
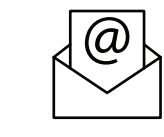



# CONCENTRATED KNOWLEDGE ON NUTRIENTS

Easily find scientific papers on nutrient recirculation using our tool

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## PROBLEM

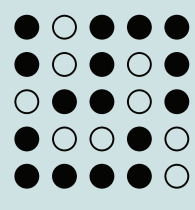
Knowledge on the recovery and reuse of nutrients in human excreta and wastewater is scattered across different sources and rapidly growing. It is difficult to navigate existing knowledge and keep track of new findings.

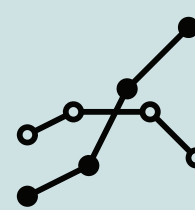
## VISION

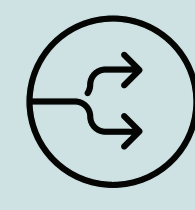
To create an online knowledge brokering tool that helps actors explore the **scientific literature** on innovative and sustainable solutions to recirculate nutrients from human excreta and wastewater to agriculture.

  
 find publications

  
 map research

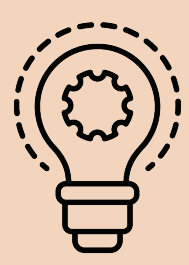
  
 identify gaps

  
 follow trends

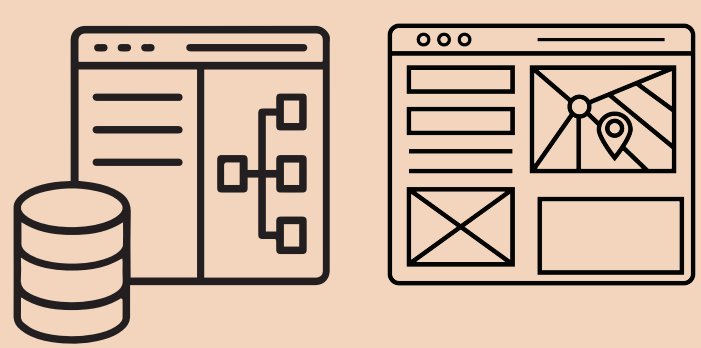
  
 explore options

## EGESTABASE

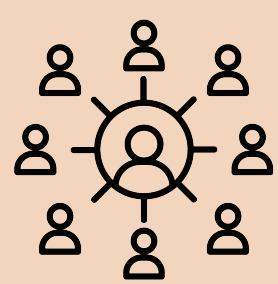
Evidence Explorer



map evidence



develop database & interactive website



co-design with stakeholders

**BIBLIOGRAPHIC SEARCH**

**AUTHOR**  
Select authors

**YEAR**  
Select years

**ORGANIZATION**  
Select organizations

**COUNTRY**  
Select countries

**PUBLICATION SOURCE**  
Select publication sources

**DOCUMENT TYPE**

- Book chapter
- Conference paper
- Dissertation
- Journal article
- Report
- Trade journal

**RESEARCH TYPE**

- Primary (i.e., original research)
- Secondary (i.e., reviews)

**ACCESS**

- Open access
- Subscription only

**LANGUAGE**

- English
- Other

**SOURCE**

- Urine | Yellowwater
- Feces | Brownwater
- Excreta | Blackwater
- Sewage | Wastewater

**TECHNOLOGY**

- Treatment
- Water Extraction
- Biological Decomposition
- Thermal Decomposition
- Bioelectrochemical System
- Selective Crystallization
- Sorption | Ion Exchange
- Stripping
- Membrane Separation
- Biomass & Protein Growth
- Wet Chemical Extraction

