



**BHAGINI NIVEDITA COLLEGE (UNIVERSITY OF DELHI)**  
**Kair, Near Najafgarh, New Delhi - 110043**  
**Faculty Details proforma for College Web-site**

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| Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Dr.                                                             | First Name | Priyanka | Last Name | Kulshreshtha | Photograph |
| Designation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Assistant Professor                                             |            |          |           |              |            |
| Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | D-1101, Sunshine Helios, Sector 78, Noida-201301, Uttar Pradesh |            |          |           |              |            |
| Phone No Office                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |            |          |           |              |            |
| Residence Mobile                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | +91-9810288418                                                  |            |          |           |              |            |
| Email                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Priya.kulsh@gmail.com                                           |            |          |           |              |            |
| Web-Page                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                 |            |          |           |              |            |
| Educational Qualifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                 |            |          |           |              |            |
| Degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Institution                                                     |            |          |           |              | Year       |
| Post doctorate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | University of Milan, Italy                                      |            |          |           |              | 2010       |
| Ph.D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | University of Delhi, New Delhi, India                           |            |          |           |              | 2008       |
| M.Sc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | M.S. University of Baroda, Vadodara, India                      |            |          |           |              | 2001       |
| B.Sc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Dr.Bhimrao Ambedkar University, Agra, India                     |            |          |           |              | 1999       |
| Career Profile                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                 |            |          |           |              |            |
| <p>Dr. Priyanka Kulshreshtha has relevant academia and industry experience of 20 years in the field of Resource Management, Indoor Air Quality, Waste Management, Entrepreneurship and Consumer studies. Her core domain of work has been concentrated on primary and secondary research on Indoor Air Quality and health exposure assessment. She has supervised 9 Master's dissertations and has been an expert at various forums. She has been on the editorial board of prominent international journals, Journal of Health and Pollution, Sustainability in Environment, Air Quality, Atmosphere and Health, Environmental Research, to name a few. She has the experience of working in European Union Project "HEALTHVENT" and has to her credit more than 30 publications in refereed international journals, articles, and conference papers and books chapters. She is a visiting faculty at <b>International Centre for Environmental Audit and Sustainable Development (iCED)</b> for capacity building of IAAS officers on issues related to environment and sustainable development in India. She has worked with <b>Central Pollution Control Board (CPCB)</b> in formulation and scoping of IAQ guidelines in India. She was the part of organizing committee team which successfully organized <b>Asian Conference on Indoor Air Quality (ACIEQ 2019 and ACIEQ 2023)</b> in New Delhi She is also spearheading IAQ monitoring and audit projects across India with</p> |                                                                 |            |          |           |              |            |



