




Faculty Details Performa for DU Web-site

Title	Dr.	First	Chirashree	Last	Ghosh	Photograph
Designation		Associate Professor				
Address		Dept. of Environmental Studies University of Delhi Delhi 110007				
Phone No	Office	2766 7125				
	Reside	26283629				
	Mobil	9711492873				
Email		chirashreeghosh23@gmail.com chirashreeghosh@rediffmail.com				
Web-Page						
Educational Qualifications						
Degree		Institution			Year	
Post Doc.		University of Wageningen, The Netherlands			1993 & 1994 (Two Years)	
Ph.D.		Visva Bharati University			1992	
PG		Visva Bharati University			1986	
UG		Visva Bharati University			1984	
Career Profile						
University of Delhi	–	Associate Professor	–	2012- Till Date	–	Teaching and Research
University of Delhi	–	Sr. Asst. Professor	–	2004-2012	–	Teaching and Research
University of Delhi	–	Asst. Professor	–	2003-2004	–	Teaching and Research
IIT, Delhi	–	Project Scientist	–	1999-2003	–	Research
IIT, Delhi	–	Pool Officer	–	1996-1999	–	Research
Administrative Assignments						
<ol style="list-style-type: none"> 1. Nodal officer of entrance exam. 2017-2018 2. PG course coordinator 2016-2017; 2017-2018 3. Member of Screening committee for the college teacher selection, 2015-2016, 2016-2017 4. Coordinator of the purchase committee under XII GPA Plan allocation, 2015 – 2016 5. MA/M.Sc. Admission Committee, 2016 – 2018, 2018-2019. 6. Member of Selection committee for admission to Ph.D. course work, 2016 7. Teacher coordinator, central placement cell, 2014-2015, 2017-2018 8. Deputy Superintendent for entrance exam. 2014, 2015 9. Course Coordinator of PhD course work, 2014 10. Member of Board of research studies, 2014 – 2018 11. Member of Admission advisory committee, 2013 – 2014, 2015 – 2016, 2016-2017 12. Member of departmental Anti Ragging Committee and Squad, 2012 – 2015; 2016-2018 13. Member of departmental research committee, 2012 – 2015, 2015 – 2016, 2016-2018 14. Member of departmental courses committee/staff council, 2012 –2015; 2016 - 2018 15. Member of departmental purchase committee, 2012-2015; 2016 – 2017, 2017-2018 16. Student’s staff advisor for the departmental recruitment drive, DES, 2012 17. Paper setter of All India based University Fellowship examination (graduate study, 2009). 						

Areas of Interest / Specialization
<p>Broad area of interest: Environmental Pollution and Health</p> <p>I. Inventory preparation of pollutants and their impacts on Human Health: Indoor and Outdoor pollutants</p> <p>II. Tropospheric Ozone pollution monitoring and bio-mapping of other green house gases for understanding global warming concept –special highlights to the topic of Carbon Sequestration & Carbon mapping.</p> <p>III. Impact of heavy metal and pesticide toxicity on the biomagnification/bioaccumulation process of aquatic food chain.</p>
Subjects Taught
<p>A) Currently teaching</p> <p>M.A/ M.Sc integrated Programme</p> <p>Paper I- Introduction to Environmental Sciences (Core)</p> <p>Paper VI – Environmental Pollution and Health (Core), * Coordinator</p> <p>Paper VII – Urban ecosystems (Core), * Coordinator</p> <p>Paper IX – Atmosphere and Climate Change (M.Sc. elective)(Theory & Practical) * Coordinator</p> <p>Paper XIII – Ecotoxicology and Environmental Health (M.Sc. elective)(Theory & Practical)</p> <p>Paper XV – Environmental Chemistry (M.Sc. elective) (Theory & Practical) * Coordinator</p> <p>GLG 403 - Interdisciplinary paper with department of Geology (*Coordinator) (Theory & Practical) 2013</p> <p>(B) Past Teaching activities</p> <p>(a) Undergraduate:</p> <p>Visiting faculty (at Saheed Rajguru College of Applied Sciences for Women) in B.Tech. programme – paper ‘Ecology’ (2004).</p> <p>(b) Post-graduate:</p> <p>(i) Taught in the interdisciplinary M. Phil programme at School of Env Studies (2004-2005; 2006-2007)</p> <p>Paper I - Techniques and Methodology course</p> <p>Paper II - Restoration Ecology</p> <p>(ii) M.Sc Environmental Biology course (2006- 2011)</p> <ul style="list-style-type: none"> • Course III – Environmental Physiology and Behavioral Science or EVB 205 (Theory & Practical) • Course VI –Environmental Toxicology and Impact Assessment (Theory & Practical) • EVB 102 : Environmental Chemistry and Climate (Theory and Practical)(convener) <p>(iii) Taught in M.Sc. Environmental biology programme at Dept. of Environmental Biology (2004-2006)</p> <p>Course II – Cell Biology and Genetics (Theory)</p> <p>Course VIII– Biotechnology in Resource enhancement and Ecosystem Redevelopment.</p> <p>(iv) Taught in integrated MA/M.Sc. programme at School of Environmental Studies. (2005-2007)</p> <p>Paper 1 - Introduction to Environmental Science (Core)</p> <p>Paper VIII – Natural Resources: their conservation and management (Core)</p> <p>Paper IX - Atmosphere and Global Climate Change (M.Sc. elective)</p>
Research Guidance
<p><i>List against each head (If applicable)</i></p> <ol style="list-style-type: none"> 1. Supervision of awarded Doctoral Thesis: 4(Four) 2. Supervision of Doctoral Thesis, under progress: 2 (Two) Submitted, 4(Four)- Under Progress 3. Supervision of awarded M.Phil dissertations :3 (Three) 4. Supervision of M.Sc dissertation: 32 (Thirty Two) 5. Supervision of MD Dissertation: 1(One) 6. Supervision of M.Tech Dissertation: 1(One)
Publications Profile

