

*Celebrating your Generosity of*

**Shri Venu Aravamudan**

---



**IMPACT OF YOUR  
GIVING IN 2023**



INDIAN INSTITUTE OF TECHNOLOGY MADRAS  
OFFICE OF ALUMNI AND CORPORATE RELATIONS

## Director's message

Greetings!

IIT Madras continues to retain her top position for the seventh consecutive year, in the National Institute Ranking Framework, thanks to the world-class research of its faculty and students. The contribution and support of Alumni and well-wishers like you has crucially helped this standing and stature. Our achievements in research, education, innovation and entrepreneurship have also earned us the recognition of an 'Institute of Eminence' as well as the top position in the Atal Innovation Ranking from the Government of India.

The institute is making an indelible mark with her 'research with impact' in several areas including quantum computing, drinking water technology, industrially relevant mathematical models for governance, rendering cancer-cure more effective. Our centres of excellence, the Center for Innovation, Nirmaan – the pre-incubator, the Incubation Cell, technology centres such as 'IITM-Pravartak' and others, work in unison for not just our nation's building, but societies world-wide. We aspire to be locally impactful and globally relevant through all these efforts.

Towards exploring new research frontiers, a Department of Medical Sciences and Technology has been launched to conjoin medicine and engineering. Similarly, a School of Sustainability is on the horizon to research sustainable practices in the Global South. The campus is moving towards 'carbon-net-zero' goal through water conservation by 100% recycling, efficient garbage disposal, and electrification of vehicles. The traditional education system is undergoing a paradigm shift, with our online Bachelor of Science programme in Data Sciences and the National Program of Technology Enhanced Learning, that have won Gold in the 'Lifelong Learning' category and Silver in the 'Best Online Program' category of the Wharton-QS Reimagine Education Awards 2022 respectively. IIT Madras is leading this revolution from the front.

Such achievements are not possible without the deep-rooted faith and support of alumni and well-wishers such as yourself. We are indebted to you for your generous, bountiful, and impactful contributions. On behalf of IIT Madras, I offer you our deepest gratitude for continuing to strengthen the Institute. Together with your support, we are confident of building an IIT Madras that is more inclusive, diverse, and enabled by an ecosystem to be nationally relevant and globally recognised. Thank you!



**Prof. Kamakoti Veezhinathan**  
**Director, IITM**



## Dean's message

I express my heartfelt gratitude to you for your generous support to IIT Madras. We appreciate your passion in supporting the causes you do and I assure you that your contributions will be optimally utilised. This report has been compiled to convey how your largesse has touched lives and made a difference at IIT Madras. In keeping with the rapid, contemporary strides in science, technology we have set ambitious goals for ourselves - your continued enthusiasm and support will help us greatly in these endeavours.

**Prof. Mahesh Panchagnula**

**Dean**

**Alumni & Corporate Relations, IITM**

IIT Madras is far more diverse in its set of pursuits, more green and more research-focused. And yet, it remains unchanged over these years, it is still the best Institute in the country, and attracts the best students that India has to offer to come and make a mark. I also cordially invite you to visit your campus to see for yourself, the impact of your contribution, and the growth and transformation the Institute has undergone over the years.

We can never express our gratitude enough for all that you have done - Thank You !



**"GIVING IS NOT JUST ABOUT  
MAKING A DONATION -  
IT'S ABOUT  
MAKING A DIFFERENCE"**



## Shri Venu Aravamudan

Shri Venu Aravamudan was the Senior Vice President of Engineering - Oracle Cloud Platform (Mar 2020 - Sep 2022). He was on the board of SinglePoint, Inc. and Senior Vice President & General Manager at F5 Networks, Inc. He previously occupied the position of VP-Engineering & Product Management at Limelight Networks, Inc., Senior Director at VMware, Inc. and General Manager for Amazon Web Services, Inc. Shri. Aravamudan received his B.Tech. from the Indian Institute of Technology Madras and Master degree from Rensselaer Polytechnic Institute

## Your Contribution to IIT Madras

**2018**

**G. Aravamudan Institute Chair**

# G. Aravamudan Institute Chair

G. Aravamudan Institute Chair was instituted in 2018 by the thoughtful contribution of Shri Venu Aravamudan and it was named after his father Dr. G. Aravamudan, Retired Distinguished Professor, Department of Chemistry IIT Madras.

Prof. G Aravamudan is the stalwart of the Chemistry Department. He is a distinguished teacher, researcher and a leading academic figure served in the Department of Chemistry who helped to establish 'The Material Science Research Centre' at IIT Madras from 1960 through 1994.

He has authored well over 100 papers across leading international journals, taught and advised scores of graduate Ph.D.'s as well as Undergraduate students. Prof. G Aravamudan will always remain as an integral part of IIT Madras.

