

# **BIODATA**

**Dr. JATINDER KAUR**

**Associate Professor**

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## **Personal Details**

**Nationality** India

**Date of Birth** 18<sup>th</sup> September, 1971

**Marital Status** Married

**Language(s)** English, Hindi, Punjabi

**Interests** Teaching, Research, Reading books, Travelling,

## **Research Interests**

Architecture of Bhai Ram Singh, Sacred Sikh Architecture, Design for Energy Efficiency

## **Education**

### **2021- present**

Pursuing Doctor of Philosophy (Ph.D.) from Jamia Millia Islamia, New Delhi

PhD Topic: A study of Bhai Ram Singh's work in the paradigm of Indo-Saracenic Architecture

**2008.** M. Arch in General Architecture

**1994.** Bachelors of Architecture (B.Arch.) from CET, Bathinda/ Punjabi University, Patiala

## **Achievements, Recognitions, Honours & Awards**

**2022. Team member, SAAR project Chandigarh Smart City, NIUA, GoI** from Jamia Millia Islamia, New Delhi

**2021. A3 Teacher Award**, A3 Foundation, Chandigarh

**2020. GATE 2020 All India Rank 09**

**2016. Certificate of Appreciation** guiding students for 2<sup>nd</sup> and 3<sup>rd</sup> prize in Birla White Yuva Ratna Awards

**2015. Awarded for guided students for INSDAG design competition upto Final round**

**Appreciation letter for conducting National Conference, and Alumni Meet, GZSCCET, Bathinda**

**2014. Appreciation letter** for performance as Dy. Dean (Academics)

**2010. India Today Build Today award for guiding students**, India Today Group (Build Today)

### **Professional Experience (Research and Teaching) since 1996 - 27 years**

- 2021 - till date**    **Ph.D. Research Scholar** at Jamia Millia Islamia, New Delhi
- 2010 – Till date**   **Associate Professor**, GZS School of Architecture and Planning, MRSPTU, Bathinda
- 2007 – 2010**        **Assistant Professor**, GZSCET, Bathinda
- 2002 – 2007**       **Lecturer (Senior Scale)**, GZSCET, Bathinda
- 1996- 2002**        **Lecturer**, GZSCET, Bathinda

### **Leadership and Administration**

- 2020 - 2021 -**                        **Estate Officer, MRSPTU, Bathinda**
- 2016 – 2019**                        **Head of Department, GZS School of Architecture & Planning, MRSPTU, Bathinda**
- 2016 – 2019**                        **Chairperson, Board of Studies, Architecture & Planning, MRSPTU, Bathinda**
- 2017 - 2019**                        **Chairperson, Board of Control, GZS School of Architecture & Planning, MRSPTU, Bathinda**

### **Architectural Design and Consulting Projects**

- 2014-15**        “Student Centre cum Open Air theatre” Design for GZS PTU Campus, Bathinda, PTU, Jalandhar (3.50 Crores / 18 months)
- 2009-2010**   “Interior Design of Polytechnic Building and Landscape Proposal” for Shaheed Bhagat Singh College of Engg. & Tech., Ferozepur, SBSCET, Ferozepur (20 Lakhs / 6 months)
- 2005-2006**   “Boundary wall, Chain link Fence Design for Deer Safari”, Beer Talab for District Forest Department, Bathinda District Forest Officer, Bathinda (15 Lakhs / 6 months)

### **Invited Expert, Affiliations/ Select Invited Expert Talks / Workshops**

- 2022.**                        **Delivered talk on Water in Sacred Sikh Architecture in Wednesdays for Water forum on 21.9.2022**
- 2020- 2016.**                        **Member, Building Advisory Committee, Central University of Punjab, Ghudda**
- 2019.**                        Distinguished speaker on Theme “Meeting two ends - Heritage and Indigenous Construction Practices” in International Conference - ANGAN, at New Delhi on 09 Sept. 2019. Topic : Understanding the key Architectural aspects of Energy Efficient Building

Design

**2018.**

Delivered lecture on “Energy Efficient Building Materials” in District level Workshop-cum Exhibition on Energy Efficient Building Materials at DC Complex, Fazilka on 9 Nov., 2018

