

FNU ANSHIKA

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[in](#) [Anshika.](#)

EDUCATION

- Ph.D., University of Houston, Houston, Texas** *2022-Present*
Department of Earth and Atmospheric sciences. **CGPA: 3.89/4**
- M.Sc., J.C.Bose University of Science and Technology, YMCA, Haryana, India** *2017-2019*
Department of Environmental Sciences **CGPA: 9.65/10**
- B.Sc., Hansraj College, University of Delhi, India** *2014-2017*
Life Sciences **Percentage: 83.54%**

PUBLICATIONS

1. **Anshika**, Kunchala, R.K., Attada, R., Vellore R.K., Soni V.K., Mohan, M., Chilukoti, N., On the understanding of surface ozone variability, its precursors and their associations with atmospheric conditions over the Delhi region, *Atmospheric Research*(2021)
2. Sharma, S., Zhang, M., **Anshika**, Gao, J., Zhang, H., Kota, S.R., Effect of restricted emissions during COVID-19 on air quality in India, *Science of The Total Environment*(2020)

RESEARCH EXPERIENCE

Development of Emission Inventory for city of Punjab in India

Advisor: Dr. Sri Harsha Kota

Feb 2020-Aug 2020

Department of Civil Engineering, Indian Institute of Technology. Delhi, India

- The project involved the development of emission inventory for Punjab(7 cities). It included work on the data analysis for the years 2018 and 2019 (met and pollutants data). Calculation of emission from various sources and their GIS mapping.

Development of National Hazard Profile for the state of Kuwait and identification of existing data and gaps for exposure and vulnerability assessment.

Advisor: Prof. Manju Mathur

Oct 2019-Nov 2019

Center for Atmospheric Sciences, Indian Institute of Technology. Delhi, India

- The project involved the data analysis of the 13 years data of 21 pollutants for 6 stations in Kuwait region as a project assistant for 3 months on temporary basis.

Solid waste management using Vermicomposting

Advisor: Dr. Renuka Gupta

July 2018–Dec 2018

J.C.Bose University of Science and Technology, YMCA, Haryana, India

- The project involved conduction of survey of about 100 houses and then household waste from various houses was collected and vermicompost was conducted.

Manual and automatic analysis of Benzene and Benzo-a-pyrene in city of Delhi in India

Advisor: Scientist C- Abhijit Pathak

Jun 2018–Jul 2018

Central Pollution Control Board of India, India

- To study the variation in concentration of Benzene at selected sites in Delhi, India and also the manual analysis of Benzo-a-pyrene.

DBT Star college scheme project- Assessment of water quality of River Yamuna at selected sites in Delhi

Advisor: Dr. Monika Koul

Jan 2017–Jun 2017

Central Pollution Control Board of India, India

- Qualitative analysis of water from River Yamuna at selected sites in Delhi and suggestions were given to save the river water from further degradation.

AWARDS AND MEMBERSHIPS

- Recipient of VICE CHANCELLOR GOLD MEDAL (BATCH 2017-2019) Department Topper
 - Given for excellence Academic as well as extra co-curricular activities in all M.Sc. (Science) courses.
- Department Topper
 - Department topper for the academic session 2017-2019
- Semester Topper merit scholarship
 - Awarded: December 2017, December 2018 and June 2019
- Dean Merit Certificate
 - Awarded: December 2017, December 2018 and June 2019
- Scientific Poster presentation Inter College Competition (2 posters)
 - Topics were “ Ahmednagar : Water scarce and water surplus” and “Pepsi VS Coca Cola : A war for water”. – Awarded : 1st and 3rd Prize, April 2018
- MSME Conclave
 - Awarded: 2nd Prize, March 2018
- Scientific Poster Presentation Competition: “Air pollution in Delhi-NCR”
 - Awarded : 1st Prize, October 2018
- Vasundhara Society- Member (2018-2019)
 - part of Organizing committee for various programmes and competitions
- Padhaku NGO
 - Volunteer and member of the NGO (2015-2016) and taught the underprivileged children and received LOR for the contribution of the Organization.

- Scienza Di Vita Society – Member (2015-2016) (Hansraj College)
- part of Organizing committee for Department Fest

CONFERENCES

- International Conference on “Environmental Challenges and Solutions” -Presenter
Manav Rachna University, Haryana, February 2020
- National Seminar on “Challenges in Climate Change and Sustainable Development” -
Presenter
Sri Venkateswara College, Delhi University, Delhi, April 2019
- International Conference on “Sustainable Initiatives In Water Management” -
Presenter Manav Rachna University, Faridabad, January 2018
- National Conference on “Energy & Sustainability: Sources, Expectations &
Uncertainties” – Presenter (2 papers) - Aggarwal College, Ballabgarh, Haryana,
February 2018
- National Seminar on “Role Of Analytical Sciences In Sustainable Development” by
Indian Society of Analytical Scientists- Delhi Chapter (ISAS-DC) Petrotech Society
of India - Attende
Hansraj College, Delhi University, Delhi, 2017

TEACHING EXPERIENCE

- Teaching Assistant for Climate change, Department of Earth and Atmospheric
Sciences, University of Houston, Texas, U.S.A
 - Took Lab classes and prepared material for climate change lab for 24 students
 - Graded Assignments and active discussions on climate change and its impact.

REFERENCES

- Dr. Bernhard Rappenglueck: Professor, Ph.D. Advisor
 - Department of Earth and Atmospheric Sciences ,University of Houston, Texas, U.S.A
- Dr. Ravi Kumar Kunchala: Assistant professor
 - Department of Environmental Sciences, J.C. Bose University of science and Technology, YMCA, Faridabad
- Dr. Renuka Gupta: Chairperson
 - Department of Environmental Sciences, J.C. Bose University of science and Technology, YMCA, Faridabad