

Pētniecības datu avoti un datu meklēšana

Oksana Zaiceva, RTU datu kuratore

Latvija datu kuratoru tīkls, CC BY 4.0

Vebinārs «Pētniecības datu ekosistēma Latvijā un bibliotēku loma» 22.04.2026.



Projekts «Atbalsts atvērtās zinātnes ieviešanai praksē, kā arī izveidoti risinājumi zinātnes datu koplietošanai un dalībai ES atvērtajā zinātnes mākonī» (ANM 2.1.3.1.i.)



Datu repozitoriji un citi avoti

Kas ir pētniecības datu repozitorijs?

Digitāla platforma, kur pētnieki var ilgtermiņā saglabāt, aprakstīt un kopīgot pētniecības datu kopas

Uzticams repozitorijs nodrošina:

- Datu meklēšanu/atrašānu
- Drošu ilgtermiņa saglabāšanu
- Iespēju pievienot metadatus
- Dažādus piekļuves veidus
- Pastāvīgos identifikatorus datu kopām



Datu repozitoriju lietotāju grupas

Autori – pētnieki vai institūcijas, kas rada un publicē datus

- Iespēja droši uzglabāt un publiskot datus
- DOI piešķiršana (pastāvīga identifikācija)
- Datu citējamība (palielina akadēmisko ietekmi)
- Atbilstība atvērtās zinātnes (FAIR) un finansētāju prasībām
- Kontrole par piekļuvi (atvērta/slēgta)
- Sadarbības iespējas
- Interfeiss, elastība datu tipiem un funkcionalitāte

Lietotāji – pētnieki, studenti, analītiķi u.c., kas meklē un izmanto esošos datus

- Laba datu atrodamība (repozitorija indeksēšana meklētējsistēmās un katalogos)
- Viegla, ērta meklēšana un piekļuve
- Metadatu kvalitāte (skaidrs apraksts, dokumentācija)
- Datu atkārtota izmantošana:
 - datu struktūra
 - failu formāti
 - licence
 - versija

**Bibliotekāri
Datu kuratori**

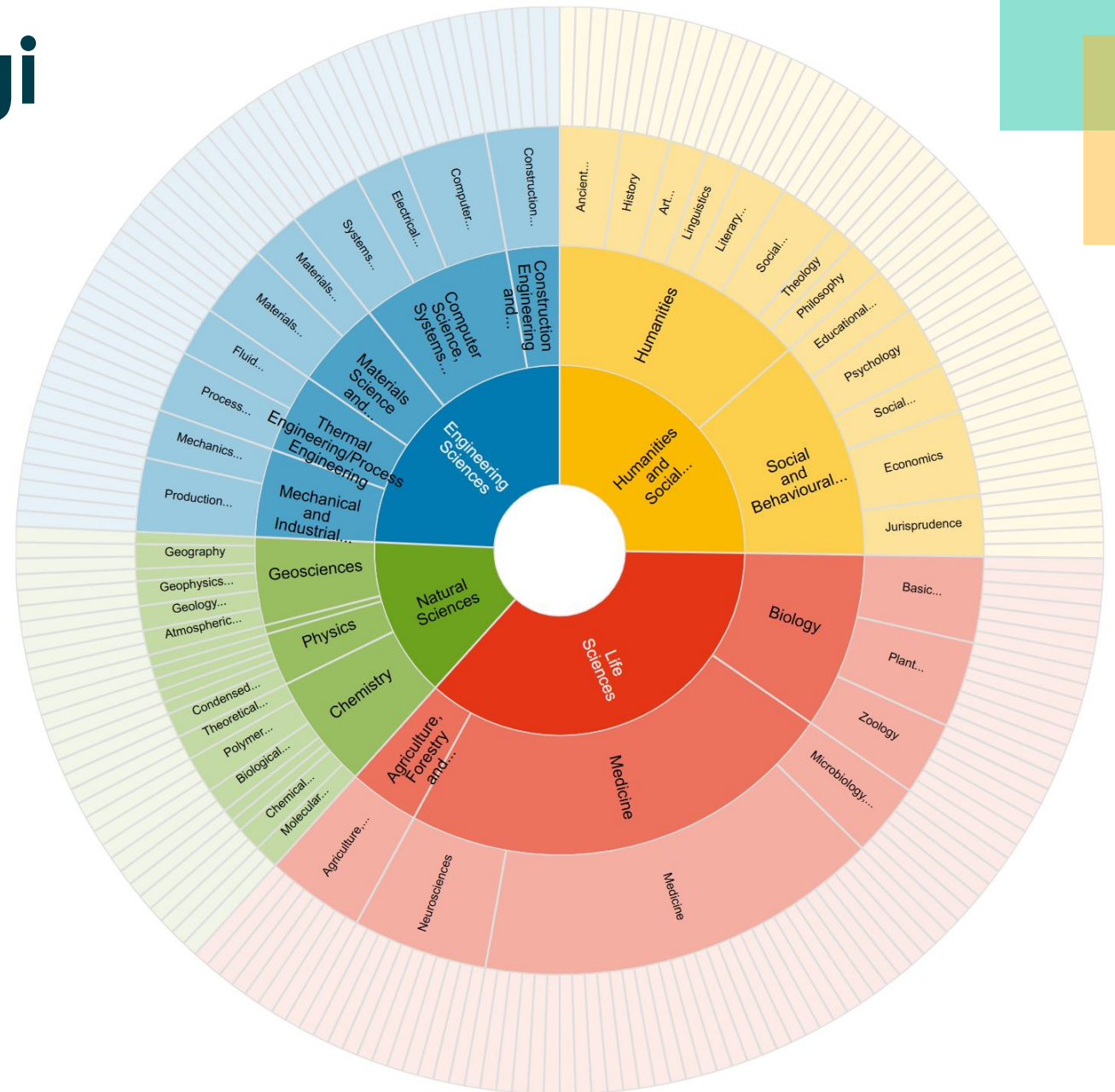
- Starpnieki starp autoriem un lietotājiem
- Palīgi
 - datu meklēšanā
 - datu deponēšanā
 - metadatu kvalitātes nodrošināšanā
- Institucionālo repozitoriju redaktori/administratori

Repozitoriju katalogi







Atrast repozitorijus pa šādām platformām:

- [re3data](#)
- [FAIRsharing](#)
- [OpenAIRE Explore](#)

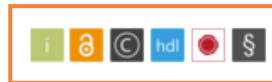
Iespējams meklēt pēc zinātņu nozares vai valsts



CLARIN-LV - Latvijas pētniecības datu repozitorijs valodas resursos un digitālajās humanitārajās zinātnēs

-  Repozitorijs sniedz informāciju savā tīmekļa vietnē
-  Repozitorijs nodrošina atvērtu piekļuvi saviem datiem
-  Repozitorijs piedāvā norādīt datiem licences un aprakstīt lietošanas noteikumus
-  Repozitorijs piešķir pastāvīgu unikālu identifikatoru
-  Repozitorijs ir sertificēts vai atbalsta standartus
-  Repozitorijs nodrošina datu politiku

CLARIN-LV repository



General Institutions Terms Standards

Name of repository	CLARIN-LV repository
Additional name(s)	CLARIN Latvia repository
Repository URL	https://repository.clarin.lv/repository/xmlui/
Subject(s)	Humanities and Social Sciences Humanities Linguistics Engineering Sciences Computer Science, Systems and Electrical Engineering Computer Science Artificial Intelligence and Machine Learning Methods
Description	CLARIN-LV is a national node of Clarin ERIC (Common Language Resources and Technology Infrastructure). The mission of the repository is to ensure the availability and long term preservation of language resources. The data stored in the repository are being actively used and cited in scientific publications.
Contact(s)	support: info@clarin.lv support: https://www.clarin.lv/lv/kontakti
Content type(s)	dataset image software text
Certificate(s)	CLARIN certificate B Start date 2023-01-16 End date 2026-01-16 CoreTrustSeal Start date 2023-01-17 End date 2026-01-16
Keyword(s)	Latvian computational linguistics corpora language resources lexicons natural language processing speech text
Repository type(s)	disciplinary
Mission statement for designated community	https://repository.clarin.lv/repository/xmlui/page/about#mission-statement

Datu repozitoriju veidi

- Nozarē specializētie
- Vispārējie jeb daudznozaru
- Institucionālie
- Nacionālie

The
Dataverse[®]
Project

zenodo

Search...

