

## 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, Post-Doc- 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, Selaipur	Sr. Lecturer	16/06/1997	02/03/2001

### 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.

## LIST OF PUBLICATIONS

### 4. INTERNATIONAL PUBLICATIONS

1. 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.
2. **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)
3. **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)
4. **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)
5. **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)
6. **Vijayalaxmi J.** and Kiranje Gandhi (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)

7. **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)
8. **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)
9. **Vijayalaxmi J.** (2023), Study of Indoor Thermal Performance Due to Varying Ceiling Heights in a Hot-Humid Climate , Building Thermal Performance and Sustainability, Lecture Notes in Civil Engineering 316, Springer Publications, pp 115-126, [https://doi.org/10.1007/978-981-19-9139-4\\_8](https://doi.org/10.1007/978-981-19-9139-4_8)
10. 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)
11. 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)
12. **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)
13. **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)
14. **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)
15. 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.
16. Supriya Sakani Joyce , Faiz Ahmed Chundeli, J. **Vijayalaxmi** (2022), The Impact of Outdoor Environments on Children's Behaviour: Insights from the Primary Schools in Vijayawada, India, Vol. 10, no. 1, Journal of the International Society for the Study of Vernacular Settlements, pp 24- 36
17. Anil Kumar, Ramesh Srikonda, **Vijayalakshmi Iyer** (2022), Appreciation of Passenger's Intuitive Navigation in Ticketing cum Entrance Lobby of Railway Station- A Case Study of

Vijayawada Railway Station, *NeuroQuantology*, August 2022, Vol 20, Issue 10, pp 4626-4545.

18. Anil Kumar Chilakapati, Ramesh Srikonda, **Vijayalaxmi Iyer** (2022), Impact of Centrality for Public Spaces- A case of railway station, *Journal of Advanced Education and Sciences*, Vol 2(4), pp99-108
19. **Vijayalaxmi J.**, Arathy Kalam K.C., (2022), Critical evaluation of socio-cultural and climatic aspects in traditional weavers' community - a case of Pillayarpalayam weavers' cluster, Kanchipuram, *Built Heritage*, Volume 6, Issue 1, ISSN: 2662-6802.
20. 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.
21. 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
22. **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.
23. **Vijayalaxmi J.**, Jayasurya (2021), Assessment of Mivan Formwork Technology in a Mass Housing project at Chennai, *Proceedings of the 12 th International Conference on Engineering and Natural Sciences*, Dec.- 24-25, 2021, Bingol, Turkey, Eds Özlem Orhan, Koray Karabulut, ISBN: 978-625-7720-69-4, pp. 464-474
24. **Vijayalaxmi J.**, Venkatesh Bonala (2021), A Comparative Analysis of Banking and BlockChain Technology in Supply Chain Management, *Proceedings of the 12th International Conference on Engineering and Natural Sciences*, Dec.- 24-25, 2021, Bingol, Turkey, Eds Özlem Orhan, Koray Karabulut, ISBN: 978-625-7720-69-4, pp. 475-496
25. **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.
26. **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.
27. **Vijayalaxmi J.**, Jyothis Panicker M., (2022), Optimizing the spatial configuration of existing Micro-apartment designs in develop countries, *International Journal of Engineering Research & Technology*, IJERT, National E-conference (NCA 2022), Volume 10, Issue 3, pp. 24-47, ISSN: 2278-0181.
28. 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
29. 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.

30. 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)
31. 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
32. Arivumani, **Vijayalaxmi J.** (2017), Sustainable Development, Advances In Natural And Applied Sciences, Vol. 11, Issue 7, ISSN: 1995-0772, EISSN: 1998-1090, Published by AENSI Publication, May 11(7): pages 296-300
33. **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
34. **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
35. **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
36. **Vijayalaxmi J.**, Sekar S.P.(2013), 'Thermal Performance of Naturally Ventilated Residential Buildings with Varying Orientation in Hot-Humid Climate of Chennai, India', Journal of Architecture and Planning Research, Locke Science Publishing Company, Inc, Chicago
37. **Vijayalaxmi J.** (2010), 'Concept of Overall Thermal Transfer Value in Design of Building Envelope to achieve Energy Efficiency', International Journal of Thermal and Environmental Engineering, Vol. 1, No.1, ISSN 1923-7308.
38. **Vijayalaxmi J.** (2010), 'Concept of Overall Thermal Transfer Value in Design of Building Envelope to achieve Energy Efficiency', Proceedings of the International Engineering Conference on Hot Arid Regions- Challenges, Technologies and Opportunities', Eds. Bilal A.Akash and Ahmad M. Abu Abdo, Vol. 15, No.3, pp 317-321. ISBN 978-603-08-0083-4.
39. **Vijayalaxmi J.** (2010), 'Towards sustainable architecture- a case with 'Greentainer'', International Journal of Social Justice and Sustainability- Local Environment, Taylor and Francis, Vol. 15, No.3, pp 234-256. ISSN 1354-9839.
40. **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

41. **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
42. Sekar S.P., **Vijayalaxmi J.** (2009), '3D options for urban Planning', *Geospatial Today*, Vol.04.ISSN 0972-6810
43. **Vijayalaxmi J.,** Aby Sam, (2004) 'Embodied and Operational energy for a single storied residential building at Chennai, India', *Proceedings of the CIB World Building Congress 2004*, 2nd –7 th May 2004, Toronto, Canada. ISBN NR24-1/2004E 0-662-36716-2
44. **Vijayalaxmi J.,** Sekar S.P., (2003) 'OTTV controls and its relevance', *Proceedings of the First International Conference on Energy and the Environment*, 14th –17th September 2003, Skiathos Greece. ISSN 1476-9581.
45. **Vijayalaxmi J.,** Sekar S.P., (2003) 'OTTV controls, its formulation and relevance – an analysis', *Sustainable planning and Development*, Eds. Beriatis, Brebbia C.A., Coccossis H., Kungolos A. WIT Press, U.K. ISBN 1-85312-985-2
46. **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.
47. **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.