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| established institutions. Dr. Priyanka is a <b>Certified ESG Impact leader</b> from Indian Institute of Corporate Affairs (IICA), Ministry of Corporate Affairs, India.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |                                                                |                                      |                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------|--------------------------------------|---------------------------------|
| Administrative Assignments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |                                                                |                                      |                                 |
| 1. <b>NAAC committee member (2017), Department of Resource Management and Design Application, Lady Irwin College.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |                                                                |                                      |                                 |
| Areas of Interest / Specialization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |                                                                |                                      |                                 |
| Resource Management, Indoor Air Quality research, Environmental-Social-Governance(ESG), Sustainable Development, Sustainability Reporting, Entrepreneurship                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |                                                                |                                      |                                 |
| Subjects Taught                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |                                                                |                                      |                                 |
| 1. Foundations of Research Management, B.Sc<br>2. Personal Finance and Consumer studies, B.Sc<br>3. Entrepreneurship development and Enterprise management, B.Sc<br>4. Psycho-social dimensions of family and community, B.Sc<br>5. Space Design and Sustainability, B.Sc<br>6. Resources and Sustainable Development, B. Sc<br>7. Family Finance and Consumer studies, B. Sc<br>8. Housing and Space Planning, B. Sc<br>9. Health and Safety in Built Environment, M. Sc<br>10. Environment Management: Dimensions and Approaches, M. Sc<br>11. Sustainable Habitat and Sociocultural environment, M. Sc<br>12. Consumer Behaviour and Marketing Management, M. Sc<br>13. Project Management, M. Sc<br>14. E-tourism, Skill Enhancement Course(SEC)<br>15. Digital Marketing, Skill Enhancement Course(SEC)<br>16. Business Communication, Skill Enhancement Course(SEC)<br>17. Emotional Intelligence, Value Added Course(VAC) |                                        |                                                                |                                      |                                 |
| Time table of the subjects taught during the current semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |                                                                |                                      |                                 |
| S.N o.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Subject                                | Days                                                           | Time                                 | Classroom                       |
| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Foundations of Resource Management     | Monday<br>Wednesday                                            | 11:00-1:00p.m.<br>9:00a.m.-12:00p.m. | Room 37<br>Room 23, 37, bio lab |
| 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Space Design and Sustainability        | Monday and<br>Wednesday                                        | 2:00-5:00p.m.<br>12:00-1:00p.m.      | Room 37<br>Room 6               |
| 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Personal Finance and Consumer studies  | Thursday                                                       | 1:00-4:00p.m.                        | Room 37                         |
| 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Social Policy and National Development | Monday                                                         | 1:00-2:00p.m.                        |                                 |
| Research Guidance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                                                |                                      |                                 |
| S.No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SUPERVISED AS                          | TOPIC                                                          |                                      | YEAR                            |
| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Co-Supervisor                          | PM2.5 and PM10 Concentration and Ventilation Rate in Partially |                                      | May 2024                        |



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|    |               |                                                                                                                                                   |           |
|----|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|    |               | Ventilated Air-Conditioned Classroom (M.Tech, IIT Delhi)                                                                                          |           |
| 2. | Co-Supervisor | Capacity Building of Youth on E-Waste Management: A Study(Delhi University)                                                                       | May 2023  |
| 3. | Co-Supervisor | Personal Exposure Monitoring of PM2.5 in specified time activity patterns in Delhi-NCR using MicroPEM; an Intervention study (Delhi University)   | May, 2022 |
| 4. | Co-Supervisor | Effect of oxygen enriched air on performance of users: An Assessment(Delhi University)                                                            | May, 2019 |
| 5. | Co-Supervisor | “Capacity Building of stakeholders towards Solid Waste management in schools of Delhi-NCR: An action research” (Delhi University)                 | May, 2019 |
| 6. | Co-Supervisor | Distribution of tropospheric ozone and its correlation with its precursors: A case study of Delhi(Delhi University)                               | May, 2017 |
| 7. | Co-Supervisor | Improvisation of water management practices in Delhi: An action research(Delhi University)                                                        | May, 2017 |
| 8. | Co-Supervisor | Physicochemical characterization of respirable particulate matter in underground metro station platform: a case study in Delhi (Delhi University) | May, 2014 |
| 9. | Co-Supervisor | Exposure Assessment and Awareness regarding nanoparticles in cosmetics : A stakeholder’s perspective(Delhi University)                            | May,2014  |

#### Publications Profile

1. **Priyanka Kulshreshtha** and Rakhi Ghosh (2018). A Study on seasonal variation of the primary and secondary air pollutants in the metropolitan cities of India, The Indian Journal of Home Science (e journal), Vol.30 (I),pp 29-38,ISSN-09702733
2. Arindam Dattaa, R. Suresh, Akansha Gupta, Damini Singh, **Priyanka Kulshreshtha** (2017). Indoor air quality of non-residential urban buildings in Delhi, India. International Journal of Sustainable built environment, Volume 6, Issue 2, Pages 412-420. ISSN:2212-6090, 22126104
3. Ghosh Rakhi, Gupta. P, Khare, M, **Kulshreshtha, P.** (2017). Seasonal Variation of Tropospheric Ozone and Its Association with the Chemical and Meteorological Precursors in Delhi, India, Sustainability in Environment, 2(2):223-257. ISSN: 2470-637X (Print) ISSN 2470-6388 (Online)
4. **Kulshreshtha, Priyanka**, Sharma, Akansha, Verma, Akshata, Rai, Ankita, Yadav, Mitali,Ghosh, Rakhi, Awasthy, Sumedha and Gupta, Puja (2017).Assessment of Indoor Environmental Quality(IEQ) in a newly constructed institutional building in Delhi. International. Journal of Applied Home Science, 4 (3 & 4): 157-165. ISSN: 2394-1413
5. Mishra, G., Gupta, P., **Kulshreshtha, P.**, Babu, P. &Khare, M. (2016). Physicochemical characterization of respirable particulate matter in an



