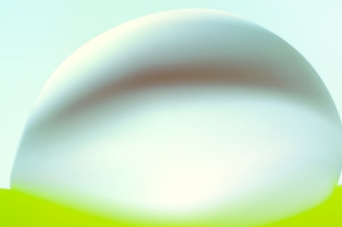


ISSN: 2169-2653 Vol. 1, No. 2, September 2012



Scientific
Research

Open Journal of Air Pollution



ISSN: 2169-2653



<http://www.scirp.org/journal/ojap>

Journal Editorial Board

ISSN: 2169-2653 (Print) ISSN: 2169-2661 (Online)

<http://www.scirp.org/journal/ojap>

Editor-in-Chief

Dr. Amitava Bandyopadhyay University of Calcutta, India

Editorial Board

Dr. Tianfeng Chai National Oceanic and Atmospheric Administration, USA

Dr. Silvano Fares Agricultural Research Council, Italy

Dr. Eva Gallego Polytechnic University of Catalonia, Spain

Dr. Xiaoming Hu University of Oklahoma, USA

Prof. Kuruvilla John University of North Texas, USA

Dr. A. D. Karathanasis University of Kentucky, USA

Dr. P. G. Ranjith Monash University, Australia

Dr. Shafiqur Rehman King Fahd University of Petroleum & Minerals, Saudi Arabia

Dr. Jonathan Thompson Texas Tech University, USA

Dr. Tiziano Tirabassi Consiglio Nazionale delle Ricerche, Italy

Prof. Debi Prasad Tripathy National Institute of Technology, India

Dr. Shiliang Wu Michigan Technological University, USA

Dr. Yung Yau City University of Hong Kong, Hong Kong (China)

Dr. Feng Zhang University of Maryland, USA

TABLE OF CONTENTS

Volume 1 Number 2

September 2012

Light-Absorbing Products Form during the Aqueous Phase Reaction of Phenolic Compounds in the Presence of Nitrate and Nitrite with UV Illumination

H. Tang, J. E. Thompson.....13

Ambient Air Quality Surveillance and Indexing in and around Mining Clusters in Western Kachchh Region, Gujarat, India

B. A. K. Prusty.....22

Analysis of Total Suspended Particulates Pollution along Shanghai-Nanjing Expressway

Y. Zhao, D. Shi.....31

Air Pollutant Emissions from Coal-Fired Power Plants

D. M. Li, Y. Guo, Y. Li, P. G. Ding, Q. Wang, Z. Q. Cao.....37

Studies on Interrelations among SO₂, NO₂ and PM₁₀ Concentrations and Their Predictions in Ambient Air in Kolkata

S. Kar, P. Mukherjee.....42

Micro-Scale Dispersion of Air Pollutants over an Urban Setup in a Coastal Region

S. Madala, A. N. V. Satyanarayana, V. K. Prasad.....51

Open Journal of Air Pollution (OJAP)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Air Pollution* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright©2012 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: ojap@scirp.org

Call for Papers



Open Journal of Air Pollution

ISSN: 2169-2653 (Print) ISSN: 2169-2661 (Online)

<http://www.scirp.org/journal/ojap>

Open Journal of Air Pollution (OJAP) is an openly accessible journal published quarterly. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of air pollution.

Editorial Board

Dr. Tianfeng Chai
Dr. Silvano Fares
Dr. Eva Gallego
Dr. Xiaoming Hu
Prof. Kuruvilla John
Dr. A. D. Karathanasis
Dr. P. G. Ranjith

Dr. Shafiqur Rehman
Dr. Jonathan Thompson
Dr. Tiziano Tirabassi
Prof. Debi Prasad Tripathy
Dr. Shiliang Wu
Dr. Yung Yau
Dr. Feng Zhang

Subject Coverage

All manuscripts must be prepared in English, and are subject to a rigorous peer-review process. Accepted papers will immediately appear online followed by printed in hard copy. The areas of Open Journal of Air Pollution (OJAP) include but are not limited to the following fields:

- Air Pollution Control and Environmental Jurisprudence
- Air Pollution Control System and Engineering
- Air Pollution Meteorology
- Air Quality Modeling
- Ambient Air Quality and Air Pollution Control
- Atmospheric Pollution
- Biodiversity as Influenced by Air Pollution
- Biology and Engineering Related to Air Pollution
- Boundary Layer Meteorology
- Chemical, Physical and Biological Processes of Air Pollution
- Co₂ Capture as Measure of GHG Emission Mitigation
- Ecological Implications of Air Pollution
- Environmental Biology
- Environmental Consumerism
- Environmental Economics
- Environmental Modeling and Bioremediation of Polluted Environments
- Environmental Toxicology and Air Pollution
- Global Warming and Climate Change
- Hydrodynamic Modeling of Gaseous Pollutant Scavenging in Droplets
- Industrial Air Pollution Control: Novel Methods and Case Studies
- Molecular Toxicology
- Novel Environmental Biotechnology as Applied to Air Pollution
- Novel Environmental Engineering Related to Air Pollution
- Novel Methods Used in the Study of Air Pollutants
- Pollution Sources, Transport, Deposition, Accumulation, Acid Precipitation
- Scrubber Modeling

We are also interested in: 1) Short reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book reviews—Comments and critiques.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

<http://www.scirp.org/journal/ojap>

Email: ojap@scirp.org

TABLE OF CONTENTS

Volume 1 Number 2

September 2012

Light-Absorbing Products Form during the Aqueous Phase Reaction of Phenolic Compounds in the Presence of Nitrate and Nitrite with UV Illumination H. Tang, J. E. Thompson.....	13
Ambient Air Quality Surveillance and Indexing in and around Mining Clusters in Western Kachchh Region, Gujarat, India B. A. K. Prusty.....	22
Analysis of Total Suspended Particulates Pollution along Shanghai-Nanjing Expressway Y. Zhao, D. Shi.....	31
Air Pollutant Emissions from Coal-Fired Power Plants D. M. Li, Y. Guo, Y. Li, P. G. Ding, Q. Wang, Z. Q. Cao.....	37
Studies on Interrelations among SO₂, NO₂ and PM₁₀ Concentrations and Their Predictions in Ambient Air in Kolkata S. Kar, P. Mukherjee.....	42
Micro-Scale Dispersion of Air Pollutants over an Urban Setup in a Coastal Region S. Madala, A. N. V. Satyanarayana, V. K. Prasad.....	51