

## **IYER VIJAYALAXMI KASINATH.**

### **CURRICULLUM VITAE**



#### **1. NAME & ADDRESS**

**:Dr. Iyer Vijayalaxmi Kasinath**

Professor, Dept. of Architecture,  
School of Planning and Architecture, Vijayawada,  
An Institute of National Importance under the MHRD,  
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 for 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 & address of the Institution /	Post held	Period of service	
			From	To
1	Dept. of Architecture, School of Planning and Architecture, Vijayawada	Professor and Dean (Research)	25/01/2019	Till date
2	Dept. of Architecture, SAP, Anna University	Associate. Prof.	04/08/2006	24/01/2019
3	Hindustan College of Engg., Padur,	Asst. Prof. & Head of the Dept..	03/03/2001	03/08/2006
4	Bharat Engg. College, Selaiyur	Sr. Lect.	16/06/1997	02/03/2001
5	S.R.M. Engg. College, Kattankulathur.	Visiting Lect.	15/06/1995	15/06/1997

#### **LIST OF PUBLICATIONS**

##### **4. INTERNATIONAL PUBLICATIONS (refereed)**

- i. Iyer Vijayalaxmi Kasinath (Accepted 2020), Empirical and dynamic simulation-based assessment of indoor thermal performance in naturally ventilated buildings, International Journal of Advanced Science and Technology (Scopus indexed)

- ii. V.Arivumani, Vijayalaxmi J, Velraj R. (2019), Comparative Assessment of Energy Performance for Traditional and Modern Institutional Buildings in India, Caribbean Journal of Science, Volume 53, Issue 1 pp. 758-771.
- iii. V.Arivumani, Vijayalaxmi J., (2018), A Review on Thermal Solar Cooling Methods to Reduce Energy Consumption, Journal of Emerging Technologies and Innovative Research, (ISSN-2349-5162), Vol.5, Issue 8, page no.1323-1330.
- iv. 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
- v. 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
- vi. 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
- vii. 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.
- viii. 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.
- ix. 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.
- x. 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.
- xi. 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
- xii. 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
- xiii. Sekar S.P., Vijayalaxmi J. (2009), '3D options for urban Planning', Geospatial Today, Vol.04.ISSN 0972-6810
- xiv. 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, 2<sup>nd</sup> –7<sup>th</sup> May 2004, Toronto, Canada. ISBN NR24-1/2004E 0-662-36716-2
- xv. Vijayalaxmi J., Sekar S.P., (2003) 'OTTV controls and its relevance', Proceedings of the First International Conference on Energy and the Environment, 14<sup>th</sup> –17<sup>th</sup> September 2003, Skiathos Greece . ISSN 1476-9581.
- xvi. Vijayalaxmi J., Sekar S.P., (2003) 'OTTV controls, its formulation and relevance – an analysis', Sustainable planning and Development, Eds. Beriatos, Brebbia C.A., Coccossis H., Kungolos A. WIT Press, U.K. ISBN 1-85312-985-2
- xvii. Vijayalaxmi J., Aby Sam, (2003) 'Embodied Energy and its implications on the energy and Environment', Proceedings of the Asian Conference on Environmental Education, 7<sup>th</sup> –9<sup>th</sup> November 2003, New Delhi.

- xviii. Vijayalaxmi J., Aby Sam, (2003) 'Performance evaluation of experimental low cost housing and user reactions', Proceedings of the Asian Conference on Environmental Education, 7<sup>th</sup> –9<sup>th</sup> November 2003, New Delhi .

