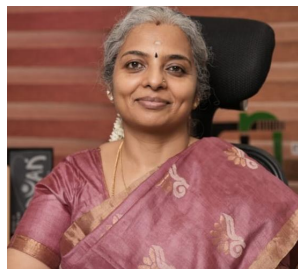


## CURRICULUM VITAE

### 1. NAME & ADDRESS

**Dr. Iyer Vijayalaxmi Kasinath**

Professor,  
Dept. of Architecture,  
School of Planning and Architecture, Vijayawada,  
Institute of National Importance under the MoE,  
Government of India.



### 2. DETAILS OF QUALIFICATIONS

- i. B.Arch. - Completed in 1995 from School of Architecture and Planning, Anna University in First Class with Distinction.
- ii. M.Arch. - Completed in 1997 from School of Architecture and Planning , Anna University, Chennai
- iii. Ph.D. – Completed in 2008 as a AICTE QIP Scholar from School of Architecture and Planning , Anna University, Chennai
- iv. Higher Research, - Completed in 2010 as part of Erasmus Mundus Fellowship as Academic Profile from the Politecnico di Milano in the area of Smart Materials and Nano Technology in Buildings

### 3. DETAILS OF EXPERIENCE

| Sl. No | Name and Address of the Institution                                    | Post held                              | Period of time |            |
|--------|--|--|----------------|------------|
|        |  |  | From           | To         |
| 1      | Dept. of Architecture, School of Planning and Architecture, Vijayawada | Professor and Head of the Dept.,       | 25/01/2019     | Till date  |
| 3      | Dept. of Architecture, SAP, Anna University                            | Professor                              | 04/08/2012     | 24/01/2019 |
| 3      | Dept. of Architecture, SAP, Anna University                            | Associate Professor                    | 04/08/2006     | 03/08/2012 |
| 4      | Hindustan College of Engg., Padur,                                     | Assistant Professor, Head of the Dept. | 03/03/2001     | 03/08/2006 |
| 5      | Bharat Engg. College, Selaiyur   | Sr. Lecturer                           | 16/06/1997     | 02/03/2001 |

### 4. ADDITIONAL POSTS HELD AT SPA, Vijayawada

- Head of the Department, Dept. of Architecture from 27/12/2021 till date
- Dean (Research) from 01/02/2019 to 16/02/2021
- Head of the Department i/c from 06/06/2019 to 26/06/2019

- Centre in Charge for CSAB 2022 (Central Seat Allocation Board) for admissions to UG programme.
- Member of Institute Innovation Cell at SPAV
- Departmental Research Committee member from 01/02/2019 to 01/02/2021
- Departmental Under Graduate Committee Member from 27/06/2019- 27/06/2021
- Departmental Post Graduate Committee Convenor from 18/03/2019 – 18/03/2021
- Chairperson of the Institute Purchase Committee from 05/02/2021 to till date
- Coordinator of the Design Innovation Cell from 16/02/2022 to till date
- Chairperson of the Technical Evaluation Committee dated 08/03/2021
- Member of the Department Selection Committee of SPAV for PG & Ph.D. admissions for Department of Architecture for 2020-2021, 2021-22, 2022-23
- Presiding Officer of the Internal Complaints Committee (ICC) from 30/11/2021 to till date
- Member of the committee in facilitating tender for outsourcing manpower services dated 08/12/2021
- Member of the scrutiny committee to evaluate applications of adhoc faculty for the post of Assistant Professor in Architecture & Planning against SPAV advertisement, 4<sup>th</sup> March, 2021.
- Member of committee for reviewing applications of Private Secretary & Section Officer at SPAV, 16<sup>th</sup> Feb 2021.
- Member of the 'Screening Committee' to evaluate the research papers and conference papers to be presented by the faculty members in National/International conferences and requests for participating in workshops/symposia/seminar submitted by the faculty.

## **5. National Programme on Technology Enhanced Learning (NPTEL), SWAYAM ( Study Webs of Active-learning for Young Aspiring Minds) course conducted**