- underground metro station platform: a case study in Delhi. Indian Journal of Environmental Protection, 36(2), 88-96. ISSN :0253-7141.
6. **Priyanka Kulshreshtha** and Mukesh Khare (2012). "Indoor air pollution and its impact on women's health in Delhi, India" Indian Journal of Environment Protection Vol 32(10), pp 848-856. ISSN: 0253-7141.
  7. **Priyanka Kulshreshtha** and Mukesh Khare (2011)," Indoor exploratory analysis of gaseous pollutants and respirable particulate matter at residential homes of Delhi, India", Atmospheric Pollution Research Vol 2, pp 337-350. ISSN: 1309-1042. **Impact Factor: 1.011**
  8. **Priyanka Kulshreshtha** and Mukesh Khare (2010), "A comparative study of indoor air pollution and its respiratory impacts in Delhi, India", WIT Transactions on Ecology and the Environment 136, pp. 287-296. International Conference on Modelling, Monitoring and Management of Air Pollution; Air pollution XVIII. ISSN: 1743-3541.
  9. **Priyanka Kulshreshtha**, Mukesh Khare and Premavathy Seetharaman (2008), "Indoor air quality assessment in urban slums of Delhi city, India", Indoor air. Vol. 18(6), pp 488-498. ISSN / eISSN:0905-6947 / 1600-0668, Impact factor :4.92

#### MONOGRAPH/BOOKLET

1. **Kulshreshtha, Priyanka** and Mukesh Khare , "Indoor air pollution and health- A health perspective." ISBN: 978-3-639-26093-9, VDM Verlag Dr. Müller, Germany. 2010.
2. Suman Mor, Radha Goyal, **Priyanka Kulshreshtha** and Ravindra Khaiwal, "Mitigating children exposure to traffic air pollution" (Hindi version) ,Global Centre for Clean Air research(GCARE) and Guildford Living lab, University of Surrey, Britain ,U.K. 2020.

#### EDITED BOOK/BOOKS CHAPTERS

1. Verma, R., Parashar, B., **Kulshreshtha, P.**, Shukla, B.K. (2025). Machine Learning Perspectives on Solar Panel Efficiency: The Impact of Pollutants and Environmental Factors. In: Pathak, S., Shukla, A.K., Sharma, S., Singh, V.P. (eds) Intelligent Infrastructure and Smart Materials. Springer, Cham. [https://doi.org/10.1007/978-3-031-92421-7\\_8](https://doi.org/10.1007/978-3-031-92421-7_8).
2. **Kulshreshtha,P.**,Chintala,S., Kumar,P. & Aggarwal Barun(Eds) (2024) *Indoor Environmental Quality, Select Proceedings of ACIEQ 2023*, Lecture in Civil Engineering Notes, Vol 380, Springer Publishers[ISBN 978-981-99-4680-8, ISBN 978-981-99-4681-5 (eBook), ISSN 2366-2557 ISSN



