



KURUKSHETRA UNIVERSITY KURUKSHETRA
[Established by the State Legislature Act XII of 1956]
(‘A+’ Grade, NAAC Accredited)

AQAR-2020-21

3.4.6: Documents for books and chapters in edited volumes
published per teacher during the Session 2020-21:

Name of Department: **Institute of Environmental Studies**

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Basic Concepts in Environmental Biotechnology

Edited by

Neetu Sharma
Abhinashi Singh Sodhi
Navneet Batra



CRC Press

Taylor & Francis Group

Boca Raton London New York

CRC Press is an imprint of the
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6 Solid Waste Management

Source and Treatment

Meenakshi Suhag

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6.1 INTRODUCTION

Discarded leftover materials that are generally supposed to be of no economic value are described as “waste.” Likewise, solid waste is a non-liquid, unwanted material generated from the routine activities of people in society. According to the 2016 Solid Waste Management (SWM) rules,

Solid waste is defined as solid or semi-solid domestic waste, sanitary waste, commercial waste, institutional waste, catering and market waste and other non-residential wastes, street sweepings, silt removed or collected from surface drains, horticulture waste, agriculture and dairy waste, treated bio-medical waste excluding industrial waste, bio-medical waste and e-waste, battery waste, radioactive waste generated in the area under the local authorities.

Rapid population expansion, escalating urbanization and prompt developments of infrastructure with varying lifestyle and economic situations have greatly accelerated the rate of per capita waste generation globally. Worldwide around two billion