### **1. Architectural Approaches to Decarbonization of Buildings**

Duration : 12 weeks

Credit Points : 3

Level : Undergraduate/Postgraduate

### **2. Building Materials as a Cornerstone to Sustainability**

Duration : 12 weeks

Credit Points : 3

Level : Undergraduate/Postgraduate

### **3. Bioclimatic Architecture: Futureproofing with Simple and Advanced Passive Strategies**

Duration : 12 weeks

Credit Points : 3

Level : Undergraduate/Postgraduate

### **4. Circular Economy for Sustainable Buildings**

Duration : 12 weeks

Credit Points : 3

Level : Undergraduate/Postgraduate

### **5. School Connect : Introduction to Architecture and Design**

Duration : 8 weeks

Level : School Students

### **6. Simple and Advanced Passive tools for Passive Architecture**

Duration : 1 Day workshop

Level : Undergraduate, Postgraduate, Ph.D, Faculty

## **6. BOOKS AUTHORED/EDITED**

1. Vijayalaxmi J, 2023, Building Thermal Performance and Sustainability, Lecture Notes in Civil Engineering 361, Springer Publications, ISSN 2366-2557 ISSN 2366-2565 (electronic), ISBN 978-981-19-9138-7 ISBN 978-981-19-9139-4 (eBook), <https://doi.org/10.1007/978-981-19-9139-4>, Springer Publications, Singapore
2. Vijayalaxmi J., 2023, Building Construction and Technology, Lecture Notes in Civil Engineering 360, Springer Publications, ISSN 2366-2557, ISSN 2366-2565 (electronic), ISBN 978-981-99-3525-3, ISBN 978-981-99-3526-0 (eBook), <https://doi.org/10.1007/978-981-99-3526-0>, Springer Publications, Singapore
3. Vijayalaxmi J., 2024, Conservation of Built Heritage in India- Heritage Mapping and Spatializing Values, Electronic ISBN: 978-981-9983-35-3, Print ISBN- 978-981-9983-34-6 DOI: <https://doi.org/10.1007/978-981-99-8335-3>, Springer Publications, Singapore
4. Shveta M, Vijayalaxmi J ( 2025), Embodied and Operational Carbon of Buildings, Springer Publications. Softcover ISBN 978-981-97-7186-8, eBook ISBN 978-981-97-7187-5
5. Vijayalaxmi J., 2025, Sustainable Architecture: Towards a Greener India, Springer Publications. ISBN 978-981-96-2427-0 Published: 30 April 2025

## **LIST OF PUBLICATIONS**

## **7. INTERNATIONAL PUBLICATIONS**

1. Vijesh Kumar Valiyappurakkal, Shivani Dolas, Aumgana Suresh, Vijayalaxmi J., 2025, Assessing indoor environmental quality of naturally ventilated classrooms in tropical climates, Journal of Building Engineering, Volume 111
2. Sanat Gandhi, Vijayalaxmi Iyer K (2025), Effect of Aspect Ratio on Outdoor Thermal Comfort of a Street Canopy. Proceedings of ZEMCH-2024, 11th Zero Energy Mass Custom Home International Conference, ISSN 2652-2926 , pp 11-27
3. Pooja Solanki, Prof. Vijayalaxmi J (2025), Assessment of Diurnal Thermal Behaviour of Outdoor Surfaces, Proceedings of ZEMCH-2024, 11th Zero Energy Mass Custom Home International Conference, ISSN 2652-2926 , pp. 64-74
4. Sakshi Agrawal, Vijayalaxmi Iyer (2025), Vernacular Architecture and Craft: Creating Climate Responsive Houses and Sustainable Neighborhoods in the Mangalgi Weavers' Cluster, Guntur, Proceedings of ZEMCH-2024, 11th Zero Energy Mass Custom Home International Conference, ISSN 2652-2926, pp. 91-104.
5. S. Sai Krithik, Dr. Iyer Vijayalaxmi Kasinath (2025), Sustainability Analysis of Geopolymer Composites made with Eco-Friendly Activators, Proceedings of ZEMCH-2024, 11th Zero Energy Mass Custom Home International Conference, ISSN 2652-2926, pp 484-487
6. Shivanand , Iyer Vijayalaxmi Kasinath (2025), Analysis of the thermal performance of various locally available building envelope wall materials, Proceedings of ZEMCH-2024, 11th Zero Energy Mass Custom Home International Conference, ISSN 2652-2926, pp. 497-504
7. Yeswanth N , Iyer Vijayalaxmi Kasinath (2025), Experimental study on the validity of results of thermal performance studies using scaled model, Proceedings of ZEMCH-2024, 11th Zero Energy Mass Custom Home International Conference ISSN 2652-2926, pp. 505-514.
8. Allu Revathi Devi , **Vijayalaxmi J** . Ramesh Srikonda, 2023, The Diversity of Street Trees: Density, Composition and Shade in the Urban Residential Areas of Visakhapatnam, ISVS e-journal, ISVS e-journal, Vol. 10, Issue 3, Journal of the International Society for the Study of Vernacular Settlements, pp 146-162.

