**Supplementary Material S1:** Queries used in the database search and number of papers identified

|  |  |  |
| --- | --- | --- |
| Challenge | Query | Number papers |
| 1 | tak({urban} OR {peri-urban} OR {city} OR {municipal}) AND tak({agriculture} OR {gardening} OR {farming} OR {cultivation} OR {foraging} OR {forest farming}) AND tak({climate change} OR {climate change adaption} OR {climate change mitigation} OR {carbon sequestration}) | 184 |
| 2 | tak({urban} OR {peri-urban} OR {city} OR {municipal}) AND tak({agriculture} OR {gardening} OR {farming} OR {cultivation} OR {foraging} OR {forest farming}) AND tak({food security} OR {food safety} OR {food justice}) | 151 |
| 3 | tak({urban} OR {peri-urban} OR {city} OR {municipal}) AND tak({agriculture} OR {gardening} OR {farming} OR {cultivation} OR {foraging} OR {forest farming}) AND tak({biodiversity} OR {ecosystem services}) | 185 |
| 4 | tak({urban} OR {peri-urban} OR {city} OR {municipal}) AND tak({agriculture} OR {gardening} OR {farming} OR {cultivation} OR {foraging} OR {forest farming}) AND tak({agricultural intensification} OR {organic farming} OR {sustainable agriculture} OR {agricultural chemical} OR {chemical fertilizer} OR {nutrient efficiency}) | 114 |
| 5 | tak({urban} OR {peri-urban} OR {city} OR {municipal}) AND tak({agriculture} OR {gardening} OR {farming} OR {cultivation} OR {foraging} OR {forest farming}) AND tak({resource efficiency} OR {water protection} OR {urban water} OR {energy efficiency} OR {life cycle assessment}) | 129 |
| 6 | tak({urban} OR {peri-urban} OR {city} OR {municipal}) AND tak({agriculture} OR {gardening} OR {farming} OR {cultivation} OR {foraging} OR {forest farming}) AND tak({urban renewal} OR {urban regeneration} OR {abandoned land} OR {brownfield} OR {vacancy}) | 26 |
| 7 | tak({urban} OR {peri-urban} OR {city} OR {municipal}) AND tak({agriculture} OR {gardening} OR {farming} OR {cultivation} OR {foraging} OR {forest farming}) AND tak({land management} OR {land take} OR {soil sealing} OR {soil degradation} OR {green space management} OR {governance} OR {green infrastructure}) | 178 |
| 8 | tak({urban} OR {peri-urban} OR {city} OR {municipal}) AND tak({agriculture} OR {gardening} OR {farming} OR {cultivation} OR {foraging} OR {forest farming}) AND tak({public health} OR {well-being} OR {quality of life}) | 192 |
| 9 | tak({urban} OR {peri-urban} OR {city} OR {municipal}) AND tak({agriculture} OR {gardening} OR {farming} OR {cultivation} OR {foraging} OR {forest farming}) AND tak({social cohesion} OR {social justice} OR {participation} OR {awareness} OR {civic agriculture}) | 157 |
| 10 | tak({urban} OR {peri-urban} OR {city} OR {municipal}) AND tak({agriculture} OR {gardening} OR {farming} OR {cultivation} OR {foraging} OR {forest farming}) AND tak({economic growth} OR {green jobs} OR {innovation} OR {cost-effectiveness}) | 274 |