**PRODUCT**

- Nutrient Solution
- Precipitate
- Ash
- Sorbent
- Organic Material
- Protein

**REUSE**

- Crop Production
- Animal Production
- Fertilizer Production
- Other

**NUTRIENT**

C N P K NUT

Search the database using filters

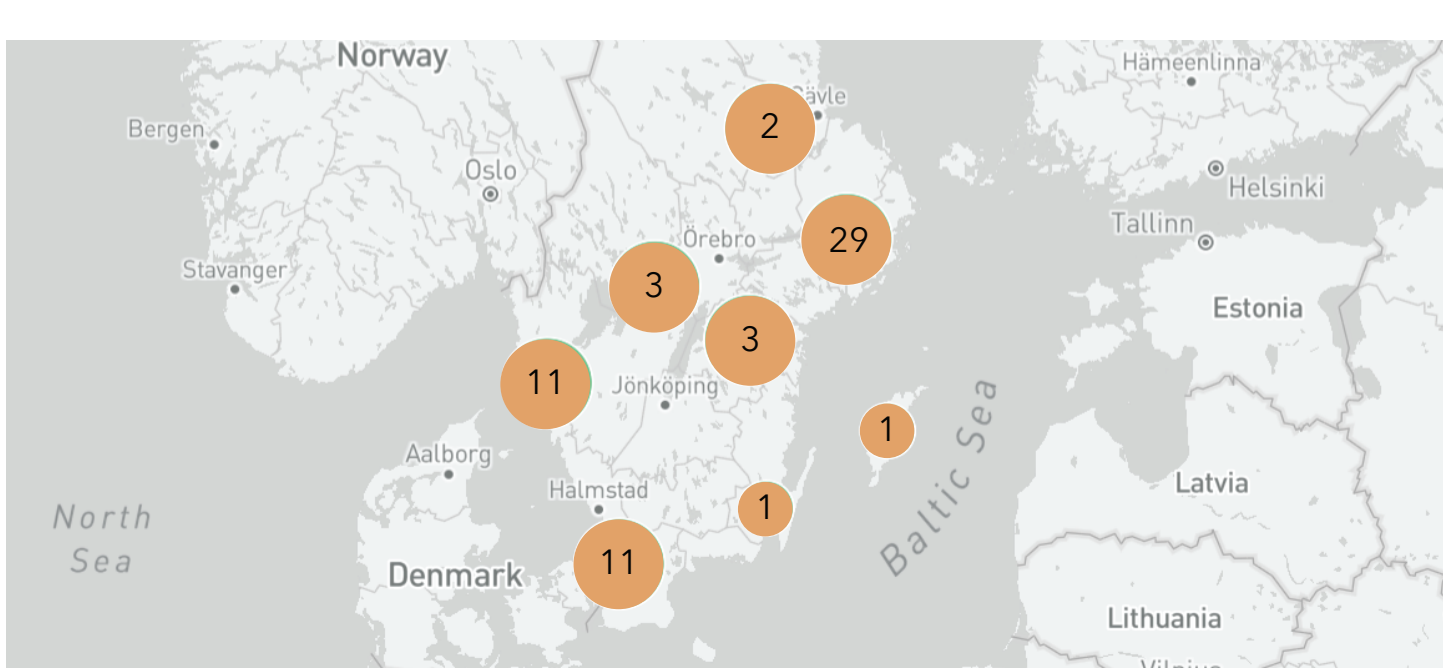
Pathway Search: selective crystallization x precipitation x precipitate x magnesium ammonium phosphate (MAP) x

Bibliographic Search: journal article x Austria x

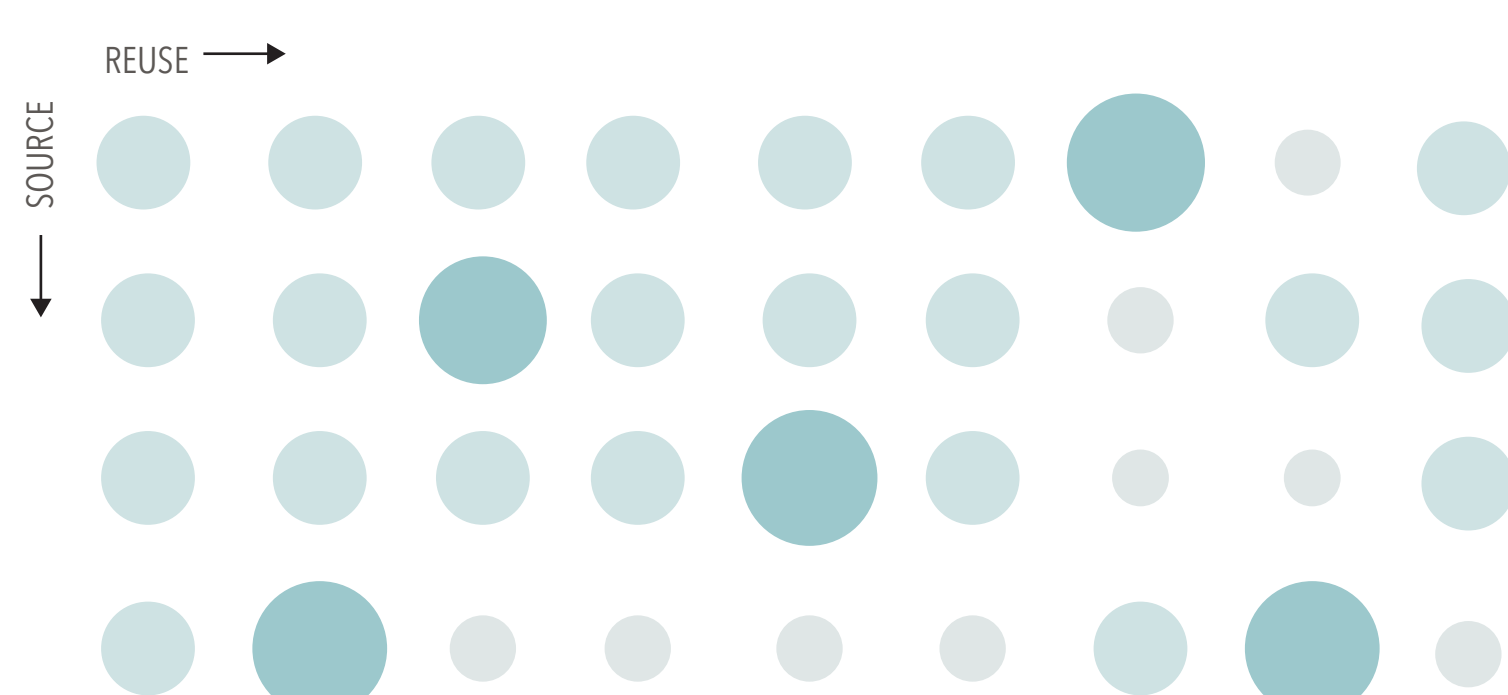
## FIND LITERATURE

Explore the database of peer-reviewed literature using key search filters. Access titles, keywords, abstracts and DOIs. Download csv files for your individual search.