A) Books/Monographs (Authored-one chapter)

1. Abhinav Garg, Priyanka Sharma, Gufran Beig and **Chirashree Ghosh, 2018**, Temporal Mount in Air Pollutants Allied with Religious Fiesta: Diwali, Festival of Lights, Emerging Issues In Ecology And Environmental Science, Springer (**Accepted**)
2. Guncha Sharma and **Chirashree Ghosh, 2018**, Microplastic an unsafe pathway from Aquatic Environment to Health: A Review, Emerging Issues in Ecology and Environmental Science, Springer (**Accepted**)
3. Pallavi Saxena and **Chirashree Ghosh, 2018**, Establishing correlation between abiotic stress and Isoprene emission of selected plant species. Emerging Issues in Ecology and Environmental Science, Springer (**Accepted**)
4. Pallavi Saxena and **Chirashree Ghosh, 2017**, Ranking of BTEX with respect to Ozone Formation by Development of Ozone Reactivity Scale. Paradigms in Pollution Prevention (Eds. Tanu Jindal), **Springer-Nature** 49-60 (Chapter 4)(ISBN No 978-3-319-58414-0)
5. Nautiyal, A., Mallick, D.K., Shekhar, A., Sharma, P., **Ghosh, C.**, Sharma, P., Sunny, N., Shaw, P., Sharma, A., Sharma, A., & Ghosh, T. (2017). Significance of Avenue trees As an Indicator and Scavengers of Air Pollution in Metropolitan Cities, **Book Age Publications. (ISBN no. 978-93-83281-65-7)**
6. Mallick, D.K., Nautiyal, A., Shekhar, A., Sharma, P., **Ghosh, C.**, Sangraj., Negi, S., & Kumar, V. (2017). Higher Plant as Remediator of Urban Air Quality Delhi, **Book Age Publications. (ISBN no. 978-93-83281-65-7)**
7. Shailender Kumar and **Chirashree Ghosh.** 2016. Book Review: Toxic Effects of Mercury. Frontiers in Environmental Science. doi: 10.3389/fenvs.2016.00042 (**ISSN 2296-665x**)
8. **Chirashree Ghosh** and Namrata Pathak , 2014. "Rain water harvesting where does Delhi stand?" published in Society Politics and Climate Change, An ICCR Publication, ISBN: 978-81-924836-2-7
9. **Chirashree Ghosh** and Govind Singh Bajwa, 2012, "Efforts to combat the challenges of a changing climate and understanding people's perception on climate change in urban India.", Institute of Science and technology (IST) Journal on Business and Technology: ICWSET Issue Vol 5. No.1, ISSN: 2070-4135: 78-85.
10. Govind Singh, **Chirashree Ghosh**, Mihir Deb, 2012, "Urban Ecotourism for Promoting Stakeholder Participation in Urban Landscape Transformation" published in Landscape Fragmentation and Restoration Researches in India, Editor Dr. Prafulla Soni and Dr. Lal Singh; Lap Lambert Academic Publishing.

