

Suaeda is a mangrove halophyte commonly called as Sea-blites or Seepweeds. The genus comprises of about 75 species across the world, which is particularly dispersed in tropical countries. Available literature of "Suaeda" was surveyed rigorously to extract the information on pharmacological utilities and recent advancements in in vitro regeneration of Suaeda species. Unlike conventional crop plants, Suaeda is able to survive and reproduce in saline habitats, right from coastal regions, salt marshes, mudflats and inland deserts. Moreover, these species exhibit complex mechanism at physiological, cellular and molecular levels (viz. synthesis and expression of stress associated gene as well as accumulation of stress associated metabolites) enabling them to successfully cope with hostile conditions. These stress associated metabolites also evince sturdy and stiff anti-oxidant, anti-cancer, hepto-protective and anti-inflammatory activities and tend to be the key components in the prevention of assorted disease like (diabetes, cancer, chronic inflammation, cardiovascular malaises) and aging process.

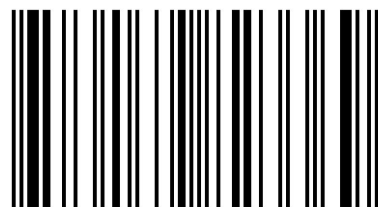


Jaya Arora  
Abhishek Joshi  
Varsha Sharma

Dr. Jaya Arora, CSIR-NET has 10 years experience of teaching and research. Her main area of research includes Secondary metabolite production, Bioprocess Engineering, Plant tissue culture and Molecular Biology. Abhishek Joshi is working on various aspects of Suaeda. Dr. Varsha Sharma has 10 years of research experience of secondary metabolites.

# Suaeda

A Promising Sustainable Halophyte of Future



978-613-9-82336-9

 **LAMBERT**  
Academic Publishing

**Jaya Arora  
Abhishek Joshi  
Varsha Sharma**

**Suaeda**



**Jaya Arora  
Abhishek Joshi  
Varsha Sharma**

# **Suaeda**

**A Promising Sustainable Halophyte of Future**

**LAP LAMBERT Academic Publishing**

## **Imprint**

Any brand names and product names mentioned in this book are subject to trademark, brand or patent protection and are trademarks or registered trademarks of their respective holders. The use of brand names, product names, common names, trade names, product descriptions etc. even without a particular marking in this work is in no way to be construed to mean that such names may be regarded as unrestricted in respect of trademark and brand protection legislation and could thus be used by anyone.

Cover image: [www.ingimage.com](http://www.ingimage.com)

Publisher:

LAP LAMBERT Academic Publishing

is a trademark of

International Book Market Service Ltd., member of OmniScriptum Publishing Group

17 Meldrum Street, Beau Bassin 71504, Mauritius

Printed at: see last page

**ISBN: 978-613-9-82336-9**

Copyright © Jaya Arora, Abhishek Joshi, Varsha Sharma

Copyright © 2018 International Book Market Service Ltd., member of OmniScriptum Publishing Group

All rights reserved. Beau Bassin 2018

# *Suaeda*

**A Promising Sustainable Halophyte of Future**

