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# Designing Urban Agriculture A Complete Guide To The Planning Design Construction Maintenance And Management Of Edible Landscapes

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Advancing Food Integrity  
 Precedents, Practices, Prospects  
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 Research Approaches in Urban Agriculture and Community Contexts

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*Advancing Food Integrity* Routledge  
 Half the world's population is now urbanised and cities are assuming a larger role in debates about the security and sustainability of the global food system. Hence, planning for sustainable food production and consumption is becoming an increasingly important issue for planners, policymakers, designers, farmers, suppliers, activists, business and scientists alike. The rapid growth of the food planning movement owes much to the unique multi-functional character of food systems. In the wider contexts of global climate change, resource depletion, a burgeoning world population, competing food production

systems and diet-related public health concerns, new paradigms for urban and regional planning capable of supporting sustainable and equitable food systems are urgently needed. This book addresses this urgent need. By working at a range of scales and with a variety of practical and theoretical models, this book reviews and elaborates definitions of sustainable food systems, and begins to define ways of achieving them. Four different themes have been defined as entry-points into the discussion of 'sustainable food planning'. These are (1) urban food governance, (2) integrating health, environment and society, (3) urban agriculture (4) planning and design. 'This is an important compilation on a timely topic. It brings together the work of planners and designers from both sides of the Atlantic, and challenges us to think about how to create food systems that deliver healthy, just, and sustainable communities and vital places. The book moves dexterously between the grassroots and

policy halls and draws valuable lessons for theory and practice.' Dr. Kami Pothukuchi, Department of Urban Studies & Planning, Wayne State University 'To address the problems of urban food production we need to look at the city in a completely different way. This timely book will act as an important source for those who have an ethical interest, not only in food, but in improving the quality and justice of life in our city communities.' Prof. Flora Samuel, School of Architecture, University of Sheffield and member of Royal Institute of British Architects Research and Development Committee 'This publication provides a lot of "food for thought", not just for persons professionally involved in the food sector and officials dealing with national food policies, but especially for local and regional authorities, urban planners and architects, NGOs and community based organisations, health and environmental officers and concerned consumers. Against the background of the growing awareness of the elevated social, health and ecological costs of the mainstream globalized agri-food system, this book analyses the emergence of a new vision and many initiatives that seek to reconnect (sustainable) production with (sustainable) consumption .... Hence, the book delivers what is promised in its title: it discusses new concepts related to food and sustainable urban/regional planning based on a critical review of innovative practices at various levels.' Ir. Henk de Zeeuw, Director RUIAF Foundation 'For those who work to address the future challenges facing city development, this book is a must. Why? Because today practitioners and professionals are being asked to understand urban food production within a social, economic and ecological context. This book shows us how these connections are being made. The chapters are accessible and fascinating and will help beginners and experts to deal with food production in their everyday work.' Dr. Carlo W. Becker, bgmr Landscape Architects Berlin/Leipzig and Technical University Cottbus

*Precedents, Practices, Prospects* John Wiley & Sons

As urban populations rise rapidly and concerns about food security increase, interest in urban agriculture has been renewed in both developed and developing countries. This book focuses on the sustainable development of urban agriculture and its relationship to food planning in cities. It brings together the best revised and updated papers from the Sixth Association of European Schools of Planning (AESOP) conference on Sustainable Food Planning. The main emphasis is on the latest research and thinking on spatial planning and design, showing how urban agriculture provides opportunities to develop and enhance the spatial quality of urban environments. Chapters address various topics such as a new theoretical model for understanding urban agriculture, how urban agriculture contributes to restoring our connections to nature, and the limitations of the garden city concept to food security. Case studies are included from several European countries, including Bulgaria, France, Germany, Italy, Netherlands, Romania, Spain, Turkey and the UK, as well as Australia, Canada, Cameroon, Ethiopia and the United States (New York and Los Angeles).

**Interdisciplinary Research and Future Directions** Springer Nature

This book reviews the social role of universities in their local urban contexts and describes a number of initiatives of major interest in terms of the impact achieved, the range of stakeholders involved, and the significance of the university campus and teachers as agents of change. It is divided into three parts, the first of which draws on the international literature to provide theoretical background regarding the role of universities and university campuses as drivers of and magnets for social innovation. The second and third parts each focus on four main themes of interest in the contemporary design setting: urban

community gardens, social TV stations, mobile pavilions, and economic sustainability models. After a theoretical overview that also illustrates international best practices, it then focuses on the specific context of Milan, based on the pilot project recently conducted by the Politecnico di Milano, "CampUS - incubation and implementation of social practices", which won the 25th ADI Compasso d'Oro Award (2018) in the social design category. The book is of interest to academics, students, those working at public institutions, and city policymakers.

