



**INSTITUTE OF HOME ECONOMICS**  
**UNIVERSITY OF DELHI**



Name	Dr. Pratima Singh	Photograph
Designation	Assistant Professor	
E-mail	pratima.singh@ihe.du.ac.in	
<b>Educational Qualifications:</b> <ul style="list-style-type: none"><li>• Ph.D. (Home Science), University of Delhi, Delhi</li><li>• M.Sc. (Home Science) with specialization in Community Resource Management and Extension, University of Delhi, Delhi</li><li>• B.Sc. (Home Science), University of Delhi, Delhi</li></ul>		
Teaching experience: 14 years		
<b>Subjects/Papers Taught:</b> Resource Management, Personal Finance and Consumer Studies, Resources and sustainable Development, Auto-CAD and Space Planning		
<b>Awards received</b> <ul style="list-style-type: none"><li>• Springer Best Paper Award in the “Occupant’s Performance and Behavioural Studies Category” at the 1<sup>st</sup> Asian Conference on Indoor Environmental Quality in 2019.</li><li>• Travel award from Ministry of Environment, South Korea for presenting research paper titled ‘Assessment of Respirable Suspended Particulate Matter (PM<sub>2.5</sub>) in Indian Urban Schools’ in the 9<sup>th</sup> International Conference on Children's Health and the Environment organized by INCHEs at Hoam Faculty House, Seoul, South Korea in 2018.</li><li>• Travel grant from UGC, New Delhi for presenting research paper at ‘8<sup>th</sup> International Conference on Children’s Health, Environment and Safety (INCHEs)’ held in Barcelona, Spain in 2016</li><li>• PPS Millennium National Teacher Award by Institute for Environment, Yoga and Social Security in 2016-2017</li></ul>		
<b>Research Interest/Specialization</b> Dr. Pratima Singh is working as Assistant Professor in the Department of Resource Management and Design		

Application from past 12 years. She has done her PhD on “Assessment of Indoor Environmental Quality and Students’ Performance in Private Schools of Delhi” from University of Delhi. Her research areas include Environment and Sustainability, Climate Change, Indoor Environmental Quality, Air Quality Management, Sustainable Waste Management, Green Architecture, and Community Resource Management. She is actively involved with various organizations like University of Delhi, National Council for Educational Research (NCERT), and National School of Open Learning (NIOS) for design and development of course curriculum, various books, study materials and MOOC courses. She has published a number of research papers in national and international journals and has co-authored number of books. She has received number of travel grants and awards from national and international organizations for presenting her research papers in international conferences. She also has expertise of organizing community outreach programs to solve social and economic problems faced by masses.

Prior to joining the University of Delhi, she worked as Lecturer in the Department of Extension Education, NCERT.

ORCID No. <https://orcid.org/0000-0003-4990-3203>

#### Research Projects

Title	Funding agency/organization	Duration of Project
Indoor Air Quality Assessment in Selected Schools of Delhi-NCR region	Research Council, University of Delhi	2015-2016 (One Year)
Indoor Light and Color Quality: Its impact on Student Health and Performance in Selected Schools (Green rated and Non-green rated)	Research Council, University of Delhi	2013-2014 (One Year)

#### Research papers since 2010 (APA format)

- Singh, P., Arora, R., & Goyal, R. (2020). Impact of Lighting on Performance of Students in Delhi Schools. *Lecture Notes in Civil Engineering Indoor Environmental Quality - Select Proceedings of the 1<sup>st</sup> ACIEQ published by Springer Nature Singapore Pte Ltd.*, 60, 95-108.
- Singh, P., Arora, R., & Goyal, R. (2020). Classroom Ventilation and its impact on Concentration and Performance of Students: Evidences from Air-conditioned and Naturally Ventilated Schools of Delhi. *Lecture Notes in Civil Engineering Indoor Environmental Quality - Select Proceedings of the 1<sup>st</sup> ACIEQ published by Springer Nature Singapore Pte Ltd.*, 60, 125- 137.
- Singh, P., & Arora, R. (March 2018). Indoor Air Quality in Schools: A review Based Study. *International Journal of Engineering and Scientific Research*, 6(3), 139-144.
- Singh, P., Arora, R., & Goyal, R. (2018). Assessment of Respirable Suspended Particulate Matter (PM<sub>2.5</sub>) in Indian Urban Schools. 9<sup>th</sup> International Conference on Children's Health and the Environment. Abstracts Conference proceedings. *Journal of Health and Pollution*, S87-S88.
- Singh, P., Arora, R., & Goyal, R. (May & June 2017). Indoor Air Quality Assessment in selected schools of Delhi-NCR, India. *International Journal of Applied Home Science*, 4(5 & 6), 389-394.
- Singh, P., & Arora, R. (2016). Assessment of Indoor Air Quality in Air-Conditioned and Naturally Ventilated Schools in Delhi. 8<sup>th</sup> International Conference on Children's Health and the Environment. Abstracts Conference proceedings. *Journal of Health and Pollution*, S128-S129.
- Singh, P. (January-March, 2015). Buildings for Life: Creating the Future, Conserving the Past. *Journal of Civil Engineering and Environmental Technology (JCEET)*, *Krishni Sanskriti Publications*, 2(3), 211-213.
- Singh, P. (July 2013). Indoor Environmental Quality & Student Health and Performance: A Conceptual Review. *International Journal of Physical and Social Sciences*, 3(7), 96 – 107.
- Singh, P. (2012). Buildings and Climate Change. *Journal of Energy, Environment & Carbon Credits*, 61-67.