9. Surendran, V.M.; Irulappan, C. **Jeyasingh, V.** Ramalingam, V., 2023, Thermal Performance Assessment of Envelope Retrofits for Existing School Buildings in a Hot–Humid Climate: A Case Study in Chennai, India. *Buildings*, 13, 1103. <https://doi.org/10.3390/buildings13041103>
10. **Vijayalaxmi J.**, 2023, Building Thermal Performance and Sustainability Issues, 2023, Building Thermal Performance and Sustainability, Lecture Notes in Civil Engineering 316, pp 1-10, [https://doi.org/10.1007/978-981-19-9139-4\\_1](https://doi.org/10.1007/978-981-19-9139-4_1)
11. **Vijayalaxmi J.** (2023), Appropriate Heat Stress Index to Assess Heat Stress in Built Environment in India, Building Thermal Performance and Sustainability, Lecture Notes in Civil Engineering 316, Springer Publications, pp 11-21. [https://doi.org/10.1007/978-981-19-9139-4\\_2](https://doi.org/10.1007/978-981-19-9139-4_2)
12. **Vijayalaxmi J.** (2023), Assessment of Heat Stress Index of Rural Houses in Heat wave-Prone Hot-Humid Climate of Andhra Pradesh, India, Building Thermal Performance and Sustainability, Lecture Notes in Civil Engineering 316, Springer Publications, pp 23-39. [https://doi.org/10.1007/978-981-19-9139-4\\_3](https://doi.org/10.1007/978-981-19-9139-4_3)
13. **Vijayalaxmi J.** (2023), Methods of Assessing Thermal Performance of Buildings, Building Thermal Performance and Sustainability, Lecture Notes in Civil Engineering 316, Springer Publications, pp 41-51. [https://doi.org/10.1007/978-981-19-9139-4\\_4](https://doi.org/10.1007/978-981-19-9139-4_4)
14. **Vijayalaxmi J.** and Kiranje Gandham (2023), Steady-State Assessment of Vertical Greenery Systems on the Thermal Resistance of the Wall and Its Correlation with Thermal Insulation , Building Thermal Performance and Sustainability, Lecture Notes in Civil Engineering 316, Springer Publications, pp 53-69. [https://doi.org/10.1007/978-981-19-9139-4\\_5](https://doi.org/10.1007/978-981-19-9139-4_5)
15. **Vijayalaxmi J.** and Sanjay Antony (2023), Thermal Performance of Bamboo Flat Roof Slab and RCC Flat Roof Filler Slab in Warm-Humid Climate, Building Thermal Performance and Sustainability 316, Lecture Notes in Civil Engineering, Springer Publications, pp 71-85. [https://doi.org/10.1007/978-981-19-9139-4\\_6](https://doi.org/10.1007/978-981-19-9139-4_6)
16. **Vijayalaxmi J.** (2023), Empirical and Dynamic Simulation-Based Assessment of Indoor Thermal Performance in Naturally Ventilated Buildings , Building Thermal Performance and Sustainability, Lecture Notes in Civil Engineering 316, Springer Publications, pp 87-113, [https://doi.org/10.1007/978-981-19-9139-4\\_7](https://doi.org/10.1007/978-981-19-9139-4_7)
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18. Harshita Sahu and **Vijayalaxmi J.** (2023), Optimization of the Integrated Daylighting and Natural Ventilation in a Commercial Building , Building Thermal Performance and Sustainability, Lecture Notes in Civil Engineering 316, Springer Publications, pp 129-149, [https://doi.org/10.1007/978-981-19-9139-4\\_9](https://doi.org/10.1007/978-981-19-9139-4_9)
19. Sowmiya R. and **Vijayalaxmi J.** (2023), A Methodology to Optimize Thermal Conditions of Built Forms for Humans and Birds in a Birds Sanctuary, Building Thermal Performance and Sustainability, Lecture Notes in Civil Engineering 316, Springer Publications, pp 151 -164, [https://doi.org/10.1007/978-981-19-9139-4\\_10](https://doi.org/10.1007/978-981-19-9139-4_10)

20. **Vijayalaxmi J.** (2023), Applications of Smart Building Materials in Sustainable Architecture, Building Thermal Performance and Sustainability, Lecture Notes in Civil Engineering, Springer Publications 316, pp 165 -175, [https://doi.org/10.1007/978-981-19-9139-4\\_11](https://doi.org/10.1007/978-981-19-9139-4_11)
21. **Vijayalaxmi J.** and Hete Dhananjay (2023), An Analytical Assessment and Retrofit Using Nanomaterials of Rural Houses in Heat Wave-Prone Region in India , Building Thermal Performance and Sustainability, Lecture Notes in Civil Engineering, Springer Publications, pp 177 -190., [https://doi.org/10.1007/978-981-19-9139-4\\_12](https://doi.org/10.1007/978-981-19-9139-4_12)
22. **Vijayalaxmi J.** (2023), Advancements in Construction Technology and its Implications on the Building Industry, Building Construction and Technology, Lecture Notes in Civil Engineering 360, pp 1-10, [https://doi.org/10.1007/978-981-99-3526-0\\_1](https://doi.org/10.1007/978-981-99-3526-0_1)
23. Supriya Sakani Joyce , Faiz Ahmed Chundeli, J. **Vijayalaxmi** (2022), The Impact of Outdoor School Environments on Students' Overall Development: A Review of Current Knowledge, ISVS e-journal, Vol. 9, no. 5, Journal of the International Society for the Study of Vernacular Settlements, pp 155-167.
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28. RNS Murthy, S. Ramesh, **Iyer Vijayalaxmi Kasinath**, (2022), Framework for Sustainable Rainwater Harvesting for Urban Areas- A Case study of Guntur, Andhra Pradesh, India, International Journal of New Innovations in Engineering and Technology, Vol 19, Issue 2, pp 26-39, ISSN 2319-6319.
29. RNS Murthy, Ramesh Srikonda, **Iyer Vijayalaxmi Kasinath** (2022), Traditional Water Management Systems of India, Journal of the International Society for the Study of Vernacular Settlements, Vol 9, Issue 2, pp- 61-77
30. **Vijayalaxmi J.**, Heisnam Roni Singha (2021), Use of Bamboo as a Construction Material in the North-East and Southern Vernacular Settlements of India, International Society for the Study of Vernacular Settlements, Volume 8, Issue 4, pp 86-100.
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32. **Vijayalaxmi J.**, Venkatesh Bonala (2021), A Comparative Analysis of Banking and BlockChain Technology in Supply Chain Management, Proceedings of the 12th International

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34. V.Arivumani, **Vijayalaxmi J.** (2018), Evaluation Of Lighting Energy Performance Of Traditional And Modern Institutional Buildings, Journal of Emerging Technologies and Innovative Research (JETIR), Volume 5, Issue 7, ISSN-2349-5162, pp 1581- 1597
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36. **Vijayalaxmi J.**, 2012, '9 Squares as a Basic Design Exercise - A Critique', Journal of Teaching and Education, CD-ROM. ISSN: 2165-6266 :: Vol 1, issue 2, pp :71–80. UniversityPublications.net
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41. **Vijayalaxmi J.**, Sekar S.P., (2009), 'Indoor thermal performance of ventilated dwellings using fly screens in hot-humid climate with reference to Chennai, India', Journal of Green Buildings, Vol.04, Issue 2. pp.150-157. ISSN 1552-6100
42. **Vijayalaxmi J.** (2009), 'The Thermal Comfort of a Naturally Ventilated House resulting from the Evaporative Cooling of a Ceiling Fan in the Hot-Humid Climate of Chennai, India', International Journal of Ventilation, Vol. 8, No.2. pp. 135-144. ISSN 1473-3315
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47. **Vijayalaxmi J.**, Aby Sam, (2003) 'Embodied Energy and its implications on the energy and Environment', Proceedings of the Asian Conference on Environmental Education, 7th –9 th November 2003, New Delhi.
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## **8. CHAPTER IN EDITED BOOK**