Delivered expert lecture on “Influence of History on Interior Design”, School of Architecture, MMU, Ambala

**2013.**

Co-chaired Technical Session titled “Sustainable Buildings: Traditional Approach to Sustainability” in National Conference- ASPIRE 2013 at GZS PTU Campus, Bathinda on 11 Oct., 2013

### **Professional Associations:**

Member, Building Advisory Committee, Central University of Punjab, Ghudda since 2016

Paper Setter with Punjab University Chandigarh, GNDU Amritsar, IKGPTU Kapurthala, MRSPTU Bathinda, Chandigarh University Gharuan, MMU Ambala and MAU, Baddi

### **Publications**

#### **Research Papers**

1. ***Decision-Making Model for Energy Efficiency with Building Envelope Design***, ECS Transactions, 107 (1), SCImago Journal Rank (SJR) 0.206 pp10449-10461, ISSN- 1938-5862, 2022 (Jatinder Kaur, Ripu Daman Singh)
2. ***Benefits of Retrofitting- Greening Existing Buildings***, ABACUS BIT, Mesra, Monsoon Edition, ISSN: 0973-8339, Vol. 6, No. 2/ 39-44/ 2011 (Jatinder Kaur, Ripu Daman Singh)
3. ***The Emergence of New Architectural Tapestry in Sacred Sikh Architecture***, Journal of Indian Institute of Architects (JIIA, Mumbai), ISSN: 0019-4913 Vol. 79, Issue 11/ 57-60/ 2014 (Ripu Daman Singh, Jatinder Kaur)

#### **Book Chapters**

1. ***“Understanding Built Environment Investigating the Architectural Manifestations of Path and Place in Sacred Sikh Architecture”***, Singapore, Springer ISBN: 978-981-10-2138- 1, 37-46 (Ripu Daman Singh, Jatinder Kaur, Dr. Prabhjot Kaur)
2. ***“Green Cities Zero Cost measures for making Existing Buildings Sustainable”***, Macmillan Publishers India Ltd., ISBN 023-033-241-2, 141-149 (Jatinder Kaur, Ripu Daman Singh, Pankaj Chhabra)
3. ***“DOORS – Turning Spaces to Places”*** in Association with SPA, Vijaywada

