

# **EFFECT OF INDUSTRIAL EFFLUENTS ON AGRICULTURE AND ENVIRONMENT**

*Edited by:*

**Dr. Swati Dhakar**

*Assistant Professor (Chemistry)*

*Nathdwara Institute of Biotechnology and Management*

*Nathdwara, Rajsamand*

**Dr. Suraj Sharma**

*Assistant Professor (Chemistry)*

*Nathdwara Institute of Biotechnology and Management*

*Nathdwara, Rajsamand*

**Mrs. Deepak Hada**

*Former Assistant Lecturer*

*Career Point University, Kota*

*Maa Bharat P.G., College, Kota*

**I N S P I R A**<sup>TM</sup>  
Reg. No. SH-481 R- 9-V P-76/2014

JAIPUR • DELHI (INDIA)

Text © Authors, 2023  
Cover Page © Inspira

*This book, or any part thereof must not be reproduced or reprinted in any form, whatsoever, without the written permission of authors except for the purpose of references and review.*

**Published by**

**Inspira**  
Jaipur-302018  
Rajasthan, India

ISBN: 978-93-91932-92-3

Edition: 2023

*All rights reserved. No part of this book may be reproduced in any form without the prior permission in writing from the Publisher.*

Price: Rs. 725/-

*Printed by:*  
*In-house-Digital*  
*Jaipur-302018*

**Disclaimer**

*The author is solely responsible for the accuracy, integrity, and originality of all facts, figures, data, analyses, and interpretations presented in this manuscript. All data used in the study have been collected, processed, and analyzed by the author, and any errors or omissions remain the exclusive responsibility of the author. The views and conclusions expressed herein are those of the author alone and do not necessarily reflect those of any affiliated Editors, institution, funding body, or publisher.*

This is to certify that this edited book entitled  
**"EFFECT OF INDUSTRIAL EFFLUENTS  
ON AGRICULTURE AND ENVIRONMENT"**  
bearing ISBN No. **978-93-91932-92-3** is  
refereed and published after due peer-  
review process.

Thanks



Publisher

## CONTENTS

Chapter	Name of Chapter	Page No.
1	Industrial Effluents and Groundwater Contamination: Case Studies <b>Dr. Mukta Ojha</b>	01-11
2	Environmental Consequences: Air, Water and Biodiversity Degradation <b>Dr. Yasmin Khanam</b>	12-21
3	Human Health Hazards Due to Industrial Effluent Contamination <b>Dr. Manisha Sharma &amp; Dr. Arti Shah</b>	22-29
4	Toxic Heavy Metals in Industrial Wastewater and their Bioaccumulation in Plants <b>Meenakshi Gurjar</b>	30-38
5	Role of Public Awareness, NGOs, and Government Policies in Pollution Control <b>Dr. Pratibha Payal</b>	39-46
6	Effect of Effluents on Crop Growth, Yield and Food Safety <b>Dr. Lokesh Mathur</b>	47-54
7	Sources and Types of Industrial Effluents in India <b>Prof. Bharati Veerwal</b>	55-62
8	Sustainable Waste Management Practices and Green Technologies <b>Dr. Mosmee Meena</b>	63-69
9	Future Perspectives and Recommendations for Sustainable Agriculture and Clean <b>Dr. Preeti Bairwa</b>	70-78
10	Overview of Industrial Effluents and their Composition <b>Dr. Rakhi Methi</b>	79-87

