

# National Conference on Next-Gen materials

Polymers and Composites for Health and  
Environment (NCPCHE - 2025)

Eswari beeram  
M.M. Kesavulu  
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*Editors*



**National Conference on Next- Gen materials: Polymers and Composites for Health and Environment (NCPCHE - 2025)**

**(HYBRID Mode)**

**July 17<sup>th</sup> – 19<sup>th</sup> 2025**

**Department of Biological and Chemical Sciences,  
School of Liberal arts and Science**

**CONFERENCE PROCEEDINGS – National conference on Next-  
Gen materials: Polymers and Composites for health and  
Environment (NCPCHE 2025)**



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# National Conference on Next-Gen materials: Polymers and Composites for Health and Environment (NCPCHE - 2025)

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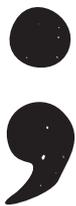
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### INAUGURATION DETAILS

<b>S.NO</b>	<b>DETAILS OF THE SESSION</b>	<b>TIMINGS</b>
1.	Welcome address	10:00 am to 10:05am
2.	Invocation song	10:05 am to 10:10am
3.	Lightening of Lamp	10:10 am to 10:15am
3.	Speech by Vice- Chancellor Prof. Nagraj Ramrao	10:15 am -10:20 am
3.	Introduction /Speech about National conference by Dean SoLAS	10:20am to 10:25am
4.	Speech By Dean RI	10:25 am -10:30am

**SCHEDULE FOR NATIONAL CONFERENCE ON NEXT - GEN  
MATERIALS: POLYMERS AND COMPOSITES FOR HEALTH AND  
ENVIRONMENT HELD ON JULY 17<sup>TH</sup> - 19<sup>TH</sup> 2025**

<b>DAY: 1</b>		
<b>S.N O</b>	<b>CONTENTS</b>	<b>TIMING SCHEDULE</b>
1.	Inaugural session	10:00 am to 10:30 am
2.	Oral session on Nutraceuticals: Bridging the Gap Between Food and Medicine in Modern Health care by Vema Kiran, MBU	10:30am to 10:45am
3.	Oral session on Phytoremediation of Heavy Metal contaminated Soil using Helianthus annuus, Clitoria ternatea, Lantana camara, Calendula officinalis and tagetes erecta by B Nounika, Mohan Babu University	10:45 am to 11:05am
	Tea break	11: 05am - 11:25am
4.	Oral Presentation on Building an NLU Engine for Real- time summarization of stream Data by Sree Harsha, MBU	11:25 am - 11:40 am
5.	Oral presentation on Extruded product with Black berry seed By- Product: Eco-friendly Sustainable Approach to utilize Bio active Compounds by Dr. R. Bharathi, Sri Padmavathi Mahila Viswa Vidyalayam	11:40am -11:55pm
6.	Oral Presentation on The future of Nanotechnology: emerging applications and trends by D. Lakshman Kumar, MBU	11:55 pm – 12:10 pm
7.	Oral Presentation on Status characterisation and quantification of Municipal corporation solid waste by Vanitha Nandyala	12:10 pm - 12:25 pm
8.	Oral Presentation on Comparative Study on Oro Dispersible Tablets of Candesartan Cilexetil formulated with natural and synthetic disintegrants by G. Umarani, Osmania University	12:25pm – 12:40 pm
9.	Oral Presentation on Influence of environmental awareness, practices and sustainability- a comprehensive review by Dr. K. Rukmini, Sri Padmavathi Mahila Viswa Vidyalayam	12:40 pm – 12:55 pm
10.	Poster Presentation on Phytochemical Screening and Evaluation of Antioxidant, Antibacterial, and Anti - inflammatory Activities of Bambusa vulgaris leaf Extracts	12:55 pm – 1:10 pm
	Lunch Break	1:10 pm - 2:30 pm
11.	<b>Key note session by Dr. Ravi Kumar Pujala, HSER Tirupati</b>	<b>2:30 pm - 3:10 pm</b>
12.	<b>Key note Presentation by Dr. Ashish Agarwal,</b>	<b>3:10 pm to 3:50 pm</b>

