



IIT MADRAS

WOMEN LEADING IITM

Annual Report
2022-2023



MESSAGE FROM DIRECTOR



Prof. KAMAKOTI VEEZHINATHAN

Director, IIT Madras

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 is being 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. Your alma mater 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!

MESSAGE FROM DEAN

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 by your 'Donor Relationship Manager', 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.

IIT Madras that you left behind as a graduating student is very different from the IIT Madras of today. It is far more diverse in its set of pursuits, more green and more research-focused. And yet, it remains unchanged from your time that, 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 !



Prof. MAHESH PANCHAGNULA
Dean, Office of Alumni and Corporate Relations,
IIT Madras

Women Leading IITM



Education is the most important factor in empowering women. If women's empowerment in the true sense is ever to be realized, it could be only through education. Without education, women's empowerment is a distant dream and there is no way Sustainable Development Goals can be achieved.

IITM has made considerable progress in improving the number of women students/faculty & creating opportunities for success. IIT Madras launched the 'Women Leading IITM' (WLI) program on March -08th 2021 to boost women's leadership in science and technology. Women Leading IITM is a program to Nurture, Develop and Support women's talent at IITM along with their study/professional careers.

THE GOALS OF THE WOMEN LEADING IITM PROGRAM

1

Increasing the percentage of women faculty in Assistant Professorships to 20% from the current 15%

2

Generating 30% of all faculty applications from Women candidates

3

Grantees expected to graduate to leadership roles within IITM

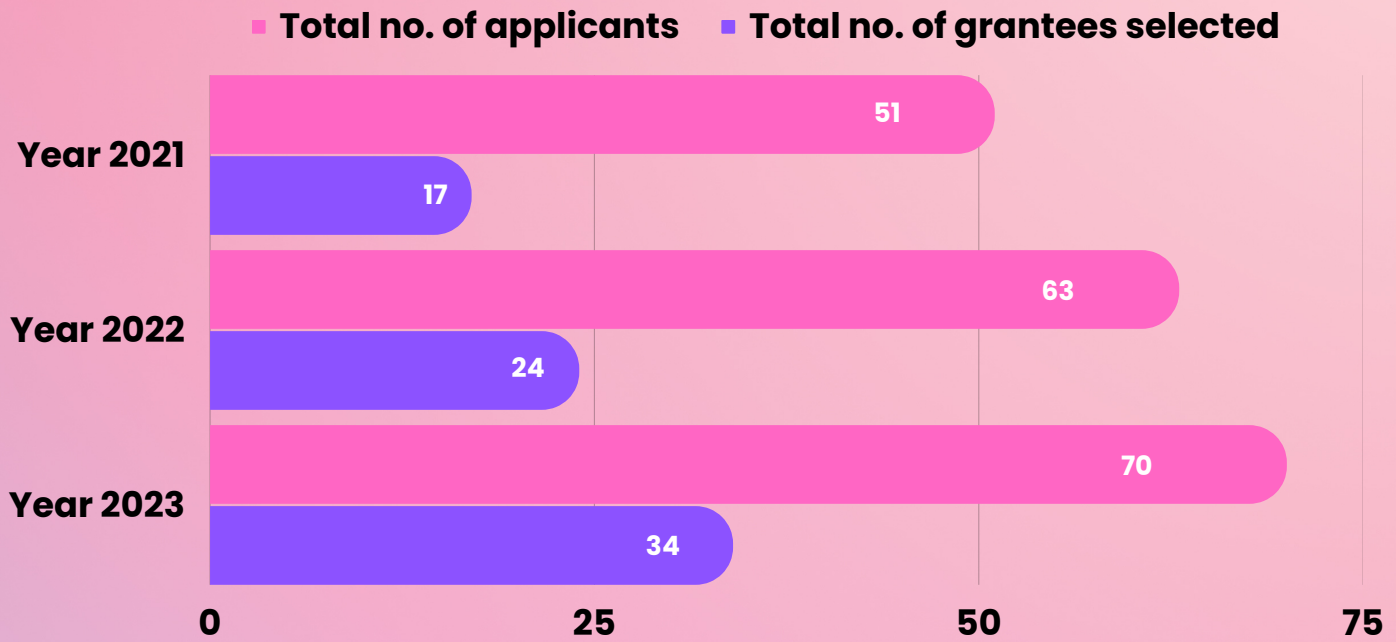
4

Next-generation ambassadors for enabling a gender-balanced IITM

5

Establish an award for Women Faculty in Leadership (Institute already has awards for staff in leadership and given the good presence of women in staff, many have been getting it over the years)