*Studies in Housing, Urban Design and Planning* Springer Nature

\* More than 150 sustainable resources for the Pacific Northwest \* More than 90 basic home-production recipes \* 75 black-and-white and 35 full color photographs \* Up-to-date information on Seattle-area urban farming permits and policy Is that . . . a goat in your garage?! It might be if you've been reading *The Urban Farm Handbook: City-Slicker Resources for Growing, Raising, Sourcing, Trading, and Preparing What You Eat*. In this comprehensive guide for city-dwellers on how to wean themselves from commercial supermarkets, the authors map a plan for how to manage a busy, urban family life with home-grown foods, shared community efforts, and easy yet healthful practices. More than just a few ideas about gardening and raising chickens, *The Urban Farm Handbook* uses stories, charts, grocery lists, recipes, and calendars to inform and instruct. As busy urbanites who have learned how to do everything from making cheese and curing meat to collaborating with neighbors on a food bartering system, the authors share their own food journeys along with those of local producers and consumers who are changing the food systems in the Pacific Northwest. Organized seasonally, this handbook instructs on: And so much more!

*Breaking Through Concrete* New Society Publishers

Winner of the 2015 RIBA President's Award for Outstanding University Located Research This book is the long awaited sequel to "Continuous Productive Urban Landscapes: Designing Urban Agriculture for Sustainable Cities". "Second Nature Urban Agriculture" updates and extends the authors' concept for introducing productive urban landscapes, including urban agriculture, into cities as essential elements of sustainable urban infrastructure. It reviews recent research and projects on the subject and presents concrete actions aimed at making urban agriculture happen. As pioneering thinkers in this area, the authors bring a unique overview to contemporary developments and have the experience to judge opportunities and challenges facing those who wish to create more equitable, resilient, desirable and beautiful cities.

*Urban Agriculture* Routledge

Following the collapse of the Soviet Union in the early 1990s, Cuba found itself solely responsible for feeding a nation that had grown dependent on imports and trade subsidies. With fuel, fertilizers, and pesticides disappearing overnight, citizens began growing their own organic produce anywhere they could find space— on rooftops, balconies, vacant lots, and even school playgrounds. By 1998 there were more than 8,000 urban farms in Havana producing nearly half of the country's vegetables. What began as a grassroots initiative had, in less than a decade, grown into the largest sustainable agriculture initiative ever undertaken, making Cuba the world leader in urban farming. Featuring a wealth of rarely seen material and intimate portraits of the environment, *Farming Cuba* details the innovative design strategies and explores the social, political, and environmental factors that helped shape this pioneering urban farming program.

**Designing Urban Food Policies** Univ of California Press

From roof to table - urban food has reached new heights.

**Urban Agriculture From the Ground Up** Springer

"There's a conviction among many sustainable agriculture

advocates that the best way to move agriculture forward is to look back. The hope is to return to an exalted era in agriculture, to the kind of rural scene fit for a Rockwell painting or a Shaker Village—to food grown the old fashioned way. *Breaking Through Concrete* is not that, which is exactly the point. This ode to urban farming is not nostalgic (those are skyscrapers in the background, not silos), but instructive. It's a beautiful, gritty and very real portrait of the possibilities for the future of food." — Dan Barber, Executive Chef & Co-owner of Blue Hill "A road map to the future of America. A blueprint of possibilities. A book full of remarkable stories of neighborhood visionaries, stories of people who grow community in their gardens. Where others see trouble, they see food and hope." —NPR's Kitchen Sisters "Finally, a book on the full continuum of urban agriculture in America, replete with inspiring images of the people and places behind today's city-grown food. Hanson and Marty tell these stories with such admiration for their subjects you'll want to bestow hero status to city farmers." —Darrin Nordahl, author of *Public Produce: The New Urban Agriculture* "Breaking Through Concrete will satisfy readers hungry for a broad perspective on urban agriculture. The beautiful stories and photographs of successful programs throughout North America, combined with practical 'how to' guides, provides a valued resource for practitioners, advocates, scholars, and gardeners." —Laura Lawson, author of *City Bountiful: A Century of Community Gardening in America*