- Ceļvedis
- Atvērtā zinātne
- Pētījumu plānošana
- Datu vākšana
- Datu apstrāde un analīze
- Ilgtermiņa saglabāšana un kopīgošana
- Datu atkalkulācija**
- Datu kopu meklēšana
- Sekundāro datu izmantošana pētniecībā
- Datu kopu citēšana
- Palīdzība pētniecības datu pārvaldībā



Datu kopu meklēšana

Vispārējie vai nozaru pētniecības datu repozitoriji ir labs sākuma punkts, taču informāciju pētījumiem iespējams meklēt arī citos datu avotos. Sekundārie dati, ko izmantot pētījumiem, var būt pieejami, piemēram, valsts pārvaldes un centrālās statistikas datu portālos, pašvaldību tīmekļa vietnēs u. c. avotos.

Latvijas atvērto datu avoti

Zemāk apkopoti atvērto datu avoti Latvijā. Šis saraksts nebūt neietver visas iespējamās sekundāro datu ieguves vietas, bet sniedz ieskatu, kur meklēt pētījumiem izmantojamus datus.

Avots	Paskaidrojums
DataverseLV	Latvijas Nacionālais pētniecības datu repozitorijs
Latvijas Atvērto datu portāls	Latvijas Valsts pārvaldes atvērte dati
Oficiālās statistikas portāls	Centrālās statistikas pārvaldes dati
CSDD	Ceļu Satiksmes Drošības Direkcijas dati
Garamantas.lv	Latviešu folkloras krātuves digitālais arhīvs
Latvijas Bankas interneta statistikas datubāze	Latvijas Bankas datubāze
Valsts Vienotā datorizētā zemesgrāmata	Nekustamo īpašumu īpašnieki un tiesību ierakstu datubāze
Latvijas Ģeotelpiskās informācijas aģentūra	Latvijas karšu un toponīmu datubāze
LVM GEO	Latvijas karšu datubāze
LVGMC	Latvijas Vides, ģeoloģijas un meteoroloģijas centra dati
Dabas dati	Latvijas dzīvnieku novērojumu dati

Starptautiskie atvērto datu avoti

Pasaulē ir ārkārtīgi daudz dažādu datu avotu – nozaru un daudznozaru repozitoriji, dažādas starptautisko organizāciju datu bāzes utt. Lai atvieglotu datu kopu meklēšanu, iespējams izmantot [OpenAIRE Explore](#) un citus rīkus, kuros ietvertas datu kopas no vairāk nekā viena datu avota.

Avots	Paskaidrojums
OpenAIRE Explore	Meklēšanas rīks datu kopām no plaša starptautisku repozitoriju klāsta (tajā skaitā Zenodo, figshare u. c.).
Google Dataset search	Google meklētājprogramma, kas atrod datu kopas no datu krātuvēm, izdevēju vietnēm, digitālajām bibliotēkām un dažādām tīmekļa lapām.

Pētniecības datu pārvaldības ceļvedis



Nozaru datu repozitoriji

NOMAD – repozitorijs aprēķinu materiālzinātnei, kas indeksē datus no modelēšanas programmām



Cambridge Structural Database – repozitorijs molekulu kristālu struktūrām



Dryad – vispārīgs repozitorijs, ko plaši izmanto bioloģijā



PANGAEA – repozitorijs ģeozinātnes, vides un klimata datiem no starptautiskiem pētījumiem



PANGAEA.

Platformas programmas koda publicēšanai

Programmas kodam

salīdzinājumā ar cita veida pētniecības datiem ir:

- specifiski metadati un standarti:
 - Codemeta, Schema.org, CFF
- sarežģītāka failu struktūra
- daudz lielākā nozīme versiju kontrolei
- lielākas prasības sadarbības iespējām (ērtāka koplietošana)
- specifiskas licences:
 - MIT, GPL, Apache

Izstrādei un sadarbībai



Atbalsta izstrādes procesu
Atbalsta sadarbību un koplietošanu
Nepiešķir PID
Nav domāts datu meklēšanai



DataverseLV

Datu kopas (+ analīzes kods, Py, R skripti, Jupiter Notebooks)
Piešķir DOI



Integrēts ar GitHub
Var atlasīt pēc *Software*
Piešķir DOI

Publicēšanai

Arhivēšanai



Software Heritage

Arhivē programmatūras kodu un tā izstrādes vēsturi
Piešķir SWHID
Meklēšana ir apgrūtināta

Repozitoriju salīdzinājums

DataverseLV – Latvijas nacionālais pētniecības datu repozitorijs

Zenodo – starptautisks daudznozaru zinātnisko resursu repozitorijs

Abi repozitoriji nodrošina datu atrodamību un saglabāšanu ilgtermiņā, piedāvā pakalpojumus datu atbilstībai FAIR un atkārtotai izmantošanai, tostarp DOI piešķiršanu, versiju kontroli, sasaisti ar citiem rezultātiem; gan autoriem, gan lietotājiem ir bez maksas

- Uztur VPC
- Programmatūra: Dataverse (atvērtais kods; sākotnēji izstrādāja Hārvarda Universitāte)
- Fokusēts uz **Latvijas pētījumu datiem**, stiprina Latvijas atvērtās zinātnes ekosistēmu
- Saturs: **datu kopas**
- Metadatu eksports: Dublin Core, DDI (nozaru informācijai), DataCite, OAI_ORE, Schema.org
- Integrācija: OpenAIRE Explore, Google Dataset u.c.
- **Kvalitātes kontroli nodrošina Latvijas kuratoru tīkls**

- Uztur **CERN** sadarbībā ar OpenAIRE
- Programmatūra: Invenio
- Nodrošina globālu zinātnes rezultātu izplatīšanu, **atbalsta ES projektus (Horizon Europe)**
- Saturs: ļoti daudzveidīgs - zinātniskas publikācijas, datu kopas, programmatūra, prezentācijas, ziņojumi u.c.
- Metadatu eksports: DataCite, Dublin Core, MARC, DCAT, Codemeta
- Integrācija: OpenAIRE Explore, Argos, GitHub u.c.
- Kvalitāte atkarīga no deponētāja kompetences

Dati zinātniskajos rakstos

- **Data Availability Statement** - paskaidro, kur un kā var piekļūt pētījuma datiem
- **Supplementary Data** - papildu materiāli, kas pievienoti zinātniskam rakstam un satur detalizētākus datus, metodes un analīzes
- **Rights and permissions** – paskaidro, kā drīkst izmantot rakstu un ar to saistītos datus

Rights and permissions

Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>.

Bioremediation of lunar regolith simulant through mycorrhizal fungi and plant symbioses enables chickpea to seed

Article | Open access | Published: 05 March 2026

Volume 16, article number 7498, (2026) | [Cite this article](#)



Scientific Reports

Data availability

All data accompanying this manuscript can be found in Atkin, J., & Oliveira Pedro dos Santos, S. (2025). Bioremediation of Lunar Regolith Simulant Through Mycorrhizal Fungi and Plant Symbioses Enables Chickpea to Seed [Data set]. Zenodo. <https://doi-org.resursi.rtu.lv/10.5281/zenodo.17252917>

Supplementary Information

[Supplementary Information. \(download PDF ↓\)](#)

fresh nutrition, reducing reliance on packaged foods. Using Lunar regolith simulant (LRS),

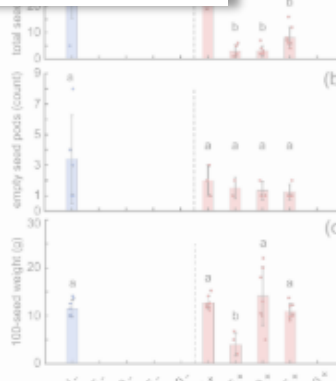
average extension of two weeks in survival compared to non-inoculated plants. AMF in all mixtures, including 100% LRS, demonstrating the ability to thrive under extreme conditions. We also observed improvement in the growth of LRS by forming aggregates capable of withstanding extreme conditions by mitigating particle-related hazards. These results provide a pathway for establishing and yield in amended LRS while demonstrating the benefits of AMF in regolith properties.

subjects

Articles, books and news in related subjects, suggested using machine learning.

