



**Institution's Innovation Council, SDUAHER**

**Name of Event:** Guest lecture: Potential health risks of artificial colorants and bio-derived pigments with applications and ethical use of AI in scientific publication.

**Name of Department:** Jalappa Foundation for Innovation and Incubation in association with institution's Innovation council, SDUAHER and Research and Development cell, SDUAHER.

**Date:** 25-11-2025

Sl. No	Event Report
1.	Level of Event
Institution	
2.	Background / Introduction
<p>The presentation “<b>Artificial Colorants and the Rise of Bioderived Alternatives &amp; Their Application</b>” by <b>Dr. Antony V. Samrot</b> provided an in-depth overview of synthetic food dyes, their health implications, and the global transition toward natural, sustainable pigments. Dr. Samrot outlined the commonly used artificial colorants permitted in foods and the growing evidence linking several of them—such as Ponceau 4R, Carmoisine, Erythrosine, and Tartrazine—to adverse effects including hyperactivity in children, allergic reactions, and potential toxicity. These concerns have fuelled public demand and regulatory interest in safer colour alternatives. Dr. Samrot explained how natural pigments derived from plants, microbes, and other biological sources—such as carotenoids, anthocyanins, curcumin, chlorophyll, paprika, and beetroot pigments—offer safer, environmentally friendly colour solutions with antioxidant and functional benefits. The presentation highlights the expanding market potential for these natural dyes, driven by consumer preference for clean-label products and global shifts toward eco-friendly manufacturing. A significant part of the talk showcases research on pigments extracted from onion peel, mangosteen peel, duckweed, and red cabbage, detailing their characterization through UV-Vis, FTIR, TGA, and their</p>	



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application in textile dyeing, UV protection, and silver nanoparticle synthesis. The session concludes by emphasizing innovation, sustainability, and patentability in advancing bioderived pigments for industrial use.

Dr. Indran Suyambulingam explained about the ethical use of AI in scientific publication requires transparency, integrity, and accountability. Dr. Indran emphasised AI tools may assist with language refinement, data analysis, and idea organization, but they must not replace original scientific thinking or authorship. Researchers should clearly disclose any AI assistance, ensure accuracy of AI-generated content, and verify all references and data. AI must not be used to fabricate results, manipulate images, or generate misleading information. Human oversight is essential, and responsibility for the final work rests with the authors. Upholding these principles ensures credibility, protects scientific integrity, and promotes responsible advancement of AI in research.

3.	Venue
BC Roy hall, Library 1 <sup>st</sup> floor, SDUAHER 10.00am to 1.00pm	
4.	Sponsors:
NIL	
5.	Inauguration
The event was inaugurated in the presence of Honorable Vice-chancellor Dr B Vengamma along with the resource persons of the event Dr Antony VS and Dr. Indran Suyambulingam. The patrons present in the event included Dr D V L N Prasad, Chief Administrative Officer, SDUAHER, Dr Muninarayana C, Registrar, SDUAHER, Dr Kalyani R, Director, R & C cell, SDUAHER, Dr Ashwini N S, Chief Coordinator, IIC, SDUAHER, Dr Sudarshan K, Deputy Coordinator, IIC, SDUAHER.	



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6.	Speakers
<p>1. Dr. Antony V. Samrot is a distinguished academic and research leader currently serving as the Director of the Research Management Centre at Manipal University College Malaysia. With a strong background in microbiology and biotechnology, he has contributed significantly to research development, academic leadership, and scholarly advancement. Prior to MUCM, he held senior roles at MAHSA University and spent over 17 years at Sathyabama University in positions ranging from Assistant Professor to Head of Technology and Development. A PhD holder from Bharathidasan University, Dr. Samrot is known for his dedication to fostering research culture and supporting innovation in higher education.</p> <p>2. Dr. Indran Suyambulingam is currently working as a Professor in the Department of Mechanical Engineering at Alliance University, Bangalore. He worked as a Research Scientist at Natural Composites Research Group Lab, King Mongkut's University of Technology North Bangkok, Thailand. Recognized as one of the World's Top 2% Scientists by Stanford University and as Highly Cited Scientists in 2022 and 2023.</p>	
7.	Participants & Delegates – Number with names



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Guest Lecture Signature List 25 <sup>th</sup> November 2025					
Sl. No	Name	Designation	Department	Signature	Email ID
1	Dr. JASHWANTH. D	TUTOR	Anatomy	<i>Jash</i>	jushwanth99@gmail.com
2	Dr. GAGAN KUMAR. H. A	TUTOR	Anatomy	<i>Gagan</i>	gagankumarha99@gmail.com
3	Dr Ashmita Banik	AP	Microbiology	<i>Ashmita</i>	ashmitakulittp8@gmail.com
4	Dr. Shrivani. V	TUTOR	Anatomy	<i>Shri</i>	vshrivani4@gmail.com
5	Dr. Vadlu Chethana	Tutor	Anatomy	<i>Chethana</i>	vadluchothana@gmail.com
6	Dr. Greshma	Tutor / Professor	Microbiology	<i>gresh</i>	greshmaduvv@gmail.com
7	Dr. Bhagathi V	Tutor	Anatomy	<i>Bhagathi</i>	bhagathi3@gmail.com
8	Dr. Somashetkar S	Tutor	Anatomy	<i>Somashetkar</i>	drsomashetkar@gmail.com
9	Dr. Shiva Kumar. B. C	TUTOR	Anatomy	<i>Shiva</i>	shivakumarbc100@gmail.com
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11	Sardeep R. Reddy	PHD scholar	CBMG	<i>Sardeep</i>	Sardeep8265@gmail.com
12	Dr Ashwini Bilgi	Asst Prof	Int. studies	<i>Ashwini</i>	ashwini bilgi@sduaher.ac.in
13	Dr. Akshay G. S	tutor	Biochemistry	<i>Akshay</i>	akshayg90@gmail.com



# SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

(A Deemed to be University declared under Section 3 of UGC Act 1956)

Comprising Sri Devaraj Urs Medical College  
[Constituent unit of Sri Devaraj Urs Educational Trust for Backward Classes (Regd.)]  
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16	Dr. Parvathi	Tutor	Anatomy	<i>Parv</i>	guddybds90.pb@gmail.com
17	Dr. Srinivasan	SR	Radiology	<i>Srin</i>	sivasi@neuro@gmail.com
18	Dr. Bhargani. S	Assistant Professor	Pharmacy	<i>Bharg</i>	bhargani.skir23@gmail.com
19	Dr. Parvathi. M	SR	pediatrics	<i>Parv</i>	maramreddysaiteja@gmail.com
20	Dr. Deekshitha. H	JR	Dentistry	<i>Deekshitha</i>	Deekshithadeekshitha24@gmail.com
21	Ms. Shriya. S	PhD Scholar	Int. Medicine	<i>Shriya</i>	shriya.svk0@gmail.com
22	Aditi S Gopi	1 <sup>st</sup> Year MBBS Roll No: 8	Student	<i>Aditi</i>	
23	Anjali Yadav	1 <sup>st</sup> Year MBBS Roll No: 18	Student	<i>Anjali</i>	
24	Abhilasha Mane	1 <sup>st</sup> yr. MBBS Roll No.: 04	student	<i>Abhilasha</i>	
25	Akshaiya Kirushni	1 <sup>st</sup> yr. MBBS Roll NO: 13	Student	<i>Akshaiya</i>	
26	AKSHITHA R	1 <sup>st</sup> yr MBBS ROLL NO.: 14	STUDENT	<i>R. Akshitha</i>	
27	Arjun Vijay A.K	1 <sup>st</sup> yr MBBS Roll no: 20	Student	<i>Arjun</i>	
28	Adarsh Kumar 'R'	1 <sup>st</sup> yr MBBS Roll No: 06	Student	<i>Adarsh Kumar</i>	
29	Aneesh Srinivas	1 <sup>st</sup> yr MBBS Roll No: 15	Student	<i>Aneesh</i>	
30	Anisuddha. T. A	1 <sup>st</sup> Year MBBS Roll no. 17	Student	<i>Anisuddha</i>	



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49	Adit Das	1 <sup>st</sup> year MBBS Roll No:- 7	Student	Adit Das	
50	Aanush Das	1 <sup>st</sup> Year MBBS Roll no: 2	Student	Aanush	
51	Abhinav Singh Mahara	1 <sup>st</sup> Year MBBS Roll no. - 05	Student		
52	AASHRITH.S. PATIL	1 <sup>st</sup> year Roll NO:- MBBS 3	Student		
53	ADVAITH ANIL KUMAR	1 <sup>st</sup> YEAR ROLL No.: 9	STUDENT		
54	ANGELO VARGHESE	1 <sup>st</sup> YEAR ROLL NO: 6	STUDENT		
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56	Aishwarya.B	1 <sup>st</sup> Year Roll No: 11	Student	Aishwarya.B	
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60	Kvca.Madhavi Latta	23PY1002	Ph.D Scholar		
61	Krusha Shah	1 <sup>st</sup> year Roll No: 82	Student		
62	Khushi Mehta	1 <sup>st</sup> year Roll no: 79	Student	Khushi	
63	Kashuie Sharma	1 <sup>st</sup> year Roll no: 74	Student		
64	Kashish Choudhury	1 <sup>st</sup> year Roll no.: 73	Student	Kashish	



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65	KUSHAGRA ASHWAT	Ist year Roll no: 87	Student	Kushagra Ashwat	
66	KUSHAGRA KARN	1 <sup>st</sup> year Roll no: 88	Student	Kushagra Karn	
67	Kanraj verma	1 <sup>st</sup> year Roll no: 76	student	Kanraj	
68	KUHAR ADITYA	1 <sup>st</sup> year Roll no: 86	Student	Aditya	
69	Keesthana Gowda	1 <sup>st</sup> year Roll no: 77	Student	Keestha	
70	Lahari.R.V	1 <sup>st</sup> year Roll no: 90	Student	Lahari	
71	KOMALKUMARI	1 <sup>st</sup> year Roll-81	student	Komal Kumari	
72	Krishangeel Patil	1 <sup>st</sup> year Roll no: 83	Student	Krishangeel Patil	
73	KUSHAL GOWDA S.M	1 <sup>st</sup> year RL. no:-89	student	Kushal Gowda	
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75	Karthick Rajan.M	1 <sup>st</sup> year RL. no: 71	Student	M. Karthick	
76	K.Trinath reddy	1 <sup>st</sup> Year RLno: 75	student	KTR	
77	KRITI KRISHNA	1 <sup>st</sup> year Roll no: 84	Student	Kriti Krishna	
78	Khushi Ramesh Gowda	1 <sup>st</sup> year Roll no: 80	student	Khushi	
79	Kritika Srivastava	1 <sup>st</sup> year Roll no: 85	Student	Kritika	
80					
81					

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8.	Prize Distribution etc....
Guest speakers were presented with a memento and a certificate as token of appreciation for delivering the talk.	
9.	Valedictory Ceremony
The event concluded with the vote of thanks from Dr Ashwini N S and thanked the students and the faculty who attended the event and made the event successful.	
10.	Highlights of Events including Photos :





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