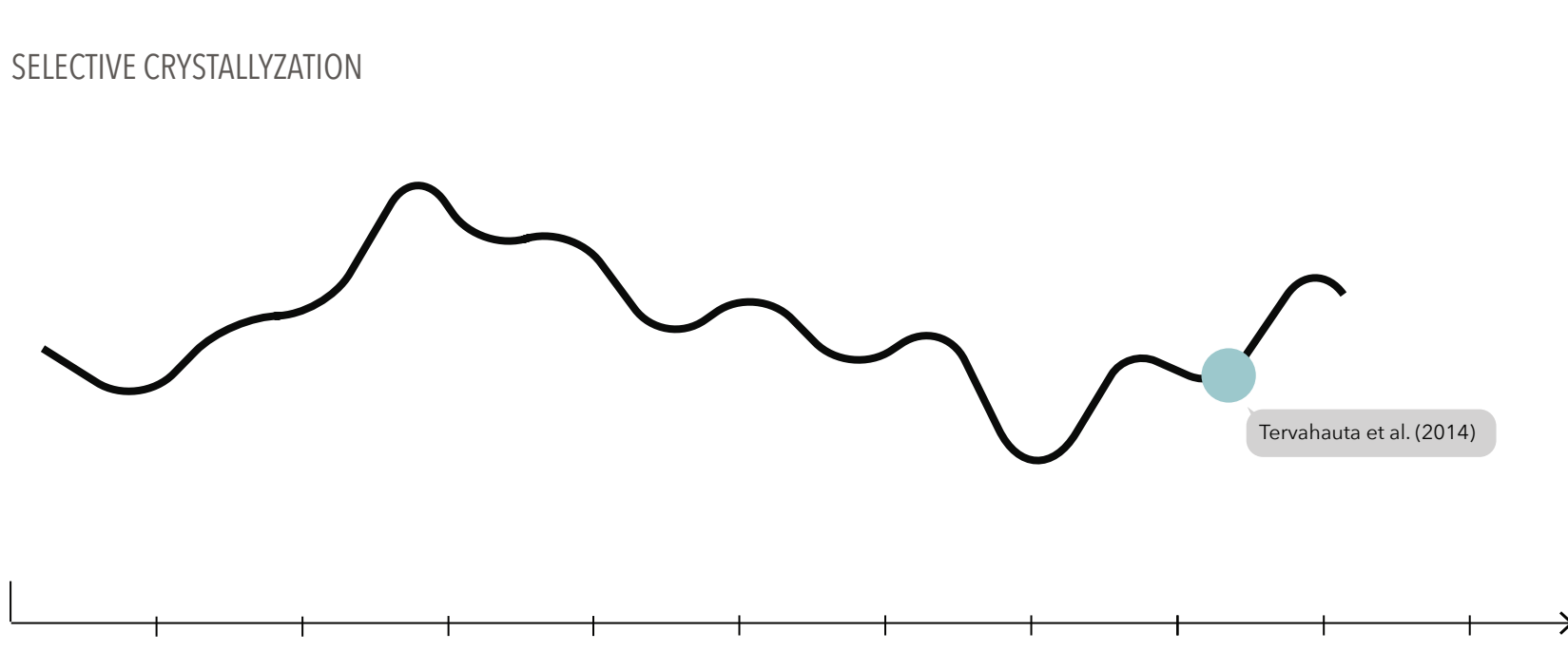
### MAP RESEARCH ACTIVITY & CASE EXAMPLES



### IDENTIFY RESEARCH GAPS



### FOLLOW RESEARCH TRENDS OVER TIME



## EXPLORE OPTIONS

Explore the different options from source to recovered product, and learn about the various pathways, processes, products and reuse strategies. Link to the literature to learn more.

Interact with and explore the data

**SOURCE** | **PROCESS** | **PRODUCT** | **REUSE**

**URINE** | **SELECTIVE CRYSTALLIZATION** | **MAGNESIUM AMMONIUM PHOSPHATE (MAP)** | MINERAL FERTILIZER PRODUCTION, PLANT FERTILIZER

**URINE** | **STRIPPING** | **SELECTIVE CRYSTALLIZATION** | **MAGNESIUM POTASSIUM PHOSPHATE (MPP)** | MINERAL FERTILIZER PRODUCTION, PLANT FERTILIZER

**URINE** | **STRIPPING** | **AMMONIUM SOLUTION** | MINERAL FERTILIZER PRODUCTION, PLANT FERTILIZER

HOW WOULD THIS TOOL BE MOST USEFUL TO YOU? LET US KNOW!