Statistics from 2021 - 2023



The Major Objectives of this Program

Attract/ Recruit

Conduct outreach programs to visit other institutes to get the word out and recruit women post-doc, visiting women faculty, as well as full-time women faculty. Any other proposal to increase woman faculty recruitment will also be considered, Special focus will be on departments with lower women faculty numbers

Run programs that provide physical and emotional safety for women

Secure

Develop/ Promote

Create opportunities for women faculty and Postdoctoral Fellowship to do interdisciplinary work that can yield international research recognition Ex: Responsible AI work for non-Computer Science faculty at Robert Bosch Centre for Data Science and Artificial Intelligence (RBC DSAI)

Support admin to deliver a new/ better mentorship program for women faculty as well as to encourage leadership amongst women faculty (HoDs, Chairpersons, Deans, Director)

Nurture

Support

Ameliorate hurdles to career growth for a woman faculty member Example: a grant to pay for small-child travel while attending a conference, or a grant to provide for better child care while at work (for children up to age 5).

THE COMMITTEE MEMBERS



Prof. Preeti Aghalayam
Chair person
Professor, Dept. of CH, IITM

Prof. Indumathi M. Nambi
Member
Chairperson, Women's Forum
Professor, Dept. of CE, IITM



Prof. Ligy Philip
Member
Former Chair person (WLI)
Professor, Dept. of CE, IITM

Dr. Sheetal Kalyani
Member
Professor, Dept. of EE, IITM



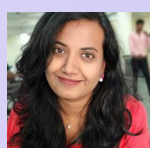
Dr. Shweta Agrawal
Member
Professor, Dept. of CSE, IITM

Prof. Timothy A Gonsalves
Member
Former Professor, IIT Madras



Dr. Louiqa Raschid
Member
IITM Alumni
Professor, University of Maryland

Ms. Shuba Kumar
Member
Past President, IITMAA
Director
Natesan Synchrocones Pvt Ltd



Ms. Swetha Bhupathi
Invitee & Convenor
Senior Advancement Officer
Office of Institutional Advancement, IITM

WLI GRANTEES - 2022



Donia Savio
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Civil Engineering, IITM
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Pooja Hegde
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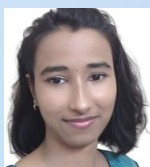
Devapriya A.S.
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Vidya P Warriar
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Anjali P S
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Pritha Dey
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Monica Joseph
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Civil Engineering, IITM
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FEW ACHIEVEMENTS OF OUR 2022 BENEFICIARIES

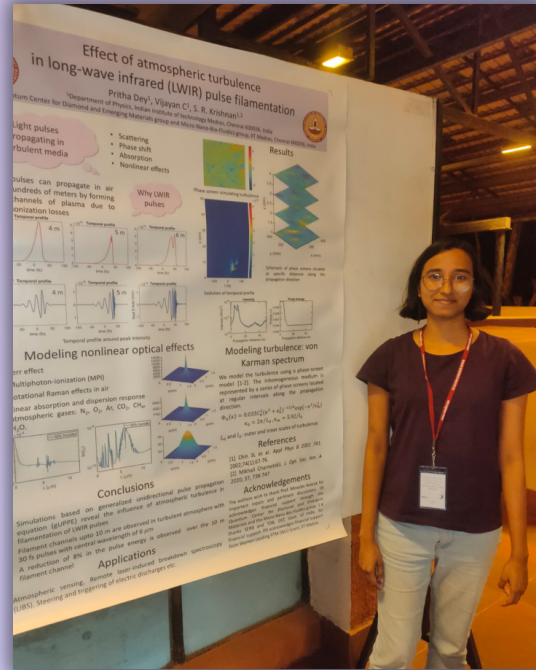
Vaishnavi Sivapuratharasan received Best Presentation Award

