

# Appendix to the Article “Brazilian Smart Cities Through the Lens of Information Technology: A Systematic Mapping Study”

## 1 Introduction

This document complements the information available in the article “Brazilian Smart Cities Through the Lens of Information Technology: A Systematic Mapping Study,” presented in Section 2, and includes the search strings used in the databases (ACM Digital Library, IEEE Xplore, Web of Science, Science Direct, and Scopus). References for the 642 selected articles are included at the end of the document. The extractions were conducted on April 26, 2025.

## 2 Extraction of Articles from Scientific Databases

### 2.1 ACM digital library

URL: <https://dl.acm.org/>

```
( ( Title:
    ("cidade inteligente" OR "cidades inteligentes"
    OR "smart cities" OR "smart city")
)
OR
( Abstract:
    ("cidade inteligente" OR "cidades inteligentes"
    OR "smart cities" OR "smart city")
)
OR
( Keyword:
    ("cidade inteligente" OR "cidades inteligentes"
    OR "smart cities" OR "smart city")
)
)
AND Affiliation:(brasil OR brazil)
```

## 2.2 IEEE Xplore

URL: <https://ieeexplore.ieee.org/Xplore>

```
(
  (
    ("Document Title":"cidade inteligente" OR
    "Document Title":"cidades inteligentes" OR
    "Document Title":"smart cities" OR
    "Document Title":"smart city")
  )
  OR
  (
    ("Abstract":"cidade inteligente" OR
    "Abstract":"cidades inteligentes" OR
    "Abstract":"smart cities" OR
    "Abstract":"smart city")
  )
  OR
  (
    ("Author Keywords":"cidade inteligente" OR
    "Author Keywords":"cidades inteligentes" OR
    "Author Keywords":"smart cities" OR
    "Author Keywords":"smart city")
  )
)
AND (
  "Author Affiliations":Brasil OR
  "Author Affiliations":Brazil
)
```

## 2.3 Science Direct

URL: <https://www.sciencedirect.com/>

```
Title, abstract, keywords:
  "cidade inteligente" OR
  "cidades inteligentes" OR
  "smart cities" OR "smart city"

Author Affiliation: Brazil OR Brasil
```

## 2.4 Scopus

URL: <https://www.scopus.com/>

```
TITLE-ABS-KEY ("cidade inteligente" OR "cidades inteligentes" OR
               "smart cities" OR "smart city" )

AND AFFILCOUNTRY ( "brazil" OR "brasil" )

AND LIMIT-TO ( SUBJAREA , "COMP" )
```

## 2.5 Web of Science

URL: <https://www.webofscience.com/wos/>

```
(
  TI=("cidade inteligente" OR "cidades inteligentes"
    OR "smart cities" OR "smart city"
  )
  OR
  AB=("cidade inteligente" OR "cidades inteligentes"
    OR "smart cities" OR "smart city"
  )
  OR
  AK=("cidade inteligente" OR "cidades inteligentes"
    OR "smart cities" OR "smart city"
  )
)
AND
CU=(brasil OR brazil)
and Computer Science Information Systems (Web of Science Categories)
```

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