#### **Conference Papers**

1. Etymological study of “Saracenic” in Indian Architectural Historiography, National Conference on

- Legacy of Islamic Architecture, 26.2.2023, Aligarh Muslim University, Aligarh
2. Pandit Baijna High School, Amritsar, Punjab – A case of forgotten built heritage, ICOMOS India Annual Scientific Symposium 2022-2023, 25.2.2023, RV College of Architecture, Bangalore
  3. People as Anchors of Placemaking: A Regeneration strategy for Urban Villages of Delhi, International Research Symposium on Urban Villages, 21.5.2022 and 22.5.2022, FOA&E JMI, NIUA, COA, Thammasat university Bangkok and UVCT
  4. Decision making model for Energy Efficiency with Building Envelope Design, National Conference, 12-13 November, 2021, Chitkara University, Punjab
  5. Singh R.D., Kaur P., Jha J.N., Investigating the Architectural Manifestations of Path and Place in Sacred Sikh Architecture, in National Conference on Sustainable built environment, IIT, Roorkee, 10-12 April, 2015
  6. Singh R.D. & Kaur J. (2015). Investigating the typologies of Sacred Sikh architecture based on character and function, in National Conference on LDCEE, 15-16 Oct., 2015
  7. Singh R.D., Kaur P., Jha J.N.,(2014). Investigating the typologies of Sacred Sikh architecture based on character and function, in Neo- International conference on Habitable Environments, LPU, Punjab, 31 Oct. -2 Nov., 2014, ISBN: 978-1-63415- 470-3
  8. Kaur J., Singh R.D., Jha J.N. & Aggarwal S.K. (2014). Striving for High Performance in Commercial Buildings: An Overview of Energy Conservation Measures, in National Conference and Workshop on Geotechnical Engineering Practice and Sustainable Infrastructure Development (GEPSID-2014), October 10 – 12, 2014, ISBN: 978-93-82052-05-0
  9. Singh R.D., Kaur J. & Kaur P. (2013). Benefits of Solar Thermal Technology for Community Cooking in Sacred buildings with special reference to Gurdwaras, in
  10. National Conference- ASPIRE, GZSPTU Campus, Bathinda, 10-11 October, 2013, ISBN: 978-93-82880-68-4
  11. Vij M., Singh R.D. & Kaur J. (2013). Energy Efficiency in Healthcare sector- Issues and Challenges, in National Conference- ASPIRE, GZSPTU Campus, Bathinda, 10-11 October, 2013, ISBN: 978-93-82880-68-4
  12. Kaur J. & Singh R.D. (2013). Inclusive Design approach for enhanced Energy efficiency – An insight into Energy Conservation Codes, in National Conference- ASPIRE, GZSPTU Campus, Bathinda, 10-11 October, 2013, ISBN: 978-93-82880-68- 4
  13. Kaur J. & Singh R.D. (2013). Climate Responsive Building Design using Efficient Building Form, Orientation and Passive Techniques, in National Conference on “Geotechnical & Geo-environmental Aspects of Wastes and their utilization in Infrastructure Projects”, Civil Engineering Department, GNDEC, Ludhiana, 15-16 February, 2013, ISBN: 978-81-923777-8-0
  14. Singh R.D. & Kaur J. (2012). Economic Benefits of Energy Conservation in Green Buildings- A case study of T-Zed Housing, in National Conference on “Latest Developments in Pollution Control and Prevention Techniques”, Civil Engineering Department, NITTTR Chandigarh, 21-22 November, 2012
  15. Singh R.D. & Kaur J. (2012). Adopting Biomimicry as an approach towards Sustainable Building Design, in Innovative Challenges in Civil Engineering, PTU GZS Campus, Bathinda, 15-16 March, 2012, ISBN 978-93-81583-28-9
  16. Kaur J., Singh R.D. & Garg H. (2010). Energy Conservation through Efficient Building Envelope Design, in National Conference on Advancements and Futuristic trends in Mechanical and Materials Engineering, PTU, Jalandhar
  17. Understanding Building Envelope Design- Beyond the realm of Energy Conservation Building Code

- National, 10-11 April, 2015, MMU Ambala
18. Envelope Performance Factor – A Key Indicator of an Energy Efficient Building Envelope National Conference, 10-12 April, 2015, IIT, Roorkee
  19. Energy Conservation Measures for achieving High Performance in Commercial Buildings, National Conference, 15-16 Oct., 2015, GZSCCET, MRSPTU, Bathinda
  20. Emerging Role of Building Envelope Design in Energy Efficiency- An insight into the Rating Systems of India International 31 Oct. -2 Nov., 2014 LPU, Jalandhar
  21. Striving for High Performance in Commercial Buildings: An Overview of Energy Conservation Measures, National Conference, 11 – 12 October, 2014, GNDEC, Ludhiana
  22. Benefits of Solar Thermal Technology for Community Cooking in Sacred buildings with special reference to Gurdwaras, National Conference, 10-11 October, 2013, GZSPTU Campus, Bathinda
  23. Energy Efficiency in Healthcare sector- Issues and Challenges, National Conference, 10-11 October, 2013, GZSPTU Campus, Bathinda
  24. Inclusive Design approach for enhanced Energy efficiency – An insight into Energy Conservation Codes, National Conference, 10-11 October, 2013, GZSPTU Campus, Bathinda
  25. Embodied energy of Building materials, National Conference, 10-11 October, 2013 GZSPTU Campus, Bathinda
  26. Climate Responsive Building Design using Efficient Building Form, Orientation and Passive Techniques, National Conference, 15-16 February, 2013, Civil Engineering Department, GNDEC, Ludhiana
  27. Economic Benefits of Energy Conservation in Green Buildings- A case study of T-Zed Housing, National Conference, 21-22 November, 2012, NITTTR Chandigarh
  28. Building Energy Design- A Challenge for Architects and Engineers, National Conference, 15- 16 March, 2012, PTU GZS Campus, Bathinda
  29. Adopting Biomimicry as an approach towards Sustainable Building Design, National Conference, 15-16 March, 2012, PTU GZS Campus, Bathinda
  30. Energy Conservation through Efficient Building Envelope Design, National Conference, 7-8 October 2011 PTU, Jalandhar