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What is Urban Agriculture?

Frequency of Subject Terms using Ulrich's Additional terms that had only 1 Water Resources Urban agriculture (UA) is an agricultural practice that is done within urban occurrence: Business and Economics • Technology & Environmental Safety communities or areas. The term UA is synonymous with urban horticulture, Architecture Social Sciences urban gardening, and peri-urban agriculture. The practice of UA has Public Administration Sociology Political Science historically been present in many cities, dating back to at least as early as Earth Sciences • Philosophy the ancient Greeks¹. However, in more recent times agriculture has been Medical Sciences Geograph • Hydrology moved predominantly to rural areas. That being said, there is a movement • Gardening & Horticulture Conservation where UA is once again becoming a more common practice. UA is a • Education Agricultural Economics • Dairying & Dairy Products Housing and Urban Planning worldwide phenomenon that is not restricted to certain regions or cultures. • Crop Production & Soil Environmental Stud In this poster, however, the scholarly research of urban agriculture is what is being addressed specifically, not just the practice of urban agriculture. t occurrences in Ulric **Figure 1**. Subject listings in Ulrich's for journal titles with >5 articles on UA. This figure excludes terms with 1 occurrence. Research questions **Table 2.** The top 10 Journal titles on the topic of *Urban Agriculture* in this analysis **Journal Title** What disciplines are researching *Urban Agriculture*? Acta Horticulturae What constitutes *Urban Agriculture* research? Journal of Agriculture, Food Systems and Commun • Does *Urban Agriculture* research differ dependent on where research is Local Environment Land Use Policy conducted? Acta Agriculturae Shanghai Landscape and Urban Planning **Cahiers Agricultures Cultivos Tropicales Table 1.** Databases used in this study and the number of results obtained
 Agriculture and Human Values from the search. This includes duplicates across databases and otherwise Habitat International unedited results. ults To reduce the total number of articles/journals to be examined, I removed those from journals that had less than 5 articles on UA within them. This resulted in a listing of 44 Journal titles. There were a total of 840 unique journal titles before removing lower output titles according to the above filter(s). The data shows a long tail of journal titles that have a single publication on UA. However, Acta Horticulturae had 75 articles found, and the next highest article count by journal title was published by the *Journal of* Agriculture, Food Systems and Community Development, with 32 journal articles (Table 2). Methods (brief) Table 5. Frequency of keywords when organized by the disposable income of a country's citizens as determined by the GDP-PPP, or the GDP-PPP, or the Gross Domestic Product – Purchasing Power Parity. Category 1 countries are of 1. Seven databases were searched for peer-reviewed literature (table 1) lower wealth than category 5 countries. See handout for a list of the countries in each category. 2. Searched databases for *Urban Agriculture* and its synonyms

Database	Provider	Resu
CABI	Web of Science	674
Theses & Dissertations	ProQuest	224
PubAg	National Agricultural Libraries	194
EconLit	Ebsco	68
Sociological Abstracts	ProQuest	67
Academic Search Premier	Ebsco	365
Scopus	Elsevier	798

- 3. Citation information was recorded for each article
- 4. Keywords from each article were analyzed
- 5. Physical location of the research sites were noted

Urban Agriculture Research and Scholarship Trends

GDP-PPP Cate	gory 1	GDP-PPP Catego	ry 2	GDP-PPP Cat	tegory 3	GDP-PPP Category	4	GDP-PPP Category	5
Keyword	Frequency	Keyword	Frequency	Keyword	Frequency	Keyword	Frequency	Keyword	Frequency
food security	10	business	16	biodiversity	8	community gardens	11	community gardens	15
urbanization	9	economics	16	farmers	5	sustainability	11	food system	11
farming systems	7	agricultural development	10	heavy metals	4	farming systems	5	food justice	9
irrigation	6	plant sciences	8	urban soil	4	land use	5	food desert	7
urban planning	6	urbanization	8	farming systems	3	economy and rural development	4	food security	6
wastewater	6	public administration	7	food security	3	local food	4	urban planning	6
nutrition	5	developing country	5	participation	3	planning	4	alternative food networks	4
sustainability	5	livelihood	5	plant breeding	3	urban soil	4	community food security	4
developing country	4	vegetable	5	sustainability	3	agricultural land	3	community supported agriculture	4
farmers	4	food security	4	varieties	3	allotments	3	home garden	4

0	Number of
	articles
	75
nity Development	32
	28
	28
	21
	18
	14
	15
	17
	14

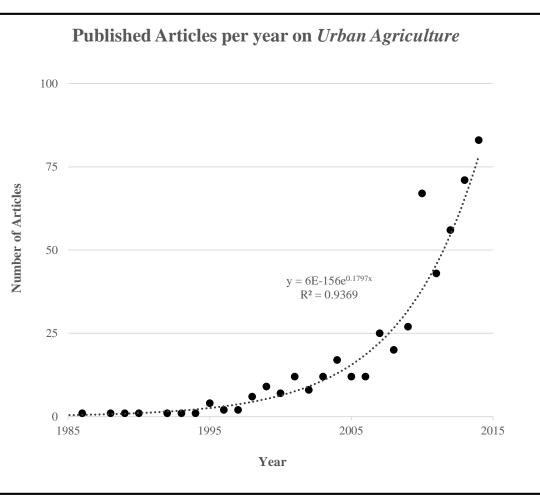
Table 3. Frequency of keywords (greater than 6)
 occurrences only) in this analysis. Urban agriculture

nd synonyms were removed.		Country	No. of Article
Keyword	Frequency	United States	86
food security	37	China	75
sustainability	31	Cuba	29
urbanization	30		
community gardens	21	Canada	25
urban planning	19	South Africa	19
food system	18	Ghana	16
land use	17	United Kingdom	15
Business	16	C	
Economics	16	Nigeria	15
vegetable	16	Italy	14
farming systems urban	15 14	Kenya	14
farmers	14	Mexico	14
food	12		
livelihood	12	Burkina Faso	13
Periurban	12	France	13
urban soil	12	Tanzania	10
agricultural development	12	Benin	9
biodiversity	11	Cameroon	9
developing country	11		
food justice	10	Senegal	9
land use planning	9	Uganda	9
poverty	9	Australia	8
urban areas	9	Japan	7
wastewater	9	Jupun	,
food production	8		
gender	8	Published Articles per ye	ear on Urban Agriculture
GIS	8	100	
Plant Sciences	8		
civic agriculture	7	75	•
community supported agriculture	7	ticles	•
Cuba	7	of Articles	•
food desert	7	50	$y = 6E - 156e^{0.1797x}$
home garden	7		R ² = 0.9369
horticulture	7	25	•
irrigation	7		• • • • • • •
Kenya	7	0	2005 2015
planning	7	Y	ear
Public Administration	7	UA has a growth rate of ~18	8% over the period 1
Tanzania	7	Scientific output, in general	•
urban development	7	2.9% from the period 1980	•

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Table 4. Top 20 Countries where UA research was
 conducted



)-2015. growing at 2.9% from the period 1980 – 2012.

1. Imbert, D. (Ed) (2012). Food and the city: histories of culture and cultivation. Dumbarton Oaks:

Bornmann, L. and Mutz, R. (2015). Growth rates of modern science: a bibliometric analysis based on the number of publication and cited references. Journal of the Association for Information Science and Technology, 66(11): 2215-2222.