[Soil Chemistry](#) [Plant Materials](#) [Planting Field Trials](#)

[Science](#) [In-Situ Resource Utilization for Lunar Construction](#)



[View in article](#)

[Full size image](#)

Datu žurnāli

- Publicē **datu apraksta rakstus** (data papers)
- Piemēri:
 - [Scientific Data](#) (izdevējs Nature)
 - [Data in Brief](#) (izdevējs Elsevier)

- Datu žurnāli salīdzinājumā ar repozitorijiem:
 - augstāka detalizācija
 - recenzēšana (peer review)
 - akcents uz interpretāciju un dokumentēšanu, nevis uzglabāšanu un piekļuvi

Avots: <https://doi.org/10.1016/j.dib.2023.109468>

Outline

Abstract

Keywords

1. Value of the Data

2. Data Description

2.1. Description of Pomegranate Growth Stages

2.1.1. Bud

2.1.2. Flower

2.1.3. Early-fruit

2.1.4. Mid-growth

2.1.5. Mature

2.2. Significance of the Dataset

2.3. Description of Dataset Folders

2.3.1. JPEGImages Folder

2.3.2. Annotations Folder

2.3.3. Labels Folder

2.3.4. ImageSets Folder

3. Experimental Design, Materials and Methods

3.1. Experimental Process

3.2. Pre Work

3.3. Physical Capture of Images

3.4. Validation of Images in the Dataset

3.5. Summary and Outlook

Limitations

Ethics Statement

CRediT authorship contribution statement

Declaration of Competing Interest

Acknowledgements

Data Availability

References



Data in Brief
Volume 50, October 2023, 109468



Data Article

A dataset of pomegranate growth stages for machine learning-based monitoring and analysis

Jifei Zhao, Rolla Almodfer, Xiaoying Wu, Xinfu Wang

Show more

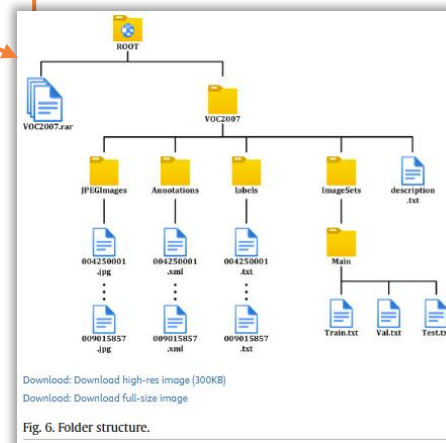
+ Add to Mendeley Share Cite

<https://doi.org/10.1016/j.dib.2023.109468>

Get rights and content

Under a Creative Commons license

Open access



own very rapidly in recent years and are a major requirement for building and minimizing misclassification in real-world scenarios. This study created a dataset of images of pomegranate growth stages were taken from May to August 2022 at the Institute of Science and Technology in Hainan. The growth stages: bud, flower, early-fruit, mid-growth, and mature, which respectively store the images, two-fold cross-validation, and usability of this dataset through previous

research. The dataset may help researchers develop computer applications using machine learning and computer vision algorithms.

< Previous article in issue

Next article in issue >

Keywords

Pomegranate growth period detection; Image classification; Image Detection; Feature extraction

Datu meklētājprogrammas

- [Google Dataset search](#)
- [OpenAIRE Explore](#)
 - atlasīt pēc *Dataset*

Google

dataverse.lv

Last updated Download format Usage rights Topic Provider Free

26 datasets found

D Dataset for Land Use and Production Practices Shape...
dv.dataverse.lv
bin, txt
Updated Oct 24, 2025

D Higher education students entry characteristics and...
dv.dataverse.lv
text/markdown, tsv
Updated Jun 3, 2025

Dataset for Land Use and Production Practices Shape

Explore at: [DataverseLV | dv.dataverse.lv](#)

txt(3718), bin(15339520)

Unique identifier

<https://doi.org/10.71782/DATA/PFT360>

Dataset updated

Oct 24, 2025

Dataset provided by

DataverseLV

https://explore.openaire.eu/search/find?f0=q&fv0=mark...

OpenAIRE | EXPLORE Search Deposit Link Data sources Funders

Advanced search

marketing

RESEARCH PRODUCTS (25) PROJECTS (2K) DATA SOURCES (440) ORGANIZATIONS (1K)

Sort by Relevance

Filters [Clear All](#)

Access [Clear](#)

- Open Access
- Closed Access
- Restricted
- Open Source
- Embargo

Type [Clear](#)

- Publications
- Research Data
- Research Software
- Other Research Products

Document Type [Clear](#)

- Dataset (25)

Year range

1800 - 2035

25 Research Products for marketing

[Open Access](#) [Research Data](#) [Dataset](#) [European Commission](#)

Data set and classification method for low quality web traffic identification in video marketing campaigns

[Research Data](#) >> Dataset • 2023 • Publisher: Zenodo • Funded by: EC | AI4Media

Authors: [Perales, Fernando](#); [Lopez, Marta](#);
DOI: [10.5281/zenodo.7965792](https://doi.org/10.5281/zenodo.7965792), [10.5281/zenodo.7965793](https://doi.org/10.5281/zenodo.7965793)

Final outcomes of the InPreVi (AI4Media) project developed in 2022. 1. Data set describing the statistics of the video marketing campaigns 2. Script for web traffic classification

[ZENODO](#) [Link to](#) [Share](#) [Cite](#) [Claim](#)

ROSETTA European and international public Food Marketing Standards

[Research Data](#) >> Dataset • Publisher: Zenodo • Funded by: EC | ROSETTA

Authors: [Makri, Katerina](#);
DOI: [10.5281/zenodo.17551922](https://doi.org/10.5281/zenodo.17551922)

The Public Marketing Standards Dataset compiles a comprehensive collection of European and international public marketing standards relevant to the four food commodities under study in the ROSETTA Project (Grant Agreement...)

[ZENODO](#) [Link to](#) [Share](#) [Cite](#) [Claim](#)

[HELP](#)

FoodLAND - Survey and experimental dataset from marketing tests in Tanzania



Kā orientēties datu kopā un metadatos?

Kā orientēties pētījumu datu kopās?

Datu repozitorija ieraksts satur:

- **Metadatus** – informē īsumā par pētījumu, tā autoriem, par datu kopām un citiem ar pētījumu saistītiem rezultātiem, par datu kopu un citu rezultātu piekļuvi, kā arī tālākas izmantošanas nosacījumiem
- **Datu kopu datnes** – apstrādāti dati (var būt pievienotas vairākas versijas)
- **Dokumentācijas datnes** – palīdz orientēties datu kopās
- **Bibliogrāfisko norādi** – atsaukšanās vajadzībām var iekopēt savā rakstu darbā
- **DOI** ar nemainīgu saiti
- **Datu kopu izmantošanas statistiku** – dod priekšstatu par pētījuma rezultātu atpazīstamību un aktualitāti

Metadatu lauki

DataverseLV

Pamatā ir **DataCite**, **DDI** metadatu standarti

Domēnspecifiskie metadati

Geospatial Metadata ▾

Social Science and Humanities Metadata ▾

Astronomy and Astrophysics Metadata ▾

Life Sciences Metadata ▾

Journal Metadata ▾

Citēšanas
(aprakstošie)
metadati

Dataverse Search User Guide Support English Oksana Zaiceva

Citation Metadata

Title

Author

Name Zaiceva, Oksana	Affiliation Riga Technical University
--------------------------------	---

Identifier Type
Select...

Identifier

Point of Contact

Name Zaiceva, Oksana	Affiliation Riga Technical University
--------------------------------	---

E-mail
oksana.zaiceva@rtu.lv

Description

This field supports only certain HTML tags.

Text

Date
YYYY-MM-DD

Subject

Keyword

Term <input type="text"/>	Term URI https://
-------------------------------------	-----------------------------

Controlled Vocabulary Name <input type="text"/>	Controlled Vocabulary URL https://
---	--

Related Publication

Relation Type
Select...

Citation

Identifier Type
Select...

Identifier

URL
https://

Notes

Producer

One or more of these fields may become required if you add to one or more of these optional fields.