(B) Research papers published in Refereed/Peer Reviewed Journals

1. Priyanka Sharma, Reena Jain and **Chirashree Ghosh, 2018**, Application of Green Nanoparticle in Dye Degradation (Accepted)
2. Balyan P, **Ghosh C**, Sharma AK, Banerjee BD. Health effects of air pollution among residents of Delhi: a systematic review. Int J Health Sci Res. 2018; 8(1):273-282
3. Pallavi Saxena, **Chirashree Ghosh** "A Sustainable Way to Mitigate Ozone Pollution by Reducing Biogenic Vocs Through Landscape Management Programme", International Journal of Engineering Trends and Technology (IJETT), V56(2),87-91 February 2018. ISSN:2231-5381.
4. Abhinav Garg, Priyanka Sharma and **Chirashree Ghosh**, Time Series Analysis of Particulate Matter (PM10) in Delhi, International Journal of Latest Engineering and Management Research, Volume 03 - Issue 02, February 2018, PP. 04-10
5. Palak Balyan, **Chirashree Ghosh**, Shukla Das and B.D. Banerjee. 2017. Spatial Variation of Biogenic Aerosols at Different Land Use Configurations in Urban Delhi. International Journal of Applied Environmental Sciences, 12(5), 731-744.
6. Govind Singh, Mihir Deb & **Chirashree Ghosh .2016**. Urban Metabolism of river Yamuna in the national capital territory of delhi, India, Int. jr. of Adv. Res., 4 (8), 1240- 1248
7. Priyanka Sharma, Reena Jain & **Chirashree Ghosh. 2016**. Role of Ascorbic acid in imparting

tolerance to plants against oxidizing pollutants, Int. Journal of scientific and technological research, vol.5(8)

8. Shailender Kumar and **Chirashree Ghosh**. 2016. Book Review: Toxic Effects of Mercury. *Frontiers in Environmental Science*. doi: 10.3389/fenvs.2016.00042
9. Pallavi saxena and **Chirashree Ghosh**, 2015, Seasonal Variation of Isoprene emissions from tropical road side plant species and their possible role in deteriorating air quality. *Environmental Skeptics and Critics*. Vol 4(2): 67-80.
10. Pallavi Saxena and **Chirashree Ghosh**. 2015. A Sustainable Approach towards Minimizing Atmospheric Benzene by the Use of Plants. *International Journal of Agriculture and Crop Sciences*, 8 (3), 495-502.
11. Abhinav Garg, Pallavi Saxena and **Chirashree Ghosh**, 2015, Evaluation of Tolerance and Sensitivity of Selected Plant Species with Special Reference To Gasoline Exhaust Pollution, *International Journal of Scientific & Technology Research*, Volume 4, Issue 02, 199-207, ISSN 2277-8616
12. Priyanka Sharma, Shailender Kumar, Abhinav Garg and **Chirashree Ghosh**, 2015, Analyzing the effect of atmospheric trace elements on selected plant species. *Environmental Earth Sciences*, Springer. Volume 74, Issue 12, pp 7793–7800.
13. Pallavi saxena and **Chirashree Ghosh**, 2013, Ornamental plants as sink and bioindicators, *Environmental Technology*, online publication, May 2013, Taylor and Francis. 34: 3059-3067.
14. Sunita Kumari, Girija Jayaraman and **Chirashree Ghosh**, 2013, Analysis of long term ozone trend over Delhi and its meteorological adjustment, *International Journal of Environmental Science and Technology*, Springer publication Volume 10, Issue 6, pp 1325–1336
15. **Chirashree Ghosh** and Govind Singh Bajwa 2012, Efforts to combat the challenges of changing Climate and understanding people's perception on climate change in India, *Institute of Science and technology (IST) Journal on Business and Technology: ICWSET issue Vol 5*. No.1 ISSN: 2070-4135: 78-85.
16. Pallavi sxena and **Chirashree Ghosh**, 2012, Status of air pollutants after implementation of CNG in Delhi, *Current world environment*, International Research Journal of Environmental Science, Vol. 7 (1), 109-115.
17. Samraj Sahay and **Chirashree Ghosh**, 2012, Monitoring variation in greenhouse gases concentration in urban environment of Delhi, *Environment Monitoring Assessment*, published online 24th feb, 2012, Springer Publ. 185(1):123-42.
18. Rashmi Kant and **Chirashree Ghosh**, 2012, Asymmetric variation in soil Carbon Emission in sub tropics, *Atmospheric and Climate Sciences*, Scientific Research, volume 2, 101-106.