- i. **Vijayalaxmi J.**, 2025, Sustainable Buildings for a Net-Zero India—Developments, Needs, and Challenges, Sustainable Building Performance- Towards a Greener India, Springer Publications, ISBN 978-981-96-2427-0 pp 1-22
- ii. **Vijayalaxmi J.**, 2025, Sustainable Buildings for a Net-Zero India—Developments, Needs, and Challenges, Sustainable Building Performance- Towards a Greener India, Springer Publications, ISBN 978-981-96-2427-0 pp 1-22
- iii. Chandu Sai Tarun, **J. Vijayalaxmi**, 2025, Indoor Thermal Performance of Roof Using Vernacular Material in Hot Semi-arid Region, Sustainable Building Performance- Towards a Greener India, Springer Publications, ISBN 978-981-96-2427-0 pp 59-24
- iv. Aniket Naik, **J. Vijayalaxmi** . 2025, Assessment of Cross Laminated Timber with Coconut Wood as Primary Material, Sustainable Building Performance- Towards a Greener India, Springer Publications, ISBN 978-981-96-2427-0 pp 75-93
- v. Gandham Kiranjee, **J. Vijayalaxmi**, . 2025, Sustainability Through Energy Efficiency of Low-Income Housing-A Form-Based Iterative Design Approach Using ENVI-Met in Warm-Humid Climate, Sustainable Building Performance- Towards a Greener India, Springer Publications, ISBN 978-981-96-2427-0 pp 113-130
- vi. Niharika Barwal, **J. Vijayalaxmi**, 2025, Assessing the Performance of Vernacular and Green Buildings in a Warm and Humid Climate, , Sustainable Building Performance- Towards a Greener India, Springer Publications, ISBN 978-981-96-2427-0 pp 153-172



- vii. M. Neha Shremitha, **J. Vijayalaxmi**, 2025 A Study on Optimisation of Wind-Flow in Residential Complexes for Chennai, , Sustainable Building Performance- Towards a Greener India, Springer Publications, ISBN 978-981-96-2427-0 Pages 173-182
- viii. **Vijayalaxmi, J.**, Tarun, C.S., Shremitha, N. (2024). Solar Energy Scenario in India. In: Sayigh, A. (eds) Reducing the Effects of Climate Change Using Building-Integrated and Building-Applied Photovoltaics in the Power Supply. Innovative Renewable Energy. Springer, Cham. [https://doi.org/10.1007/978-3-031-42584-4\\_11](https://doi.org/10.1007/978-3-031-42584-4_11) Authors :
- ix. **Vijayalaxmi, J.**, Manthanwar, D. (2024). A Review of Policies, Energy Resources Towards a More Sustainable Economy: A Study on Renewable Energy in India. In: Sayigh, A. (eds) Reducing the Effects of Climate Change Using Building-Integrated and Building-Applied Photovoltaics in the Power Supply. Innovative Renewable Energy. Springer, Cham. [https://doi.org/10.1007/978-3-031-42584-4\\_12](https://doi.org/10.1007/978-3-031-42584-4_12)
- x. **Vijayalaxmi, J.**, Sahu, H. (2024). Assessment of User's Preferred Activities and Its Correlation with Landscape Elements in Urban Green Spaces. In: Nandineni, R.D., Ang, S., Mohd Nawawi, N.B. (eds) Sustainable Resilient Built Environments. SRBE 2022. Advances in 21st Century Human Settlements. Springer, Singapore. [https://doi.org/10.1007/978-981-99-8811-2\\_3](https://doi.org/10.1007/978-981-99-8811-2_3)
- xi. **Vijayalaxmi J.**, 2024, Conservation of Heritage in India-Challenges, Issues, Agencies, Technological Advancements, (2024), Conservation of Built Heritage in India, 978-981-9983-34-6, DOI <https://doi.org/10.1007/978-981-99-8335-3>, Springer Publications.
- xii. **Vijayalaxmi J.** and Sayak Banerjee, 2024, Human Perception Analysis of Adapting Vernacular Architectural Solutions in Urban Single Residences, Conservation of Built Heritage in India, 978-981-9983-34-6, DOI <https://doi.org/10.1007/978-981-99-8335-3>, Springer Publications
- xiii. Vijayalaxmi J., Mothi Krishna, Harshitha Sahu, 2024, Holistic Study, Analysis of Adaptive Reuse of Historic Structure, Conservation of Built Heritage in India, 978-981-9983-34-6, DOI <https://doi.org/10.1007/978-981-99-8335-3>, Springer Publications
- xiv. **Vijayalaxmi J.**, Aishwarya., (2023) Investigation of economic feasibility between bamboo and conventional materials in non-residential buildings, Sustainable E eBook ISBN9781003368335Engineering: Principles and Practices Eds., Sanjay Shukla, CRS Press (Taylor and Francis),
- xv. **Vijayalaxmi J.**, Ramesh Srikonda (2022), Innovative and Inclusive Land Pooling Scheme for the Planning of New Capital City and Participant's satisfaction, Smart Global- Mega Cities, Advances in 21st Century Human Settlements, Eds. T.M. Vinod Kumar, DOI:10.1007/978-981-19-2386-9\_2 In book: Smart Master Planning for Cities (pp.83-129)
- xvi. **Vijayalaxmi J.**, Priyanka Jaiswal (2022), Assessment of Indoor Heat Gain using OTTV in the Rural Houses of Andhra Pradesh, India, Eds. Sayigh Ali, Achieving Building Comfort by Natural Means, Book Series- Innovative Renewable Energy, Springer Publishing pp 331-343, [https://doi.org/10.1007/978-3-031-04714-5\\_14](https://doi.org/10.1007/978-3-031-04714-5_14)
- xvii. **Vijayalaxmi J.**, Umair Khan (2022), Assessment Of Factors Affecting Time And Cost Over runs In Construction Projects, Risk, Reliability and Sustainable Remediation in the Field of Civil and Environmental Engineering, Eds., Thendiyath Roshni, Pijush Samui, Dieu Tien Bui, Dookie Kim, Rahman Khatib, Elsevier Publishing., pp.511-521 DOI:10.1016/B978-0-323-85698-0.00028-9