Name 1) FamilyName, GivenName or 2) Orgaz	Affiliation Organization XYZ
---	--

Abbreviated Name

URL
https://

Logo URL
https://

Depositor
Zaiceva, Oksana

Deposit Date
2025-02-16

Informācijas avots – **ReadMe fails**

1. **Datu kopas apraksts**

- Nosaukums:
- Apraksts:
- Faila formāts:
- Valoda:
- Atslēgasvārdi:
- Saistītās datu kopas:

2. **Autori un kontaktinformācija**

- Galvenais pētnieks:
- Kontaktpersona:

3. **Datu ievākšana**

- Ievākšanas periods:
- Ģeogrāfiskā lokācija:
- Faila izveides vai modifikācijas datums:
- Datu modifikācijas metodes:

4. **Datu apstrāde un kvalitāte**

- Datu ievākšanas metodes:
- Informācija par mērinstrumentiem un metodēm:
- Datu kvalitātes kontrole:
- Trūkstošo vērtību apzīmējums:
- Personas, kas iesaistītas datu ievākšanā, apstrādē un analīzē:

5. **Datu struktūra (kodu grāmata)**

- Kolonnas nosaukums | Apraksts | Vērtības | Pieraksti

6. **Piekļuves tiesības**

- Datu licence un lietošanas nosacījumi:

7. **Saistītās publikācijas un avoti**



dataverse.lv/readme

Piemērs: DataverseLV

Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash

Version 1.0



Kononova, Olga, 2025, "Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash", <https://doi.org/10.71782/DAT/EXORM9>, DataverseLV, V1, UNF:6:6hOerg0xzSTAzwUYE3dvdw== (fileUNF)

Cite Dataset ▾

Learn about [Data Citation Standards](#).

Access Dataset ▾

Contact Owner

Share

Dataset Metrics ⓘ

9 Downloads ⓘ

Description ⓘ

This dataset contains results of tensile (tension) testing performed on epoxy resin specimens reinforced with oil shale ash (OSA), which is an industrial by-product explored as a sustainable additive for improving concrete performance and reducing environmental impact. The tests were conducted to investigate the effect of OSA addition on the stress-strain behavior of the composite material. The data include measured strain and corresponding stress values (in Pa) for a particular material composition and sample number given below. Epoxy Resin: 0% Oil Shale Ash (by weight) - Material 1 Samples 1-3 Epoxy Resin: 10% Oil Shale Ash (by weight) - Material 2 Samples 1-7 Epoxy Resin: 20% Oil Shale Ash (by weight) - Material 3 Samples 1-7 Epoxy Resin: 30% Oil Shale Ash (by weight) - Material 4 Samples 1-7 Epoxy Resin: 40% Oil Shale Ash (by weight) - Material 5 Samples 1-7 Epoxy Resin: 50% Oil Shale Ash (by weight) - Material 6 Samples 1-4 (2025-10-20)

Subject ⓘ

Engineering

Keyword ⓘ

tension, stress, strain, composite material, epoxy resin, oil shale ash

Related Publication ⓘ

Kononova, O.; Krasnikovs, A.; Jafarli, I.; Novakova, I.; Gulik, V.; Vaišnoras, M. Effective Mechanical Properties of a Composite Material Reinforced by Oil Shale Ash Particles. Appl. Sci. 2025, 15, 1281. <https://doi.org/10.3390/app15031281>doi: 10.3390/app15031281

License/Data Use Agreement



[CC BY 4.0](#)

Files

Metadata

Terms

Versions

Search this dataset...



Filter by

File Type: All ▾

Access: All ▾

Sort ▾

1 to 2 of 2 Files

Download ▾



EpoxyResin_OSA_DATA.tab

Tabular Data - 122.7 KB

Published Oct 20, 2025

5 Downloads

4 Variables, 4935 Observations UNF:6:6hOe...vdw==

DATA



EpoxyResin_OSA_README.txt

Plain Text - 2.8 KB

Published Oct 20, 2025

4 Downloads

MD5: bbd...2f2

README



Piemērs: DataverseLV

Aprakstošie metadati

Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash

Version 1.0



Kononova, Olga, 2025, "Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash", <https://doi.org/10.71782/DAT/EXORM9>, DataverseLV, V1, UNF:6:6hOerg0xzSTAzwUYE3dvdw== (fileUNF)

Cite Dataset ▾

Learn about [Data Citation Standards](#).

Access Dataset ▾

Contact Owner

Share

Dataset Metrics ⓘ

9 Downloads ⓘ

Description ⓘ

This dataset contains results of tensile (tension) testing performed on epoxy resin specimens reinforced with oil shale ash (OSA), which is an industrial by-product explored as a sustainable additive for improving concrete performance and reducing environmental impact. The tests were conducted to investigate the effect of OSA addition on the stress-strain behavior of the composite material. The data include measured strain and corresponding stress values (in Pa) for a particular material composition and sample number given below. Epoxy Resin: 0% Oil Shale Ash (by weight) - Material 1 Samples 1-3 Epoxy Resin: 10% Oil Shale Ash (by weight) - Material 2 Samples 1-7 Epoxy Resin: 20% Oil Shale Ash (by weight) - Material 3 Samples 1-7 Epoxy Resin: 30% Oil Shale Ash (by weight) - Material 4 Samples 1-7 Epoxy Resin: 40% Oil Shale Ash (by weight) - Material 5 Samples 1-7 Epoxy Resin: 50% Oil Shale Ash (by weight) - Material 6 Samples 1-4 (2025-10-20)

Subject ⓘ

Engineering

Keyword ⓘ

tension, stress, strain, composite material, epoxy resin, oil shale ash

Related Publication ⓘ

Kononova, O.; Krasnikovs, A.; Jafarli, I.; Novakova, I.; Gulik, V.; Vaišnoras, M. Effective Mechanical Properties of a Composite Material Reinforced by Oil Shale Ash Particles. Appl. Sci. 2025, 15, 1281. <https://doi.org/10.3390/app15031281>doi: 10.3390/app15031281

License/Data Use Agreement



CC BY 4.0

Files Metadata Terms Versions

Search this dataset...




Filter by

File Type: All ▾ Access: All ▾


Sort ▾

1 to 2 of 2 Files

Download ▾

 **EpoxyResin_OSA_DATA.tab**
Tabular Data - 122.7 KB
Published Oct 20, 2025
5 Downloads
4 Variables, 4935 Observations UNF:6:6hOe...vdw== DATA



 **EpoxyResin_OSA_README.txt**
Plain Text - 2.8 KB
Published Oct 20, 2025
4 Downloads
MD5: bbd...2f2 README



Piemērs: DataverseLV

 Aprakstošie metadati

 Licences informācija

Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash

Version 1.0



Kononova, Olga, 2025, "Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash", <https://doi.org/10.71782/DAT/EXORM9>, DataverseLV, V1, UNF:6:6hOerg0xzSTAzwUYE3dvdw== (fileUNF)

Cite Dataset ▾

Learn about [Data Citation Standards](#).

Access Dataset ▾

Contact Owner

Share

Dataset Metrics ⓘ

9 Downloads ⓘ

Description ⓘ

This dataset contains results of tensile (tension) testing performed on epoxy resin specimens reinforced with oil shale ash (OSA), which is an industrial by-product explored as a sustainable additive for improving concrete performance and reducing environmental impact. The tests were conducted to investigate the effect of OSA addition on the stress-strain behavior of the composite material. The data include measured strain and corresponding stress values (in Pa) for a particular material composition and sample number given below. Epoxy Resin: 0% Oil Shale Ash (by weight) - Material 1 Samples 1-3 Epoxy Resin: 10% Oil Shale Ash (by weight) - Material 2 Samples 1-7 Epoxy Resin: 20% Oil Shale Ash (by weight) - Material 3 Samples 1-7 Epoxy Resin: 30% Oil Shale Ash (by weight) - Material 4 Samples 1-7 Epoxy Resin: 40% Oil Shale Ash (by weight) - Material 5 Samples 1-7 Epoxy Resin: 50% Oil Shale Ash (by weight) - Material 6 Samples 1-4 (2025-10-20)

Subject ⓘ

Engineering

Keyword ⓘ

tension, stress, strain, composite material, epoxy resin, oil shale ash

Related Publication ⓘ

Kononova, O.; Krasnikovs, A.; Jafarli, I.; Novakova, I.; Gulik, V.; Vaišnoras, M. Effective Mechanical Properties of a Composite Material Reinforced by Oil Shale Ash Particles. Appl. Sci. 2025, 15, 1281. <https://doi.org/10.3390/app15031281>doi: 10.3390/app15031281

License/Data Use Agreement



CC BY 4.0

Files

Metadata

Terms

Versions

Search this dataset...



Filter by

File Type: All ▾

Access: All ▾

Sort ▾

1 to 2 of 2 Files

Download ▾



EpoxyResin_OSA_DATA.tab

Tabular Data - 122.7 KB

Published Oct 20, 2025

5 Downloads

4 Variables, 4935 Observations UNF:6:6hOe...vdw== DATA



EpoxyResin_OSA_README.txt

Plain Text - 2.8 KB

Published Oct 20, 2025

4 Downloads

MD5: bbd...2f2

README



Piemērs: DataverseLV

 Aprakstošie metadati

 Licences informācija

 Bibliogrāfiskā norāde

Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash

Version 1.0



Kononova, Olga, 2025, "Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash", <https://doi.org/10.71782/DAT/EXORM9>, DataverseLV, V1, UNF:6:6hOerg0xzSTAzwUYE3dvdw== (fileUNF)

Cite Dataset ▾

Learn about [Data Citation Standards](#).

