**Documentos pesquisados com acesso ao conteúdo**

***Com a string “soil ontology” – 6 documentos***

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| * Optimal seismic solution design for underground frame structure of subway station considering uniform damage |
| * Design of Multiple Ontology Based Agro Knowledge Mining Model |
| * An Ontology-based Knowledge Mining Model for Effective Exploitation of Agro Information |
| * Supervised Ontology Oriented Deep Neural Network to Predict Soil Health |
| * Toward a relational materiality of soils introduction |
| * **Making time for soil: Technoscientific futurity and the pace of care**   ***A partir de snowballing – 10 documentos***   |  | | --- | | * 3D Segmentation of MRI Using Multimodal for Detection of Brain Tumour | | * Appearance quality identification and environmental factors tracing of Lyophyllum decastes for precise environment control using knowledge graph | | * An ontology-based agriculture decision-support system with an evidence-based explanation model | | * Developing an agriculture ontology for extracting relationships from texts using Natural Language Processing to enhance semantic understanding | | * Development of an Ontology-Based Technique for Labeling Land Cover Classes with Minimum Utilization of SAR Features | | * Property-Based Quality Measures in Ontology Modeling | | * A Survey on Computational Aptitudes towards Precision Agriculture using Data Mining | | * Developing an agriculture ontology for extracting relationships from texts using Natural Language Processing to enhance semantic understanding | | * Deep Neural Network System Using Ontology to Recommend Organic Fertilizers for a Sustainable Agriculture | | * Development of an Ontology for Bulgarian Soil Types | |  | |

**Documentos pesquisados sem acesso ao conteúdo**

***(Através do string “soil ontology”) – 5 documentos***

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| * Human-managed soils and soil-managed humans: An interactive account of perspectival realism for soil management (2024) |
| * OntoFusionCrop: An Ontology Centric Approach for Crop Recommendation Based on Bagging and Semantic Alignment (2022) |
| * Towards an ontology-based soil information system (2015) |
| * Strengthening soil taxonomy ontology software for description and classification of USDA soil taxonomy up to soil series (2015) |
| * Web based software for the study of USDA soil taxonomy and classification of newly found soil (2014) |

***(A partir de snowballing forward) - 10 documentos***

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| * Use of NLP Techniques and High-Performance Computing for Automated Knowledge Based Ontology Construction of Saffron Crop (2025) |
| * An active disturbance rejection control approach to vibration control on flexible systems based on frequency response (2024) |
| * KIASOntoRec: A Knowledge Infused Approach for Socially Aware Ontology Recommendation (2023) |
| * Application of artificial intelligence and machine learning in agriculture |
| * Ontology of Crop Pest Control |
| * Futuristic e-governance security with deep learning applications |
| * Deep Learning-Based Soil Nutrient Content Prediction for Crop Yield Estimation * Soil aggregates response to tillage and residue management in a double paddy rice soil of the Southern China |

***Documentos não catalogados snowballing forward:***

* 323 documentos citam ***Making time for soil: Technoscientific futurity and the pace of care***
* 50 documentos citam ***Toward a relational materiality of soils introduction***

**Ontologias encontradas nas pesquisas**

Dentre os documentos com acesso ao conteúdo, foram localizadas 45 imagens com diagramas de ontologias

Diagrama

O conteúdo gerado por IA pode estar incorreto.

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**Roteiro para a dissertação:**

**Criação da Ontologia**

Metodologia de Noy e McGuinness (2001), referência amplamente utilizada para esse fim na área, que descreve sete etapas para a criação de uma ontologia. Essas etapas incluem: “Etapa 1) Determinar o domínio e o escopo da ontologia; Etapa 2) Considerar a reutilização de ontologias existentes; Etapa 3) Enumerar os termos importantes na ontologia; Etapa 4) Definir as classes e a hierarquia de classes; Etapa 5) Definir as propriedades das classes — slots; Etapa 6) Definir as facetas dos slots; e Etapa 7) Criar instâncias”.

**Questões:**

1. Nenhum documento no SCOPUS fala sobre ontologia de solos brasileiros, pelo menos na string de pesquisa “soil ontology” e snowballing forward. Seria interessante fazer busca sobre o Sistema Brasileiro de Classificação de Solos, da Embrapa?
2. Da mesma forma, também não encontrei nenhum documento no SCOPUS sobre multisoils. Como faço para referenciar este projeto no texto da dissertação?
3. Tomando o projeto ELLAS como referencial para minha dissertação, consigo traçar alguns paralelos com o Multisoils. Ambas constituem uma plataforma de conhecimento sobre determinado assunto (mulheres no âmbito da STEM e solos brasileiros). Alguns textos no ELLAS quando falam de ontologia, também descrevem todo o pipeline de conhecimento, trazendo outras camadas da web semântica. Devo relatar essas outras camadas?

Diagrama

O conteúdo gerado por IA pode estar incorreto.