

# SENSORS FOR ENVIRONMENTAL MONITORING

IGI Global USA

## Call for Book Authors / Chapters

### Objective

Air, water and soil contaminants have plagued our environment and different ecosystems have reached to a level of saturation and the sink is full with number of contaminants. It has not only created imbalance but has caused health concerns to every individual by one or the other way. A large number of methods were tested by scholars to clean these ecosystems. However, still we are in infancy stage and much more need to be done in this regard. Most of the time the researchers are unaware about the type of pollutants and the damage they cause to these ecosystems. Environmental Sensors will play an important role to identify these pollutants and will help to access the damage caused to these ecosystems. This book will create a large impact to researchers and may engage them to look into the problem more seriously. This will open new ways of research and will definitely make this planet a beautiful place to live in.

### Tentative Contents and Titles (*but not limited to*)

- Environmental Sensors in extreme environments, scope and validity
- Indoor pollution sensors and efficacy
- Noise pollution and the sensors
- Technology of sensors, ways ahead
- Evaluation of an evanescent fiber optic chemical sensor for monitoring aqueous volatile organic compounds.
- chemical sensor arrays using new thin-film materials
- Hyperspectral imaging and multivariate data analysis for biological and biomedical applications.
- Chemiresistor sensor package for real-time detection of volatile organic compounds in soil and groundwater.
- Sensor development: Micro-analytical solutions for water monitoring applications”.
- Detection of soil pollutants by sensors
- Water pollutants and sensors in use
- Air sensors and their capability
- Sensors in the oceans, pollutant identifications and controversies.
- Sensors for Waste Management
- Limnology and the science of Biosensors

The corresponding author(s) are requested to send tentative title, Co-author(s) and affiliation through e-mail within a week. Further, I would request you to make suggestions for the additional themes and name of the authors who may contribute the chapters.

### Schedule of Deadlines

Call for chapters' submission

Sep 10, 2023

1st proposal submission deadline

Oct 22, 2023

2nd proposal submission deadline

Nov 19, 2023

Full chapter submission

Feb 4, 2024

I sincerely appreciate your advice and suggestions.

Kind Regards

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