#### Books published/edited

- 'Resource Management: An Introductory Manual', Elite Publishing House Pvt. Ltd., Daryaganj, 2013, ISBN 978-81-88-901-50-0.
- NCERT book 'Organic Farming' for classes VI-VIII, National Council of Educational Research and Training publication, May 2018, ISBN: 978-93-5292-016-7
- Landslide, Resource Material on Management of Disasters, National Council of Educational Research and Training publication, May 2017, ISBN 978-93-5007-841-9
- Earthquake, Resource Material on Management of Disasters, National Council of Educational Research and Training publication, May 2017, ISBN 978-93-5007-843-3
- Food Poisoning, Resource Material on Management of Disasters, National Council of Educational Research and Training publication, May 2017, ISBN 978-93-5007-852-5
- Chemical Hazards and Disasters, Resource Material on Management of Disasters, National Council of Educational Research and Training publication, May 2017, ISBN 978-93-5007-853-2
- Tsunami, Resource Material on Management of Disasters, National Council of Educational Research and Training publication, May 2017, ISBN 978-93-5007-840-2

- Drought, Resource Material on Management of Disasters, National Council of Educational Research and Training publication, May 2017, ISBN 978-93-5007-844-0
- Swine Flu, National Council of Educational Research and Training publication, June 2015, ISBN 978-93-5007-337-7
- Mosquito Borne Diseases- Malaria and Dengue, National Council of Educational Research and Training publication, June 2015, ISBN 978-93-5007-340-7
- HIV-AIDS, National Council of Educational Research and Training publication, June 2015, ISBN 978-93-5007-339-1
- Emerging Concern- Lifestyle Related Issues, National Council of Educational Research and Training publication, June 2015, ISBN 978-93-5007-338-4
- Fire and Stampede, National Council of Educational Research and Training publication, June 2015, ISBN 978-93-5007-336-0

#### Book chapters published/edited

- Singh, P., & Arora, R. (2016). Classroom Illuminance: Its impact on Students' Health Exposure & Concentration Performance. *Proceedings- International Ergonomics Conference HWWE*, 704-708.

#### Association with Professional Societies

- Life member of 'Society for Indoor Environment, India'
- Affiliate Member of Indian Society for Heating, Refrigerating and Air Conditioning Engineers (ISHRAE)

#### Any other

##### Participated as Resource Person:

- Workshop on 'Review and Upgrade Herbal Garden and Guidelines for Herbal Garden' conducted by Department of Education in Science and Mathematics, NCERT, New Delhi from 13<sup>th</sup> -20<sup>th</sup> March 2021
- Research program entitled "A study of the Traditional Indigenous Practices followed for Conservation of Natural Resources by Schedule Tribes of India" conducted by Department of Education in Science and Mathematics, NCERT at Ahmedabad from 22<sup>nd</sup> -25<sup>th</sup> January 2020
- Programme on 'An Impact Study of Learning in Science at Upper Primary Level in Chattisgarh' conducted by Department of Education in Science and Mathematics, NCERT, New Delhi in 2015-2016
- Programme entitled 'Review of Resource Material on Organic Farming' conducted by Department of Education in Science and Mathematics, NCERT in 2017
- Workshop on "Review and finalization of Human Ecology and Family Sciences Textbooks for class 12<sup>th</sup> (Hindi and English version)" organized by Department of Education in Social Sciences, NCERT, New Delhi, 2014-2015