(C) Research papers published in Academic Journals other than Refereed/Peer Reviewed Journals

1. Govind Singh, Mihir Deb and **Chirashree Ghosh**, 2018. Delimiting the Boundary of Delhi for Effective Urban Political Ecology Investigations. *Journal of Innovation for Inclusive Development*, 3 (1), 31-39. ISSN: 2456-4478 (February, 2018)
2. **C.Ghosh** and P.Sharma, 2013, Air pollution Tolerance Index, A solution to air pollution, *Urban Nature*, vol 1, 15-17
3. **Chirashree Ghosh** and Govind singh Bajwa, 2012. "Urban sustainability in a changing climate" *Geography and you (GnY)*, Vol. 12, Issue 72, Pg. 13-15
4. Pallavi Saxena and **Chirashree Ghosh**, 2012, A Review of Assessment of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) in Urban Atmosphere of Delhi; *International Journal of Physical Sciences*, Volume 7(6), pp 850-860; Academic Journal.

(D) Research papers Published in Peer Reviewed Conferences (Full Paper)

1. Shailender Kumar, Swati Tailor and **Chirashree Ghosh**. 2016. Assessing water quality for layman understanding: Water Quality Index (WQI). Proceedings of National Seminar on Water and Air Quality in Urban Ecosystem, held on March 22, 2016 at Shivaji College, Delhi

University, Delhi, pp 14 - 17.

2. Abhinav Garg, Pritiva Bharamchari & **Chirashree Ghosh**. 2016. Mapping of Particulate Matter as a Criteria Pollutant in Urban Delhi, Proceedings of National Seminar on Water and Air Quality in Urban Ecosystem, held on March 22, 2016 at Shivaji College, Delhi University, Delhi pp 41 - 45.

- **Conference Organization/ Presentations (Abstract) (in the last three years)**

1. Palak Balyan, Akshay Shankar, Arun K. Yadav & **Chirashree Ghosh**. Effect of Micro-environment on Bio-aerosol Count. Poster presented at Rajasthan science congress Conference on Environmental Pollutants and climate change on 13th October, 2017 at Biotechnology center, Amity University, Jaipur, Rajasthan.
2. Arun K. Yadav & **Chirashree Ghosh**. A review on Indoor air pollution and its associated health risk. Poster presented at Rajasthan science congress Conference on Environmental Pollutants and climate change on 13th October, 2017 at Biotechnology center, Amity University, Jaipur, Rajasthan.
3. Abhinav Garg and **Chirashree Ghosh**, "Assessment of Respirable Particulate Matter (PM2.5) in and Around Residential Area of University of Delhi" at National Workshop on Celebrating Earth Day: A Step Towards Nurturing Nature, organized by School of Engineering, GD Goenka University (GDGU), Gurgaon and National Environmental Science Academy (NESAC), Delhi, April 30, 2017. ADD classifying national and International

