



# THE GREEN GUIDE FOR EDUCATORS

ENVIRONMENTAL POLLUTION  
AND HUMAN HEALTH



This resource kit has been compiled by the Environment Education Unit, CSE.  
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# **FOREWORD**

## ABOUT THE RESOURCE KIT

The Green Guide for Educators is a CSE-GEN initiative to develop a comprehensive kit aimed at providing credible teaching resources to educators teaching environment-related courses at the undergraduate level. It will be a quarterly offering exclusively for members of CSE's Green Educators' Network (GEN). The kit offers ready-to-use content and flexible pedagogic tools to help students connect scientific concepts with lived realities — encouraging inquiry, discussion, and action. It is not prescriptive but meant to spark ideas, encourage dialogue and support deeper learning on contemporary environmental challenges.



## INTRODUCTION

India faces a wide range of pollution-related challenges: hazardous air quality in its cities; water bodies choked with industrial and domestic waste; degraded soils due to excessive pesticide use; and increasing volumes of unmanaged waste. These issues are not isolated — they intersect with questions of justice, development, health and sustainability. Teaching about pollution, therefore, is not only about explaining its causes and effects but also about enabling students to understand their role as informed citizens who can participate in solutions.

The resource kit draws inspiration from the principles of Education for Sustainable Development (ESD) — an approach that equips learners with the knowledge, skills, values and attitudes they need to make informed decisions. ESD encourages participatory learning, critical thinking and local engagement. This kit reflects that spirit by offering activities that are experiential, inquiry-driven and connected to students' own surroundings.



# COMPONENTS OF THE RESOURCE KIT

This edition of the resource kit is designed as a flexible teaching companion to help college educators bring the theme of pollution and health into the classroom in an engaging and practice-oriented way. It can be adapted to fit into lectures, seminars, workshops or project-based coursework.

Where possible, teachers are encouraged to localise the content — focusing on pollution issues in the college's immediate environment, inviting resource persons from the community, or encouraging students to collect and analyze local data. This approach would not only deepen learning but also build a sense of responsibility and agency among students.

**Resource bank for educators:** This section offers curated readings, reports, articles, and policy briefs from credible sources. These materials provide a background to the theme that teachers can use to design lectures or assign student readings. The resources have been curated in alignment with the UGC guidelines and curriculum framework for environment education (2023).

**Case studies:** A set of case studies is included to illustrate real-world pollution scenarios, with a mix of urban and rural contexts from across India. Each case study is accompanied by guiding questions for classroom discussion and reflection.

**Pedagogic toolkit:** This section offers interactive and experiential teaching strategies designed to engage students in meaningful learning around pollution and health. It includes adaptable classroom activities, prompts for group discussions and suggestions for field and project work.

**Glossary:** A collection of the terms relevant to the theme