- xviii. **Vijayalaxmi J.**, Subham Das, (2022), Anthropological Study of a Typical Drought Prone Village in India: Strategies for Sustainable Rural Habitat, S. Eslamian, F. Eslamian (eds.), Disaster Risk Reduction for Resilience, pp. 239- 271, [https://doi.org/10.1007/978-3-031-22112-5\\_11](https://doi.org/10.1007/978-3-031-22112-5_11)
- xix. **Vijayalaxmi J.**, Parth Singh (2022), . Comparative Analysis of Concrete 3D Printing and Conventional Construction Technique for Housing, Innovative Processes and Materials in Additive Manufacturing, Eds. Chander Prakasj, Seeram Ramakrishna and Sunpreet Singh V., Elsevier Publishing, pp 177-190, <https://doi.org/10.1016/B978-0-323-86011-6.00011-8>
- xx. **Vijayalaxmi J.**, Hindu Haridass (2021), A Comparative Thermal Analysis of Cool Roofs in Hot-Humid Climate, 2nd International Design Research Conference, by ACA, Pune and Council of Architecture, India, 18th Dec. 2021.
- xxi. **Vijayalaxmi J.**, Pooja Jha, (2021), Study and Comparative Analysis of Container Architecture in Various Climate Zones in India, Poster Presentation, International Congress on Biometeorology, IJBM, Sept. 21-22, 2021.
- xxii. **Vijayalaxmi J.**, Sekar S.P., (2003) ‘OTTV controls, its formulation and relevance – an analysis’, Sustainable Planning and Development, Eds. Beriatos, Brebbai C.A., Coccossis H., Kungolos A. WIT Press, U.K. ISBN 1-85312-985-2
- xxiii. **Vijayalaxmi J.** (2010), ‘Sustainable Architecture Pedagogy- Integration in the architecture program’, Experimental Learning on Sustainable Management, Economics and Industrial Engineering, Vol. Eds. Marco Taisch, Jacopo Cassina, Riitta Smeds, pp 226-234, ISBN 888-6493-004-6.

## **9. PATENTS**

G.Dhivya, Vijayalaxmi J, Published a Patent, An Eco-Friendly Rice Husk Based Bricks From Agro-Industrialquarry Waste And Method Thereof, Application Number 202341039981, Awaiting Examination.

## **10. PAPERS PRESENTED/INVITED LECTURES**

- i. Vijayalaxmi J., Piyush Kumar (2022), Developing A Module Based On Mobile Computing Technology For Material Management In Construction Industry, Proceedings of the 13th International Conference on Engineering and Natural Sciences, Burdur, Turkey, March 19-20, 2022, ISBN 978-625-7720-79-3, pp. 390-402
- ii. Vijayalaxmi J., Krishna Kumar Srivasta, (2022), Parking Solution And Their Economic Analysis In Commercial Areas A Case In Civil Lines Prayagraj, Uttar Pradesh, Proceedings of the 13th International Conference on Engineering and Natural Sciences, Burdur, Turkey, March 19-20, 2022, ISBN 978-625-7720-79-3, pp. 379-398.
- iii. Arivumani, **Vijayalaxmi J**, Velraj R. (2019), Evaluating Thermal Transmittance of various building materials with insulating materials, revisiting the Role of Architecture for 'Surviving' Development. 53rd International Conference of the Architectural Science Association 2019, Avlokita Agrawal and Rajat Gupta (eds), pp. 743–752. © 2019 and published by the Architectural Science Association (ANZAScA)