**Creating Urban Agricultural Systems** Bloomsbury Publishing  
Carrot City is a collection of ideas, both conceptual and realized, that use design to enable sustainable food production, helping to reintroduce urban agriculture to our cities. Focusing on the need and desire to grow food within the city to supply food from local sources, the contributions of architecture, landscape design, and urban design are explored. Forty projects demonstrate how the production of food can lead to visually striking and artistically interesting solutions that create community and provide inhabitants with immediate access to fresh, healthful ingredients. The authors show how city planning and architecture that considers food production as a fundamental requirement of design result in more community gardens, greenhouses tucked under raised highways, edible landscapes in front yards in place of resource-devouring lawns, living walls that bring greenery into dense city blocks, and productive green roofs on schools and large apartment blocks that can be tended and harvested by students and residents alike.

*Designing Productive Cities* CRC Press

"This full-color guide offers a complete overview of edible landscapes from the planning, designing, and funding to the management and maintenance of these communal spaces and ecodestinations. Featuring case studies of innovative projects, it offers complete coverage of a dozen typologies including community gardens, CSA farms, edible estates, edible roof gardens, guerilla gardens, vertical wall gardens, and farm-to-table gardens, among others"--

*Advances in Landscape Architecture* Wageningen Academic Publishers

This book on urban design extends and develops the widely accepted 'compact city' solution. It provides a design proposal for a new kind of sustainable urban landscape: Urban Agriculture. By growing food within an urban rather than exclusively rural environment, urban agriculture would reduce the need for industrialized production, packaging and transportation of foodstuffs to the city dwelling consumers. The revolutionary and innovative concepts put forth in this book have potential to shape the future of our cities quality of life within them. Urban design is shown in practice through international case studies and the arguments presented are supported by quantified economic,

environmental and social justifications.

**Urban Agriculture and Social Justice Activism in New York City** Routledge

*Creating Urban Agriculture Systems* provides you with background, expertise, and inspiration for designing with urban agriculture. It shows you how to grow food in buildings and cities, operate growing systems, and integrate them with natural cycles and existing infrastructures. It teaches you the essential environmental inputs and operational strategies of urban farms, and inspires community and design tools for innovative operations and sustainable urban environments that produce fresh, local food. Over 70 projects and 16 in-depth case studies of productive, integrated systems, located in North America, Europe, and Asia, are organized by their emphasis on nutrient, water, and energy management, farm operation, community integration and design approaches so that you can see innovative strategies in action. Interviews with leading architecture firms, including WORKac, Kiss + Cathcart, Weber Thompson, CJ Lim/Studio 8, and SOA Architectes, highlight the challenges and rewards you face when creating urban agriculture systems.

Catalogs of growing and building systems, a glossary, bibliography, and abstracts will help you find information fast.

**Carrot City** Designing Urban Agriculture A Complete Guide to the Planning, Design, Construction, Maintenance and Management of Edible Landscapes

This book will fill a void in the literature around research and program design and the impact of such experiences on learning outcomes within urban agricultural contexts. In particular, this book will cover topics such as STEM integration, science learning, student engagement, learning gardens and curriculum design.

*Farming Cuba* The Monacelli Press, LLC

This Open Access book is for scientists and experts who work on urban food policies. It provides a conceptual framework for understanding the urban food system sustainability and how it can be tackled by local governments. Written by a collective of researchers, this book describes the existing conceptual frameworks for an analysis of urban food policies, at the crossroads of the concepts of food system and sustainable city. It provides a basis for identifying research questions related to urban local government initiatives in the North and South. It is the result of work carried out within Agropolis International within the framework of the Sustainable Urban Food Systems program and an action research carried out in support of Montpellier Méditerranée Métropole for the construction of its agroecological and food policy.