A. International

1. Akshay Shankar, Arun Yadav, Palak Balyan, Shuka Das, **Chirashree Ghosh**. 2017. Dynamics of Bio Allergens Exposure in Urban Indoor. Conference Proceedings: International Conference on Advances in Plant and Microbial Biotechnology (PMB-2017); IIIT, Noida: February 2-4, 2017.
2. Shailender kumar and **Chirashree Ghosh**, Spatial variation of potentially toxic elements (PTEs) at upper stretch of River Yamuna in Delhi in International Conference on New Insights & Multidisciplinary Approaches in Toxicological Studies" as 36th Annual Conference of Society of Toxicology (India) 2016 on August 3-5, 2016, organised by Amity University, Noida, Uttar Pradesh.
3. Guncha Sharma and **Chirashree Ghosh**, Microplastic: unsafe pathway from environment to health in International Conference on New Insights & Multidisciplinary Approaches in Toxicological Studies" as 36th Annual Conference of Society of Toxicology (India) 2016 on August 3-5, 2016, organised by Amity University, Noida, Uttar Pradesh.
4. **Organised Session**: Title: Urban air quality: Climate change, health and e-resilience at the 13th international conference on the Atmospheric Sciences and Application to Air Quality (ASAAQ), held from **11 to 13 November, 2015** at Kobe, Japan.
5. Priyanka Sharma and **Chirashree Ghosh**, Plants As A Tool For Remediating Atmospheric Particulate Matter And Trace Elements. Presented at at the 13th international conference on the Atmospheric Sciences and Application to Air Quality (ASAAQ), held from **11 to 13 November, 2015** at Kobe, Japan.
6. Abhinav Garg and **Chirashree Ghosh**, Analysing the concentration of Criteria pollutant in the national capital of India: Delhi. Presented at at the 13th international conference on the Atmospheric Sciences and Application to Air Quality (ASAAQ), held from **11 to 13 November, 2015** at Kobe, Japan.
7. Palak Baliyan and **Chirashree Ghosh**, Trend of Biogenic aerosols and its associated health effects in capital city of India. Presented at at the 13th international conference on the Atmospheric Sciences and Application to Air Quality (ASAAQ), held from **11 to 13 November, 2015** at Kobe, Japan.

B. National

1. Palak Balyan, Akshay Shankar, Arun K. Yadav & **Chirashree Ghosh**. Effect of Micro-environment

on Bio-aerosol Count. Poster presented at Rajasthan science congress conference on Environmental Pollutants and Climate change on 13th October, **2017** at Biotechnological center, Amity University, Jaipur, Rajasthan.

2. Abhinav Garg and **Chirashree Ghosh**, “Assessment of Respirable Particulate Matter (PM_{2.5}) In and Around Residential Area of University Of Delhi” abstract published in the Workshop on “Celebrating Earth Day: A Step towards Nurturing Nature” at GD Goenka University, Sohna Gurgaon Road, Sohna, Haryana-122103 in association with National Environmental Science Academy (NESA), 28th April, **2017**.
3. Palak Balyan and **Chirashree Ghosh**. **2017**. Comparison of Bioaerosol Sampling Methods in Indoor Built-Up Environment. Poster presented at National Conference on Environmental Pollutants: Impact Assessment and Remediation on 29th March, 2017 at School of Environmental Sciences, Jawaharlal Nehru University, Delhi.
4. Priyanka Sharma and **Chirashree Ghosh**. **2017**. Urban Vegetation Combating Challenges of Increasing Particulate Matter. Oral Presentation at National Conference on Environmental Pollutants: Impact Assessment and Remediation on 29th March, 2017 at School of Environmental Sciences, Jawaharlal Nehru University, Delhi.
5. Guncha Sharma and **Chirashree Ghosh**. **2017**. Microplastic: Invisible Journey from Environment to Food Chain. Poster presented at National Conference on Environmental Pollutants: Impact Assessment and Remediation on 29th March, 2017 at School of Environmental Sciences, Jawaharlal Nehru University, Delhi.
6. Palak Balyan, **Chirashree Ghosh**, B. D Banerjee & Shukl Das. **2017**. Assessment of bioaerosols and associated health effect in diverse built-up settings. Oral Presentatiobn in the national Conference to be held in AIIMS Jodhpur.
7. Guncha Sharma and Dr. **Chirashree Ghosh**, Micro plastic a risk to our health & environment in National seminar on the “Role of Analytical Science in Sustainable Developedent (RASSD 2016)” held from 4 to 5 March **2016** at Hansraj College, University of Delhi.
8. Shailender kumar, Shoobhangi tyagi, & **Chirashree Ghosh**. “Heavy metal Pollution Index” an useful tool for the assessment of metal toxicity in the Urban-Stretch of River Yamuna. Presented in “National Conference on Combating Industrial Pollution for Sustainable Environment – A Fusion of Industrial and Scientific Efforts (CIPSE-2016)” held from 22 to 23 September, **2016** at Gargi college, University of Delhi.
9. Guncha Sharma and **Chirashree Ghosh**, Microplastic: a source of toxic chemical leaching in environment. Presented in “National Conference on Combating Industrial Pollution for Sustainable Environment – A Fusion of Industrial and Scientific Efforts (CIPSE-2016)” held from 22 to 23 September, **2016** at Gargi college, University of Delhi.
10. Pallavi saxena and **Chirashree Ghosh**. **2014**. Establishing correlation between Abiotic Stress and Isoprene emission of selected plant species. Presented at National Conference on ‘Earth and Environment: Pollution and prevention’ January 28 – 30, by Amity University, Noida.
11. Priyanka Sharma, Shailender kumar, Abhinav garg and **Chirashree Ghosh**. **2014**. Analyzing the effects of atmospheric trace elements on selected plant species. Presented at National Conference on ‘Earth and Environment: Pollution and prevention’ January 28 – 30, by Amity University, Noida.
12. Abhinav Garg and **Chirashree Ghosh**. **2014**. Temporal mount in air pollutants allied with religious fiesta : Diwali , Festival of lights . Presented at National Conference on ‘Earth and Environment: Pollution and prevention’ January 28 – 30, by Amity University, Noida.