## First Occupant of G Aravamudan Institute Chair



**Prof. S. Baskaran**  
Professor, Chemistry Department

### Broad Area of Research:



Development of  
New Domino  
Strategies in  
Organic  
Synthesis

Enantioselective  
Synthesis

Synthesis of  
Biologically  
Active  
Molecules and  
Natural  
Products

Drug Design of  
Pharmaceutical  
Importance

## Honours & Affiliation:

- 1991 **Alexander von Humboldt Fellowship**, Germany
- 2008 **Chemical Research Society of India (CRSI)-Medal**
- 2010-15 **National Representative, IUPAC**
- 2013-15 **Member, DST-Fast Track-Young Scientist Scheme**
- 2013 **Fellow** of the **Indian Academy of Sciences (FASc)**
- 2015-18 **Council Member, National Organic Symposium Trust**  
**Co-opted Member, Program Advisory Committee (Organic), SERB**
- 2015 **Associate Editor, J. Chemical Sciences**
- 2018 **Institute Chair Professor**
- 2019 **Prof. G. Aravamudan Chair Professorship**
- 2020 **Fellow** of the **Indian National Science Academy (FNA)**
- 2021 **Present Convener**, Chennai Chapter, **Indian National Science Academy**
- 2022-25 **Member**, Monitoring Committee for **CSIR Mission Mode projects**

## Publications:

- More than eighty-five papers** in international journals
- Five patents** in India and Abroad

## Book Chapter:

Heterocyclic Chiral Auxiliaries in Total Synthesis of Natural Products A. Srivastava, K. D. Veeranna and S. Baskaran Edited by Manfred Braun Topics in Heterocyclic Chemistry 2020, 55, 253-31

## Sponsored Research (Ongoing)

Project Number: <b>SP21221591CYSERB005018</b>	Client Name : Science and Engineering Research Board	Account Type: Sponsored-NON-PFMS	Start date: 21 Dec 2021 Closure date: 20 Dec 2023
Total Sanctioned Value: <b>59,98,696</b>	Sanction Number : CRG/2021/007105	Sanction Date : Fri 17 Dec 2021	
Title of Projects: Novel SET Oxidative Cyclization of Ylide: Synthesis of Functionalized Ring Systems			

## Industrial Projects (Ongoing)

Project Number: <b>RB22231276CYAPEX005018</b>	Client Name : Apex Laboratories Private Limited	Account Type: Consultancy	Start date: 30 Jan 2023 Closure date: 30 Dec 2025
Total Sanctioned Value: <b>28,00,000</b>	Sanction Number :	Sanction Date : Wed 18 Jan 2023	
Title of Projects: Molecular Weight Reduction of Biopolymer- Phase-2			

Project Number: <b>RB21221509CYAPEX005018</b>	Client Name : Apex Laboratories Private Limited	Account Type: Consultancy	Start date: 10 Dec 2021 Closure date: 09 Dec 2024
Total Sanctioned Value: <b>37,80,000</b>	Sanction Number :	Sanction Date : Wed 13 Oct 2021	
Title of Projects: Molecular Weight Reduction of Biopolymer			

Project Number: <b>RB21221082CYAPEX005018</b>	Client Name : Apex Laboratories Private Limited	Account Type: Consultancy	Start date: 01 Jul 2021 Closure date: 30 Jun 2024
Total Sanctioned Value: <b>40,79,492</b>	Sanction Number : Approval Mail Dated (02-07-2021)	Sanction Date : Fri 02 Jul 2021	
Title of Projects: NSAID API as NEW DRUG			

## List of Current Ph.D Students



**Ms. Pramila Devi**

**Mr. D. V. Kirana**



**Ms. Akriti Srivastava**

**Mr. Rahul Verma**



**Mr. Vijay Kumar**

**Mr. Nemichand Pradhan**



**Mr. Ashish Chander Satti**

**Mr. Waghmode Amol Ganpat**



**Mr. Vilas Manikrao Awchar**



**Mr. Rajiv Sen**



**For more details about the research activities of Prof. S. Baskaran**

**CLICK HERE**







*We are grateful to you  
& your family*

## Shri Venu Aravamudan

Thank you for your sustained generosity to IIT Madras over the years. Contributors such as yourself enable our students and Professors to dream big and work towards a better and brighter future. We hope you are proud of your alma mater and how it has remained steadfastly committed to academic and research excellence during and after your time here. You and your family have been instrumental in facilitating this significant growth.

Our efforts to nurture the culture of academic excellence that is the hallmark of IIT Madras - quality education, cutting-edge research, and unfettered creativity - shall continue. We are privileged and humbled to have you and your family walking with us along this trail. We wish you and your family the best always in all walks of life!



Indian Institute of Technology Madras, Chennai – 600036  
[www.iitm.ac.in](http://www.iitm.ac.in)

For more information, please contact:  
Office of Alumni and Corporate Relations  
T: +91-44-2257 8390 | [acr.iitm.ac.in](mailto:acr.iitm.ac.in)



May 2023