

Contaminants in Agriculture and Environment

Health Risks and Remediation

Volume 1

Editor(s)

Vinod Kumar
Rohitashw Kumar
Jogendra Singh
Pankaj Kumar

2019

AGRO ENVIRON MEDIA



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COVER IMAGE(s) CREDIT

AESA and www.pexels.com

PUBLISHED BY

Agro Environ Media,

Publication Cell

Agriculture and Environmental Science Academy (AESA),

86, Gurubaksh Vihar (East), Kankhal, Haridwar-249408, (Uttarakhand), INDIA

Email: agroenvironmedia.aesa@gmail.com

Website: <https://www.aesacademy.org>

ISBN: 978-93-5321-003-8 (Print)

ISBN: 978-81-942017-0-0 (Online)

DOI: 10.26832/AESA-2019-CAE

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Contaminants in Agriculture and Environment

Health Risks and Remediation

Volume 1

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Preface

Recent advances in chemical applications in the agricultural sector have been contributed to disruptive contamination of crop and environment. Besides the contribution in improving conventional farming, the development of new methods has also contributed to polluting agriculture as well as environments. The deposition of several contaminants in agricultural products, soil, water, air and even into the higher trophic levels of the food chain has disturbed the well-functioning of the earth ecosystem. This book is a forge guide to the students and researchers working in the field of agricultural pollution and seeking to get relevant material to understand the current trends of generation, impacts and remediation of pollutants affecting agricultural systems.

The contents of this book covers the aspects of agricultural contamination through different natural and man made practices. The methods of their mitigation are also included as well. The book specially focuses on heavy metal, pesticide, organic wastes, pest management, agricultural land use, and other contaminants. The harmful effects of such contaminants on birds, pests, fishes, human, plants and other living organisms has been taken as main part of this book. The book provides the collection of most pertinent material about themes to the readers. The book is helpful in understanding the basic concepts of agricultural pollution as well as the sources of pollutants in agriculture system.

In fact, the enhancement of agricultural productivity by various environmental friendly methods and their limitations is also implemented. Furthermore, the book comprises the information about impact of pollutants on growth and productivity of agricultural crops followed by various diseases and impacts of agricultural pollutants on human health as well as to other components of ecosystem. The case studies of some countries showing impacts on its population which is caused by such pollutants. The current status of generation of agricultural wastes and its best utilization by means of environmental friendly approaches is the emergence need in this book.

Lastly, the editors are thankful to the contributors who submitted their precious findings and views related to the book theme and to make it succeeded. We hope that this book will help the readers in its best to convenient the relevant information.

Editors