	<b>IIT BHU</b>	
	Tea break	3:50 pm - 4:10 pm
13.	<b>Plenary session by Dr. Suresh rayala, IIT Madras</b>	<b>4:10pm - 4:50pm</b>
<b>DAY : 2</b>		
14.	<b>Key note session by Dr. Subash Chandra Gupta, AIIMS, Guwahati</b>	<b>10: 00 am to 10:45 am</b>
15.		10:45 am - 11: 00 am
16.	Tea break	11:00 am - 11: 20 am
17.	Oral Presentation on Green Synthesis of Zinc oxide nanoparticles for Active Food Packaging by Dr. K. Gnaneswari, Sri Padmavathi Mahila Viswa Vidyalayam	11:20 am - 11:35 am
18.	Oral presentation on Exploring Locust Bean Gum and synthetic Disintegrants in Fast Dissolving Tablet Formulations of Cefuroxime Axetil	11:35 am - 11:50 am
19.	<b>Plenary session by Dr. S. Thiruppathi, Technical &amp; Innovative Textile Solution Center, Tamilnadu.</b>	<b>11:50 am – 12:30 pm</b>
20.	<b>Key note Presentation by Dr. Sanjith Kumar, Guru Gasidhas University, Bilaspur</b>	<b>12: 30 pm – 1:10 pm</b>
21.	Lunch Break	1:10 pm - 2:15 pm
22.	<b>Key note Presentation by Dr. Ram Sagar Mishra, JNU, New Delhi</b>	<b>2:15 pm - 2: 45 pm</b>
23.	Oral Presentation on Effect of Microplastics on Human Reproductive Health	2: 45 pm - 3:00 pm
24.	Oral Presentation on Identification and structure prediction of Obesity markers and design of anti-obesity drugs	3:00 pm - 3:15 pm
25.	Tea Break	3:15 pm - 3:35 pm
26.	Oral Presentation on "Synergistic effects of virtual reality-based rehabilitation and pharmacological management on pain and function in patients with knee osteoarthritis: a novel integrative approach by Vaheeda, Saveetha Institute of Medical and Technical Sciences,	3:35 pm - 3:50 pm
27.	Oral presentation on Intelligent Health Profile Using GE and IoMT Sensor feedback for Personalised health monitoring and predictive diagnostics- study	3:50 pm - 4:05 pm
28.	Oral Presentation on Federated Learning in Healthcare: Privacy-Preserving Optimization Strategies by Sree Harsha, MBU	4:05 pm - 4:20 pm
<b>POSTER PRESENTATIONS</b>		
29.	Poster Presentation on Caralluma fimbriata, Taraxacum officinale, Lusitatissimum, Tigonella foenum graecum- impact on obesity and lipid metabolism	4:00 pm- 4:50 pm
30.	Poster Presentation on Exploring Microbial Diversity and Resistance Genes in Soil Sediments of Pullicat lake: A brackish water Lagoon of Andhra Pradesh	

31.	Poster Presentation on Chemistry with Nanoparticles Synthesis, properties and Applications by P. Pravallika, Mohan Babu University	
32.	Poster Presentation on The Bedside-to-Bench side Approach with Traditional Medicine: A New Paradigm for Integrative Neurological Therapeutics	
33.	Poster Presentation on CARBOHYDRATE METABOLISM – A REVIEW	
34.	Poster Presentation on Phytochemical Screening and Evaluation of Antioxidant, Antibacterial, and Anti-Inflammatory Activities of Bambusa vulgaris Leaf Extracts	
<b>Day: 3</b>		
35.	<b>Key note presentation by Dr. Kameswara Rao Badri, More house School of medicine, Atlanta</b>	<b>10:30 am - 11:15 am</b>
36.	Tea Break	11: 15 am - 11:30 am
37.	Valedictory	11:30 pm – 12:00 pm
38.	National anthem	12:00pm - 12:06 pm

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