• **Participation As Key Note Speaker Or Resource Person in the Last three Years**

a) **INTERNATIONAL**

1. **ChirashreeGhosh**, 24th -25th April, 2018- **International conference on 21st century India:**

Interrogating social, Economic, Political and Environmental Process”Organized by B.A. (Prog.) Society at Satyawati College (Eve), DU, Delhi.

2. **Chirashree Ghosh**, 5th -7th October, 2016- **International brain storming meeting on “Air quality & climate impacts”**organized by IMD & FMO along with WMO n WHO at Delhi.
3. **Chirashree Ghosh**. 11-13 November, 2015- 13th international conference on the Atmospheric Sciences and Application to Air Quality (ASAAQ) at **Kobe, Japan on Urban air quality: Climate change, health and e-resilience- participated as a convenor of session 10.**
4. **Chirashree Ghosh**, June 3, 2015 – on Environment Day at AIESTM, Amity Institute of Environmental Sciences, **“Health Risk of Air Pollution: What we know about the problem”**.
5. **Chirashree Ghosh**, 2014 – Guest of honor and main speaker of 4th International conference on **“Innovative Entrepreneurship to minimize carbon footprints”** held in Department of business administration, Maharaja Surajmal Institute, Delhi, 19th April, 2014
6. **Chirashree Ghosh**, January 28, 2014 – at AIESTM, Amity Institute of Environmental Sciences, **“Earth and environment: Pollution and prevention”**.

b) NATIONAL

1. Delivered invited lecture on “ Earth day celebration” on 20th April, 2018, . Organized by AISTEM Amity university Delhi
2. Delivered invited lecture and guest of honour on “Air Quality & campus sustainability” on 11th April, 2018 in “Sanjeevani” botanical festival valedictory function”. Organized by Deshbandhu College, DU, Delhi.
3. Delivered invited lecture on “Indoor Air Quality & Urban Health” on **March 20th, 2018** in “Scintillation-Annual Inter College Science Festival”. Organized by Gargi College, DU, Delhi.
4. Delivered invited lecture on “Smart City Planning to Combat Urban Climate Change” on **January 30th, 2018** at one-day National Seminar on Environmental, Pollution and Climate Change (EPCC, 2018), Gujarat ecology commission & ISTER., Vallabh Vidya Nagar, Gujrat.
5. Delivered invited lecture on “Building a Study for Tomorrow: Smart Cities” on **November 3rd, 2017** at Conference Hall, Delhi. Organized by Hindu College, DU.
6. Delivered invited lecture on “Indoor Air Quality & Urban Health” on **October 10th, 2017** in I.P. University, Delhi.
7. Delivered invited lecture on “Caring for all life under the sun-celebrating success of montreal protocol” on **September 16th, 2017** on International Ozone Day. Organized by Malaviya National Institute of Technology, Jaipur.
8. Delivered invited lecture on “World Environmental Day” on **June 17th, 2017** at Conference Hall, University Guest House, DU, Delhi. Organized by Pattnaik India Foundation.
9. **Chirashree Ghosh**, June 14th, 2017, “Climate change and Disaster management” at **CPDHE, DU, Delhi**
10. Delivered Invited Lecture on **“Carbon sustainability index calculation”** on,7th June, 2017 at **Daulat ram College, University of Delhi**
11. Delivered Invited Lecture on **“Environmental Pollution”** on 24th January, 2017 at **Lady Sri Ram college, University of Delhi.**
12. Delivered Invited lecture in Symposium “Caring water resources in changing urban climate of India- Delhi as a case study” on January 5, 2017, , at **104th Indian Science Congress, SV University, Tirupati.**
13. Delivered Invited Lecture on 17th Novembar, 2016 **“Invitation for India and sustainability standards:International dialogue and conferences 2016 at India Habitat Centre, Delhi**
14. Delivered Invited Lecture on **“Combating Industrial pollution for sustainable environment- A fusion of Industrial and scientific efforts”** on 22nd Sept., 2016 at Siver jubilee conf. of Dept. of Chemistry at Gargi College, University of Delhi.