Access Dataset ▾

Contact Owner

Share

Dataset Metrics ⓘ

9 Downloads ⓘ

Description ⓘ

This dataset contains results of tensile (tension) testing performed on epoxy resin specimens reinforced with oil shale ash (OSA), which is an industrial by-product explored as a sustainable additive for improving concrete performance and reducing environmental impact. The tests were conducted to investigate the effect of OSA addition on the stress-strain behavior of the composite material. The data include measured strain and corresponding stress values (in Pa) for a particular material composition and sample number given below. Epoxy Resin: 0% Oil Shale Ash (by weight) - Material 1 Samples 1-3 Epoxy Resin: 10% Oil Shale Ash (by weight) - Material 2 Samples 1-7 Epoxy Resin: 20% Oil Shale Ash (by weight) - Material 3 Samples 1-7 Epoxy Resin: 30% Oil Shale Ash (by weight) - Material 4 Samples 1-7 Epoxy Resin: 40% Oil Shale Ash (by weight) - Material 5 Samples 1-7 Epoxy Resin: 50% Oil Shale Ash (by weight) - Material 6 Samples 1-4 (2025-10-20)

Subject ⓘ

Engineering

Keyword ⓘ

tension, stress, strain, composite material, epoxy resin, oil shale ash

Related Publication ⓘ

Kononova, O.; Krasnikovs, A.; Jafarli, I.; Novakova, I.; Gulik, V.; Vaišnoras, M. Effective Mechanical Properties of a Composite Material Reinforced by Oil Shale Ash Particles. Appl. Sci. 2025, 15, 1281. <https://doi.org/10.3390/app15031281>doi: 10.3390/app15031281

License/Data Use Agreement



CC BY 4.0

Files

Metadata

Terms

Versions

Search this dataset...



Filter by

File Type: All ▾

Access: All ▾

Sort ▾

1 to 2 of 2 Files

Download ▾



EpoxyResin_OSA_DATA.tab

Tabular Data - 122.7 KB

Published Oct 20, 2025

5 Downloads

4 Variables, 4935 Observations UNF:6:6hOe...vbw== DATA



EpoxyResin_OSA_README.txt

Plain Text - 2.8 KB

Published Oct 20, 2025





4 Downloads

MD5: bbd...2f2

README



Piemērs: DataverseLV

-  Aprakstošie metadati
-  Licences informācija
-  Bibliogrāfiskā norāde
-  Izmantošanas statistika

Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash

Version 1.0



Kononova, Olga, 2025, "Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash", <https://doi.org/10.71782/DAT/EXORM9>, DataverseLV, V1, UNF:6:6hOerg0xzSTAzwUYE3dvdw== (fileUNF)

Cite Dataset ▾

Learn about [Data Citation Standards](#).

Access Dataset ▾

Contact Owner

Share

Dataset Metrics ⓘ

9 Downloads ⓘ

Description ⓘ

This dataset contains results of tensile (tension) testing performed on epoxy resin specimens reinforced with oil shale ash (OSA), which is an industrial by-product explored as a sustainable additive for improving concrete performance and reducing environmental impact. The tests were conducted to investigate the effect of OSA addition on the stress-strain behavior of the composite material. The data include measured strain and corresponding stress values (in Pa) for a particular material composition and sample number given below. Epoxy Resin: 0% Oil Shale Ash (by weight) - Material 1 Samples 1-3 Epoxy Resin: 10% Oil Shale Ash (by weight) - Material 2 Samples 1-7 Epoxy Resin: 20% Oil Shale Ash (by weight) - Material 3 Samples 1-7 Epoxy Resin: 30% Oil Shale Ash (by weight) - Material 4 Samples 1-7 Epoxy Resin: 40% Oil Shale Ash (by weight) - Material 5 Samples 1-7 Epoxy Resin: 50% Oil Shale Ash (by weight) - Material 6 Samples 1-4 (2025-10-20)

Subject ⓘ

Engineering

Keyword ⓘ

tension, stress, strain, composite material, epoxy resin, oil shale ash

Related Publication ⓘ

Kononova, O.; Krasnikovs, A.; Jafarli, I.; Novakova, I.; Gulik, V.; Vaišnoras, M. Effective Mechanical Properties of a Composite Material Reinforced by Oil Shale Ash Particles. Appl. Sci. 2025, 15, 1281. <https://doi.org/10.3390/app15031281>doi: 10.3390/app15031281

License/Data Use Agreement



CC BY 4.0

Files Metadata Terms Versions

Search this dataset...




Filter by

File Type: All ▾ Access: All ▾


Sort ▾

1 to 2 of 2 Files

Download ▾

 EpoxyResin_OSA_DATA.tab
Tabular Data - 122.7 KB
Published Oct 20, 2025
5 Downloads
4 Variables, 4935 Observations UNF:6:6hOe...vbw== DATA



 EpoxyResin_OSA_README.txt
Plain Text - 2.8 KB
Published Oct 20, 2025
4 Downloads
MD5: bbd...2f2 README



Piemērs: DataverseLV

- Aprakstošie metadati
- Licences informācija
- Bibliogrāfiskā norāde
- Izmantošanas statistika
- Datu kopas datnes, ieskaitot **ReadMe**

Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash

Version 1.0



Kononova, Olga, 2025, "Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash", <https://doi.org/10.71782/DAT/EXORM9>, DataverseLV, V1, UNF:6:6hOerg0xzSTAzwUYE3dvdw== (fileUNF)

Cite Dataset ▾

Learn about [Data Citation Standards](#).

Access Dataset ▾

Contact Owner

Share

Dataset Metrics ⓘ

9 Downloads ⓘ

Description ⓘ

This dataset contains results of tensile (tension) testing performed on epoxy resin specimens reinforced with oil shale ash (OSA), which is an industrial by-product explored as a sustainable additive for improving concrete performance and reducing environmental impact. The tests were conducted to investigate the effect of OSA addition on the stress-strain behavior of the composite material. The data include measured strain and corresponding stress values (in Pa) for a particular material composition and sample number given below. Epoxy Resin: 0% Oil Shale Ash (by weight) - Material 1 Samples 1-3 Epoxy Resin: 10% Oil Shale Ash (by weight) - Material 2 Samples 1-7 Epoxy Resin: 20% Oil Shale Ash (by weight) - Material 3 Samples 1-7 Epoxy Resin: 30% Oil Shale Ash (by weight) - Material 4 Samples 1-7 Epoxy Resin: 40% Oil Shale Ash (by weight) - Material 5 Samples 1-7 Epoxy Resin: 50% Oil Shale Ash (by weight) - Material 6 Samples 1-4 (2025-10-20)

Subject ⓘ

Engineering

Keyword ⓘ

tension, stress, strain, composite material, epoxy resin, oil shale ash

Related Publication ⓘ

Kononova, O.; Krasnikovs, A.; Jafarli, I.; Novakova, I.; Gulik, V.; Vaišnoras, M. Effective Mechanical Properties of a Composite Material Reinforced by Oil Shale Ash Particles. Appl. Sci. 2025, 15, 1281. <https://doi.org/10.3390/app15031281>doi: 10.3390/app15031281

License/Data Use Agreement



CC BY 4.0

Files Metadata Terms Versions

Search this dataset...



Filter by

File Type: All ▾ Access: All ▾

Sort ▾

1 to 2 of 2 Files

Download ▾



EpoxyResin_OSA_DATA.tab

Tabular Data - 122.7 KB

Published Oct 20, 2025

5 Downloads

4 Variables, 4935 Observations UNF:6:6hOe...vdw== DATA



EpoxyResin_OSA_README.txt

Plain Text - 2.8 KB

Published Oct 20, 2025

4 Downloads

MD5: bbd...2f2

README



Piemērs: DataverseLV

Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash

Version 1.0



Kononova, Olga, 2025, "Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash", <https://doi.org/10.71782/DAT/EXORM9>, DataverseLV, V1, UNF:6:6hOerg0xzSTAzwUYE3dvdw== (fileUNF)

Cite Dataset -

Learn about [Data Citation Standards](#).

Access Dataset -

Contact Owner

Share

Dataset Metrics ?

9 Downloads ?

Description ?