## **5. CHAPTER IN EDITED BOOK**

- i. **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)
- ii. **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)
- iii. **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
- iv. **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)

- v. **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 Prakash, Seeram Ramakrishna and Sunpreet Singh V., Elsevier Publishing, pp 177-190, <https://doi.org/10.1016/B978-0-323-86011-6.00011-8>
- vi. **Vijayalaxmi J.,** Aishwarya., (2023) Investigation of economic feasibility between bamboo and conventional materials in non-residential buildings, Sustainable E eBook ISBN9781003368335 Engineering: Principles and Practices Eds., Sanjay Shukla, CRS Press (Taylor and Francis),
- vii. **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
- viii. **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.

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

**Authored Book:** 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>

**Edited Book :** 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>

## **7. 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.

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

- i. 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 30th Oct. At Chettinad School of Architecture, Chennai
- ii. 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.
- iii. 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.
- iv. 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.

- v. 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.
- vi. Vijayalaxmi J., (2021), Technical Writing in Architecture, Manipal School of Architecture and Planning, 23rd Oct. 2021.
- vii. Iyer Vijayalaxmi Kasinath, 2020, Non Pharmaceutical interventions (NPI) of pandemic risk management (PRM), Resilient Architecture & Dynamic City Planning Webinar Series, SPAV, 17th July 2020
- viii. Iyer Vijayalaxmi Kasinath, 2020, IIA - TN Chapter - Webinar Series - A Tete-a-Tete with Our Women Architects, July 8, 2020
- ix. 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.
- x. Iyer Vijayalaxmi Kasinath, 2020, Thesis report writing- an Architectural Perspective and journal paper writing, organized by Hindustan University, Chennai, 11th May 2020
- xi. Vijayalaxmi J. (2019), Evaluating Thermal Transmittance of various building materials with insulating materials, 53rd International Conference of ASA, IIT Roorkee.
- xii. Vijayalaxmi J. (2018), Climate and Built Environment, International Conference on Sustainable Technologies and Built Environment, Sathyabama University, Jan 2018
- xiii. Vijayalaxmi J. (2018), Evaluation of Lighting Energy Performance of Traditional and Modern Institutional Buildings. Proceedings of 4th 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
- xiv. 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.
- xv. Vijayalaxmi J. (2017), Sustainable Development , Proceedings of the 2nd International Conference On Emerging Trends In Science, Engineering, Jerusalem College of Engineering.
- xvi. Vijayalaxmi J. (2017), Thermal Performance of Buildings, Invited Lecture at the Faculty Development Programme, KCG College of Technology, Chennai.
- xvii. 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.
- xviii. 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.

- xix. 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.
- xx. 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.
- xxi. 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.
- xxii. 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.
- xxiii. 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.
- xxiv. 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.
- xxv. 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.
- xxvi. 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.
- xxvii. 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.
- xxviii. Vijayalaxmi J. (2010), Green Building Rating Systems, National Workshop on Sustainable Buildings, NITTTR, MHRD GOI.
- xxix. 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.
- xxx. 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.
- xliiii. 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 Scince & Technology, 18th - 21st January 1997 Trivandrum.

## **9. 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. Award of Mentorship as Faculty Lead for winning team of Solar Decathlon India 2021 as Lead Faculty.
- ii. Awarded the 'Birla White Yuva Ratna' Award by the Adithya Birla Group of Companies, Nov. 2010.
- iii. 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.
- iv. Nominated for the 'Endeavour Awards 2011' to work at 'Institute of Sustainable Systems and Technology', University of South Australian the field on 'Energy Saving Technologies for Building Envelope Retrofitting.
- v. Nominated for the Indo-Hungarian Fellowship to work at Centre for Climate Change and Sustainable Energy Policy, Central European University, Hungary for pursuing Post-Doctoral studies in 2010.
- vi. Won the 'Best Woman Teacher of the Hindustan Group of Institutions Award' on the occasion of 'Women's Day -2006'.
- vii. Nominated for the 'Tamil Nadu Scientist's Award-2005' by Prof. A. Swaminathan, Dean, School of Architecture & Planning, Anna University.
- viii. Nominated for the 'Young women Scientist's Award -2005' by Dr. D.Viswanathan, ViceChancellor, Anna University Chennai.
- ix. Received the 'Best Achievement Award' for the year 2003-04 for Overall Achievement as an Academician by the 'Hindustan College of Engineering, Padur'

## **10. 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 Sathyabhama University.

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

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)

## **12. MEMBERSHIP IN VARIOUS BOARDS**

- 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.
- Member of the advisory board for a competition by ‘Centre for Construction and Architecture Excellence’ (CCAEE) to review and screen the manuscripts, Aug 2021
- External member of Board of Studies (BOS) of Kalasalingam School of Architecture(KSOA),20<sup>th</sup> July 2021

## **13. DOCTORAL THESES GUIDED**

- 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

Status: Submitted May 2023