15. Delivered Invited Lecture on “**Air Pollution and Health**” on 10th April, **2016** at 20th refresher Course in Environmental Studies, at **academic staff college** in JNU.
16. Delivered invited lecture under the theme “**Air pollution and Health: Issues, Challenges and Policy**”, on March 19, **2016**, at Daulat ram College, University of Delhi.
17. Delivered Invited lecture in Symposium “Assessment and Mitigation of air quality in major cities of India in terms of inorganic and organic pollutants” on January 5, **2016**, under the topic: **Health risk of air pollution: what we know about the problem**, at 103rd Indian Science Congress, University of Mysore.
18. Delivered lecture as a resource person on “**Air pollution and Health**” on October 30, **2016**, in CPDHE, Refresher course at University of Delhi, Delhi
19. **Chirashree Ghosh**, November 26, **2014**, “**Environmental Pollution**” at CPDHE, DU, Delhi.
20. **Chirashree Ghosh**, November 24, **2014**, “**Introduction to Environmental Studies**” at CPDHE, DU, Delhi
21. **Chirashree Ghosh**, September 9, **2014**- “**Physics of Noise and impact on human**” at CPCB head quarter.
22. **Chirashree Ghosh**, **2014** - “**Emerging challenges in Urban sustainability**” in 19th refresher course in Environmental Science at Academic staff college, Jawahar lal Nehru University, 17th February, 2014
23. **Chirashree Ghosh**, **2014** “**Delhi city profile: Climate and Air Pollution Resilience**” National conference on “Earth and Environment: Pollution and Prevention” – Jan, 28-30,2014, Amity University, Noida
24. **Chirashree Ghosh**, January 20, **2014**, “**Monitoring of PM 2.5 and other notified air pollutants as per revised NAAQS**” at CSIR-NEERI, Delhi zonal office

Research Projects (Major Grants/Research Collaboration)

1. Monitoring Indoor Air Pollution (IAP) in Delhi University Area and accessing its Human Health Impacts, Ministry of Earth Sciences (**MoES**), **2016-2019 (PI)**
2. Spatio-Temporal Epidemiology of Chronic Respiratory Illnesses in Urban Indian Settlements (STEPCRUISE), Ministry of Health & Family Affairs **2015- 2018 (CO-PI)**
3. Impact of Environmental Bioaerosol Pollution on Human Health: A “case-control study” for Exacerbation of COPD in North Indian Population, Ministry of Environment & Forests (MoEF), **2015-18(PI)**
4. Collaborative Project coordinator of System Of Air Quality Forecasting And Research (Safar) programme of IITM, Pune; sponsored by Ministry of Earth Sciences, Govt. of India, **2010-till now.(project coordinator)**.
5. Inventorization of the greenhouse gases: sources and sinks in Delhi sponsored by Department of Environment, Govt. of Delhi, **2008-2009 (PI)**.
6. Spatial distribution of PTE and other pollutant anions in the ground water in varied urban environments of NCT, Delhi sponsored by Department of Environment, Govt. of Delhi, **2008-2009 (PI)**.
7. Development advanced mathematical techniques for modeling in aquatic ecology sponsored by Department of Science and Technology, Govt. of India collaborative project at IIT Delhi, Delhi, **2007-2009 (Co-PI)**.
8. Bio-monitoring of ozone pollution in north Indian climate sponsored by Department of Science and Technology, Govt. of India, **2004-2008 (PI)**
9. Modeling the effect of environment factors on the water quality and aquaculture production of fresh water ponds sponsored by Department of Biotechnology, Govt. of India, **2001-- 2004 (Co-PI)**.