- iv. **Vijayalaxmi J.,** Piyush K., (2022), Developing a module based on mobile computing technology for material management in construction industry, International Conference on Engineering & Natural sciences (ISPEC) , 19<sup>th</sup>-20<sup>th</sup> March 2022
- v. **Vijayalaxmi J.,** Krishna K.S., (2022), Parking Solutions and their Economic analysis in commercial areas: A case in Civil Lines Prayagraj, Uttar Pradesh, International Conference on Engineering & Natural sciences (ISPEC) , 19<sup>th</sup>-20<sup>th</sup> March 2022
- vi. Vijayalaxmi J., (2023), “Analytical Tool for Architectural Research” A CoA-TRC National Level Online Faculty Development Program on “Manifesting the Utilization of Softwares in Architecture” conducted from 30<sup>th</sup> Oct. At Chettinad School of Architecture, Chennai
- vii. Vijayalaxmi J (2022), Data Analysis Techniques in Architecture, FDP on Research Methodology for Young Teachers and Research Scholars, JNAFAU, Hyderabad on 2<sup>nd</sup> May 2022.
- viii. Vijayalaxmi J., (2022), Research Report Preparation- Technical Writing, Outcome-Based Education: Research Methods & Techniques in Architecture and Planning, COA-TRC, Bhopal and the Dept. of Architecture, DCRUST, Murthal on 13<sup>th</sup> April 2022.
- ix. Vijayalaxmi J, (2022), Funded Projects- Nuances and writing, 3Days Online Training Programme on Technical Writing of Project Proposals, SRM-SAID on 6<sup>th</sup> April 2022.
- x. Vijayalaxmi J. (2022), Net Zero Building, AICTE-AU sponsored FDP on Avenues for Energy Conservation in Residential Buildings, Anna University on 29<sup>th</sup> Jan. 2022.
- xi. Vijayalaxmi J., (2021), Technical Writing in Architecture, Manipal School of Architecture and Planning, 23<sup>rd</sup> Oct. 2021.
- xii. Iyer Vijayalaxmi Kasinath, 2020, Non Pharmaceutical interventions (NPI) of pandemic risk management (PRM), Resilient Architecture & Dynamic City Planning Webinar Series, SPAV, 17<sup>th</sup> July 2020
- xiii. Iyer Vijayalaxmi Kasinath, 2020, IIA - TN Chapter - Webinar Series - A Tete-a-Tete with Our Women Architects, July 8, 2020
- xiv. Expert speaker at Thiagrajar College of Engineering, Madurai, Dept. of Architecture on Architectural and Planning consideration for COVID management on 3<sup>rd</sup> Dec, 2020.
- xv. Iyer Vijayalaxmi Kasinath, 2020, Thesis report writing- an Architectural Perspective and journal paper writing, organized by Hindustan University, Chennai, 11<sup>th</sup> May 2020
- xvi. Vijayalaxmi J. (2019), Evaluating Thermal Transmittance of various building materials with insulating materials, 53<sup>rd</sup> International Conference of ASA, IIT Roorkee.
- xvii. Vijayalaxmi J. (2018), Climate and Built Environment, International Conference on Sustainable Technologies and Built Environment, Sathyabama University, Jan 2018
- xviii. Vijayalaxmi J. (2018), Evaluation of Lighting Energy Performance of Traditional and Modern Institutional Buildings. Proceedings of 4<sup>th</sup> International Conference on Advancement in

Engineering, Applied Science and Management (ICAEASM 2018), Organized by the Indian Council of Social Science Research , North West Regional Center , Punjab University Campus, Chandigarh, India on 1st July 2018, ISBN: 978-93-87433-28-1, pp 379-398

- xix. Arivumani V., Vijayalaxmi J. (2018), Role Of Space Cooling In Energy Performance And Life Cycle Assessment For Traditional And Modern Institutional Buildings, proceedings of the International Conference On Innovations And Discoveries In Science, Engineering, KCG Tech, Chennai, pp80.
- xx. Vijayalaxmi J. (2017), Sustainable Development , Proceedings of the 2nd International Conference On Emerging Trends In Science, Engineering, Jerusalem College of Engineering.
- xxi. Vijayalaxmi J. (2017), Thermal Performance of Buildings, Invited Lecture at the Faculty Development Programme, KCG College of Technology, Chennai.
- xxii. Vijayalaxmi J. (2017), Architectural and Planning considerations in Green Building Rating System, International Workshop for Overseas Participants, Sustainable Planning and Environmental Management, Sponsored by the Ministry of External Affairs, Organized by NITTTR, MHRD, GoI.
- xxiii. Vijayalaxmi J. (2017), Understanding green and sustainable building rating system with case studies, International Workshop for Overseas Participants, Sustainable Planning and Environmental Management, Sponsored by the Ministry of External Affairs, Organized by NITTTR, MHRD, GoI.
- xxiv. Vijayalaxmi J. (2016), Appropriate Building Materials in Architecture, International Workshop for Overseas Participants, Sustainable Planning and Environmental Management, Sponsored by the Ministry of External Affairs, Organized by NITTTR, MHRD, GoI.
- xxv. Vijayalaxmi J. (2016), Green and sustainable building rating system - A critique, International Workshop for Overseas Participants, Sustainable Planning and Environmental Management, Sponsored by the Ministry of External Affairs, Organized by NITTTR, MHRD, GoI.
- xxvi. Vijayalaxmi J. (2015), Green Building Rating System - A comparison between LEED and GRIHA, International Workshop for Overseas Participants, Sustainable Planning and Environmental Management, Sponsored by the Ministry of External Affairs, Organized by NITTTR, MHRD, GoI.
- xxvii. Vijayalaxmi J. (2013), Green Building Rating in the Indian Context, International Workshop for Overseas Participants, Sustainable Planning and Environmental Management, Sponsored by the Ministry of External Affairs, Organized by NITTTR, MHRD, GoI.
- xxviii. Vijayalaxmi J. (2012), Climate responsive techniques for a specific climate type: a case of Coimbatore city, International Workshop for Overseas Participants, Sustainable Planning and Environmental Management, Sponsored by the Ministry of External Affairs, Organized by NITTTR, MHRD, GoI.
- xxix. Vijayalaxmi J. (2012), Green building rating system for India: LEED, India, International Workshop for Overseas Participants, Sustainable Planning and Environmental Management, Sponsored by the Ministry of External Affairs, Organized by NITTTR, MHRD, GoI.