This dataset contains results of tensile (tension) testing performed on epoxy resin specimens reinforced with oil shale ash (OSA), which is an industrial by-product explored as a sustainable additive for improving concrete performance and reducing environmental impact. The tests were conducted to investigate the effect of OSA addition on the stress-strain behavior of the composite material. The data include measured strain and corresponding stress values (in Pa) for a particular material composition and sample number given below. Epoxy Resin: 0% Oil Shale Ash (by weight) - Material 1 Samples 1-3 Epoxy Resin: 10% Oil Shale Ash (by weight) - Material 2 Samples 1-7 Epoxy Resin: 20% Oil Shale Ash (by weight) - Material 3 Samples 1-7 Epoxy Resin: 30% Oil Shale Ash (by weight) - Material 4 Samples 1-7 Epoxy Resin: 40% Oil Shale Ash (by weight) - Material 5 Samples 1-7 Epoxy Resin: 50% Oil Shale Ash (by weight) - Material 6 Samples 1-4 (2025-10-20)

Subject ?

Engineering

Keyword ?

tension, stress, strain, composite material, epoxy resin, oil shale ash

Related Publication ?

Kononova, O.; Krasnikovs, A.; Jafarli, I.; Novakova, I.; Gulik, V.; Vaišnoras, M. Effective Mechanical Properties of a Composite Material Reinforced by Oil Shale Ash Particles. Appl. Sci. 2025, 15, 1281. <https://doi.org/10.3390/app15031281>doi: 10.3390/app15031281

License/Data Use Agreement



CC BY 4.0

Files Metadata Terms Versions

Search this dataset...



Filter by

File Type: All

Access: All

Sort

1 to 2 of 2 Files

Download



EpoxyResin_OSA_DATA.tab

Tabular Data - 122.7 KB

Published Oct 20, 2025

5 Downloads

4 Variables, 4935 Observations UNF:6:6hOe...vbw== DATA



EpoxyResin_OSA_README.txt

Plain Text - 2.8 KB

Published Oct 20, 2025

4 Downloads

MD5: bbd...2f2 README



- Aprakstošie metadati
- Licences informācija
- Bibliogrāfiskā norāde
- Izmantošanas statistika
- Datu kopas datnes, ieskaitot **ReadMe**
- Versiju informācija

Piemērs: DataverseLV

Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash

Version 1.0



Kononova, Olga, 2025, "Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash", <https://doi.org/10.71782/DAT/EXORM9>, DataverseLV, V1, UNF:6:6hOerg0xzSTAzwUYE3dvdw== (fileUNF)

Cite Dataset -

Learn about [Data Citation Standards](#).

Access Dataset -

Contact Owner

Share

Dataset Metrics ?

9 Downloads ?

Description ?

This dataset contains results of tensile (tension) testing performed on epoxy resin specimens reinforced with oil shale ash (OSA), which is an industrial by-product explored as a sustainable additive for improving concrete performance and reducing environmental impact. The tests were conducted to investigate the effect of OSA addition on the stress-strain behavior of the composite material. The data include measured strain and corresponding stress values (in Pa) for a particular material composition and sample number given below. Epoxy Resin: 0% Oil Shale Ash (by weight) - Material 1 Samples 1-3 Epoxy Resin: 10% Oil Shale Ash (by weight) - Material 2 Samples 1-7 Epoxy Resin: 20% Oil Shale Ash (by weight) - Material 3 Samples 1-7 Epoxy Resin: 30% Oil Shale Ash (by weight) - Material 4 Samples 1-7 Epoxy Resin: 40% Oil Shale Ash (by weight) - Material 5 Samples 1-7 Epoxy Resin: 50% Oil Shale Ash (by weight) - Material 6 Samples 1-4 (2025-10-20)

Subject ?

Engineering

Keyword ?

tension, stress, strain, composite material, epoxy resin, oil shale ash

Related Publication ?

Kononova, O.; Krasnikovs, A.; Jafarli, I.; Novakova, I.; Gulik, V.; Vaišnoras, M. Effective Mechanical Properties of a Composite Material Reinforced by Oil Shale Ash Particles. Appl. Sci. 2025, 15, 1281. <https://doi.org/10.3390/app15031281>doi: 10.3390/app15031281

License/Data Use Agreement



CC BY 4.0

Files Metadata Terms Versions

Search this dataset...

Filter by

File Type: All Access: All

Sort

1 to 2 of 2 Files

Download



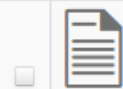
EpoxyResin_OSA_DATA.tab

Tabular Data - 122.7 KB

Published Oct 20, 2025

5 Downloads

4 Variables, 4935 Observations UNF:6:6hOe...vbw== DATA



EpoxyResin_OSA_README.txt

Plain Text - 2.8 KB

Published Oct 20, 2025

4 Downloads




MD5: bbd...2f2

README



- Aprakstošie metadati
- Licences informācija
- Bibliogrāfiskā norāde
- Izmantošanas statistika
- Datu kopas datnes, ieskaitot **ReadMe**
- Versiju informācija
- Paplašināti metadati

Database of measurements for damage detection of steel beam splice connection by Coaxial Correlation Method in 6-D space

Kurtenoks, Viktors¹ ; Buka-Vaivade, Karina¹ ; Serdjuks, Dmitrijs¹ ; Lapkovskis, Vjaceslavs¹ ; Mironovs, Viktors¹ ; Podkoritovs, Andrejs¹ 

Show affiliations

This database includes series of measurements of the structure's response taken in six-dimensional space using two 6D sensors, coaxially positioned on either side of the investigated splice connection between two steel beams. The data set consists of two parts. The first part of the data set is measurements for six different specimens with wave type impact – short sweep signal with duration 0.05 s. The second part is the measurements during splice connection degradation of one of the specimens with short impulse. The degradation of a connection is presented by four different states of joints. In the "Read_me_first.pdf" is described the experiment, the format of .csv files names and files' structure.

Used materials, methods and results for the second part of the data set is described in Buka-Vaivade, K.; Kurtenoks, V.; Serdjuks, D. Non-Destructive Damage Detection of Structural Joint by Coaxial Correlation Method in 6D Space. *Buildings* 2023, 13, 1151. <https://doi.org/10.3390/buildings13051151>

Files


PULSE_S4_12.csv

0.000000	0.000	0.000	16471.298	135.226	-2060.423	272.294	-16.976	225.828	16623.237	330.521	-310.641	-260.614	-88.623
0.000125	0.000	0.000	16488.246	115.203	-2080.341	290.171	26.552	99.879	16647.069	314.674	-347.706	-240.756	-17.192
0.000250	0.000	0.000	16530.415	136.496	-2111.727	348.692	-84.137	37.937	16654.537	314.950	-373.182	-248.467	-3.893
0.000375	0.000	0.000	16517.942	135.091	-2102.825	286.685	34.951	122.994	16621.987	286.362	-389.359	-279.020	-90.630
0.000500	0.000	0.000	16502.966	145.073	-2024.266	309.523	-51.513	49.193	16589.801	286.367	-363.652	-258.593	-19.250
0.000625	0.000	0.000	16512.262	153.265	-2001.344	341.684	-37.085	132.667	16638.528	244.039	-375.097	-216.192	15.084
0.000750	0.000	0.000	16557.344	162.465	-2057.554	297.246	41.484	67.707	16662.110	246.177	-367.591	-240.201	-157.455
0.000875	0.000	0.000	16559.437	156.968	-2087.069	332.709	-56.491	192.137	16714.250	244.178	-351.284	-286.474	62.789
0.001000	0.000	0.000	16554.792	168.043	-2080.436	335.096	-41.004	-8.855	16715.965	235.993	-361.172	-235.828	-2.279
0.001125	0.000	0.000	16537.541	180.822	-2051.559	300.691	-2.985	94.961	16657.889	231.810	-365.948	-256.841	-161.716
0.001250	0.000	0.000	16495.648	191.290	-2017.623	325.392	-40.715	150.913	16630.648	237.087	-352.739	-260.958	48.175
0.001375	0.000	0.000	16492.168	178.861	-2024.434	308.711	17.515	36.702	16651.047	289.486	-365.889	-281.165	-2.844
0.001500	0.000	0.000	16518.933	170.348	-2054.999	323.146	-5.040	155.957	16678.640	289.800	-379.874	-224.785	-113.538
0.001625	0.000	0.000	16527.386	161.066	-2066.115	312.958	-57.690	12.579	16681.992	256.553	-431.830	-257.351	23.560
0.001750	0.000	0.000	16530.098	141.203	-2069.265	307.157	44.574	98.237	16655.930	250.438	-423.747	-297.593	3.561
0.001875	0.000	0.000	16519.674	149.538	-2047.168	287.380	7.498	163.845	16612.667	256.041	-392.740	-248.751	-144.148
0.002000	0.000	0.000	16516.391	157.114	-2087.056	259.339	-61.962	19.956	16626.673	264.637	-389.438	-295.771	41.539
0.002125	0.000	0.000	16524.460	145.950	-2102.741	338.187	35.446	141.484	16630.325	263.335	-307.548	-264.222	-12.801