Awards and Distinctions
<ul style="list-style-type: none"> • DST Young Scientist Fellowship (under SERC scheme) 2004 • DAAD Fellowship 2000 • DST Young Scientist Fellowship (under SYS Scheme) 1999 • Post Doc fellowship from University of Wageningen, The Netherlands, 1993 & 1994 • University Merit Scholarship study for 3 years 1981-1984
Association With Professional Bodies
<p>1. Committees and Boards</p> <ol style="list-style-type: none"> i. Expert member of Area Advisory Board Dept. of Env. Studies, Amity Univ. ii. Expert Panel in Environmental Studies for the selection committee of Chinese government Scholarship, 2017-2018. iii. Expert Panel in Environmental Studies for the selection committee of Israel government Scholarship, 2016-2017. iv. External Examiner for the M.Sc. practical exam in Department of Botany at Visva Bharati University. v. Expert Member of Board of Studies in Gautam Buddha University, 2015. vi. Expert member of DRC and Courses Committee at AIETSM, Amity Univ., 2014 vii. Member of selection committee of National museum of National history, FICCI, Museum building, Tansen marg, New Delhi, 2013. viii. Member of the Recruitment and Assessment committee (RAC) of CSIR- NEERI, 2012- 2015; 2015-2016. ix. Member of Committee for preparation of RFP documentation for ‘ Aerosol monitoring overtime’, IMD, New Delhi.2012-2014 x. Expert member as stakeholder in An Obama-Singh 21st Century Knowledge Initiative (OSI), at Department of Civil Engineering.IIT, Delhi, on 4th March, 2013. xi. Expert panel member of first project/Award Scrutinizing Committee under “Science Promotion Scheme (2009) of Delhi Council of Science Technology, Dept. of Environment, Govt. of NCT of Delhi. <p>3. Memberships</p> <ol style="list-style-type: none"> i. Referee of the journals a) International journal of Environmental Protection, b) Journal of hazardous material ii. Life member of Third World Women in Science, Trieste, Italy. iii. Life member of World Water Sanitation Programme, Geneva, Switzerland. iv. Life member of National Environmental Science Academy, Delhi, India. v. Member of National Institute of Ecology, Delhi, India.
Other Activities
<p><u>Outreach activities</u></p> <ol style="list-style-type: none"> 1. Dr. Chirashree Ghosh, as a Resource Person. “Indoor air pollution and human health”, at Indraprastha college for women in collaboration with Department of Environmental Studies, University of Delhi. September 22, 2017. Total attendees: 40 Dr. Chirashree Ghosh, as a Resource Person. “Emerging pollution issues; It’s associated health risks in urban environment”, at Miranda college in collaboration with Department of Environmental Studies, University of Delhi. August 18, 2017. Total attendees: 35 2. Organizing Secretary, Organized workshop, “Environmental pollution and Health in urban

ecosystem”, at Department of Environmental Studies in collaboration with Shivaji College, June 23, 2016.

3. Mentor in Innovation Project of Deshbandhu College “**Unbeatable Air Pollution in Delhi: Trees for Rescue - A comparative study of different plant species to combat rising pollution in Delhi**”, has been approved by University of Delhi under Innovation project scheme 2015-16
4. Feature Article, C.Ghosh and P.Sharma (2013), **Air pollution Tolerance Index, A solution to air pollution**, Urban Nature, Vol. 1, 15-17.
5. Database generation for University Engineering dept., University of Delhi (2012) and hence, Report prepared for “**Testing of surface water quality and ground quality for the development of infrastructure facility for Institutional building**”.
6. Collaborative partner of ‘**SAFAR**’ project with IITM, Pune for air quality forecasting during Commonwealth Games (2-14, Oct., 2010) at sports complex of Delhi University.
7. **Carbon Foot Print Map Preparation:** As an outcome of the research project, we have for the first time came out with the Carbon foot print of Delhi, which has been taken to Copenhagen summit by state chief secretary - Project sponsored by DOE, Delhi Govt.(Dec., 2009).