

NanoWorld Journal



Preface of 5NANO 2023

5NANO2023 is a collaborative effort – a joint venture, sponsored by AICTE, SERB-DST, Govt. of India, technically co-sponsored by IEEE Photonics Society USA, hosted by IEEE Photonics Society Student Chapter, and VISAT Engineering College (Ernakulam, Kerala, India). The program features a rich tapestry of presentations, keynotes, and panel discussions, that encapsulate the diversity and depth of nanotechnology applications. This conference covers a wide range of topics, from manipulating matter at the nanoscale to creating novel materials, advancing nano-electronic devices, integrating nano-photonics into communication technologies, exploring applications in bioscience, and investigating sustainable nanomaterials. It truly embodies the spirit of frontier discovery and innovation.

5NANO2023 received 660 full paper submissions and 15 tutorial proposals. All the submitted papers were processed by the chairs and track chairs of the Technical Program Committee and the chairs of Special Sessions, while the tutorial proposals were processed by the Tutorial Chairs. They worked professionally, responsibly, and diligently in soliciting expert international reviewers. In addition to evaluations from reviewers, they also provided their own assessments in ensuring that only high-quality papers and tutorial proposals could be accepted. Their hard work resulted in a very solid technical program. After the detailed review, 135 papers were selected for oral presentation. More than 150 participants from various institutions representing countries such as Russia, Australia, Japan, Egypt, United Kingdom, Switzerland, and United States of America.

Besides the parallel technical sessions and technical activities, fifteen keynote addresses were delivered, covering the state-of-the-art in both theory and applications in nano-photonics.

All the sessions, including the keynote address sessions, forum/panel sessions of technical activities, tutorials and parallel technical sessions attracted active participation from those in attendance and produced fruitful discussions.

We express our gratitude to NanoWorld Journal for their support in publishing the conference proceedings in their journal.

The success of this event would not be possible without the dedication of our organizing committee, the invaluable contributions of our esteemed speakers, publication partner, and the active participation of all attendees. We express our gratitude to each individual and organization that has played a role in shaping this conference into a vibrant platform for sharing ideas and fostering collaborations.

Guest Editors:

1. Dr. J. Ajayan, SR University, Warangal, Telangana, India.
2. Dr. Manikandan, Presidency University, Bengaluru, Karnataka, India.
3. Dr. G. Lyods Raja, NIT Patna, Bihar, India.
4. K.J. Jeepa, A.P.J. Abdul Kalam Technological University, Thiruvananthapuram, Kerala, India.
5. Eugene Peter, IISc, Bengaluru, Karnataka, India.
6. T.D. Subha, R.M.K. Engineering College, Chennai, Tamil Nadu, India.
7. Dhilip Kumar, Loyola Engineering College, Chennai, Tamil Nadu, India.
8. Dr. K.J. Anoop, Saveetha Engineering College, Chennai, Tamil Nadu, India.
9. Dr. T.D. Subash, VISAT Engineering College, Ernakulam, Kerala, India.
10. Prof. I. Titus, Karunya Institute of Science and Technology, Coimbatore, Tamil Nadu, India.

List of Reviewers:

S. No.	Name of the Reviewer	Affiliation
1	Dr. J. Ajayan	SR University, Warangal, India
2	Dr. M. Manikandan	Presidency University, Bengaluru, India
3	Dr. G. Lyods Raja	NIT, Patna, India
4	Dr. Malathy Batumalay	INTI International University, Malaysia
5	Dr. Veena Raj	Universiti Brunei, Darussalam, Brunei
6	Dr. Rudra Sankar Dhar	NIT, Mizoram, India
7	Dr. Nelsa Abraham	Government Engineering College, Trivandrum, India
8	Dr. Perumal Sankar	Toch Institute of Technology, Kerala, India
9	K.J. Jeepa	A.P.J. Abdul Kalam Technological University, Kerala, India
10	Eugene Peter	IISc, Bengaluru, India
11	Dr. Walid Tawfik	Cairo University, Egypt
12	T.D. Subha	R.M.K. Engineering College, Chennai, India
13	Arunachala Perumal	Ramco Institute of Technology, Tamil Nadu, India
14	Dhilip Kumar	Loyola Engineering College, Chennai, India
15	Brinda	Sai Ram Engineering College, Chennai, India
16	Moorthy	Saveetha Engineering College, Chennai, India
17	Darwin Jose Raju	St Xaviers Engineering College, Tamil Nadu, India
18	Dr. K.J. Anoop	Saveetha Engineering College, Tamil Nadu, India
19	Dr. K.S. Joseph Wilson	Arul Andar College, Tamil Nadu, India
20	Mathana	Hindustan Institute of Technology, Chennai, India
21	Arun	R.M.K. Engineering College, Chennai, India
22	G. Anjana	VISAT Engineering College, Kerala, India
23	V.P. Reshma	VISAT Engineering College, Kerala, India
24	Nacema Nazar	VISAT Engineering College, Kerala, India
25	Smitha Sunil	VISAT Engineering College, Kerala, India
26	K. Hima	VISAT Engineering College, Kerala, India
27	Indu Chandran	VISAT Engineering College, Kerala, India
28	K.R. Rahul	VISAT Engineering College, Kerala, India
29	Dr. T.D. Subash	VISAT Engineering College, Kerala, India
30	Kanchana	Saveetha Engineering College, Chennai, India
31	Elvin Kuruvila	VISAT Engineering College, Kerala, India
32	Divya Nair	VISAT Engineering College, Kerala, India
33	Preethi	Cochin University of Science and Technology, Kerala, India
34	V. Janani	SRM Institute of Science and Technology, Chennai, India
35	Dr. R.G. Sangeetha	Vellore Institute of Technology, Chennai, India
36	Prof. I. Titus	Karunya Institute of Science and Technology, Tamil Nadu, India
37	Dr. S. Sreejith	New Horizon Institute of Technology, Bengaluru, India

Received: October 11, 2023

Accepted: December 18, 2023

Published: December 21, 2023

Citation: Preface of 5NANO 2023. *NanoWorld J* 9(S5): S548-S549.

Copyright: © 2023. This is an Open Access article distributed under the terms of the Creative Commons Attribution 4.0 International License (CC-BY) (<http://creativecommons.org/licenses/by/4.0/>) which permits commercial use, including reproduction, adaptation, and distribution of the article provided the original author and source are credited.

Published by United Scientific Group