196

 VIEWS

472

 DOWNLOADS

Show more details

Versions

Version 1.0.0


Nov 7, 2023

10.5281/zenodo.10077332

Cite all versions? You can cite all versions by using the DOI [10.5281/zenodo.10077331](https://doi.org/10.5281/zenodo.10077331). This DOI represents all versions, and will always resolve to the latest one. [Read more.](#)

External resources

Indexed in

 OpenAIRE

Keywords and subjects

non-destructive test moment-resisting joint time domain
convolution vibration test splice connection
dynamic response structural joints coaxial accelerations
structural health monitoring SHM

Details

DOI

DOI [10.5281/zenodo.10077332](https://doi.org/10.5281/zenodo.10077332)

Resource type

Dataset

Publisher

Zenodo

Languages

English

Rights

License

 Creative Commons Attribution 4.0 International

Piemērs: Zenodo

Nosaukums, autori,
apraksts, valoda,
atslēgvārdi (aprakstošie
metadati)

Datu veids – **Dataset**

Piekļuves veids (administratīvie
metadati)

Izmantošanas statistika

Versijas (administratīvie
metadati)

DOI (identifikācijas
metadati)

Publicēšanas platforma

Licence (juridiskie
metadati)



Database of measurements for damage detection of steel beam splice connection by Coaxial Correlation Method in 6-D space

Kurtenoks, Viktors¹ ; Buka-Vaivade, Karina¹ ; Serdjus, Dmitrijs¹ ; Lapkovskis, Vjaceslavs¹ ; Mironovs, Viktors¹ ; Podkoritovs, Andrejs¹

Show affiliations

This database includes series of measurements of the structure's response taken in six-dimensional space using two 6D sensors, coaxially positioned on either side of the investigated splice connection between two steel beams. The data set consists of two parts. The first part of the data set is measurements for six different specimens with wave type impact – short sweep signal with duration 0.05 s. The second part is the measurements during splice connection degradation of one of the specimens with short impulse. The degradation of a connection is presented by four different states of joints. In the "Read_me_first.pdf" is described the experiment, the format of .csv files names and files' structure.

Used materials, methods and results for the second part of the data set is described in Buka-Vaivade, K.; Kurtenoks, V.; Serdjus, D. Non-Destructive Damage Detection of Structural Joint by Coaxial Correlation Method in 6D Space. *Buildings* 2023, 13, 1151. <https://doi.org/10.3390/buildings13051151>

Files

PULSE_S4_12.csv

0.000000	0.000	0.000	16471.298	135.226	-2060.423	272.294	-16.976	225.828	16623.237	330.521	-310.641	-260.614	-88.623
0.000125	0.000	0.000	16488.246	115.203	-2080.341	290.171	26.552	99.879	16647.069	314.674	-347.706	-240.756	-17.192
0.000250	0.000	0.000	16530.415	136.496	-2111.727	348.692	-84.137	37.937	16654.537	314.950	-373.182	-248.467	-3.893
0.000375	0.000	0.000	16517.942	135.091	-2102.825	286.685	34.951	122.994	16621.987	286.362	-389.359	-279.020	-90.630
0.000500	0.000	0.000	16502.966	145.073	-2024.266	309.523	-51.513	49.193	16589.801	286.367	-363.652	-258.593	-19.250
0.000625	0.000	0.000	16512.262	153.265	-2001.344	341.684	-37.085	132.667	16638.528	244.039	-375.097	-216.192	15.084
0.000750	0.000	0.000	16557.344	162.465	-2057.554	297.246	41.484	67.707	16662.110	246.177	-367.591	-240.201	-157.455
0.000875	0.000	0.000	16559.437	156.968	-2087.069	332.709	-56.491	192.137	16714.250	244.178	-351.284	-286.474	62.789
0.001000	0.000	0.000	16554.792	168.043	-2080.436	335.096	-41.004	-8.855	16715.965	235.993	-361.172	-235.828	-2.279
0.001125	0.000	0.000	16537.541	180.822	-2051.559	300.691	-2.985	94.961	16657.889	231.810	-365.948	-256.841	-161.716
0.001250	0.000	0.000	16495.648	191.290	-2017.623	325.392	-40.715	150.913	16630.648	237.087	-352.739	-260.958	48.175
0.001375	0.000	0.000	16492.168	178.861	-2024.434	308.711	17.515	36.702	16651.047	289.486	-365.889	-281.165	-2.844
0.001500	0.000	0.000	16518.933	170.348	-2054.999	323.146	-5.040	155.957	16678.640	289.800	-379.874	-224.785	-113.538
0.001625	0.000	0.000	16527.386	161.066	-2066.115	312.958	-57.690	12.579	16681.992	256.553	-431.830	-257.351	23.560
0.001750	0.000	0.000	16530.098	141.203	-2069.265	307.157	44.574	98.237	16655.930	250.438	-423.747	-297.593	3.561
0.001875	0.000	0.000	16519.674	149.538	-2047.168	287.360	7.498	163.845	16612.667	256.041	-392.740	-248.751	-144.148
0.002000	0.000	0.000	16516.391	157.114	-2087.056	259.339	-61.962	19.956	16626.673	264.637	-389.438	-295.771	41.539
0.002125	0.000	0.000	16524.460	145.950	-2102.741	338.187	35.446	141.484	16630.325	263.335	-307.548	-264.222	-12.801

196
VIEWS

472
DOWNLOADS

Show more details

Versions

Version 1.0.0 Nov 7, 2023
10.5281/zenodo.10077332

Cite all versions? You can cite all versions by using the DOI 10.5281/zenodo.10077331. This DOI represents all versions, and will always resolve to the latest one. [Read more.](#)

External resources

Indexed in



Keywords and subjects

non-destructive test moment-resisting joint time domain
convolution vibration test splice connection
dynamic response structural joints coaxial accelerations
structural health monitoring SHM

Details

DOI

DOI 10.5281/zenodo.10077332

Resource type
Dataset

Publisher
Zenodo

Languages
English

Rights

License

Creative Commons Attribution 4.0 International

Piemērs: Zenodo

0.002250	0.000	0.000	16511.887	175.607	-2130.967	309.222	15.688	26.506	16640.160	260.361	-303.488	-170.796	-67.626
0.000375	0.000	0.000	16400.160	160.707	2135.707	323.080	40.840	88.244	16855.007	244.740	324.045	217.570	44.065

Files (8.8 MB)

Name	Size	Download all
PULSE_S4_12.csv <small>md5:da5e3799243607cb25718c495644124c</small>	623.1 kB	Preview Download
PULSE_S4_16.csv <small>md5:c9e17326001950c8e303161cb8493ab0</small>	593.0 kB	Preview Download
PULSE_S4_4.csv <small>md5:cca1e437b6a283447ba5561e3f072820</small>	619.8 kB	Preview Download
PULSE_S4_8.csv <small>md5:5f9596a43484836e9aa1a0285e687c1</small>	615.1 kB	Preview Download
Read_me_first.pdf <small>md5:096c0c353045b158052a22fbb19d57e9</small>	453.3 kB	Preview Download
SWP_S1_12.csv <small>md5:c16c5cc328799f9073a899d71752475</small>	983.1 kB	Preview Download
SWP_S2_16.csv <small>md5:7426e242e7246914386cbec80b04fae</small>	973.3 kB	Preview Download
SWP_S3_12.csv <small>md5:ec2f1c477829865a443990e1f06a93c3</small>	979.8 kB	Preview Download
SWP_S4_16.csv <small>md5:5694e719d095cae5ca6d7a5c2446680</small>	969.1 kB	Preview Download
SWP_S5_12.csv <small>md5:5498a1e0a2a44555b789aa1033a8104</small>	978.9 kB	Preview Download
SWP_S6_16.csv <small>md5:6a8c432ee224e03215ded5287a18a3bf</small>	962.0 kB	Preview Download