2366-2565 (electronic), <https://doi.org/10.1007/978-981-99-4681-5>

3. Gupta, A., Goyal, R., **Kulshreshtha, P.**, Jain, A. (2020) Environmental monitoring of PM2.5 and CO2 in indoor office spaces of Delhi, India. *Lecture Notes in Civil Engineering*, 60, pp. 67-76. Springer Publishers. [ISSN: 2366-2557]
4. **Kulshreshtha, Priyanka (2018)** “Effects of Air Pollution on Human Health” in Pallavi Saxena and Vaishali Naik (Ed.) *Air Pollution Sources, Impacts, Controls*, pp 134-149 [ISBN 978-17-8639-390-6]
5. Gurjar, B.R., Ohara, T., Khare, M., **Kulshreshtha, P.**, Tyagi, V, Nagpure, A.S. (2018) “South Asian perspective- A case of Urban Air Pollution and potential for climate co-benefits in India”, in Mahendra Sethi and Jose A. Puppim de Oliveira (Ed), *Mainstreaming Climate co-benefits in Indian cities: Post Habitat III: Innovations and Reforms* (pp. 77-98). Springer Publishers. [ISBN 978-98-1105- 815-8]
6. **Kulshreshtha, Priyanka.**, Sumanth Chintala and Mukesh Khare (2017) “Indoor exposure to particulate matter” in P. Kumar (Ed.), *Airborne particles: Origin, Emissions and Health impacts* (pp. 51- 64). Hauppauge, N.Y., USA.: Nova Publisher’s Inc., [ISBN 978-15-3610-965-8 (hard cover) ISBN 978—15-3610-988-7 (e book)]
7. **Kulshreshtha, Priyanka** and Mukesh Khare (2012) “Quality indoor air for healthy children”, in S.R. Garg (Ed.), *Human and Animal Health: Environmental Perspectives* (pp. 481-501). New Delhi, India: SSPH Publishers [ISBN 978-93-8122-630-8]
8. **Kulshreshtha, Priyanka** and Mukesh Khare (2011) “Indoor air pollution and health”, in S.R. Garg (Ed.), *Environment Security: Human and Animal Health*, (pp. 273-295). Lucknow, India: IBDC Publishers. [ISBN 978-81-8189-171-6].

#### **PUBLICATIONS IN MAGAZINES / NEWSPAPERS/REPORTS**

1. Priyanka Kulshreshtha (2025), “IAQ in Schools- A tale of 11 cities in India” Society for Indoor Environment, Aug 2025, Hyderabad.
2. Madhu Jaswal and **Priyanka Kulshreshtha** (2019), “Reducing risk of poor IAQ in hospitals”, in *Cooling India Magazine*, April Vol 14, No. 9, pp 36-41, Chary publications, Mumbai.
3. **Priyanka Kulshreshtha** and Geetika Mishra (2017), “Indoor environmental quality and occupant well-being in India: a paradigm shift”, in special issue of SQ- Raising the sustainability quotient, Sustainability Quotient of the Bombay Chamber of Commerce and Industries (BCCI) on Indoor Air Quality, Vol No. 2, pp 6-7.
4. **Priyanka Kulshreshtha** and Mukesh Khare (2013), “Indoor air quality in built environment”, in *Cooling India Magazine*, Feb issue, Vol 8 No. 11, pp 82-87, Chary Publications, Mumbai.