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

- i. 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
- ii. 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.PAPERS PRESENTED**

- i. 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
- ii. Iyer Vijayalaxmi Kasinath, 2020, IIA - TN Chapter - Webinar Series - A Tete-a-Tete with Our Women Architects, July 8, 2020
- iii. 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
- iv. Vijayalaxmi J. (2019), Evaluating Thermal Transmittance of various building materials with insulating materials, 53<sup>rd</sup> International Conference of ASA, IIT Roorkee.
- v. Vijayalaxmi J. (2018), Climate and Built Environment, International Conference on Sustainable Technologies and Built Environment, Sathyabama University, Jan 2018
- vi. 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
- vii. 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.
- viii. Vijayalaxmi J. (2017), Sustainable Development , Proceedings of the 2nd International Conference On Emerging Trends In Science, Engineering, Jerusalem College of Engineering.
- ix. Vijayalaxmi J. (2017), Thermal Performance of Buildings, Invited Lecture at the Faculty Development Programme, KCG College of Technology, Chennai.

- x. 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.
- xi. 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.
- xii. 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.
- xiii. 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.
- xiv. 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.
- xv. 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.
- xvi. 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.
- xvii. 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.
- xviii. 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.
- xix. 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.
- xx. Vijayalaxmi J. (2010), 'Sustainable Architecture Pedagogy- Integration in the architecture program', Workshop of the Special Interest Group on Experimental Interactive Learning, June 14<sup>th</sup> -16<sup>th</sup> 2010, Milan, Italy.
- xxi. Vijayalaxmi J. (2010), Green Building Rating Systems, National Workshop on Sustainable Buildings, NITTTR, MHRD GOI.

- xxii. 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.
- xxiii. 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.
- xxiv. Vijayalaxmi J. (2006) ‘Ventilation for enhancing room comfort in buildings’, Short term course on renewable energy sources by IEEE, 7<sup>th</sup> February 2006, HCE , Chennai.
- xxv. 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, 2<sup>nd</sup> –7<sup>th</sup> May 2004, Toronto, Canada.
- xxvi. Vijayalaxmi J. (2004) ‘Sustainable Human Settlement Design – A Comprehensive Perspective’, National Seminar on ‘City Development in the New Millennium’, 31<sup>st</sup> Aug. –1<sup>st</sup> Sept. 2004, Chennai, India.
- xxvii. Vijayalaxmi J., Sekar S.P., (2003) ‘OTTV controls, its formulation and relevance – an analysis’, First International Conference on Energy and the Environment, 14<sup>th</sup> –17<sup>th</sup> September 2003, Skiathos Greece.
- xxviii. Vijayalaxmi J.(2003) ‘Embodied Energy and its implications on the energy and Environment’, Proceedings of the Asian Conference on Environmental Education, 7<sup>th</sup> –9<sup>th</sup> November 2003, New Delhi.
- xxix. Vijayalaxmi J., Aby Sam, (2003) ‘Performance evaluation of experimental low cost housing and user reactions’, Proceedings of the Asian Conference on Environmental Education, 7<sup>th</sup> –9<sup>th</sup> November 2003, New Delhi.
- xxx. Vijayalaxmi J. (2002, 2001) ‘GIS Data Format’ ,Custom Designed course on GIS and Remote Sensing, IRS Anna University & H.C.E., 24<sup>th</sup> –29<sup>th</sup> June 2002 & 21<sup>st</sup> - 28<sup>th</sup> Sept. 2001, Chennai.
- xxxi. Vijayalaxmi J. (2001) ‘Intelligence of Traditional architecture’ Proceedings of the National Conference on ‘Traditional Architecture’, B.I.S.T., Chennai.
- xxxii. Vijayalaxmi J. (1997) ‘Rhythm of Built Space- Modular Co-ordination in Vaastu Sastra’, Proceedings of the Second International Conference on Mayonic Science & Technology, 18<sup>th</sup> - 21<sup>st</sup> January 1997 Trivandrum.

## **7. 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, 6<sup>th</sup> Feb 2020.
- ii. Vijayalaxmi J. (2002, 2001) ‘GIS Data Format’ ,Custom Designed course on GIS and Remote Sensing, IRS Anna University & H.C.E., 24<sup>th</sup> –29<sup>th</sup> June 2002 & 21<sup>st</sup> - 28<sup>th</sup> Sept. 2001, Chennai.