- xxx. Vijayalaxmi J. (2012), Green Rating for Integrated Habitat Assessment, International Workshop for Overseas Participants, Sustainable Planning and Environmental Management, Sponsored by the Ministry of External Affairs, Organized by NITTTR, MHRD, GoI.
- xxxi. Vijayalaxmi J. (2012), Leadership in Energy and Environmental Design, International Workshop for Overseas Participants, Sustainable Planning and Environmental Management, Sponsored by the Ministry of External Affairs, Organized by NITTTR, MHRD, GoI.
- xxxii. Vijayalaxmi J. (2010), ‘Sustainable Architecture Pedagogy- Integration in the architecture program’, Workshop of the Special Interest Group on Experimental Interactive Learning, June 14th -16th 2010, Milan, Italy.
- xxxiii. Vijayalaxmi J. (2010), Green Building Rating Systems, National Workshop on Sustainable Buildings, NITTTR, MHRD GOI.
- xxxiv. Vijayalaxmi J. (2010), Energy Efficiency in Moderate Climate, International Workshop for Overseas Participants, Sustainable Planning and Environmental Management, Sponsored by the Ministry of External Affairs, Organized by NITTTR, MHRD, GoI.
- xxxv. Vijayalaxmi J. (2010), Green Building Rating Schemes, International Workshop for Overseas Participants, Sustainable Planning and Environmental Management, Sponsored by the Ministry of External Affairs, Organized by NITTTR, MHRD, GoI.
- xxxvi. Vijayalaxmi J. (2006) ‘Ventilation for enhancing room comfort in buildings’, Short term course on renewable energy sources by IEEE, 7th February 2006, HCE , Chennai.
- xxxvii. Vijayalaxmi J., Aby Sam, (2004) ‘Embodied and Operational energy for a single storied residential building at Chennai, India’, at the CIB World Building Congress 2004, 2nd –7 th May 2004, Toronto, Canada.
- xxxviii. Vijayalaxmi J. (2004) ‘Sustainable Human Settlement Design – A Comprehensive Perspective’, National Seminar on ‘City Development in the New Millennium’, 31st Aug. –1 st Sept. 2004, Chennai, India.
- xxxix. Vijayalaxmi J., Sekar S.P., (2003) ‘OTTV controls, its formulation and relevance – an analysis’, First International Conference on Energy and the Environment, 14th –17th September 2003, Skiathos Greece.
- xl. Vijayalaxmi J.(2003) ‘Embodied Energy and its implications on the energy and Environment’, Proceedings of the Asian Conference on Environmental Education, 7th –9 th November 2003, New Delhi.
- xli. Vijayalaxmi J., Aby Sam, (2003) ‘Performance evaluation of experimental low cost housing and user reactions’, Proceedings of the Asian Conference on Environmental Education, 7th – 9 th November 2003, New Delhi.
- xlii. Vijayalaxmi J. (2002, 2001) ‘GIS Data Format’ ,Custom Designed course on GIS and Remote Sensing, IRS Anna University & H.C.E., 24th –29th June 2002 & 21st - 28th Sept. 2001, Chennai.

- xliii. Vijayalaxmi J. (2001) 'Intelligence of Traditional architecture' Proceedings of the National Conference on 'Traditional Architecture', B.I.S.T., Chennai
- xliv. Vijayalaxmi J. (1997) 'Rhythm of Built Space- Modular Co-ordination in Vaastu Sastra', Proceedings of the Second International Conference on Mayonic Science & Technology, 18th - 21st January 1997 Trivandrum.

## **11. PAPERS PUBLISHED AND DELIVERED AT TRAINING COURSES:**

- i. Vijayalaxmi J. (2019) Methodology and Exploration in Architectural Research- Technical writing for Architectural Journals, at Council of Architecture, Faculty Development Programme, Sathyabama University, 6th Feb 2020.
- ii. Vijayalaxmi J. (2002, 2001) 'GIS Data Format' ,Custom Designed course on GIS and Remote Sensing, IRS Anna University & H.C.E., 24th –29th June 2002 & 21st - 28th Sept. 2001, Chennai.
- iii. Vijayalaxmi J. (2002) 'GIS in Architecture' ,Custom Designed course on GIS and Remote Sensing, IRS Anna University & H.C.E., 24th –29th June 2002 Chennai.
- iv. Vijayalaxmi J. (2001) 'GIS in urban and Regional Planning' ,Custom Designed course on GIS and Remote Sensing, IRS Anna University & H.C.E., 21st - 28th Sept. 2001, Chennai.

## **9 NOMINATIONS AND OTHER HONORS RECEIVED**

- i. Awarded the 'National Award for Teacher' 2025, by the Ministry of Education, Govt. of India and presented by the Hon. President of India.
- ii. Certificate of Merit for having been the Faculty Lead for the Shortlisted Teams of Solar Decathlon India Competition held in 2020 and 2024.
- iii. Awards for Certificate of Achievement as Faculty Lead for mentoring Team Tattva in the Solar Decathlon, India 2023-24
- iv. Award of Mentorship as Faculty Lead for winning team of Solar Decathlon India 2021 as Lead Faculty.
- v. Awarded the 'Birla White Yuva Ratna' Award by the Adithya Birla Group of Companies, Nov. 2010.
- vi. Awarded the Erasmus Mundus Fellowship as an academic profile to work at the Politecnico de Milano, Italy on the EU sponsored project 'Smart-ECO', May-June, 2010.
- vii. Won the 'Best Woman Teacher of the Hindustan Group of Institutions Award' on the occasion of 'Women's Day -2006'.
- viii. Nominated for the 'Tamil Nadu Scientist's Award-2005' by Prof. A. Swaminathan, Dean, School of Architecture & Planning, Anna University.
- ix. Nominated for the 'Young women Scientist's Award -2005' by Dr. D.Viswanathan, ViceChancellor, Anna University Chennai.
- x. Received the 'Best Achievement Award' for the year 2003-04 for Overall Achievement as an Academician by the 'Hindustan College of Engineering, Padur'

