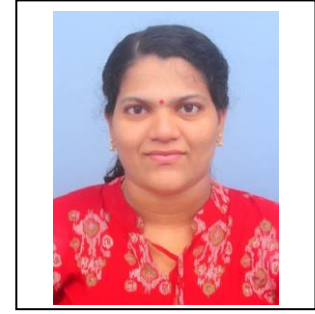


# National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

## Curriculum Vitae



### Brief Profile:

Dr. Lekshmi Mohan V currently serves as an Assistant Professor in the Department of Civil Engineering at NIT Tiruchirappalli. She holds a Ph.D. in Civil Engineering from IIT Madras and brings a wealth of expertise to her academic pursuits. Her academic journey includes an M. Tech. degree in Environmental Engineering from SV National Institute of Technology, Surat. Prior to her academic career, Dr. Lekshmi contributed significantly to real-world Air Quality Management challenges during her tenure as a Senior Program Associate-Air Quality at the World Resources Institute (WRI) India. There, she focused on policy implementation and management aspects for air pollution mitigation in collaboration with the Greater Chennai Corporation. Her commitment to advancing knowledge in her field is evidenced by the impressive track record, which includes over 2 research publications, 4 conference publications, and a patent. Her research interests span indoor and urban air quality monitoring, modelling, air pollution control technologies, and exposure assessment.

1. Name: Dr. Lekshmi Mohan V
2. Designation: Assistant Professor
3. Office Address: Room No. 302, Annex Building,  
Department of Civil Engineering, NIT  
Tiruchirappalli, Tamil Nadu- 620015
4. Telephone (Direct) (Optional):  
Telephone: Extn (Optional):  
Mobile (Optional): 7012305168
5. Email (Primary): lekshmi@nitt.edu Email (Secondary):  
lekshnimohanv@gmail.com
6. Field(s) of Specialization: Environmental Engineering
7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	NIT Tiruchirappalli	March 2024	Till date
Senior Program Associate	World Resources Institute (WRI) India	February 2024	March 2024
Project Officer	IIT Madras	November 2014	July 2015

8. Academic Qualifications (From Highest Degree to High School):

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Examination	Board / University	Year	Division/ Grade	Subjects
Ph. D.	IIT Madras	2021	First	Civil Engineering
M. Tech.	SVNIT Surat	2014	First	Environmental Engineering
B. E.	Anna University, Chennai	2012	First	Civil Engineering
XII	Tamil Nadu State Board	2008	First	MBPC
X	Tamil Nadu Matriculation Board	2006	First	General

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2021	Institute Research Award	IIT Madras
2021	Gayathree Devi Award	IIT Madras

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

13. Details of Academic Work

(i) Curriculum Development

(ii) Courses taught at Postgraduate and Undergraduate levels

**UG level:** Basics of Civil Engineering, Introduction to Civil Engineering and Environmental Engineering Laboratory.

**PG level:** Analytical Methods for Environmental Monitoring and Air Pollution and Control Engineering.

(iii) Projects guided at Postgraduate level

(iv) Other contribution(s)

14. Details of Major R&D Projects

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Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role (Supervisor/ Co-Supervisor)	Year of Award

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
2-7 <sup>th</sup> March 2020	QIP-STTP on Air Delivery systems and Indoor Environmental Quality	National	Student Volunteer	IIT Madras	IIT Madras
18-20 <sup>th</sup> December 2019	Indian International Conference on Air Quality Management	International	Paper presenter	IIT Madras, IIT Bombay and UNT	IIT Bombay
1-2 <sup>nd</sup> February 2019	Asian Conference on Indoor Environmental Quality	National	Paper presenter	SIE	New Delhi
20-25 <sup>th</sup> November 2018	Short term course on “Human Comfort and Indoor Air Quality”	National	Participant	IIT Madras	IIT Madras
22-27 <sup>th</sup> July 2018	15th International Conference on Indoor Air Quality	International	Paper presenter	ISIAQ	Philadelphia, USA

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	and Climate (INDOOR AIR 2018)				
24-26 <sup>th</sup> May 2018	5 <sup>th</sup> National Conference on Refrigeration and Air-Conditioning	National	Paper presenter	IIT Madras and NIT Surathkal	NIT Surathkal
18-20 <sup>th</sup> December 2017	Workshop on “Air pollution, climate change and human health in India: Interlinked challenges”	International	Participant	Clarkson- SRU- ICMR Indo-US Knowledge Initiative Project	SRMC Chennai
1-2 <sup>nd</sup> June 2017	2 <sup>nd</sup> Indian International Conference on Air Quality Management	International	Paper presenter	IIT Madras, IIT Delhi	IIT Delhi
22 <sup>nd</sup> March 2016	IGCS 2016	International	Paper presenter	IIT Madras	IIT Madras
11-13 <sup>th</sup> February 2016	Winter School on “Urban Air Pollution and Health Risk”	National	Participant	IIT Madras	IIT Madras
10-15 <sup>th</sup> November 2014	Continuing Education Program (CEP) on “Air Quality Modelling”	National	Participant	IIT Madras	IIT Madras
12-13 December 2014	Workshop on “Exposure Monitoring systems for Air Quality Management”	National	Participant	IIT Madras	IIT Madras

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/  
Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue

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### 18. Invited Talks delivered

Topic	Date	Inviting Organization
Ultrafine particles that we breathe: an invisible menace	5 <sup>th</sup> June 2024	IIT Madras

### 19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date

### 20. Academic Foreign Visits

Country	Duration of Visit	Programme

### 21. Publications

#### (A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Lekshmi Mohan V, Shiva Nagendra S. M., Maiya M. P.	Photocatalytic degradation of gaseous toluene using self-assembled air filter based on chitosan/ activated carbon/TiO <sub>2</sub>	Journal of Environmental Chemical Engineering	7	103455	2019	7.4

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(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Lekshmi Mohan V, Shiva Nagendra S. M., Maiya M. P.	Heterogeneous Photocatalysis for Indoor Air Purification: Recent Advances in Technology from Material to Reactor Modelling	Select Proceedings of ACIEQ 2021	147-166	-	New Delhi	2019
Lekshmi Mohan V, Shiva Nagendra S. M., Maiya M. P.	Personal exposure to ultrafine particles inside academic work environments in tropical climate	15th Conference of the International Society of Indoor Air Quality and Climate, INDOOR AIR 2018	807	Concentrations and Exposure	Philadelphia, USA	2018
Ravikrishna R. Shiva Nagendra SM, Uwe Schlink, Jyothi S Menon, Lekshmi Mohan V, Sathyanarayana N Gummadi	Air quality and personal exposure in residential, industrial and high traffic regions	Proceedings of IGCS Conference on sustainability; Exploring planetary boundaries and their challenges and opportunities	184-188	-	IIT Madras	2016
Lekshmi Mohan V, M Mansoor Ahammed, Abhilash T Nair	Greywater treatment using Electrocoagulation	The 12th IWA Conference on Small Water & Wastewater Systems and Resources Oriented Sanitation	47-48	-	Muscat, Oman	2014

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(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
Lekshmi Mohan V, Shiva Nagendra S. M., Maiya M. P.	Heterogeneous Photocatalysis for Indoor Air Purification: Recent Advances in Technology from Material to Reactor Modelling	Springer	2020	978-981-15-1334-3