- iii. Vijayalaxmi J. (2002) 'GIS in Architecture' ,Custom Designed course on GIS and Remote Sensing, IRS Anna University & H.C.E., 24<sup>th</sup> –29<sup>th</sup> 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., 21<sup>st</sup> - 28<sup>th</sup> Sept. 2001, Chennai.

## **8 NOMINATIONS AND OTHER HONORS RECEIVED,**

- i. Awarded the '**Birla White Yuva Ratna**' Award by the Adithya Birla Group of Companies, Nov. 2010.
- ii. 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.
- iii. Nominated for the '**Endeavour Awards 2011**' to work at '**Institute of Sustainable Systems and Technology**', University of South Australia in the field on ' Energy Saving Technologies for Building Envelope Retrofitting.
- iv. 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.
- v. Won the '**Best Woman Teacher** of the Hindustan Group of Institutions Award' on the occasion of 'Women's Day -2006'.
- vi. Nominated for the '**Tamil Nadu Scientist's Award-2005**' by Prof. A. Swaminathan, Dean, School of Architecture & Planning, Anna University.
- vii. Nominated for the '**Young women Scientist's Award -2005**' by Dr. D.Viswanathan, Vice-Chancellor, Anna University Chennai.
- viii. Received the '**Best Achievement Award**' for the year 2003-04 for Overall Achievement as an Academician by the 'Hindustan College of Engineering ,Padur'.

## **10. 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**)

## **11. MEMBERSHIP IN VARIOUS BOARDS**

- Board of Studies in the Faculty of Architecture and Planning, Anna University
- 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 examinations 2017

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

- Panel Member for assessing the six monthly reviews of Ph.D. candidates at SMMCA, Nagpur.
- Ph.D. Examiner for Ph.D thesis at NIT, Tiruchirapalli
- Ph.D. Examiner for a Ph.D. thesis at Hindustan University
- Doctoral Committee member for Ph.D candidate in Sathyabhama University.

13. **EXAMINER TO OUTSIDE UNIVERSITIES**

- NIT, Trichy for the M.Arch (Sustainable Architecture ) programme, 2018
- SPA Vijaywada for the M.Arch (Sustainable Architecture ) programme, 2016

14. **TECHNICAL INTERVIEWS TO MEDIA**

- i. Vijayalaxmi J.,(2010), '**Energy Efficiency in Green Buildings**', interviewed by Mrs.Renuka Sunderasan for IGNOU **GyanVani FM 105.6**, Broadcasted on 5<sup>th</sup> Nov. 2010 and 6<sup>th</sup> Nov. 2010 at 7.30 p.m.
- ii. Vijayalaxmi J.,(2010), '**Innovative Building Materials and Waste Management in Green Buildings**', interviewed by Mrs.Renuka Sunderasan for IGNOU **GyanVani FM 105.6**, Broadcasted on 12<sup>th</sup> Nov. 2010 and 13<sup>th</sup> Nov. 2010 at 7.30 p.m.
- iii. Vijayalaxmi J. (2010), '**Pasumai Kattidam (Green Buildings)**', under the programme '**Seidhi Vimarsanam**' interviewed by Mr. Tirupur Krishnan for **Prasar Bharati, Doordarshan Kendra, Podhigai Television** telecast on 30<sup>th</sup> July 2010 and 3<sup>rd</sup> August 2010 at 7.30 p.m. and 8.30 p.m respectively.
- iv. Vijayalaxmi J.,(2010), '**Green Buildings for Sustainability**', interviewed by Mrs.Renuka Sunderasan for IGNOU **GyanVani FM 105.6**, Broadcasted on 1<sup>st</sup> Oct. 2010 and 2<sup>nd</sup> Oct.2010 at 7.30 p.m.
- v. Vijayalaxmi J.,(2010), '**Importance of Site and Water for Sustainability**', interviewed by Mrs.Renuka Sunderasan for IGNOU **GyanVani FM 105.6**, Broadcasted on 8<sup>th</sup> Oct. 2010 and 9<sup>th</sup> Oct.2010 at 7.30p.m.