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| Publications in the Last one year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |      |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------|----------|
| <p>1. Verma, R., Parashar, B., <b>Kulshrestha, P.</b>, Shukla, B.K. (2025). Machine Learning Perspectives on Solar Panel Efficiency: The Impact of Pollutants and Environmental Factors. In: Pathak, S., Shukla, A.K., Sharma, S., Singh, V.P. (eds) <i>Intelligent Infrastructure and Smart Materials</i>. Springer, Cham. <a href="https://doi.org/10.1007/978-3-031-92421-7_8">https://doi.org/10.1007/978-3-031-92421-7_8</a>.</p> <p>2. <b>Kulshreshtha, P.</b>, Chintala, S., Kumar, P. &amp; Aggarwal Barun (Eds) (2024) <i>Indoor Environmental Quality, Select Proceedings of ACIEQ 2023</i>, Lecture in Civil Engineering Notes, Vol 380, Springer Publishers [ISBN 978-981-99-4680-8, ISBN 978-981-99-4681-5 (eBook), ISSN 2366-2557 ISSN 2366-2565 (electronic), <a href="https://doi.org/10.1007/978-981-99-4681-5">https://doi.org/10.1007/978-981-99-4681-5</a>]</p>                                                                                                                                                                                             |                                   |      |          |
| Conference Organization/ Presentations (in the last three years)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |      |          |
| <p>1. Organised a technical workshop on ““Advancing Indoor Research(AIR) on Health, Productivity and Equity” in Healthy Buildings 2025 on 20<sup>th</sup> Aug 2025 in Hyderabad, India.</p> <p>2. Organising Scientific Committee member for ‘Healthy Buildings 2025’ flagship conference of ISIAQ organised from 18<sup>th</sup>-21<sup>st</sup> Aug 2025 in Hyderabad, India.</p> <p>3. Organised SIE National Conclave on Indoor Environmental Quality 2024 (IEQ 2024) on 2<sup>nd</sup> March 2024, in IIT Delhi.</p> <p>4. Organised International Conference, Asian Conference on Indoor Environmental Quality (ACIEQ 2023) on 24<sup>th</sup>-25<sup>th</sup> Feb 2023, New Delhi.</p> <p>5. Organized a workshop on ‘Stress Management techniques’ on 11<sup>th</sup> Nov 2022 by Ms. Sandhya Chandrshekhar for B.A. and B.Sc students at Bhagini Nivedita College.</p> <p>6. Organized a webinar on “Starting a Start-up” by Mr. Anuj Jain, CEO, Start-up-O for Department of Home Science, Bhagini Nivedita College, Univ of Delhi, on 5<sup>th</sup> March 2022.</p> |                                   |      |          |
| Topic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Conference/<br>Workshops/Meetings | City | Year     |
| 1. IAQ in Indian Schools                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IAQ 2025 Conference               | Pune | Oct 2025 |



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|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------|-----------|
| 2. Indoor Environmental Quality, a public health challenge- Roadmap to IAQ guidelines in India | A webinar with Bihar Pollution Control Board                                                                         | Patna     | Dec 2024  |
| 3. Progress Report on “Formulation of Indoor Air Quality Guidelines” by SIE                    | 2 <sup>nd</sup> Joint Committee Meeting for IAQM at Central Pollution Control Board                                  | New Delhi | June 2022 |
| 4. Causes and Concerns of Indoor air pollution in Commercial buildings                         | Dept. of RMCS - Winter school on “Energy Consumption and Environmental Pollution in Interiors: Issues & Challenges”- | Hyderabad | Feb, 2022 |

#### Research Projects (Major Grants/Research Collaboration)

##### RESEARCH COLLABORATION

- **Project AIMS (Air Indoor Monitoring in Schools) in New Delhi: At Society for Indoor Environment, November 2024- Ongoing**  
Monitoring indoor air quality (PM<sub>2.5</sub>, CO<sub>2</sub>, VOCs, indoor temperature and Relative Humidity in naturally and mechanically ventilated schools of New Delhi, India. The real time indoor air quality data will be collated with the qualitative data (time activity pattern, questionnaire) to understand its effect on school children,
- **Maharashtra Pollution Control Board Project “Evaluation of Air Quality in different Indoor Environments in Mumbai Metropolitan Region (MMR) Representative of Maharashtra State with Special Reference to Non-Attainment Areas & critically / severely impacted areas and Formulation of Best Practices for better Indoor Air Quality (IAQ)”**: At Society for Indoor Environment, March 2024-Ongoing  
Monitoring and assessment of IAQ in 700 public spaces (i.e. offices, schools, restaurants, malls, cinema halls) in Mumbai and Chandrapur to set a baseline data on IAQ and understanding its impact on health of the population exposed in the public spaces. *First of its kind project on IAQ in India taken up by a State Pollution Control Board.*
- **Project on Performance Evaluation of an Indoor Air Purifier of Your Own Green Area (YOGA) in varying Indoor Exposure Spaces: As Principal Project Scientist at IIT Delhi, Dec 2022-Feb 2023**  
Assessed the efficiency of YOGA’s Clean Air Bubble (YCAB) for exposure amongst various residences, offices, school and coffee house in Delhi NCR. Monitoring of PM<sub>2.5</sub> and CO<sub>2</sub> in these microenvironments for a duration of 24 hours with



YCAB in operation and the data was analyzed to understand the efficiency of the YCAB.

