

## Dr. Sushil Kumar Tyagi



### Qualifications:

**M.Sc. (Chemistry), 1981**  
Meerut University (presently CCS), Meerut.  
**Ph.D. (Chemistry)**  
(Studies on PAHs in Air, Delhi) 1993, Meerut University, Meerut.

### Commonwealth Fellowship by British Council, U.K., 1995

10 weeks program on "Environmental Impact Assessment & Auditing Course" at University of Bradford, UK.

**UNEP Invitee Expert** on Asian Brown Cloud Emission Inventory Workshop" at Asian Inst. Of Technology (AIT), Bangkok – 2008.

**Life Time Environment Excellence Award** by IDC Foundation, 2019

### Member of Professional Bodies

IAAPC, IAEM, (NEERI), ISAS (BARC), CPCBAA, IDC Foundation,

**DOB :**  
1<sup>st</sup> February (Meerut, UP)

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CPCB, MoEFCC, GOI, Delhi  
**Residential Address:**  
B31/F3, Rampuri,  
Suryanagar, Ghaziabad-  
201011, UP, India.

**Former Additional Director & Divisional Head (Air Toxic Lab, Quality Assurance Lab , Environmental Training & Laboratory Accreditation Div.), CPCB, (MoEFCC), Govt. of India, Total Experience in Environment Field: >35 years**

**CPCB Joining Date: 24 Nov.1982 and Superannuated: 31.01.2018**

**Professor, Dept. of Chemistry, Faculty of Science, OPJS University, Churu, Rajasthan since 1<sup>st</sup> Feb 2021**

**Total Professional Experience in Environment Pollution with CPCB: >40 years**

### Areas of Work Experience :

#### Areas of Interest:

Air & Water Pollution Monitoring, Assessment & Management, Lab Designing & Operations, QA/QC, Proficiency Testing, Data Review & Validation, Report Preparation. Research & Development Management & Operations Coordination of Network of Continuous Air Quality Monitoring (CAAQMS) & Manual Ambient Air Quality & Emission /CEMs Monitoring, Assessment & Interpretation Comprehensive Industrial Pollution Studies (17 Grossly Polluted Sectors) . EIA Appraisal.

**Specialization & Consultancy Area :** Environmental Lab Designing & Operations & Management, R&D, QA/QC, Methodology Validation & Development, Accreditation of Labs. Surveillance Auditing & Compliance Inspection. Management, Operations & Coordination of Real Time Air Quality Monitoring (CAAQMS) & Manual Ambient Air Quality . Trainings on Environmental Pollution, QA/QC & Accreditation, Handling Natl./Intl. Projects, Bilateral Projects., Designing & Establishing Environment /Air Toxic Lab, Quality Assurance/ PT, Implementation of QCI-NABL & Accreditation of Labs as per ISO/IEC-17025, Surveillance Auditing & Compliance Inspection of Industrial Pollution.

#### Sector Associated With:

Environmental Testing Lab Designing, Operations & Management, Lab Accreditation, Quality Assurance & Environmental Trainings. Monitoring Network(Continuous & manual AQM) Management. Industrial (17 Grossly Sectors) & Urban Environmental Pollution Monitoring & Assessment.

#### Major Contributions & other Relevant information

Coordination of efficient pollution assessment & control programs particularly leading national programs on Lead & Benzene in gasoline, formulation of ambient air standards, laboratory development, R&D particularly development of National methods of sampling & analysis of carcinogens i.e PAHs, BTEX/VOCs in air which later adopted by BIS, Developed & organized Quality Assurance /Proficiency testing in Air in CPCB.

1. Established Air Toxics Lab for testing of Environmental Carcinogens  
2. Development Methods for Air Toxic Pollutant, which were adopted by BIS as  
3. National Method for example 5182 (Part 11 & Part 12) on Air Toxics/HAPs Carcinogens (PAHs, BTX) .

3. Done Appreciable Research Contribution for Phasing out toxic Lead & Phasing out Carcinogenic Benzene from Petrol in India  
4. Phasing out Chlor Alkali Plants creating Mercury Pollution with membrane base technology in India.

**Research Publications :** >100 Research papers & > 50 Reports, Supervised > 100 Dissertation Work of M.Sc., M.Tech., Ph.D. and Supervised 5 Ph.Ds.

**Conferences /Workshops/Webinars:** > 100

Delivered Many Key Note Addresses /Research Papers in Natl. /International Conferences/Workshops as well as Organized Many Natl. International Conferences including 17 since Covid-19.

**Member DRC & PG & Ph.D. Examiner, DTU, Amity University , GGSIPU, IGDTUW etc**  
**Abroad Assignments & Visits:**

UK, USA, Canada, Germany, Sweden, Singapore, Thailand, Indonesia, Switzerland.