10/10/2022



Congratulations to Vaishnavi Sivapuratharasan for the Best Presentation Award in the Applied Microbiology Division at the 15th Asian Congress on Biotechnology Conference, Bali, Indonesia. Her seminar covered some joint work between ITM, Chennai, and RWTH Aachen University. The title of her talk was "Lignin Valorization by Metabolic Engineering of Pseudomonas taiwanensis VLB120". Vaishnavi is the first Co-tellee PhD for her supervisors Prof. Guhan Jayaraman and Prof. Lars M. Blank. Further success for your PhD!

Ms. Vaishnavi S received best presentation award in the 15th Asian Congress on Biotechnology conference, Bali, Indonesia



Ms. Pritha Dey has submitted her presentation SPIE Photonics Europe 2022, Strasbourg, France



Ms. Prabhavathy S has participated in the International Association for Computer Methods and Advances in Geomechanics (IACMAG) conference, Turin, Italy



Ms. Harija Harikumar has won 1st prize in Student Presentation award in 15th International Conference on Sensing Technology, ICST'15 Sydney, Australia

13 - 17 November 2022
 2022 IEEE Photonics Conference (IPC)
<https://ipc2022.exordo.com>

Dear Anjali Prabhakaran Sheela,

Congratulations! The Technical Program Committee for the 2022 IEEE Photonics Conference (IPC) appreciates your submission. I am pleased to inform you that your paper titled "Stability Analysis of Diode Pumped Actively Mode-Locked Thulium Doped Fiber Laser" has been accepted for oral presentation during the conference being held 13-17 November 2022 at the Hyatt Regency Vancouver, Canada.

Ms. Anjali PS paper has been selected for oral presentation during the conference at Hyatt Regency Vancouver, Canada

Microscale Ocean Biophysics 2022

This is to certify that

Della Thomas

Indian Institute Of Technology-Madras

Has attended the **Microscale Ocean Biophysics 6.0** held in Museu de la Mar, Sóller (Mallorca) from 22nd to 27th May 2022.

Palma, 27th May 2022



Idán Tuval
Organizing committee



<https://www.microscalemeeting.org>



Ms. Della Thomas has attended the Microscale Ocean Biophysics 6.0 program in Museu de la Mar, Sóller (Mallorca)

Ms. Vaishnavi S received best poster presentation award in EMBO Lecture Course conducted by IISER Berhampur

WLI GRANTEES - 2023

70

Total no. of applicants

34

No. of Grantees selected

₹ 70.4 Lakhs

Total Fund allotted



AISHWARYA RAMESH
Ph.D Scholar
Dept of Management Studies



AMBILI B
Ph.D Scholar
Dept of Civil Engineering



ANBUTHANGAM A
Ph.D Scholar
Dept of Metallurgical and Materials Engineering

JESNA
Ph.D Scholar
Dept of Civil Engineering



K LEENA
Ph.D Scholar
Dept of Biotechnology



SRILAKSHMI K
Ph.D Scholar
Dept of Ocean Engineering





ANUREKA R
Ph.D Scholar
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ASHNA JOY
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Dept of Humanities and Social Sciences



ATHIRA A
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CHIPPY ALPHONS AUGUSTINE
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DEBASRITA KAR
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SAILAKSHMI G
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GAYATHRI R
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JESLIN P ISSAC
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Dept of Engineering Design



PRITHA DEY
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MEDHA PANDEY
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SHANMUGA PRIYA R
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SWETA THANGRIYAL
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Dept of Chemistry



SINDHU K J
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VIDHYA G
Ph.D Scholar
Dept of Biotechnology



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We would like to take this opportunity again to express our heartfelt gratitude to all those who made benevolent contributions towards the growth and development of IIT Madras.



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**For more information, please contact:
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March 2023