



IIT MADRAS



WOMEN LEADING IITM –
QUARTERLY REPORT 2022

WOMEN LEADING IITM (WLI)

Women are the heart and soul of the world. A nation's progress is marked by the progress of its women. This is what IIT Madras has been doing since the beginning to empower women. Ms. Mira Ziaudin joined IITM as the first female faculty in 1962. In 1968, Ms. M. A. Vedavalli became the first female graduate from IITM receiving her B.Tech. in Electrical Engineering degree from Dr. Vikram A. Sarabhai. Since then, it has been a parade of firsts, the first women's hostel – Sarayu came up in 1967, Dr. Usha Titus became the first female Registrar in 2003, Prof. Kamala Krithivasan became the first woman to head a department at IIT Madras in 1992, Prof. Ligy Philip took over as the first female Dean in 2017, and the list goes on.

Recognizing the importance of women in society and the various challenges they have to often overcome, IIT Madras has started Women Leading IITM to recruit-secure-promote-nurture-support women. The priorities of this initiative are to fund late-year Ph.D. students, come up with innovative projects to address obstacles facing career growth, offer mentorship to a substantial number of women in IITM, create administrative support for women's initiatives, and for childcare.

An all-women selection committee consisting of IITM faculty members, ACR member, 1 IITMAA member, 1 IITMF board member, and an honorary member, selected 18 awardees to be supported in 2021-22 from a total of 51 applicants. Even the non-awardees will be mentored to help secure alternate funding.

THE COMMITTEE MEMBERS -2021



Prof. Ligy Philip

Dean Planning
Professor
Dept. of CE, IITM



Prof. Preeti Aghalayam

Professor
Dept of CH,
IITM



Prof. Shweta Agrawal

Professor
Dept of CSE,
IITM



Prof. Sheetal Kalyani

Professor
Dept of EE, IITM



Ms. Rohini Chakravarthy
Board Member,
IITMF



Ms. Raji Baskaran
Honorary Alumna



Ms. Shuba Kumar
President, IITMAA



Ms. Priya Sundaram
OIA, IIT M



WLI GRANTEES 2021



SHEREENA P JOY

Research Scholar
Biotechnology, IITM

Title: Thermoset bio plastic from waste liquor obtained from pre-treatment of lignocellulosic biomass

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SARAYU M

Research Scholar
Biotechnology, IITM

Title: Metabolic engineering strategies for enhanced production of camptothecin in plant cells of *Nothapodyte nimmoniana*

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INDHU R

Ph.D Scholar
Mechanical Engineering, IITM

Title: Sustainable and green manufacturing of lightweight structures for automobile sector

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NIMMY THANKOM PHILIP

Ph.D Scholar
Applied Mechanics, IITM

Title: Development of decision-making tool for the surgical intervention of aneurysm through CFD based modelling.

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BANUVATHY R

Ph.D Scholar
Applied Mechanics, IITM

Title: IS THE LITTLE FINGER NECESSARILY A WEAKER FINGER?

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DYANA JOSELINE

Ph.D Scholar
Civil Engineering, IITM

Title: Durability-based specifications for high strength steel reinforcement used in prestressed concrete structures

[Read more](#)



HIMA ELSA SHAJI

Ph.D Scholar
Civil Engineering, IITM

Title: IMPROVING TRAVEL TIME PREDICTIONS USING CLUSTERING AND OPTIMUM NUMBER OF SECTIONS

[Read more](#)

Research Scholar
Civil Engineering, IITM

Title: Optimisation of Solvent use and Waste generation in pharmaceutical industries through the application of Green Engineering Principles

[Read more](#)

SRUTHY S



RA. G. PRIVITA EDWINA

Ph.D Scholar
Applied Mechanics, IITM

Title: Studying the relation between cellular 3D traction and membrane mechanics in cells under confinement

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Ph.D Scholar
Physics, IITM

Title: Study of Climatic Phenomena: A Network-based approach for El Nino and La Nina episodes

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RUBY SAHA



Dr. PREETI AGHALAYAM

Professor
Chemical Engineering, IITM

Title: Utilizing Gamification to make Gender Sensitivity Approachable to IITM Students

[Read more](#)

Assistant Professor
Humanities and Social Sciences, IITM

Title: Gender Audit: Understanding the gendering of IIT Madras

Dr. MATHANGI KRISHNAMOORTHY





Dr. SHANTI BHATTACHARYA

Professor
Electrical Engineering, IITM
Title: Creating a Gender and Diversity-sensitive Institute
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Assistant Professor
Management Studies, IITM

Dr. RUPASHREE BARAL

Title: Creating a ripple effect through inspiring, nurturing, and empowering women
[Read more](#)



Dr. M. HAMSA PRIYA

Assistant Professor
Biotechnology, IITM
Title: Manpower Support to Uplift the Research Career of a Woman Assistant Professor
[Read more](#)

Professor
Civil Engineering, IITM
Chairperson, Women's Forum
Title: Staff support for Womens Forum
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Dr. INDUMATHI MANIVANNAN NAMBI



Feedback video of the grantees [CLICK HERE](#)

WOMEN LEADING IITM 2022-23 GRANTEES



ANJALI P S
Ph.D. Scholar
Electrical
Engineering



DELLA THOMAS
Ph.D. Scholar
Engineering
Design



MONICA JOSEPH
Ph.D. Scholar
Civil Engineering



POOJA HEGDE
Ph.D. Scholar
Ocean
Engineering



PRABAVATHY S
Ph.D. Scholar
Civil Engineering



MENAKA K
Ph.D. Scholar
Civil Engineering



PRITHA DEY
Ph.D. Scholar
Physics



**AVILASHA
ANNANYA
SANDILYA**
Ph.D. Scholar
Biotechnology



**SUMANA
BRAHMA**
Ph.D. Scholar
Chemistry



DONIA SAVIO
Ph.D. Scholar
Civil Engineering



**D MADHURIMA
REDDY**
Ph.D. Scholar
Chemical
Engineering



SIVAPRIYA S
Ph.D. Scholar
Biotechnology



**VIDYA P
WARRIAR**
Ph.D. Scholar
Biotechnology



**DHANALAKSHMI
PADMARAJ**
Ph.D. Scholar
Civil Engineering



RAJANI K
Ph.D. Scholar
Biotechnology



**VAISHNAVI
GUJJULA**
Ph.D. Scholar
Mathematics



**PRIYANKA
SWARNKAR**
Ph.D. Scholar
Mechanical
Engineering



SINDHU K J
Ph.D. Scholar
Biotechnology



VAISHNAVI S
Ph.D. Scholar
Biotechnology



SHALINI B
Ph.D. Scholar
Civil Engineering



DEVAPRIYA A.S.
Ph.D. Scholar
Civil Engineering



**HARIJA
HARIKUMAR**
Ph.D. Scholar
Chemical
Engineering



**DIVYA
RAJENDRAN**
Ph.D. Scholar
Biotechnology



HEMASHREE G
Ph.D. Scholar
Biotechnology

Thank you!

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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