- Workshop on “Review of Question Bank of Home Science (secondary level) for on demand examination system (ODES), conducted by Academic Department, National Institute of Open Schooling (NIOS), Noida, which was held in three phases in the year 2015
- Workshop conducted by NCERT on “Development of Resource Material for the Management of Natural Disasters” in 2012-2013
- Workshop on “Development of Resource Material for the Management of Man- made Disasters” in 15 days’ conducted by NCERT in 2012-2013

#### Invited Lectures:

- ‘The complexity of common challenges of SARS-CoV-2 virus transmission in the indoor environment at public facilities’ in Panel discussion on Championing Indoor Air quality Solutions in Mumbai Metropolitan Region (MMR) on 10<sup>th</sup> August 2021
- ‘Sick Building Syndrome and its Management’ in Online National Workshop and Training Programme on Building Capacity for Indoor Air Quality Management (IAQM) organized by SIE and NEERI on 11<sup>th</sup> -12<sup>th</sup> February 2021
- ‘Indoor Air Quality in Schools’ in online Technical Workshop on Indoor Air Quality in Commercial Buildings / Schools organized by ISHRAE Delhi Chapter on 19<sup>th</sup> December 2020
- ‘Indoor Air Quality in Schools and Occupant well-being’ in 13<sup>th</sup> ISHRAE Confluence organized by ISHRAE Ahmedabad chapter along with ASHRAE Western India at Ahmedabad on 18<sup>th</sup> January 2020
- ‘Indoor Air Quality & Productivity’ in Ventconf 2019- Indoor Air quality Opportunities & Challenges organized by ISHRAE on 2<sup>nd</sup> November 2019 at Indian Aviation Academy, New Delhi
- ‘Clean air in Hotels- The New Luxury in Today’s World’ in Urjavarani 2019-20, Urjavarani National Programme- Energy Sustainability Roadmap for Healthcare and Hospitality organized by ISHRAE Meerut Chapter at Meerut on 6<sup>th</sup> December 2019

#### Research Paper Presentations in International and National Conferences:

- Participated and presented research paper titled “Impact of Classroom Illuminance on Concentration Performance of Students” in the 1st Asian Conference on Indoor Environmental Quality organized by ISHRAE, IAQA and SIE at Indian Aviation Academy, Vasant Kunj, New Delhi on 1<sup>st</sup> and 2<sup>nd</sup> February 2019.
- Participated and presented research paper titled “Classroom Ventilation and its impact on Concentration Performance of Students: Evidences from Private Schools of Delhi” in the 1st Asian Conference on Indoor Environmental Quality organized by ISHRAE, IAQA and SIE at Indian Aviation Academy, Vasant Kunj, New Delhi on 1<sup>st</sup> and 2<sup>nd</sup> February 2019.
- Participated and presented research paper titled “Assessment of Respirable Suspended Particulate Matter (PM<sub>2.5</sub>) in Indian Urban Schools” in the 9th International Conference on Children's Health

and the Environment organized by INCHEs at Hoam Faculty House, Seoul, Korea from 27<sup>th</sup> - 29<sup>th</sup> June 2018.

- Participated and presented research paper titled “Assessment of Indoor Air Quality in Air-Conditioned and Naturally Ventilated Schools in Delhi” in 8<sup>th</sup> International Conference on Children's Health and the Environment organized jointly by the International Network on Children’s Health, Environment and Safety (INCHEs), the Institute of Environmental Assessment and Water Research (IDAEA) and Spanish Council for Scientific Research (CSIC) in Barcelona, Spain from 14<sup>th</sup>-16<sup>th</sup> September 2016.
- Poster presentation of Project title: ‘Indoor Air Quality Assessment in selected schools of Delhi-NCR region’ in Research Display at the convocation ceremony of University of Delhi held on 19<sup>th</sup> November 2016
- Participated and presented paper titled ‘Buildings for Life: Creating the Future, Conserving the Past’ in 6<sup>th</sup> International Conference on Innovative Trends in “Civil Engineering, Architecture and Environmental Engineering for Sustainable Infrastructure Development” (CEAESID- 2015) Organized by “Krishi Sanskriti” at Jawaharlal Nehru University, New Delhi, January 24-25, 2015
- Presented paper titled ‘Classroom Illuminance: Its impact on Students’ Health Exposure & Concentration Performance’ at International Ergonomics Conference - ‘Humanizing Work and Work Environment 2014’ organized by Department of Design, Indian Institute of Technology, Guwahati from 3<sup>rd</sup> to 5<sup>th</sup> December 2014
- Participated and Presented paper titled, “Building and Climate Change” in the Second National Conference on “Impact of Climate Change on Habitat and Health, conducted by IDC Foundation on 13<sup>th</sup> -14<sup>th</sup> September, 2012