## **12. PH.D. RELATED TO OUTSIDE UNIVERSITIES**

- Ph.D Examiner for Ph.D thesis at Anna University, Chennai.
- Panel Member for assessing the six monthly reviews of Ph.D. candidates at SMMCA, Nagpur.
- Ph.D Examiner for Ph.D thesis at University of South Australia (UniSA)
- Ph.D Examiner for Ph.D thesis at SRM University, Kattankalathur, Chengalpattu, 2020-2021.
- Ph.D. Examiner for Ph.D thesis at NIT, Tiruchirapalli
- Ph.D. Examiner for a Ph.D. thesis at Hindustan University
- Ph.D. Examiner for Ph.D thesis at RTM, Nagpur University.
- Doctoral Committee member for Ph.D candidate in Sathyabama University.

## **13. DETAILS OF SPONSORED FUNDED PROJECTS HANDLED**

1. Completed a research project titled 'Simulating a model for energy conscious environment with specific reference to housing' funded by the All India Council for Technical Education under the Thrust Area Project for Technical Engineering Colleges for a Funding amount of Rs. 16.70 Lakhs. (approx. 34,800 USD)
2. Vetting process of manuals Chapter wise critique of the manual Administration Buildings Manual for Andhra Pradesh State Architectural Board, Government Of Andhra Pradesh in 2023
3. Vetting of three new Manuals as an academic Vetting Project for 'Manual of Residential Buildings' for Andhra Pradesh State Architectural Board, Government Of Andhra Pradesh in 2024.

## **14. MEMBERSHIP IN VARIOUS BOARDS**

- Nominee of the President of India as an Executive Council member for Kerala Central University
- UGC Nominee as the Executive Council Member to the ICFAI Foundation for higher Education, Hyderabad
- Member of CoA Working Group on inclusion of Climate-Change in Architectural Syllabus
- Member of International Society of Biometeorology ( in Association with UNESCO)
- Member of Council of Architecture, India,
- Editor in chief of the International Journal of Sustainable building Technology, Centre for Construction and Architectural Excellence.
- Board of Studies in the Faculty of Architecture and Planning, Anna University.
- Syllabus committee member for M.Arch. (Digital Architecture) and M.Arch. (Urban Design) at School of Architecture and Planning, Anna University, Chennai, 28/07/2021.
- Syllabus subcommittee member for M.Arch. (Real Estate Development) and M.Arch. (Environmental architecture) for non-autonomous colleges affiliated to School of Architecture and Planning, Anna University, Chennai, 20/07/2021
- Thesis External Panel Member at Thiagarajar College of Engineering, Madurai, 2020
- Departmental Consultative Committee of the Department of Architecture, Anna University Coordinator for Choice Based Credit System for B.Arch Programme Regulations 2015
- Syllabus Sub-Committee for framing the curricula and syllabi for M.Arch Programme, 2017.
- Co-ordinator for Madurai Zone for conduct of TANATA 2017
- Member of the Standing Hearing Committee constituted by AICTE, 22/02/2021

- Expert Member of board of studies, Department of Architecture Kalasalingam Academy of Research and Education for 2 years from March 2021.
- External member of Board of Studies (BOS) of Andhra University

#### **15. Global Initiative for Academic Collaboration (GIAN) Courses**

Course coordinator and Indian Faculty expert for the One Week Course titled 'Heat Stress And Advances In Passive Cooling' from 8-12 Sept. 2025, along with Dr. Matthaios Santamouris, Professor UNSW Sydney as Foreign Faculty under the GIAN of the Ministry of Education Scheme

#### **16. DOCTORAL THESES GUIDED (COMPLETED)**

- Candidate Name: RNS Murthy  
Registration number: 1150300010  
Title: Framework for Sustainable Rainwater for Urban Areas- A Case Study of Guntur, Andhra Pradesh, India  
Role: Co-supervisor  
Status: Completed Nov. 2022
- Candidate Name: Arivumani V  
Registration number: 1422619102  
Title: Investigations on Envelop Materials in High-Rise Commercial Buildings in Hot and Humid Climate  
Role: Main Supervisor  
Status: Completed December. 2022
- Candidate Name: Anil Kumar Chilakapati  
Registration number: 1120300002  
Title: Passengers' Intuitive Navigation within the Entrance Lobby of a Railway Station: A Case of Vijayawada Scenario  
Role: Co-supervisor  
Status: Completed- October 2023
- Candidate Name: Allu Revathi Devi  
Registration number: 1120300003  
Title: Framework for Suitable Street Trees for Urban Neighbourhoods – A Case of Visakhapatnam City, Andhra Pradesh  
Role: Main Supervisor  
Status: Completed November 2023
- Candidate Name: S. Joyce Supriya  
Registration number: 1190300015  
Title: Impact of School Outdoor Environment (SOE) On Students' Academic Performance: Case of Indian Primary Schools  
Role: Co-supervisor  
Completed: February 2024