**Designing Urban Agriculture for Sustainable Cities** Fox Chapel Publishing

The integration of food into urban planning is a crucial and emerging topic. Urban planners, alongside the local and regional authorities that have traditionally been less engaged in food-related issues, are now asked to take a central and active part in understanding how food is produced, processed, packaged, transported, marketed, consumed, disposed of and recycled in our cities. While there is a growing body of literature on the topic, the issue of planning cities in such a way they will increase food security and nutrition, not only for the affluent sections of society but primarily for the poor, is much less discussed, and much less informed by practices. This volume, a collaboration between the Bartlett Development Planning Unit at UCL and the Food Agricultural Organisation, aims to fill this gap by putting more than 20 city-based experiences in perspective, including studies from Toronto, New York City, Portland and Providence in North America; Milan in Europe and Cape Town in Africa; Belo Horizonte and Lima in South America; and, in Asia, Bangkok and Tokyo. By studying and comparing cities of different sizes, from both the

Global North and South, in developed and developing regions, the contributors collectively argue for the importance and circulation of global knowledge rooted in local food planning practices, programmes and policies.

*Sustainable food planning: evolving theory and practice*  
Skipstone

*New Trends in Urban Planning: Studies in Housing, Urban Design and Planning* presents the trends in urban planning with a wide array of theory and practice in various countries. This book deals with the overall problems facing urban planners in their striving at an enhanced quality of life in human settlements. Organized into seven panels encompassing 29 chapters, this book begins with an overview of the planning aspects of a general nature. This text then highlights some of the important trends in the recent change of focus due to the view that the settlement is a better contemporary definition than urban planning. Other chapters consider that the theory and practice of urban planning is found to be inadequate for the purpose of remedying deficiencies in urban areas. The final chapter deals with the specific developments that are taking place in Israel and elsewhere. This book is a valuable resource for teachers, practitioners, researchers, administrators, and politicians.

*Building an Urban Farm Revival* Routledge

Intended as a one stop shop of a veritable who's who of leading urban agriculture authors and scholars, this book brings together seventeen contributions on the design, development, science, and society of the rapidly expanding, multi-disciplinary field."

*Urban Farming Chronicle* Books

A global movement to take back our food is growing. The future of farming is in our hands—and in our cities. This book examines alternative food systems in cities around the globe that are shortening their food chains, growing food within their city limits, and taking their "food security" into their own hands. The author, an award-winning food journalist, sought out leaders in the urban-agriculture movement and visited cities successfully dealing with "food deserts." What she found was not just a niche concern of activists but a global movement that cuts across the private and public spheres, economic classes, and cultures. She describes a global movement happening from London and Paris to Vancouver and New York to establish alternatives to the monolithic globally integrated supermarket model. A cadre of

forward-looking, innovative people has created growing spaces in cities: on rooftops, backyards, vacant lots, along roadways, and even in "vertical farms." Whether it's a community public orchard supplying the needs of local residents or an urban farm that has reclaimed a derelict inner city lot to grow and sell premium market veggies to restaurant chefs, the urban food revolution is clearly underway and working. This book is an exciting, fascinating chronicle of a game-changing movement, a rebellion against the industrial food behemoth, and a reclaiming of communities to grow, distribute, and eat locally.

*Teaching and Learning in Urban Agricultural Community Contexts*  
Prometheus Books

The "how-to" guide for a new generation of farmers from the author of *Farm City* and a leading urban garden educator. In this indispensable guide, *Farm City* author Novella Carpenter and Willow Rosenthal share their experience as successful urban farmers and provide practical blueprints—complete with rich visual material—for novice and experienced growers looking to bring the principles of ethical food to the city streets. *The Essential Urban Farmer* guides readers from day one to market day, advising on how to find the perfect site, design a landscape, and cultivate crops. For anyone who has ever grown herbs on windowsills, or tomatoes on fire escapes, this is an invaluable volume with the potential to change our menus, our health, and our cities forever.

*Urban Agriculture for Growing City Regions* Routledge

As people increasingly migrate to urban settings and more than half of the world's population now lives in cities, it is vital to plan and provide for sustainable and resilient food systems which reflect this challenge. This volume presents experience and evidence-based "state of the art" chapters on the key dimensions of urban food challenges and types of intra- and peri-urban agriculture. The book provides urban planners, local policy makers and urban development practitioners with an overview of crucial aspects of urban food systems based on an up to date review of research results and practical experiences in both developed and developing countries. By doing so, the international team of authors provides a balanced textbook for students of the growing number of courses on sustainable agriculture, food and urban studies, as well as a solid basis for well-informed policy making, planning and implementation regarding the development of sustainable, resilient and just urban food systems.