- **Policy document on Formulation of interim Indoor Air Quality (IAQ) guidelines with Central Pollution Control Board (for India): At Society for Indoor Environment, June 2022**

SIE was assigned the task of submission of a report on formulation of interim IAQ guidelines for public places, by Ministry of Environment Forest and Climate Change (MoEFCC) and Central Pollution Control Board (CPCB). This was done after a direction from National Green Tribunal (NGT) was taken and conveyed to CPCB in April 2022.

- **Project SORT (Segregation of organic waste for recycling and treatment): At Indian Pollution Control Association, 2018-2019**

The CSR Project was being implemented in 7 sites in Delhi NCR in 2018 and 14 new sites were added to the project in 2019. The objective of the project was to inculcate the practice of segregation of waste at source in residential colonies and then treating the wet waste at source by using AEROBINS (bins based on aerobic composting principle). This diverted more than 3000 MT of wet waste from reaching the landfills in one year and also converted the waste to a resource, thereby supporting Circular Economy.

- **R&D Project “Status of non-woven bags waste in India”: At Indian Pollution Control Association, 2018**

The project was aimed at understanding the supply chain of non-woven bags waste in four metropolitan cities of India. After a thorough literature review, questionnaires were formulated for all the stakeholders in the non-woven bags waste supply chain, data was collected and analyzed using “cradle to grave” approach.

- **Project MAQuID (Mapping of Air Quality Urban Indoors in Delhi): In collaboration with CERCA, IITD at Society for Indoor Environment (SIE), 2019-2020**

The projects aimed at understanding the dynamics and trend of indoor air in 10 public places including schools, offices, colleges, hospitals, malls, shopping complex, hotels, theatres etc by monitoring indoor air quality for PM<sub>2.5</sub>, PM<sub>0.3</sub>, CO<sub>2</sub>, TVOCs, temperature and relative humidity in Delhi NCT.

- **Project PAQM (Project on Air Quality Monitoring): At Society for Indoor Environment (SIE), 2019 Ongoing**

The project aims at studying the varying trends of air quality, ambient and indoors along with meteorological parameters in Tier 2 cities



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(Jodhpur, Mathura, Agra, Baraut) on Indo Gangetic plains. Capacity Building Programs on Air Quality Monitoring at National level workshops in Jodhpur, Agra, and Mathura were conducted under this project.

#### Awards and Distinctions

1. Nominated to participate in the **2021 Commonwealth Science Conference (CSC)** virtually from 22<sup>nd</sup> -26<sup>th</sup> Feb 2021.
2. Awarded “**GAURAVACHARYA**” award by National Institute for Education and Research for Research and Teaching – **2017**
3. Selected as **Early career Researcher** in Researcher Links Scheme workshop under the Newton Fund, organized by British Council and Royal Society of Chemistry, titled, “Urban Air Pollution in Indian and UK cities: Characterization and Prediction of Chemically Reactive Air Pollutants” held at IIT Delhi – **2016**
4. **National Merit Scholarship** by Government of India – **1996 -2001**.
5. **U.P. Govt. award** for securing **19th position** at Intermediate (State Level) in the **Merit list of Uttar Pradesh** (India) - **1996**.
6. **Gold medal** for securing **1st position** at B.Sc in Dr B.R. Ambedkar University, Agra – **1999**
7. **Topper** in department of Resource Management in **M.Sc** at M.S. University of Baroda, Vadodara
8. **First Prize** in the **National Children Science Congress** at Lucknow (State level) - **1993**.
9. Recognition for the **best performance at National level** in the National Children Science Congress held at New Delhi organized by **N.C.S.T.C.** – **1993**
10. Selected and completed the online Course in **Research Writing: Environmental health**, offered by Author AID at INASP and Blacksmith Institute- **2013**