Citation

Kurtenoks, V., Buka-Vaivade, K., Serdjuks, D., Lapkovskis, V., Mironovs, V., & Podkoritovs, A. (2023). Database of measurements for damage detection of steel beam splice connection by Coaxial Correlation Method in 6-D space (1.0.0) [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.10077332>

Style

Export

[Export](#)

Technical metadata

Created November 7, 2023
Modified July 10, 2024

Additional details

Related works **Is metadata for**
Publication: [10.3390/buildings13051151](https://doi.org/10.3390/buildings13051151) (DOI)

Funding **Latvian Council of Science**
Method of Correlation of Coaxial Accelerations in 6D Space for Quality Assessment of Structural Joints (COACCEL) [Nr. lzp-2020/1-0240](#)

Dates **Available**
2023-11-07

References

- Kurtenoks, V.; Kurajevs, A.; Buka-Vaivade, K.; Serdjuks, D.; Lapkovskis, V.; Mironovs, V.; Podkoritovs, A.; Vlnitis, M. The Quality Assessment of Timber Structural Joints Using the Coaxial Correlation Method. *Buildings* 2023, 13, 1929. <https://doi.org/10.3390/buildings13081929>
- Buka-Vaivade, K.; Kurtenoks, V.; Serdjuks, D. Non-Destructive Damage Detection of Structural Joint by Coaxial Correlation Method in 6D Space. *Buildings* 2023, 13, 1151. <https://doi.org/10.3390/buildings13051151>

Piemērs: Zenodo

 Datu kopas datnes,
ieskaitot **ReadMe**

 Saistīta publikācija (aprakstošie
metadati)

 Finansētāja informācija
(administratīvie metadati)

 Bibliogrāfiskā norāde

 Metadatu eksporta
iespējas

0.002250	0.000	0.000	18511.887	175.607	-2130.967	309.222	15.688	28.508	16640.160	260.361	-303.488	-170.796	-67.628
0.002275	0.000	0.000	18400.168	180.707	-2125.707	310.080	10.840	88.244	18855.007	244.740	221.045	217.570	44.005

Files (8.8 MB)

Name	Size	Download all
PULSE_S4_12.csv <small>md5:da5e3799243607cb25718c495644124c</small>	623.1 kB	Preview Download
PULSE_S4_16.csv <small>md5:cbe17326001950c8e303161cb8493abd</small>	593.0 kB	Preview Download
PULSE_S4_4.csv <small>md5:cca1e437b6a283447ba5561e3f072820</small>	619.8 kB	Preview Download
PULSE_S4_8.csv <small>md5:5f5956a4348436e9aa1a0285e87c1</small>	615.1 kB	Preview Download
Read_me_first.pdf <small>md5:096c0c353045b158052a22f0b19d57e9</small>	453.3 kB	Preview Download
SWP_S1_12.csv <small>md5:c16c5cc328799f9073a899d71752475</small>	983.1 kB	Preview Download
SWP_S2_16.csv <small>md5:7426e242e7246914386bec80b04faee</small>	973.3 kB	Preview Download
SWP_S3_12.csv <small>md5:ec2f1c477829865e443990e1f056a93c3</small>	979.8 kB	Preview Download
SWP_S4_16.csv <small>md5:5694a719d095cae5ca6d7a5c2446580</small>	969.1 kB	Preview Download
SWP_S5_12.csv <small>md5:5498a1e0a2a44555b789aa1033a8104</small>	978.9 kB	Preview Download
SWP_S6_16.csv <small>md5:6a8c432ea224e03215ded287a18a3bf5</small>	962.0 kB	Preview Download

Additional details

Related works Is metadata for
Publication: [10.3390/buildings13051151](https://doi.org/10.3390/buildings13051151) (DOI)

Funding Latvian Council of Science
Method of Correlation of Coaxial Accelerations in 6D Space for Quality Assessment of Structural Joints (COACCEL) [Nr. lzp-2020/1-0240](#)

Dates Available
2023-11-07

References

- Kurtenoks, V.; Kurajevs, A.; Buka-Vaivade, K.; Serdjuks, D.; Lapkovskis, V.; Mironovs, V.; Podkoritovs, A.; Vlnitis, M. The Quality Assessment of Timber Structural Joints Using the Coaxial Correlation Method. *Buildings* 2023, 13, 1929. <https://doi.org/10.3390/buildings13081929>
- Buka-Vaivade, K.; Kurtenoks, V.; Serdjuks, D. Non-Destructive Damage Detection of Structural Joint by Coaxial Correlation Method in 6D Space. *Buildings* 2023, 13, 1151. <https://doi.org/10.3390/buildings13051151>

Citation

Kurtenoks, V., Buka-Vaivade, K., Serdjuks, D., Lapkovskis, V., Mironovs, V., & Podkoritovs, A. (2023). Database of measurements for damage detection of steel beam splice connection by Coaxial Correlation Method in 6-D space (1.0.0) [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.10077332>

Style

Export

[Export](#)

Technical metadata

Created November 7, 2023
Modified July 10, 2024

Datu kopu citēšana

FORCE11 izstrādāja

[Joint Declaration of Data Citation Principles \(2014\)](#)

Pamatelementi:

- Autors(-i)
- Gads
- Nosaukums
- Repozitorijs
- Versija (ja ir)
- Identifikators (parasti DOI)

Biežāk izmantotie citēšanas standarti:

APA

- **Autors, A. (Gads). Datu kopas nosaukums (versija) [Data set]. Repozitorijs. DOI**
- Kononova, O. (2025). *Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash (Version V1)* [dataset]. DataverseLV. <https://doi.org/doi:10.71782/DATA/EXORM9>

Chicago

- **Autors, Vārds. Gads. Datu kopas nosaukums. Versija. Repozitorijs. DOI.**
- Kononova, Olga. 2025. *Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash*. DataverseLV. <https://doi.org/doi:10.71782/DATA/EXORM9>.

Harvard

- **Autors, A. (Gads) Datu kopas nosaukums (versija). Repozitorijs. Pieejams: DOI**
- Kononova, O. (2025) *Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash*. DataverseLV. Available at: <https://doi.org/doi:10.71782/DATA/EXORM9>

Daudzas institūcijas izstrādā savus citēšanas noteikumus, pamatojoties uz kādu no standartiem

Datu kopu citēšana

DataverseLV

DataverseLV > Riga Technical University > Engineering and Technology >

Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash

Version 1.0



Kononova, Olga, 2025, "Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash", <https://doi.org/10.71782/DATA/EXORM9>, DataverseLV, V1, UNF:6:6hOerg0xzSTAzwUYE3dvdw== [fileUNF]

Access Dataset ▾

Contact Owner

Share

Dataset Metrics ⓘ

9 Downloads ⓘ

Cite Dataset ▾ Learn about [Data Citation Standards](#).

Download EndNote XML

Download RIS

Download BibTeX

View Styled Citation

Description ⓘ

This dataset contains the results of tensile testing performed on epoxy resin specimens reinforced with oil shale ash (OSA), which is an industrial by-product explored as a sustainable additive for improving concrete performance and reducing environmental impact. The tests were conducted to investigate the effect of OSA addition on the stress-strain behavior of the composite.

Styled Citation

Select a CSL style

apa

Citation in "apa" style

Kononova, O. (2025). *Tensile Test of Epoxy Resin Reinforced with Oil Shale Ash (Version V1)* [dataset]. DataverseLV. <https://doi.org/doi:10.71782/DATA/EXORM9>

Close

Zenodo

Citation

Lonska, J., Litavniece, L., Zvaigzne, A., Deksnē, J., Silicka, I., & Kotane, I. (2026). Filtered Plate Waste Measurement Data from Latvian Schools (Rezekne, Grades 1–7), September 2023. (Version 1) [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.18441415>

Style

APA

APA

Harvard

MLA

Vancouver

Chicago

IEEE

Export

JSON

Export

Technical

Paldies par uzmanību!

Materiāls izstrādāts projekta “Atbalsts atvērtās zinātnes ieviešanai praksē, kā arī izveidoti risinājumi zinātnes datu koplietošanai un dalībai ES atvērtajā zinātnes mākonī” ietvaros (ANM projekta Nr. 2.1.3.1.i) ar Eiropas Savienības Atvērto zinātnes fonda un Latvijas valsts finansiālo atbalstu



Finansē
Eiropas Savienība
NextGenerationEU



Nacionālais
attīstības plāns



Latvijas
Biozinātņu un tehnoloģiju
universitāte



RĪGAS TEHNISKĀ
UNIVERSITĀTE



LATVIJAS
UNIVERSITĀTE

RSU



VPC