Climate Resilience
2. Traditional Agricultural Practices for Food Security
3. Water Conservation Techniques
4. Ethnomedicine and Herbal Healing Systems
5. Tribal Innovations in Natural Resource Management
6. Forestry and Biodiversity Conservation
7. Sustainable Rural Livelihoods through Traditional Skills
8. Role of Local Knowledge in Disaster Management
9. Architecture and Eco-Friendly Housing
10. Sustainable energy solutions for off-grid communities.
11. Community-Based Waste Management Practices
12. Traditional Knowledge and Circular Economy Models
13. Ethnobotany and Sustainable Use of Plant Resources
14. Fusion of Tribal Architecture with Green Building Technology.
15. Preservation of Traditional Knowledge through Digital Tools
16. Role of Women in Sustaining Indigenous Knowledge
17. Traditional rainwater harvesting systems & their scalability.
18. Traditional Irrigation Systems and Modern Applications
19. Robotics and automation in traditional crafts.
20. Smart cities incorporating cultural heritage.
21. Cross-Cultural Knowledge Exchange for Sustainability
22. Role of NGOs in Preserving Indigenous Heritage
23. Bio-prospecting and Indigenous Ecological Wisdom
24. Traditional Festivals & Sustainable Community Practices
25. Meteorological Forecasting Techniques
26. Microfinance models based on traditional lending practices.
27. Traditional Craftsmanship & Modern Market Linkages
28. Livestock Management for Agroecology.
29. Policy Frameworks for Promoting Indigenous Knowledge
30. Traditional Music, Dance, & Sustainable Social Fabric
31. Nanotechnology applications in traditional medicine.
32. Blockchain for Protecting Traditional Knowledge
33. Green Energy Innovations from Tribal Communities
34. Energy-efficient traditional housing designs.
35. Traditional Conflict Resolution & Environmental Ethics
36. Water Body Restoration through Indigenous Wisdom
37. Digital Documentation of Tribal Science Practices
38. Tribal Entrepreneurship for Sustainable Development
39. Culinary tourism based on traditional food practices.
40. Multidisciplinary Approaches to Indigenous Knowledge
41. Role of Indigenous Food Systems in Nutrition Security
42. Languages and their role in knowledge transmission.
43. Geo-Spatial Mapping of Indigenous Resource Use
44. Integration of Indigenous Ethics in AI Development
45. Engineering Sustainable Futures with Design Principles
46. Integrating Indigenous Water Harvesting Techniques into Modern Hydrology.

47. Traditional Soil Enrichment Methods for Sustainable Agriculture
48. Management strategies for sustainable tourism.
49. Digital Archiving of Oral Histories and Cultural Heritage
50. Traditional Weaving Patterns in Smart Textile Engineering
51. Folk Music Data Analytics for Cultural Preservation
52. AI-Driven Analysis of Ancient Agricultural Calendars
53. Traditional Conflict-Resolution Mechanisms in Project Management
54. Cross-Generational Knowledge Transfer through E-Learning
55. Traditional Saltpan Restoration Techniques for Coastal Resilience
56. Community-based healthcare models combining traditional & modern practices.
57. Traditional energy sources and their modern applications for sustainability.
58. Traditional architectural designs for climate-responsive buildings.
59. Supply chain management using local knowledge for sustainability.
60. Festivals and their role in sustainable community development.
61. Traditional healing practices and their convergence with contemporary medical and biotechnological advancements.
62. Ethno-botany and sustainable resource management: Bridging ancestral wisdom with modern conservation strategies.
63. Indigenous engineering and architectural principles informing sustainable infrastructure development.
64. Leveraging Indigenous knowledge for ethical AI and data governance in technological innovation.
65. Preserving and revitalizing Indigenous languages as a conduit for knowledge transmission in STEM fields.
66. Exploring the intersection of Indigenous astronomy and contemporary space science for holistic understanding.
67. Indigenous philosophies of well-being guiding sustainable business models and ethical entrepreneurship.
68. Decolonizing STEM education and research methodologies through Indigenous epistemologies.
69. Biocultural restoration: Blending Indigenous land stewardship with ecological engineering.
70. Cybersecurity and digital well-being from an Indigenous perspective.
71. Protecting Indigenous intellectual property rights in technological advancements and traditional knowledge commercialization.
72. Satellite technology and geospatial analysis for Indigenous land monitoring and climate adaptation.
73. Neuro-Indigenous Interface Technologies
74. Ethical Robotics and Indigenous Care Systems
75. Indigenous-inspired Biomimicry & Advanced Materials Science

CONFERENCE FEE:

Participation Fee: Rs. 500
Participation & Presentation Fee: Rs. 1000 (Rs. 500 for each co-author; co-author need not register separately, mention the details of the co-author in the registration form.) There is no participation fee for SC/ ST candidates.

CONFERENCE SCHEDULE:

Date: October 30-31, 2025
Venue: NIILM University, Kaithal, Haryana
Last date of registration: October 20, 2025

SOP:
Step 1: Submit the fee
Step 2: Register online at the given link:
Step 3: Send abstract/ full paper to **seminar@niilmuniversity.ac.in**
Step 4: You will get an acceptance in reply to the email

Fee Submission Details:
Account Holder Name- NIILM University
Account No- 50100159479920
IFSC Code- HDFC0003231
Bank Branch Address- HDFC Bank Village Keorak, Kaithal, Haryana

Scan & Register   **Scan & Pay**

- **Last date of abstract/ full paper submission:** October 20, 2025
- **Registration link:** https://forms.gle/HY4W7cU2JsG6kYCY7

Conference Contact & Helpline

- **Mob. 9992800217, 9996117689**
- **Email: seminar@niilmuniversity.ac.in**

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ABOUT THE UNIVERSITY

Established in 2011, NIILM University in Haryana offers
quality, skill-focused education with a strong emphasis on
21st-century skills and values. Home to North India's first AI
Campus, it aligns with NEP 2020 and prepares students for a
dynamic world through flexible, innovative, and industry-
relevant programs. With personalized attention and expert
faculty, NIILM fosters creativity, resilience, and global
competitiveness.

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