

# Municipal Solid Waste Management In Asia and the Pacific Islands

## About the book

Solid waste management issues, technologies and challenges are dynamic. More so, in developing and transitory nations in Asia. This book, written by Asian experts in solid waste management, explores the current situation in 13 Asian countries including Pacific Islands. There are not many technical books of this kind, especially dedicated to this region of the world. The 15 chapters form a comprehensive, coherent investigation in municipal solid waste (MSW) management, including, definitions used, generation, collection, transportation, treatment, disposal and 3R activities.

Several case studies from Asian nations are included to exemplify the real situation experienced. Discussions on MSW policy in these countries and their impacts on waste management and minimization (if any) are indeed an eye-opener. Undoubtedly, this book would be a pioneer in revealing the latest situation in Asian region, which includes two of the world's most dynamic nations in the economic growth. It is greatly envisaged to form an excellent source of reference in MSW management in Asia and Pacific Islands. This book will bridge the wide gap in available information between developed and transitory/ developing nations.

Editors : Agamuthu P. and Masaru Tanaka

## Preface

We, human beings like to enjoy our life and work to produce many products and provide services by producing all kind of waste. So, we can say that our daily activities convert natural resources to all kind of waste. Increase of number of human beings and drastic economic development in Asia and Pacific Islands are seen so that we face continuous and drastic increase of solid waste quantity and diversification of waste characteristics, it has become an urgent issue to promote the 3Rs (Reduce, Reuse and Recycle) in Asia and Pacific Islands in order to establish a sound material-cycle society (3R Society). For that purpose, a network of solid waste management experts, the Society of Solid Waste Management Experts in Asia and Pacific islands (SWAPI) has been developed since 2005.

The objectives of SWAPI are:

1. To cooperate in regional level to improve solid waste management including the 3Rs issues effectively and efficiently.
2. To form partnership of solid waste management experts on various fields in Asia and Pacific Islands region to exchange views, information and experience, and also, to provide a platform for sharing knowledge.
3. To promote international research cooperation in solid waste management to attain the above objectives.
4. To facilitate networking/institutionalizing of experts on national or city level.
5. To facilitate human resource development in solid waste management fields.
6. To share expertise with and to provide technical assistance to other stakeholders.

As an activity of SWAPI, we decided to publish a book which provides a clear and precise overview of the current municipal solid waste management in ASIA and Pacific Islands. We hope this book provides information for better solid waste management and 3Rs in your region. Let us work together to improve the solid waste management practices toward a sound material-cycle society with Pride, Dream and Mission (PDM).

Masaru Tanaka, Ph.D.

President of the Society of Solid Waste Management Experts in Asia and Pacific Islands (SWAPI)

## Municipal Solid Waste Management in Asia and the Pacific Islands

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Published for  
Solid Waste Management Expert  
in Asia and the Pacific Islands  
(SWAPI)



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**SWAPI (アジア太平洋廃棄物専門家会議)**

**Society of Solid Waste Management Experts in Asia and Pacific islands**

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仕様・体裁：横 17.5cm × 縦 25cm、270 頁、重さ 500g、表紙：ソフトカバー、ISBN 978-979-1344-78-4

## 申込書 “Municipal Solid Waste Management in Asia and the Pacific Islands”

頒布価格 2,500 円（本体 2,391 円＋税）、郵送の場合は送料込み 2,850 円（国内：レターパック 350）

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書籍代金振込口座：（株）廃棄物工学研究所、りそな銀行芝支店 普通預金 1518329

TEL/FAX 番号 086-239-5303

平成 年 月 日

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