SARLA

syysarla@gmail.com

1. **Work Experience**
   - Senior Research Fellow in environmental science and biomedical division, CSIR-National Physical Laboratory, New Delhi (India).
   - Environment Engineer at Min Mec Consultancy Pvt. Ltd. New Delhi (Indai) with 1.5 five years of experience in the field of conducting & coordinating Environmental Impact Assessments (EIA) studies.

Education:
   - Ph.D. pursuing in Atmospheric Science, CSIR-National Physical Laboratory, New Delhi (India).
   - M.Tech in Energy & Environment Management, Kurukshetra Univerisity Kurukshetra, Haryana, 2013 (India).
   - B.Tech in Biotechnology, Kurukshetra Univerisity Kurukshetra, Haryana, 2011(India).

Awards:
   - UGC-NET-JRF Qualified (June and Dec, 2014)
   - GATE Qualified (2011 and 2013

2. Current Research

   - **Work project 1: Optical and radiative properties of atmospheric particles**

     In this work project the collected aerosol samples were analyzed for their Physico-chemical properties using FE SEM, AFM. These properties were used to calculate optical properties (asymmetry parameter, Qext, SSA) using T-Matrix optical model and further these optical properties were incorporated in the SBDART radiation model for calculation of radiative forcing. The simulated optical and radiative properties are being used in various climate models for various sensitivity tests.

   - **Work project 2: Spectral variation of optical constant of sub micron pure and polluted clay particles**

     In this work, spectral refractive indices are calculated for pure sub micron clay and polluted sub micron clay particles.

     These spectral refractive index are used for the calculation of optical and radiative forcing and assessment of climate change.

3. Membership of Professional Associations:

- Life Member, Institute of Engineers (India), Kolkata (AM -164066-9)
- Active Member of NGO Voice of Environment, Assam

4. Other Training:

- 3 Weeks school on Computational Meteorology organized by Department of Atmospheric Sciences K L University, Vijaywada (fully funded by Science and Engineering Research Board) (India).
- 1 day Workshop on Energy Dispersive X- Ray Fluorescence Spectrometer (EDXRF) and its applications organized by Advanced Instrumentation Research Facility (AIRF), JNU, New Delhi (India).
- Three month project on "Noise level prediction from different sources of Bhor rice mill, Kurukshetra. (India).
- Six month dissertation on " Impact assessment of Kapuria coal mines on air, water and noise level, Min Mec Consultancy, New Delhi (India).
- 8 Weeks Training on Water quality monitoring organised by National Institute of Hydrology, Roorkee,   Uttarakhand (India).
- 1 Week Training Programme on Inter Education and Communication by National Institute of Rural Development, Hyderabad, A.P (India).
- 4 weeks Training Programme on Genome analysis and molecular techniques by NBAGR, Karnal, Haryana (India).

5. Other relevant information:
Knowledge of Language C & C++, Fortran, Familiar with LINUX system
Knowledge of model WRF, Mie Code, T-Matrix, SBDART

6. Languages:

	Speak	**Read**	**Write**
English	Excellent	Excellent	Excellent
Hindi	Excellent	Excellent	Excellent

7. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Sarla

Signature:

Date: 03.03.2020

Full name of authorized representative: Sarla