

# Urban Agriculture and City Sustainability

## Editors

**S. Syngellakis**

*Wessex Institute, UK*

**J. L. Miralles i Garcia**

*Politechnic University of Valencia, Spain*

**WIT**PRESS Southampton, Boston



## Contents

Urban Foodprints (UF) – Establishing baseline scenarios for the sustainability assessment of high-yield urban agriculture <i>K. Benis, R. Gashgari, A. Alsaati &amp; C. Reinhart</i> .....	1
New policies for the management of peri-urban agricultural spaces. The case of L’Horta de València (Spain) <i>J. L. Miralles i Garcia</i> .....	13
Architectural implementation of vegetated cover from agriculture for restoring Human Thermal Comfort and mitigating the Urban Heat Island effect in arid regions <i>I. E. Gaxiola, N. V. Chalfoun &amp; C. Moeller</i> .....	25
Effects of vertical green technology on building surface temperature <i>I. Blanco, E. Schettini &amp; G. Vox</i> .....	37
Comparing urban food systems between Temperate Regions and Tropical Regions- introducing urban agroforestry in Temperate Climates through the case of Budapest <i>P. G. de Linares</i> .....	49
Mapping the agrodiversity in Bogotá – The platform Mapeo AgroEcoBogotá <i>K. Pinilla, B. Hoinle, A. Mahecha-Groot &amp; J. Cepeda</i> .....	61
The fate of compost-derived phosphorus in urban gardens <i>G. Small, P. Shrestha &amp; A. Kay</i> .....	69
Sustainable agriculture in organic wheat ( <i>Triticum aestivum</i> L.) growing in arid region <i>N. S. Al-Ghumaiz</i> .....	77
Heat transfer mechanisms in vertical green systems and energy balance equations <i>F. Convertino, G. Vox &amp; E. Schettini</i> .....	83

Urban green indicators: A tool to estimate the sustainability of our cities <i>C. M. Tudorie, E. Gielen, M. Vallés-Planells &amp; F. Galiana</i> .....	95
Users' perceptions and attitudes towards edible campus <i>T.-I. Lee, Y.-H. Chou &amp; T.-N. Huang</i> .....	107
Production and economic analysis of a Pop-Up Farm in Mexico City <i>P. D. H. Guerrero, L. M. M. Mata, P. B. Madrigal &amp; J. J. M. Criollo</i> .....	119
Cultivating refuge: The role of urban agriculture amongst refugees and forced migrants in the Kurdistan Region of Iraq <i>M. Tomkins, S. Yousef, A. Adam-Bradford, C. Perkins, E. Grosrenaud, M. McTough &amp; A. Viljoen</i> .....	131
Methodology to identify and assess agroecological practices in metropolitan areas. Case study, Concepción, Chile <i>M. Delpino-Chamy, M. Alarcon, S. Fernández &amp; J. Soto</i> .....	147
<b>Author index</b> .....	159