#### Association With Professional Bodies

1. Scientific Committee and Inbound Committee member for **HEALTHY BUILDINGS 2025**, Hyderabad.
2. Member of National Association of Impact Leaders (NAIL), a community of Indian Institute of Corporate Affairs (IICA) Certified ESG Professionals- Impact Leaders, since 2024.
3. Conclave Organising Secretary at SIE National Conclave 2025 on Indoor Environmental Quality IEQ 2025 with the theme “Starting with schools” at IIT Delhi , Feb 2025.
4. Worked with **National Testing Agency (NTA)**for specialized workshops



## BHAGINI NIVEDITA COLLEGE (UNIVERSITY OF DELHI)

Kair, Near Najafgarh, New Delhi - 110043

### Faculty Details proforma for College Web-site

and other related activities.

5. Organising Committee Chair at SIE National Conclave on Indoor Environmental Quality IEQ 2024 with the theme “Transitioning from outdoors to indoors” at IIT Delhi, Mar 2024.
6. Co-Chair, Organising committee, *Asian Conference on Indoor Environmental Quality (ACIEQ) 2023* (Feb 2023)
7. Team member of Exposure and Risk Analysis Unit (ERAU) in *Project Technical Air Resource Unit (TARU)* Department of Science and Technology-IIT Delhi in May 2022- Ongoing
8. Member (IAQ- Technical group Chair), *ISHRAE National Technical Committee* FY 2022- 2025.
9. ISHRAE Institute of Excellence Chair, *Delhi Chapter of ISHRAE*, 2021-22
10. Special Executive Committee Member (Environment Sector) in *MSME Chamber of Commerce and Industries of India*, from 4<sup>th</sup> Nov 2020 till 31<sup>st</sup> Dec 2023.
11. Member, *Indoor Air Quality Association (IAQA), India Chapter* from Oct 2020-21.
12. **Women Co -Chair and Student Co-Chair member**, at Delhi Chapter of ISHRAE from May 2020-21
13. **EDITOR**, SIE Quarterly Newsletter “THE INDOORS” from Aug 2019
14. Member, Technical Committee, VENTCONF (2019) Annual Conference organized by *Indian Society for Heating, Refrigerating and Air conditioning Engineers (ISHRAE)* on 2<sup>nd</sup> Nov at IAA, New Delhi
15. Scientific Co-Convener, *Asian Conference on Indoor Environmental Quality (ACIEQ) 2019*
16. Founding Member, *Society for Indoor Environment (SIE)*, Feb 2017
17. Scientific Committee member for *AIR-O2-THON* International Summit Series on Air Pollution in 2016.
18. Life Member, *Home Science Association of India (HSAI)*, 2016

#### Other Activities

#### REVIEWER/EDITORIAL BOARD/MENTOR

1. Editor of Select Proceedings on Indoor Environmental Quality for ACIEQ 2023 published by Springer (2024)
2. Reviewer for *Journal of The Institution of Engineers (India): Series A(1)* by Springer Nature (New York, US)- 2020 , SOURCE-WORK-ID: 82ded620-b18e-4b04-b987- 88ac400775d4(ORCID)
3. Editorial Board Member for *International Journal “Journal of Health and Pollution”* by Pure Earth (formerly Blacksmith Institute), New York USA – 2018



## BHAGINI NIVEDITA COLLEGE (UNIVERSITY OF DELHI)

Kair, Near Najafgarh, New Delhi - 110043

### Faculty Details proforma for College Web-site

4. Editorial Board Member and Reviewer in *International journal "Sustainability in Environment"* ISSN 2470-637X (Print) ISSN 2470-6388(Online) - 2016.
5. Reviewer for Master's Curriculum for Delhi University, *CBCS for Resource Management and Design Application*, Lady Irwin College.
6. Reviewer for *International Journal "Current Nutrition and Food Science"* UND Life Sciences, USA from -2017.
7. Reviewer for *International Journal "International Journal for Air and Waste Management"* of Taylor and Francis publications -2016
8. Reviewer for *International journal "Air Quality, Atmosphere and Health"* (Impact Factor: 1.80) of Springer publication from - 2015
9. Reviewer for *International Journal "Environmental Research"* (Impact Factor: 4.37) of Elsevier's publication -2014.
10. Reviewer for *International Journal "Atmospheric Pollution Research"* (Impact Factor: 1.37) of Elsevier journal – 2012- Present
11. Reviewer in Scientific Committee of the "*Indo-French Seminar on Indoor Air Quality: Monitoring, Prediction Assessment and Cleaning*" in Nantes, France- 2010
12. Tech Expert for *Startup-O, a Singapore based organization for seed funding of startups* for Season 5, 6,7 from Feb 2018 - Present.
13. *Climate Launchpad Coach* for Startups in India since July 2019.

#### VISITING FACULTY

1. International Centre for Environmental audit and Sustainable Development, Jaipur (Training of Indian audit and accounts officers)- 2017 till date.
2. Delivered invited lectures for Environmental instrumentation and Environmental Engineering classes for M.Tech (Civil) at Indian Institute of Technology (I.I.T.) Delhi - 2003-2005
3. Delivered Invited lectures on Indoor Air Quality and health for Master of Science (M.S.) course.(Risk Assessment and Risk Analysis) at Department of Occupational and Environmental Health, Ospedale Luigi Sacco, University of Milan, *Milan, Italy- 2010*

#### MEDIA INTERACTIONS

1. Podcast with Simon Jones on "Air Quality Matters" in Feb 2024  
[https://www.buzzsprout.com/2264976?client\\_source=large\\_player&iframe=true&referrer=https://www.buzzsprout.com/2264976.js?container\\_id=buzzsprout-large-player&player=large#](https://www.buzzsprout.com/2264976?client_source=large_player&iframe=true&referrer=https://www.buzzsprout.com/2264976.js?container_id=buzzsprout-large-player&player=large#)
2. Live Radio Talk on Air Pollution title "Swasthya Sanjeevani Phone in



**BHAGINI NIVEDITA COLLEGE (UNIVERSITY OF DELHI)**  
**Kair, Near Najafgarh, New Delhi - 110043**  
**Faculty Details proforma for College Web-site**

- program. Badta Pradooshan aur hamaara Swaasthya” on 6<sup>th</sup> Nov 2019 at 7:05 a.m. on Prasaar Bharti, Broadcasting Corporation of India.
3. Live Radio Talk on Air Pollution title “Swasthya Sanjeevani Phone in program. Badta Pradooshan aur hamaara Swaasthya” on 17<sup>th</sup> Dec 2018 at 7:05 a.m. on Prasaar Bharti, Broadcasting Corporation of India.
  4. Featured in TOI article titled “Increase in Benzene levels and NO2 a worry: Experts” on 8<sup>th</sup> November 2018.
  5. Expert in Panel Discussion on “Face off: Time to Declare an air emergency in Delhi” on 30<sup>th</sup> Oct 2018 at News18.com. <https://www.news18.com/videos/india/face-off-time-to-declare-an-air-emergency-in-delhi-1925035.html>
  6. Live Radio talk show on Air Pollution and Health in Phone in program. Badta Pradooshan aur hamaara Swaasthya” on 1<sup>st</sup> Aug 2018 at 7:05 a.m. on Prasaar Bharti, Broadcasting Corporation of India.
  7. Expert in Panel Discussion on “Air Pollution affects lifestyle” at Republic TV on 5<sup>th</sup> Nov 2017 featured on 18<sup>th</sup> -19<sup>th</sup> Nov 2017. <http://www.republicworld.com/india-news/environment/watch-sharps-expert-panel-talks-about-the-ills-of-air-pollution>
  8. Featured in TOI article titled “Experts: Air at your home may be worse” on 21<sup>st</sup> September 2017.
  9. Featured in TOI article titled “Even with purifiers on, the air inside your house can be highly polluted” on Oct 4 2017.

Signature of Faculty Member

- You are also requested to also give your complete resume as a DOC or PDF file to be attached as a link on your faculty page.



**BHAGINI NIVEDITA COLLEGE (UNIVERSITY OF DELHI)**  
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